HEALTH RISK ASSESSMENT

CHINO GATEWAY TERMINAL PROJECT

CHINO, CALIFORNIA

LSA

April 2025

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CHINO, CALIFORNIA

Submitted to:

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Project No. 20241860

April 2025

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LIST OF ABBREVIATIONS AND ACRONYMS

AB	Assembly Bill
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
Basin	South Coast Air Basin
CalEEMod	California Emissions Estimator Model
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CARB Handbook	*Air Quality and Land Use Handbook*
CEQA	California Environmental Quality Act
DPM	diesel particulate matter
EMFAC2021	California Emissions Factor Model, Version 2021
EPA	United States Environmental Protection Agency
HARP	Hotspots Analysis and Reporting Program (Version 2)
HI	Hazard Index
HRA	Health Risk Assessment
MEI	maximally exposed individual
MICR	maximum individual cancer risk
mph	miles per hour
OEHHA	California Office of Environmental Health Hazard Assessment
PM_{10}	particulate matter less than 10 microns in diameter
project	Chino Gateway Terminal Project
ROG	reactive organic gas
SCAQMD	South Coast Air Quality Management District
sf	square foot/feet
TAC	toxic air contaminant
URF	unit risk factor

INTRODUCTION

LSA prepared this construction and operational health risk assessment (HRA) for the proposed Chino Gateway Terminal Project (project) in Chino, California.

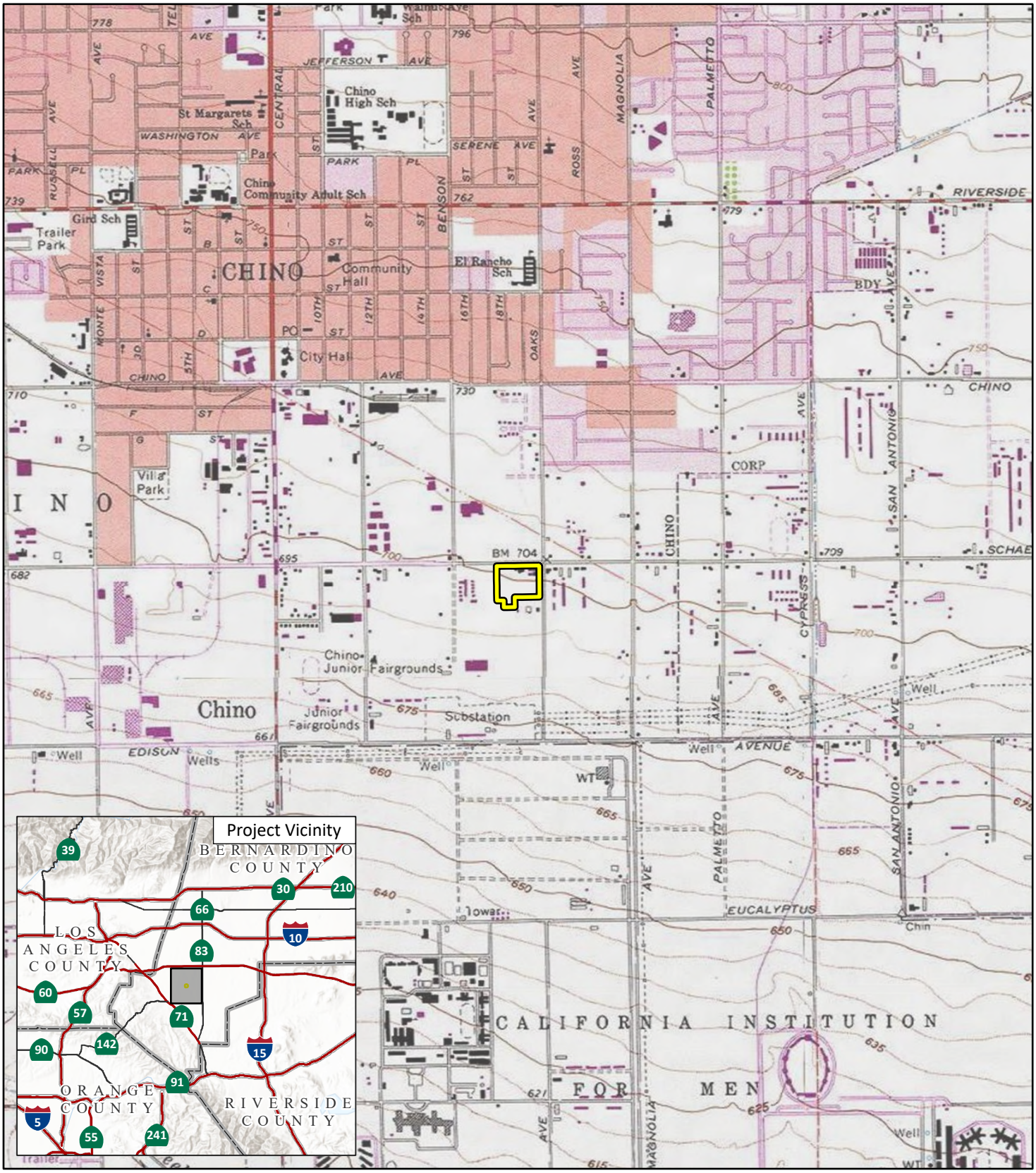
An HRA is a process used to estimate the increased health risk levels for people living and/or working near a project that emits toxic air contaminants (TACs). An HRA combines results of studies on the health effects of various animal and human exposure to TACs with results of studies that estimate the exposure levels at different distances from the source of pollutants. This HRA's purpose is to document the increased cancer and noncancer health risk levels from project-related emissions of TACs on existing nearby sensitive receptors, including residents and/or workers.

The City of Chino recommends the preparation of an HRA in accordance with policies and procedures of the State Office of Environmental Health Hazard Assessment (OEHHA) and the South Coast Air Quality Management District (SCAQMD). This HRA evaluates all these criteria in compliance with applicable requirements.

PROJECT LOCATION AND DESCRIPTION

The 7.35-acre project site is southwest of the Schaefer Avenue and Oaks Avenue intersection in Chino, in western San Bernardino County, California (Assessor's Parcel Numbers 1021-052-04; 1021-052-06; 1021-052-09; and 1021-052-11). The project site is bounded by Schaefer Avenue and residential uses to the north, Oaks Avenue and commercial uses to the east, commercial and industrial uses to the south, and commercial and industrial uses to the west. Access to the project site is provided via three existing driveways along Oaks Avenue and five existing driveways along Schaefer Avenue. Figure 1, Project Location, and Figure 2, Site Plan, depict the location of the project site on a regional and local scale.

The project includes total demolition of three existing buildings and associated ancillary structures located on the project site, totaling 17,716 square feet. The project includes one 158,548 square-foot tilt-up warehouse building (150,048 square feet of warehouse space, 3,500 square feet of office space and 5,000 square feet of mezzanine). The project also includes a separate 3,520 square-foot detached multi-tenant restaurant/office building at the northeast corner of the project site that would facilitate four restaurants and 3,600 square feet of outdoor seating. The project would include a total of 33,733 square feet of landscaping throughout the project site. The project also includes development of 128 passenger vehicle parking spaces, 10 truck parking spaces, 20 loading docks and 1 ground-level roll-up door.



LSA

FIGURE 1

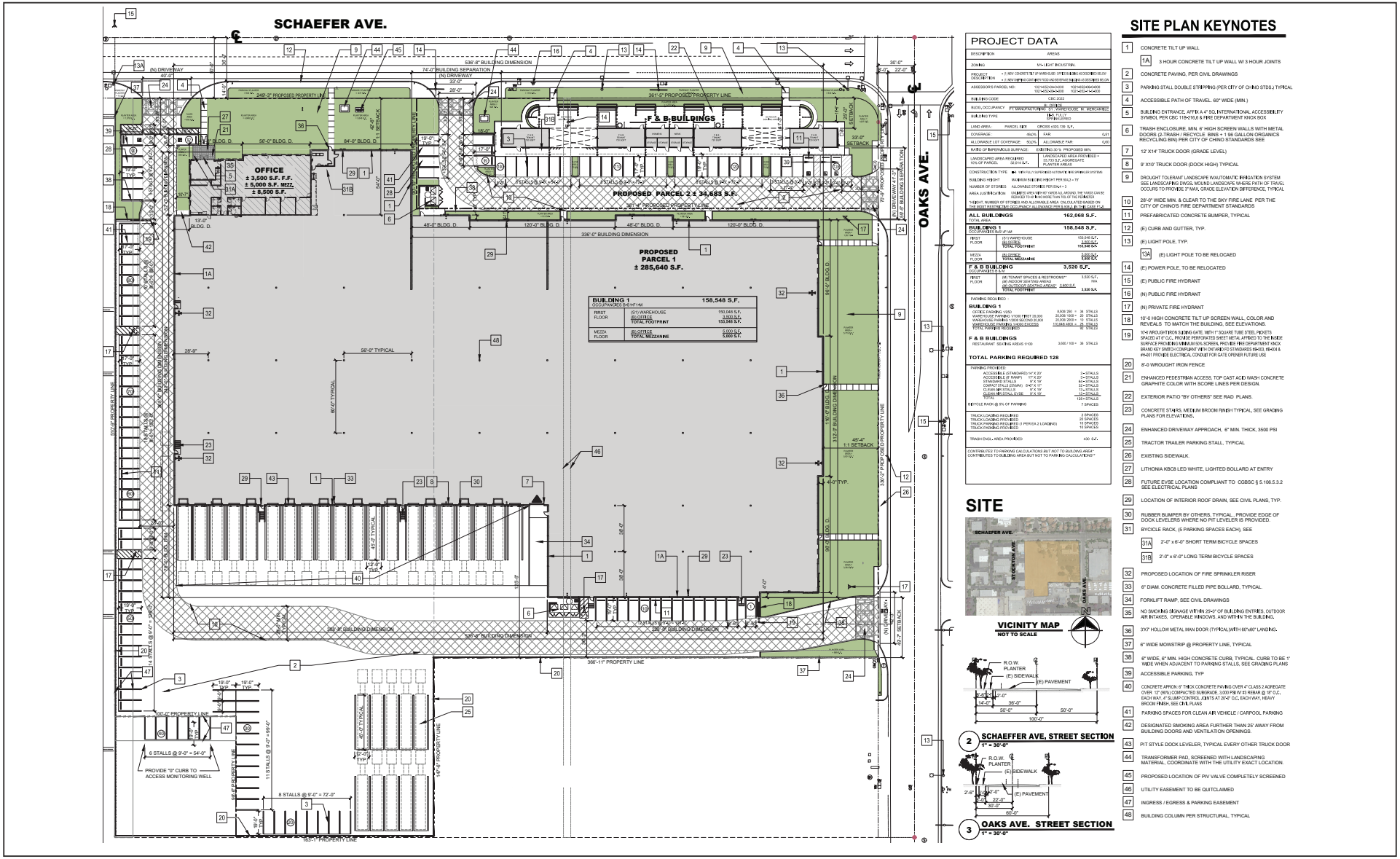
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SOURCE: *Ontario CA* and *Prado Dam CA*, 7.5' Quad (USGS 1981)

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Chino Gateway Terminal Project

Project Location



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FIGURE 2

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SOURCE: OC Design & Engineering

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Chino Gateway Terminal Project

Proposed Conceptual Site Plan

Although the proposed industrial and commercial uses are speculative, the warehouse building would not include cold storage during operation.

The proposed project is anticipated to generate up to 72 employees, with approximately 18 employees generated by the restaurant uses and 54 employees generated by the warehousing uses. The hours of operation for the proposed facilities include 8:00 a.m. to 10:00 p.m. 7 days per week for the restaurant tenants; 24 hours per day and 7 days per week for the industrial tenant; and 7:00 a.m. to 7:00 p.m. Monday through Friday for the office tenants. Once operational, the proposed warehouse building would generate 187 passenger car trips, 18 two-axle truck trips, 15 three-axle truck trips, and 51 four-axle truck trips; the fast-food restaurant would generate 195 trips.[1]

Construction of the proposed project is anticipated to take place over a period of 14 months, beginning October of 2025 and ending in 2026. Construction activities include demolition of three existing buildings and associated ancillary structures (totaling 17,716 square feet). This analysis assumes that the proposed project would comply with SCAQMD Rule 403 measures. Construction equipment would utilize Tier 2 with Level 3 diesel particulate filters (DPF). Construction equipment anticipated to be used includes bulldozers, loaders/backhoes, scrapers, cranes, forklifts, rollers, concrete pumps, and paving equipment. In addition, the proposed project would result in 112 cubic yards of soil exportation.

EXISTING LAND USES IN THE PROJECT AREA

For the purposes of this analysis, sensitive receptors are areas of the population that have an increased sensitivity to air pollution or environmental contaminants. Sensitive receptor locations include residences, schools, daycare centers, hospitals, parks, and similar uses that are sensitive to air quality. Impacts on sensitive receptors are of particular concern because those receptors contain segments of the population most vulnerable to the effects of air pollution. The areas adjacent to the project site include the following uses:

- **North:** Schaefer Avenue and existing residential uses
- **East:** Oaks Avenue and existing industrial uses
- **South:** Existing commercial and industrial uses
- **West:** Existing commercial and industrial uses

The nearest sensitive receptors are:

- **North:** single-family residences across Schaefer Avenue approximately 90 feet north of the northern edge of the project site

[1] LSA. 2025. Traffic Impact Analysis for the Chino Gateway Terminal Project (LSA Project No. 20241860). April.

BACKGROUND

This section provides a discussion of regulatory guidance from the California Air Resources Board (CARB), the OEHHA, the California Air Pollution Control Officers Association (CAPCOA), and the SCAQMD.

CALIFORNIA AIR RESOURCES BOARD HANDBOOK AND TECHNICAL ADVISORY

CARB has developed an *Air Quality and Land Use Handbook* (CARB Handbook)[2] and a supplement, *Strategies to Reduce Air Pollution Exposure Near High-Volume Roadways: Technical Advisory*[3], which are intended to serve as general reference guides for evaluating and reducing air pollution impacts associated with new projects that are part of the land use decision-making process. According to the CARB Handbook, recent air pollution studies have shown an association between both respiratory and other noncancer health effects and proximity to high-traffic roadways and other land uses associated with high volume truck traffic. Other studies have shown that diesel exhaust and other cancer-causing chemicals emitted from cars and trucks are responsible for much of the overall cancer risk from airborne toxics in California. The CARB Handbook recommends that planning agencies recognize that the configuration of warehouse and distribution centers can reduce population exposure and risk. For example, locating the main entry and exit points away from sensitive land uses helps to reduce cancer risks and other health impacts.

Land uses that can produce air pollution sources of concern include freeways, rail yards, ports, refineries, distribution centers, chrome plating facilities, dry cleaners, and large gasoline service stations. Key recommendations in the CARB Handbook include taking steps to avoid siting new, sensitive land uses:

- Within 500 feet of a freeway, urban roads with 100,000 vehicles/day or rural roads with 50,000 vehicles/day;
- Within 1,000 feet of a major service and maintenance rail yard;
- Immediately downwind of ports (in the most heavily impacted zones) and petroleum refineries;
- Within 300 feet of any dry cleaning operation (for operations with two or more machines, provide 500 feet); and
- Within 300 feet of a large gas station (defined as a facility with a throughput of 3.6 million gallons per year or greater).

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2 California Air Resources Board (CARB). 2005. *Air Quality and Land Use Handbook: A Community Health Perspective*. April. Website: https://www.aqmd.gov/docs/default-source/ceqa/handbook/california-air-resources-board-air-quality-and-land-use-handbook-a-community-health-perspective.pdf (accessed April 2025).

3 CARB. 2017. *Strategies to Reduce Air Pollution Exposure Near High-Volume Roadways: Technical Advisory*. April. Website: www.arb.ca.gov/ch/rd_technical_analysis_fact_sheet.pdf (accessed April 2025).

The CARB Handbook specifically states that its recommendations are advisory and acknowledges land use agencies have to balance other considerations, including housing and transportation needs, economic development priorities, and other quality of life issues.

The recommendations are generalized and do not consider site-specific meteorology, freeway truck percentages, or other factors that influence risk for a particular project site. The purpose of this guidance is to help land use agencies determine when to further examine project sites for actual health risk associated with the location of new sensitive land uses.

OFFICE OF ENVIRONMENTAL HEALTH AND HAZARD ASSESSMENT GUIDELINES

The OEHHA developed the *Air Toxics Hot Spots Program Guidance Manual*[4] in conjunction with the CARB for use in implementing the Air Toxics Hot Spots Program (Health and Safety Code Section 44360). The manual describes health effect values, exposure pathway variates (e.g., breathing rates), and a tiered approach for performing HRAs based on current science and policy assessment. The intent of the guidance manual is to incorporate children's health concerns, update risk assessment practices, and provide consistent risk assessment procedures.

CALIFORNIA AIR POLLUTION CONTROL OFFICERS ASSOCIATION

In 2009, the CAPCOA published guidance[5] on assessing the health risk impacts from and to proposed land use projects, focusing on the acute, chronic, and cancer impacts of sources affected by the California Environmental Quality Act (CEQA). The document recommends procedures to identify when a project should undergo further risk evaluation, procedures for conducting an HRA, guidelines to engage the public, presentation guidelines for results from the HRA, and mitigation measures that may be appropriate for various land use projects.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

The SCAQMD has risk assessment guidelines, *AB 2588 and Rule 1402 Supplemental Guidelines*[6]. These guidelines incorporate the OEHHA guidance and the options to be used when using the CARB's Hotspots Analysis and Reporting Program Version 2 (HARP) program for risk assessment calculations.[7]

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4 California Office of Environmental Health Hazard Assessment (OEHHA). 2015. *Air Toxics Hot Spots Program Guidance Manual*. March. Website: oehha.ca.gov/air/crnr/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-risk-0 (accessed April 2025).

5 California Air Pollution Control Officers Association (CAPCOA). 2009. *Health Risk Assessments for Proposed Land Use Projects*. July. Website: https://ww2.valleyair.org/media/glsdzpx3/capcoa_hra_lu_guidelines_8-6-09.pdf (accessed April 2025).

6 South Coast Air Quality Management District (SCAQMD). 2018. *AB 2588 and Rule 1402 Supplemental Guidelines*. July. Website: www.aqmd.gov/docs/default-source/planning/risk-assessment/ab2588 supplementalguidelines.pdf (accessed April 2025).

7 CARB. n.d. Hot Spots Analysis & Reporting Program. Website: www.arb.ca.gov/toxics/harp/harp.htm (accessed April 2025).

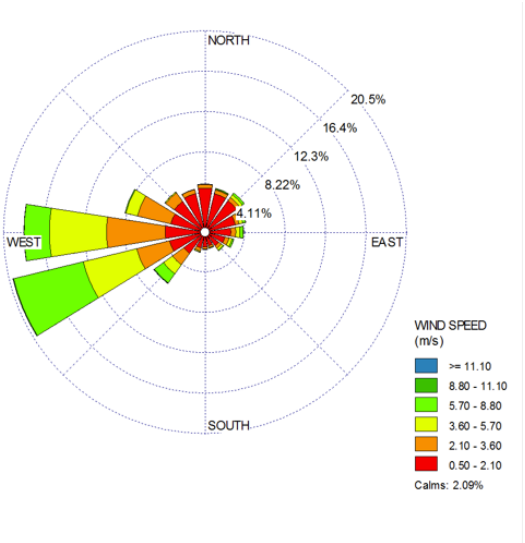
SETTING

REGIONAL AIR QUALITY

The project site is in Chino, California, which is part of the South Coast Air Basin (Basin) and is under the jurisdiction of the SCAQMD.

Climate/Meteorology

Air quality in the planning area is not only affected by various emission sources (e.g., mobile and industry), but also by atmospheric conditions (e.g., wind speed, wind direction, temperature, and rainfall). The nearest representative meteorological station that provides the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) ready meteorological data is the Chino Airport Station. Figure 3, Project Area Wind Patterns, shows the windrose[8] from data measured at this station and the wind patterns for the project area.



Source: SCAQMD Meteorological Data for AERMOD. Website: www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod (accessed January 2025).

Figure 3: Project Area Wind Patterns

Toxic Air Contaminants

The public's exposure to TACs is a significant environmental health issue in the State of California. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health. The Health and Safety Code defines a TAC as "an air pollutant which may cause or contribute to an increase in mortality or in

[8] A windrose provides a succinct view of how wind speed and direction are typically distributed at a particular location. Presented in a circular format, the windrose shows the frequency of winds blowing from particular directions.

serious illness, or which may pose a present or potential hazard to human health." A substance that is listed as a hazardous air pollutant pursuant to subsection (b) of Section 112 of the Federal Act (42 United States Code Section 7412) is a TAC. Under State law, the California Environmental Protection Agency, acting through CARB, is authorized to identify a substance as a TAC if it determines the substance is an air pollutant that may cause or contribute to an increase in mortality or an increase in serious illness, or that may pose a present or potential hazard to human health.

California regulates TACs primarily through Assembly Bill (AB) 1807 (Tanner Air Toxics Act), AB 2588 (Air Toxics "Hot Spot" Information and Assessment Act of 1987), and Senate Bill 25, the Children's Environmental Health Protection Act. The Tanner Air Toxics Act sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an "airborne toxics control measure" for sources that emit designated TACs. If there is a safe threshold for a substance at which there is no toxic effect, the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology to minimize emissions.

Air toxics from stationary sources are also regulated in California under AB 2588. Under AB 2588, TAC emissions from individual facilities are quantified and prioritized by the designated air quality management district or air pollution control district. High-priority facilities are required to perform an HRA and, if specific thresholds are exceeded, are required to communicate the results to the public in the form of notices and public meetings.

To date, CARB has designated nearly 200 compounds as TACs. Additionally, CARB has implemented control measures for a number of compounds that pose high risks and show potential for effective control. The majority of the estimated health risks from TACs can be attributed to relatively few compounds, the most important being particulate matter from diesel-fueled engines (diesel particulate matter or DPM).

THRESHOLDS OF SIGNIFICANCE

Both the State and federal governments have established health-based ambient air quality standards for seven air pollutants. For other air pollutants without defined significance standards, the definition of substantial pollutant concentrations varies. For TACs, "substantial" is taken to mean that the individual health risk exceeds a threshold considered to be a prudent risk management level.

The following limits for maximum individual cancer risk (MICR) and noncancer acute and chronic Hazard Index (HI) from project emissions of TACs are considered appropriate for use in determining the health risk for projects in the Basin:

- **MICR:** MICR is the estimated probability of a maximally exposed individual (MEI) contracting cancer as a result of exposure to TACs over a period of 30 years for adults and 9 years for children in residential locations and over a period of 25 years for workers. The MICR calculations include multipathway consideration, when applicable.

  The cumulative increase in MICR that is the sum of the calculated MICR values for all TACs would be considered significant if it would result in an increased MICR greater than 10 in 1 million (1×10^{-5}) at any receptor location.

- **Chronic HI:** Chronic HI is the ratio of the estimated long-term level of exposure to a TAC for a potential MEI to its chronic reference exposure level. The chronic HI calculations include multipathway consideration, when applicable.

  The project would be considered significant if the cumulative increase in total chronic HI for any target organ system would exceed 1.0 at any receptor location.

- **Acute HI:** Acute HI is the ratio of the estimated maximum 1-hour concentration of a TAC for a potential MEI to its acute reference exposure level.

  The project would be considered significant if the cumulative increase in total acute HI for any target organ system would exceed 1.0 at any receptor location.

The SCAQMD *CEQA Air Quality Handbook*[9] states that emissions of TACs are considered significant if an HRA shows an increased risk of greater than 10 in 1 million. Based on guidance from SCAQMD in the document *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*[10], for the purposes of this analysis, the threshold of 10 in 1 million was used as the cancer risk threshold for the proposed project.

9 SCAQMD. 1993. *CEQA Air Quality Handbook* (currently under revision).

10 SCAQMD. 2003. *Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis*. August.

METHODOLOGY

The following describes the methodology used to estimate health risk impacts.

CONSTRUCTION HEALTH RISK ASSESSMENT

General Information

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. To estimate the potential cancer risk associated with construction of the proposed project from equipment exhaust (including DPM), a dispersion model was used to translate an emission rate from the source location to a concentration at the receptor location of interest (i.e., a nearby residence and worksites). Dispersion modeling varies from a simpler, more conservative screening-level analysis to a more complex and refined detailed analysis. This refined assessment was conducted using the CARB exposure methodology with the air dispersion modeling performed using the United States Environmental Protection Agency's (EPA) AERMOD air dispersion model. The model provides a detailed estimate of exhaust concentrations based on site and source geometry, source emission strength, distance from the source to the receptor, and meteorological data.

Emission Sources

The California Emissions Estimator Model version 2022.1 (CalEEMod) computer program was used to calculate emissions from on-site construction equipment and emissions from worker and vehicle trips to the site, which were included in AERMOD. This analysis assumes that construction of the proposed project is anticipated to take place over a period of 14 months, beginning October of 2025 and ending in 2026, which was included in CalEEMod. Construction activities include demolition of three existing buildings and associated ancillary structures (totaling 17,716 square feet), which was included in CalEEMod. Construction equipment anticipated to be used includes bulldozers, loaders/backhoes, scrapers, cranes, forklifts, rollers, concrete pumps, and paving equipment. In addition, the proposed project would result in 112 cubic yards of soil exportation, which was also included in CalEEMod. This analysis also assumes the use of Tier 2 with Level 3 DPF construction equipment and that the proposed project would comply with SCAQMD dust control regulations. All other construction details are not yet known; therefore, default assumptions (e.g., construction worker and truck trips and fleet activities) from CalEEMod were used.

OPERATIONAL HEALTH RISK ASSESSMENT

General Information

To determine the potential health risk to people living and working near the proposed project associated with the exhaust of diesel-powered trucks and equipment, an operational HRA was conducted for the proposed project.

For the purposes of an HRA, emissions are analyzed for acute health impacts, chronic, and carcinogenic health impacts. A multipathway assessment has been conducted to evaluate the project's emissions during construction and operation following the modeling techniques

recommended in the OEHHA *Air Toxic Hot Spots Program Risk Assessment Guidelines*.[11] The analysis herein has been conducted in accordance with SCAQMD requirements for HRAs.

This HRA has been conducted using three models: (1) the CARB's California Emissions Factor Model, Version 2021 (EMFAC2021) for vehicle emissions factors and percentages of fuel type within the overall vehicle fleet; (2) the EPA AERMOD dispersion model to determine how the TACs would move through the atmosphere after release from sources both on site and along the truck routes; and (3) the CARB's HARP model to translate the pollutant concentrations from AERMOD into individual health risks at the nearby sensitive receptor locations.

The OEHHA has determined that long-term exposure to diesel exhaust particulates poses the highest cancer risk of any TAC it has evaluated. Exposure to diesel exhaust can also have immediate health effects. Diesel exhaust can irritate the eyes, nose, throat, and lungs, and it can cause coughs, headaches, lightheadedness, and nausea. In studies with human volunteers, diesel exhaust particles (also known as DPM) made people with allergies more susceptible to the materials to which they are allergic, such as dust and pollen. Exposure to DPM also causes inflammation in the lungs, which may aggravate chronic respiratory symptoms and increase the frequency or intensity of asthma attacks. For risk assessment procedures, the OEHHA specifies that the surrogate for whole diesel exhaust is DPM. The HRA analyses used particulate matter less than 10 microns in diameter (PM_{10}) emissions to represent DPM emissions, consistent with OEHHA guidance.

The conservative nature of this analysis is due primarily to the following three factors:

- The CARB-adopted diesel exhaust unit risk factor (URF) of 300 in 1 million per microgram per cubic meter is based on the upper 95th percentile of estimated risk for each of the epidemiological studies used to develop the URF. Therefore, the risk factor is already representative of the conservative risk DPM poses.

- The risk estimates assume sensitive residence receptors would be subject to DPM for 24 hours per day, 350 days per year and worker receptors for 8 hours per day, 350 days per year. As a conservative measure, SCAQMD does not recognize indoor adjustments for residents or workers. However, people typically spend the majority of their time indoors versus remaining outdoors for 24 hours per day, 350 days per year.[12] Therefore, the actual exposure any person would experience would be less than considered in this analysis. This results in much lower actual health risk levels than presented in this analysis.

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11 California Office of Environmental Health Hazard Assessment (OEHHA). 2015. *Air Toxics Hot Spots Program Guidance Manual*. March. Website: oehha.ca.gov/air/crnr/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-risk-0 (accessed April 2025).

12 In May 1991, the CARB Research Division, in association with the University of California, Berkeley, published research findings titled *Activity Patterns of California Residents*. The findings of that study indicate that, on average, adults and adolescents in California spent almost 15 hours per day inside their homes and 6 hours in other indoor locations, for a total of 21 hours (87 percent of the day). About 2 hours per day were spent in transit, and just over 1 hour per day was spent in outdoor locations.

- The exposure to DPM is assumed to be constant for the given period analyzed (i.e., 30 years for the residential receptors and 25 years for the worker receptors). However, emissions from DPM are expected to substantially decrease in the future with the implementation of standard regulatory requirements and technological advancements to reduce DPM. Therefore, the health risk levels from these future trucks would be less than presented in this analysis.

Improvements over the last 40 years to diesel fuel and diesel engines have resulted in lower emissions of some of these TACs.[13] These improvements resulted in a 75 percent reduction in particle emissions from diesel-powered trucks and other equipment in 2010 and an 85 percent reduction in 2020 compared to 2000 levels.[14] These improvements are anticipated to continue into the foreseeable future. Electric trucks are also being phased in and, once in use, would eliminate the emissions of DPM associated with truck travel.

Emission Sources

The first step of an HRA is to characterize the project-related emissions of TACs. Based on the project's Traffic Impact Analysis, the proposed warehouse building would generate 187 passenger car trips, 18 two-axle truck trips, 15 three-axle truck trips, and 51 four-axle truck trips and the fast food restaurant would generate 195 trips.[15] It is assumed that the truck trips would travel approximately 40 miles per trip. The trucks would access the site via Schaefer Avenue. The proposed project would provide 20 dock doors; as the project would contain multiple loading docks, off-site queuing of trucks is not anticipated. Although the TAC emissions from gasoline-powered vehicles have a small health effect compared to DPM, this HRA includes all the traffic information described and both gasoline- and diesel-powered vehicle emissions. For the diesel exhaust emissions, it is sufficient to only consider the DPM (PM_{10}) portion of the exhaust; all the TACs for the gasoline exhaust emissions are contained in the reactive organic gas (ROG) emissions. Using speciation data from CARB, the emission rates of the TAC components are derived from the total ROG emissions.

Project trucks would operate in two modes: stationary idling and moving on and off the site. The emissions from trucks while idling result in a much higher concentration of TACs at nearby sensitive receptors compared to the emissions from moving trucks. This is due to the dispersion of emissions that occurs with distance and with travel of the vehicle. For this HRA, the truck travel emissions were modeled as a series of volume sources along the two on-site driveways, along Schaefer Avenue going east and west, and along Oaks Avenue going north and south. LSA assumed vehicles traveling on site would maneuver slowly, averaging approximately 5–15 miles per hour (mph), and that vehicles traveling on roadways would average 5–55 mph. This analysis also assumes that on-site truck idling would take place for approximately 15 minutes.

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13 United States Environmental Protection Agency (EPA). n.d. *Learn About Impacts of Diesel Exhaust and the Diesel Emissions Reduction Act (DERA)*. Website: www.epa.gov/dera/learn-about-impacts-diesel-exhaust-and-diesel-emissions-reduction-act-dera (accessed April 2025).

14 OEHHA. 2001. *Health Effects of Diesel Exhaust*. May 21, 2001. Website: oehha.ca.gov/air/health-effects-diesel-exhaust (accessed April 2025).

15 LSA. 2025. Traffic Impact Analysis for the Chino Gateway Terminal Project (LSA Project No. 20241860). April.

EMFAC2021 was used to determine the emissions factors of idling and operating diesel trucks to determine the total emissions of PM_{10}. Although the TAC of concern from diesel trucks is DPM, EMFAC2021 does not include emission factors for this TAC. DPM is a component of the overall exhaust from the project-related trucks. This HRA conservatively assumes the DPM emissions to be equal to the PM_{10} emissions when actually the DPM is only a portion of the overall PM_{10} in the truck exhaust. Although it is expected that the truck emissions rate will continue to reduce over time, an HRA only allows for a single emission rate to represent the entire 25- or 30-year exposure period. The use of emissions factors for the earliest year the proposed project could start operations (2026) was selected for this HRA to be conservative. For instance, based on operations starting in 2026, using emission factors for a 2030 vehicle fleet (the midpoint of the 9-year exposure period) or using emissions for a 2041 vehicle fleet (the midpoint of the 30-year exposure period) could be used; however, either of these would be less conservative.

American Meteorological Society/Environmental Protection Agency Regulatory Model Dispersion Modeling

To assess the dispersion of emissions associated with the project, air dispersion modeling was performed using AERMOD. The model is approved by the EPA when estimating the air quality impacts associated with point and fugitive sources in simple and complex terrain. The model was used to calculate the annual average pollutant concentrations associated with each emitting source. Inputs for each emitting source were based on the characterizations described above. Details of these inputs are included in Appendix A and B.

For the volume sources used to represent on-road mobile source activity, vertical (sigma z) dispersion parameters were developed as described in the SCAQMD's modeling guidance for trucks. For the truck unloading locations, individual point sources represent the trucks idling at each loading dock. For all the idling sources, the release parameters were set to the SCAQMD default parameters. Receptors were placed at the nearest sensitive receptor locations.

The model requires additional input parameters, including local meteorology. Due to the model's sensitivity to individual parameters (e.g., wind speed, temperature, and direction), the EPA recommends meteorological data used as input into dispersion models be selected on the basis of relative spatial and temporal conditions that exist in the area of concern. As such, 5 years of meteorological data from SCAQMD's Chino Airport Station (the nearest available station) were used to represent local weather conditions and prevailing winds. Figure 3, above, shows the graphical representation of the wind patterns. Receptors were placed at the nearest sensitive receptor locations, as shown in Figure 4, Sensitive Receptor Grid.

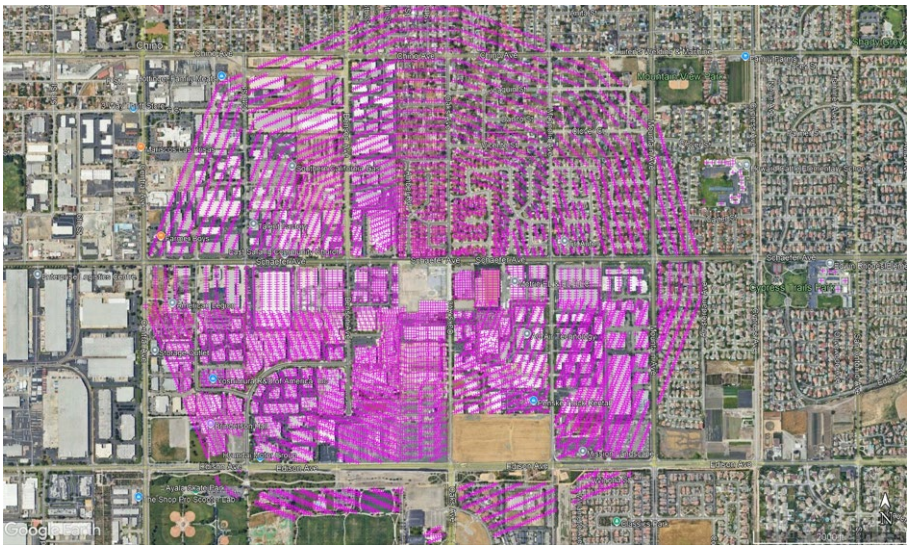


Figure 4: Sensitive Receptor Grid

Hot spots Analysis and Reporting Program Modeling

CARB's HARP2 model is a tool that assists with the programmatic requirements of the Air Toxics "Hot Spots" Program (AB 2588). HARP2 was used to translate the TAC concentrations from AERMOD into long-term carcinogenic and chronic, and short-term acute health risk levels following the guidance in the SCAQMD and OEHHA risk assessment guidelines. These guidelines specify a minimum set of TAC pathways and HARP2 modeling options for the carcinogenic assessment. To estimate chronic noncancer risks at residential receptors, the "RMP-Derived Method" risk-calculation option was used. Following the OEHHA guidance, an 8-hour chronic noncancer risk was calculated for residential receptors because the project would operate more than 8 hours per day and 5 days per week.

The dose-response relationship for a specific pollutant describes the association between exposure and the observed response (health effect). In other words, the relationship estimates how different levels of exposure to a pollutant change the likelihood and severity of health effects. The dose-response relationship (the response occurring with increasing doses) varies with each pollutant, individual sensitivity, and type of health effect. Combining the results of the emission characterization and dispersion modeling described above with the dose-response assessment gives an estimate of the increased health risk for an individual exposed to the maximum predicted long-term concentrations of TACs.

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were default rates as presented in the OEHHA guidance document entitled *Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*[16] and guidance from SCAQMD.

[16] OEHHA. 2015. *Air Toxics Hot Spots Program Guidance Manual*. March. Website: oehha.ca.gov/air/crnr/notice-adoption-air-toxics-hot-spots-program-guidance-manual-preparation-health-risk-0 (accessed April 2025).

HEALTH RISK IMPACTS

The following section describes the potential impacts on sensitive and worker receptors from construction and operation of the proposed project. As identified above, the nearest sensitive receptors in the project vicinity are the single-family residences across Schaefer Avenue approximately 90 feet north of the northern edge of the project site. The nearest worker receptors to the project site are immediately east and south of the project site at approximately 90 feet and 70 feet, respectively. The nearest school is approximately 3,682 feet northeast of the project site. The HRA analysis and results are presented below; data outputs are included in Appendix A and B.

CONSTRUCTION HEALTH RISK ASSESSMENT

A construction HRA, which evaluates construction-period health risk to off-site receptors, was performed for the proposed project. Table A, below, identifies the results of the analysis at the MEI locations. Model snap shots of the sources are included in Appendix A.

Table A: Health Risks from Project Construction to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in 1 Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Residential Receptor Risk	2.12	0.002	0
Worker Receptor Risk	0.09	0.005	0
School Receptor	0.01	<0.001	0
SCAQMD Significance Threshold	**10 in 1 million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: Compiled by LSA (April 2025).
SCAQMD = South Coast Air Quality Management District

As shown in Table A, the maximum cancer risk for the residential MEI would be 2.12 in 1 million, which would not exceed the SCAQMD cancer risk of 10 in one million. The worker MEI would be 0.05 in 1 million and the school MEI would be 0.01 in 1 million, which would not exceed the threshold. The total chronic hazard index would be 0.002 for the residential MEI, 0.004 for the work receptor MEI, and less than 0.001 for the school receptor MEI, which is below the threshold of 1.0. In addition, the total acute hazard index would be nominal (0), which would also not exceed the threshold of 1.0. Therefore, construction of the proposed project would not exceed SCAQMD thresholds and would not expose nearby sensitive receptors to substantial pollutant concentrations. No significant health risk would occur from project construction emissions.

OPERATIONAL HEALTH RISK ASSESSMENT

To determine the potential health risk to people living and working near the proposed project associated with the exhaust of diesel-powered trucks and equipment, an operational HRA was conducted for the proposed project. Table B shows the carcinogenic and chronic health risks from the proposed project. Model details are included in Appendix B.

Table B: Health Risks from Project Operation to Off-Site Receptors

Location	Carcinogenic Inhalation Health Risk in 1 Million	Chronic Inhalation Hazard Index	Acute Inhalation Hazard Index
Residential Receptor Risk	1.96	<0.001	<0.001
Worker Receptor Risk	0.21	<0.001	<0.001
School Receptor	0.02	<0.001	<0.001
SCAQMD Significance Threshold	**10.0 in 1 million**	**1.0**	**1.0**
Significant?	**No**	**No**	**No**

Source: Compiled by LSA (April 2025).
SCAQMD = South Coast Air Quality Management District

The residential risk conservatively incorporates both the risk for a child living in a nearby residence for 9 years (the standard period of time for child risk) and an adult living in a nearby residence for 30 years (considered a conservative period of time for an individual to live in any one residence). An exposure period of 25 years was assumed for worker receptors, and a 9-year exposure duration was conservatively assumed for the school receptors.

As shown in Table C, the maximum cancer risk for the residential MEI would be 1.96 in 1 million, which would not exceed the SCAQMD cancer risk threshold of 10 in 1 million. The worker MEI would be 0.21 in 1 million, and the school receptor risk would be 0.02 in 1 million, which would also not exceed the threshold. The total chronic hazard index would be less than 0.001 for the residential MEI, the school MEI, and the Worker MEI, which is below the threshold of 1.0.. In addition, the total acute hazard index would be less than 0.001, which would also not exceed the threshold of 1.0. As these results show, all health risk levels to nearby receptors from operation-related emissions of TACs would be well below the SCAQMD's HRA thresholds. No significant health risk would occur from project operation emissions.

CONCLUSION

Based on the results of the analysis, construction of the proposed project would not exceed SCAQMD thresholds and would not expose nearby sensitive receptors to substantial pollutant concentrations. All health risk levels to nearby sensitive receptors from operation -related emissions of TACs would also be well below the SCAQMD's HRA thresholds. As such, no significant health risk would occur from project-related emissions. The HARP modeling reports and AERMOD information are included in Appendix A and B.

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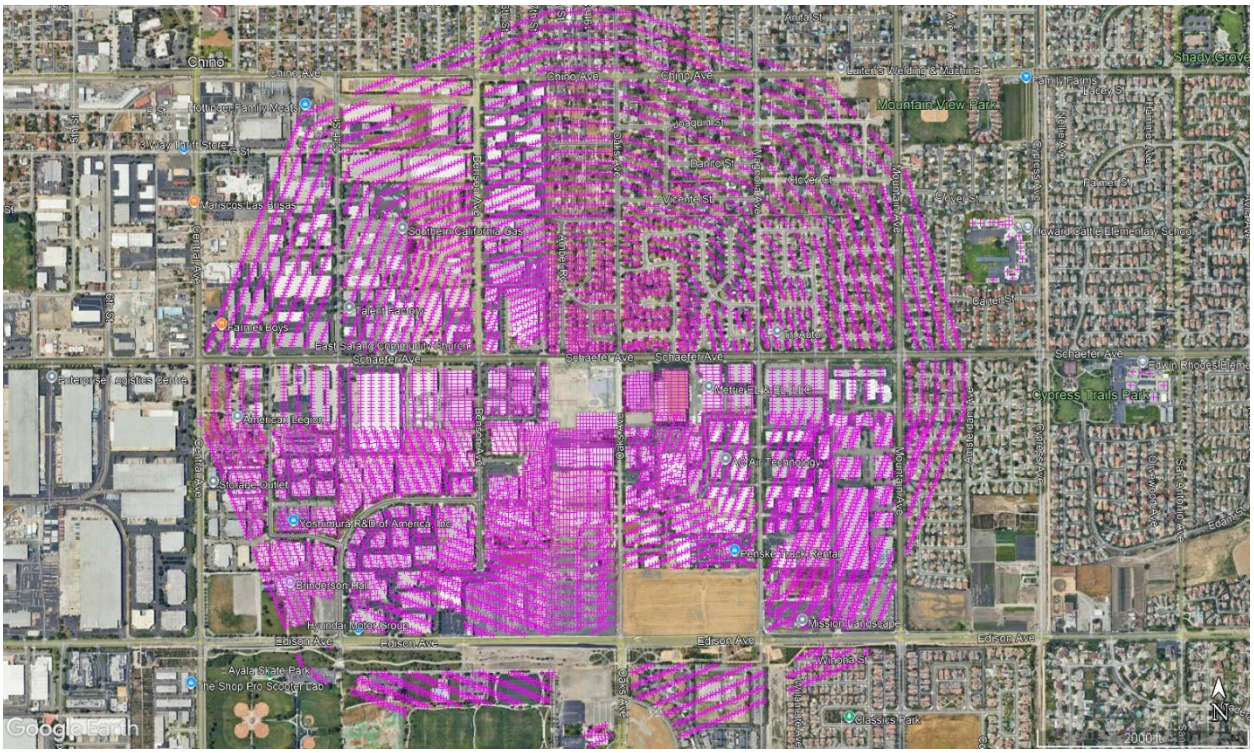
_____. 2018. *AB 2588 and Rule 1402 Supplemental Guidelines*. July. Website: www.aqmd.gov/docs/default-source/planning/risk-assessment/ab2588supplementalguidelines.pdf (accessed April 2025).

United States Environmental Protection Agency (EPA). n.d. *Learn About Impacts of Diesel Exhaust and the Diesel Emissions Reduction Act (DERA)*. Website: www.epa.gov/dera/learn-about-impacts-diesel-exhaust-and-diesel-emissions-reduction-act-dera (accessed April 2025).

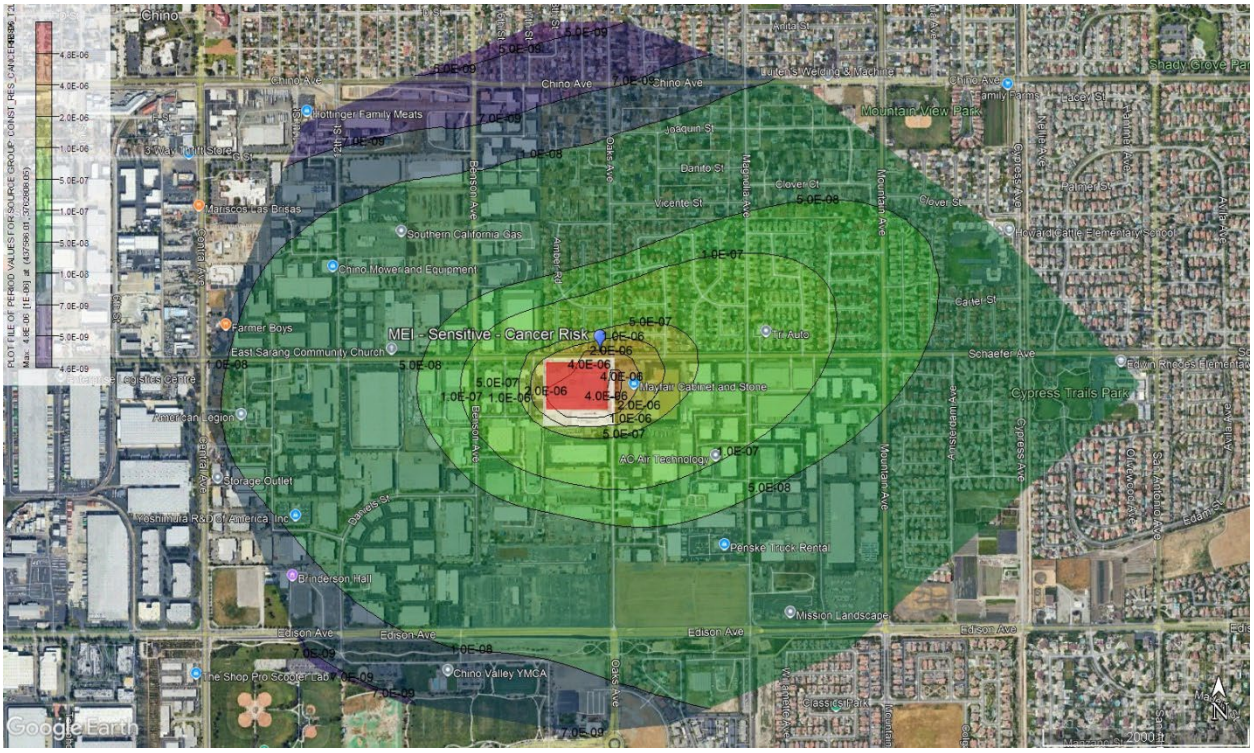
APPENDIX A

CONSTRUCTION HRA MODEL

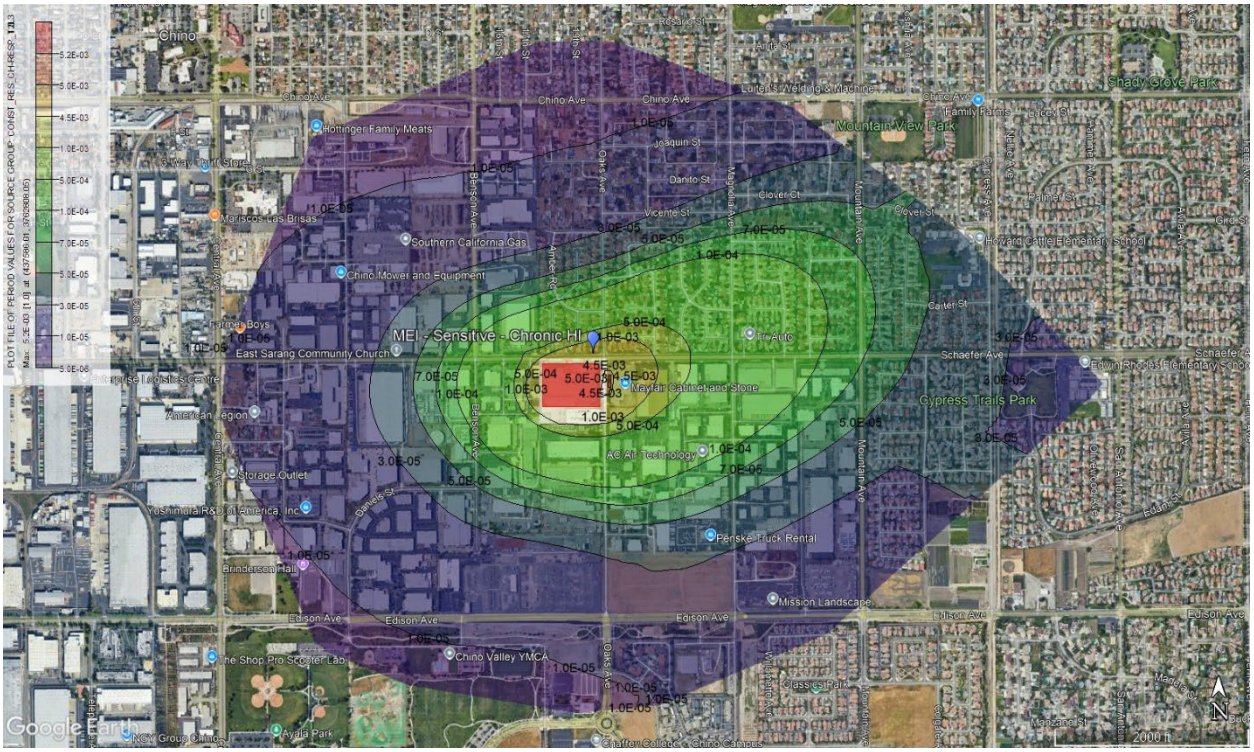
Receptor Grid



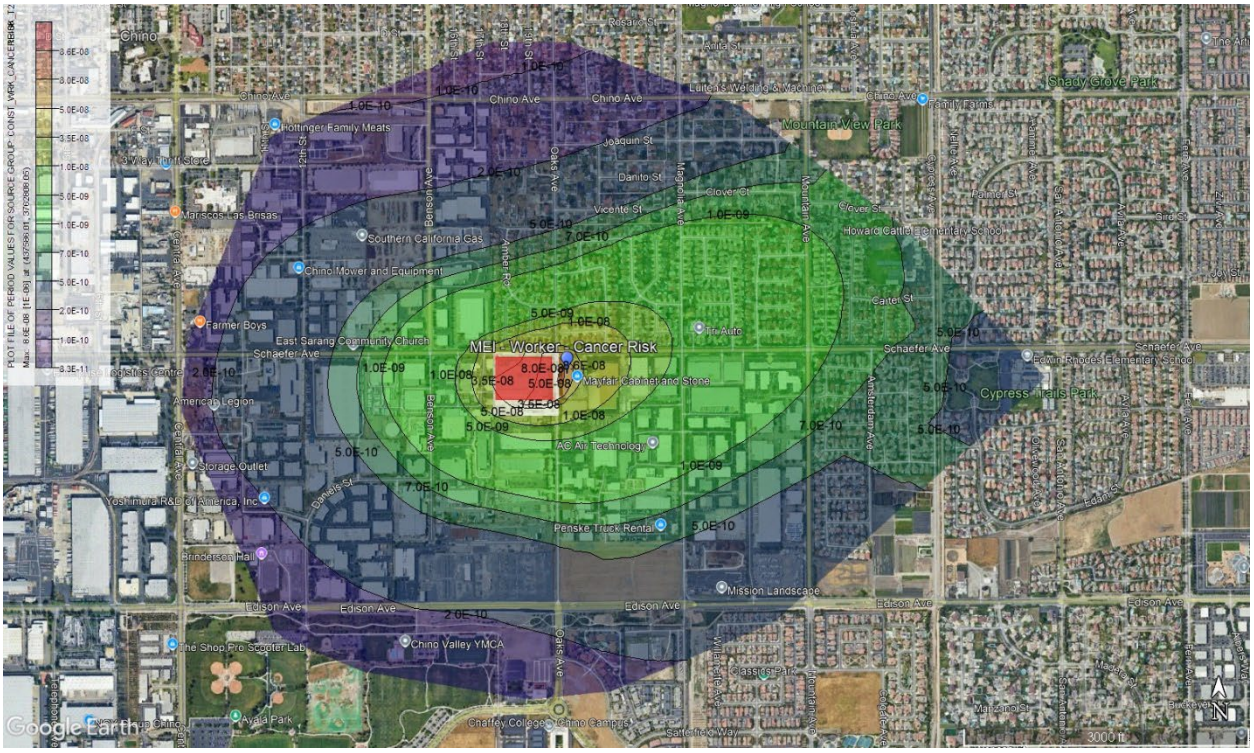
Construction Cancer Risk – Sensitive Receptor



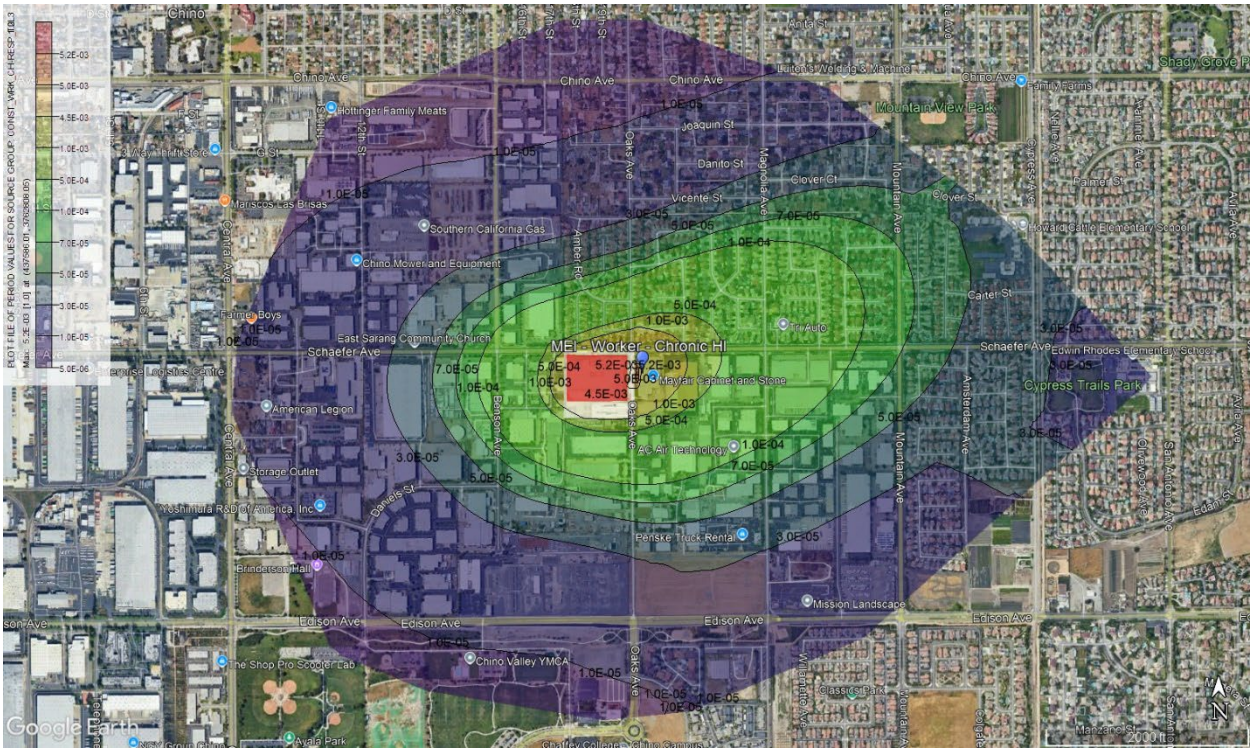
Construction Chronic Health Risk – Sensitive Receptor



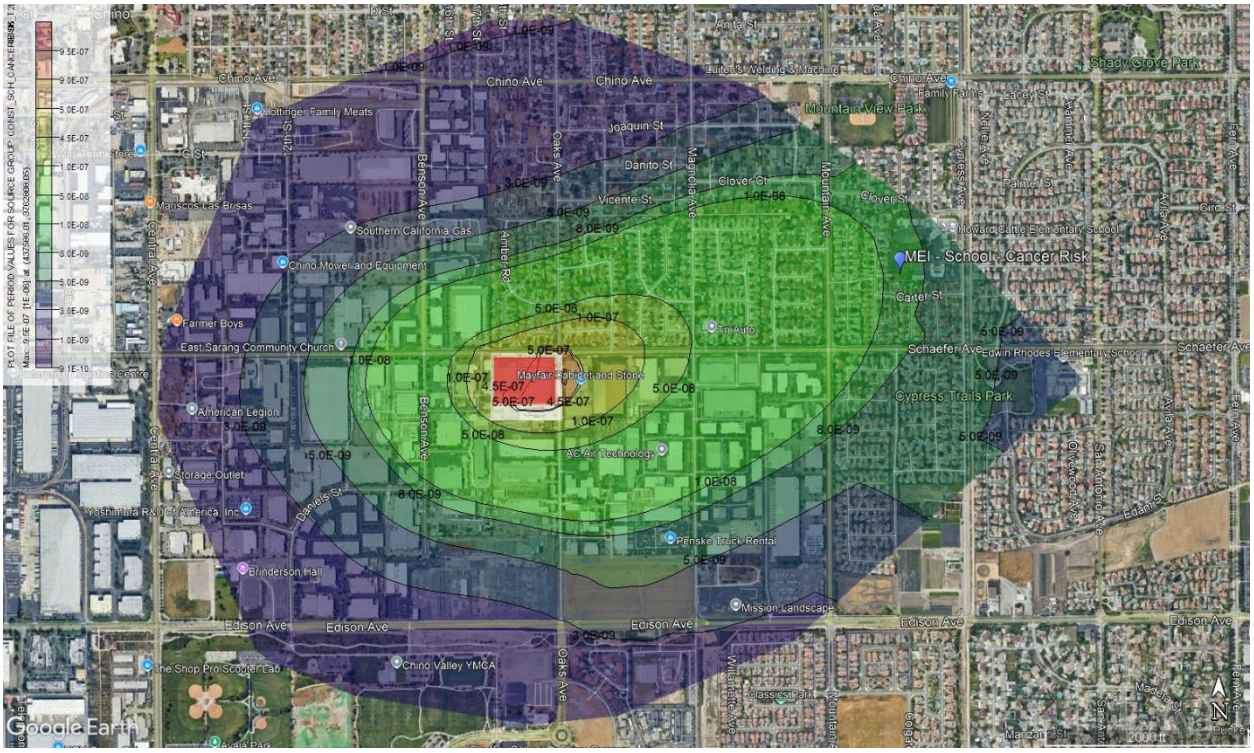
Construction Cancer Risk – Worker Receptor



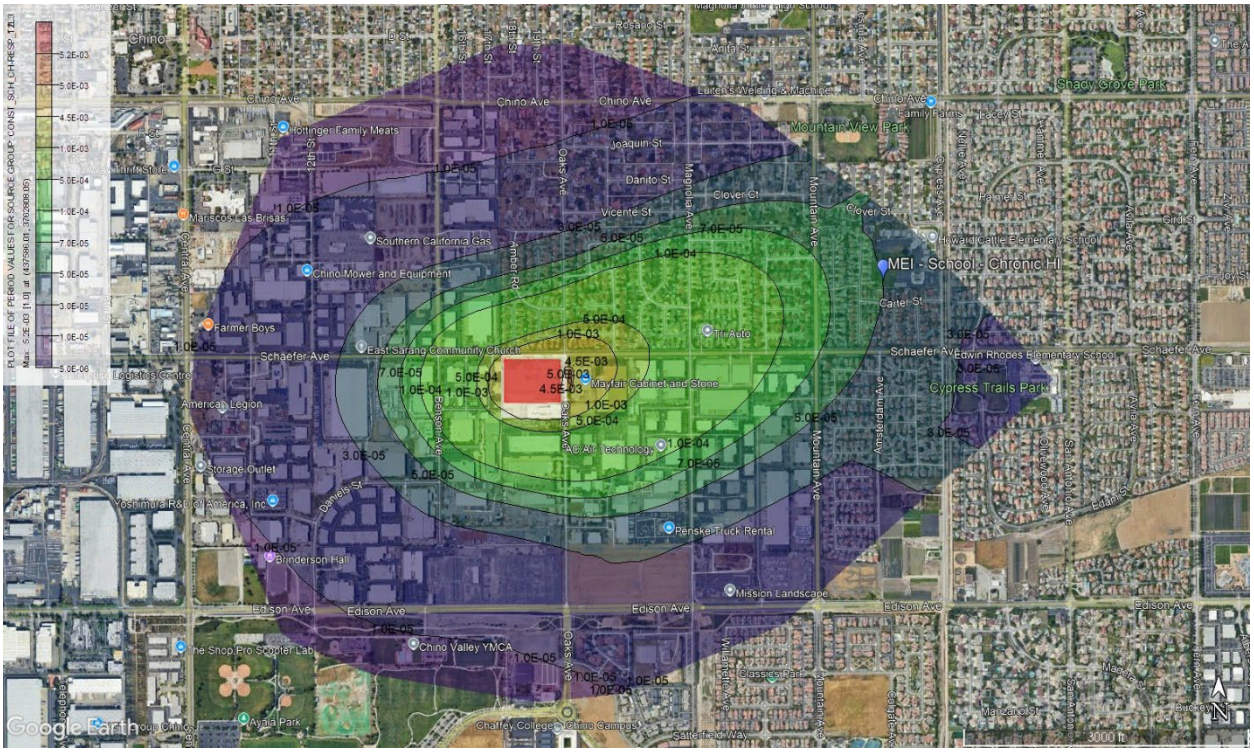
Construction Chronic Health Risk – Worker Receptor



Construction Cancer Risk – School Receptor



Construction Chronic Health Risk – School Receptor



Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 7773 X: 437518.27 Y: 3762893.42			
T2	T2L3	T4f	0
13.12	2.12	1.02	0.00

MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 7773 X: 437518.27 Y: 3762893.42			
T2	T2L3	T4f	0
1.43E-02	2.33E-03	1.08E-03	0.00E+00

MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4f	0
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (Sensitive) - PM 2.5 HARP Rec #: 7773 X: 437518.27 Y: 3762893.42			
T2	T2L3	T4f	0
0.071	0.012	0.005	0.000

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 832 X: 437586.01 Y: 3762808.05			
T2	T2L3	T4f	0
0.53	0.09	0.04	0.00

MEI (Worker) - Chronic Hazard Index HARP Rec #: 832 X: 437586.01 Y: 3762808.05			
T2	T2L3	T4f	0
3.20E-02	5.22E-03	2.42E-03	0.00E+00

MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4f	0
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (Worker) - PM 2.5 HARP Rec #: 832 X: 437586.01 Y: 3762808.05			
T2	T2L3	T4f	0
0.160	0.026	0.012	0.000

Construction MEI (School) - Cancer Risk (in a Million) HARP Rec #: 10400 X: 438571.82 Y: 3763103.62			
T2	T2L3	T4f	0
0.06	0.01	0.00	0.00

MEI (School) - Chronic Hazard Index HARP Rec #: 10400 X: 438571.82 Y: 3763103.62			
T2	T2L3	T4f	0
3.13E-04	5.11E-05	2.37E-05	0.00E+00

MEI (School) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4f	0
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (School) - PM 2.5 HARP Rec #: 10400 X: 438571.82 Y: 3763103.62			
T2	T2L3	T4f	0
0.0016	0.0003	0.0001	0.0000

Operational Sensitive Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
30 Yr Cancer Risk (in a Million)	7764	437431.42 3762893.6	1.96
70 Yr Cancer Risk (in a Million)	0	0 0	0.00
Chronic HI	7765	437441.07 3762893.58	6.69E-04
Acute HI	7761	437373.51 3762893.72	3.02E-05
PM 2.5	7765	437441.07 3762893.58	0.0006

Operational Worker Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
25 Yr Cancer Risk (in a Million)	1881	437452.84 3762709.73	0.21
Chronic HI	1881	437452.84 3762709.73	6.69E-04
Acute HI	1871	437546.75 3762709.72	3.02E-05
PM 2.5	1881	437452.84 3762709.73	3.29E-03

Operational School Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
9 Yr Cancer Risk (in a Million)	10400	438571.82 3763103.62	0.02
Chronic HI	10400	438571.82 3763103.62	6.20E-06
Acute HI	10400	438571.82 3763103.62	1.21E-06
PM 2.5	10400	438571.82 3763103.62	3.05E-05

Description	Receptor Type	Model Type	UTM X	UTM Y	Latitude	Longitude
Construction	Sensitive	Cancer Risk	437518.27	3762893.42	34.00479001	-117.6766232
Construction	Sensitive	Chronic HI	437518.27	3762893.42	34.00479001	-117.6766232
Construction	Sensitive	Acute HI	0	0		
Construction	Sensitive	PM 2.5	437518.27	3762893.42	34.00479001	-117.6766232
Construction	School	Cancer Risk	438571.82	3763103.62	34.00674788	-117.6652297
Construction	School	Chronic HI	438571.82	3763103.62	34.00674788	-117.6652297
Construction	School	Acute HI	0	0		
Construction	School	PM 2.5	438571.82	3763103.62	34.00674788	-117.6652297
Construction	Worker	Cancer Risk	437586.01	3762808.05	34.00402415	-117.6758836
Construction	Worker	Chronic HI	437586.01	3762808.05	34.00402415	-117.6758836
Construction	Worker	Acute HI	0	0		
Construction	Worker	PM 2.5	437586.01	3762808.05	34.00402415	-117.6758836
Operational	Sensitive	Cancer Risk 30 yr	437431.42	3762893.6	34.00478645	-117.6775637
Operational	Sensitive	Cancer Risk 70 yr	0	0		
Operational	Sensitive	Chronic HI	437441.07	3762893.58	34.00478685	-117.6774592
Operational	Sensitive	Acute HI	437373.51	3762893.72	34.00478408	-117.6781908
Operational	Sensitive	PM 2.5	437441.07	3762893.58	34.00478685	-117.6774592
Operational	Worker	Cancer Risk 25 yr	437452.84	3762709.73	34.00312954	-117.6773186
Operational	Worker	Chronic HI	437452.84	3762709.73	34.00312954	-117.6773186
Operational	Worker	Acute HI	437546.75	3762709.72	34.00313504	-117.6763017
Operational	Worker	PM 2.5	437452.84	3762709.73	34.00312954	-117.6773186
Operational	School	Cancer Risk 9 yr	438571.82	3763103.62	34.00674788	-117.6652297
Operational	School	Chronic HI	438571.82	3763103.62	34.00674788	-117.6652297
Operational	School	Acute HI	438571.82	3763103.62	34.00674788	-117.6652297
Operational	School	PM 2.5	438571.82	3763103.62	34.00674788	-117.6652297

General AERMOD Input Parameters

Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**SRTM1**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**10**	**200**
	Grid 2	**20**	**200**
	Grid 3	**30**	**300**
	Grid 4	**40**	**400**
	Comments	**Receptors on roads or parking lot areas have been removed.**	
Meteorological Dataset			
	Location	**Chino Arpt.**	
	Provided By	**South Coast AQMD**	
	Years	**2012 - 2016**	
	Elevation (m)	**198**	
	Link	https://www.aqmd.gov/docs/default-source/air-quality/meterorological-data/aermod-ready-meteorological-data/table-1-meteorological-sites/2017/ChinoAirportADJU.zip?sfvrsn=7	
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Urban**	
	County	**San Bernardino**	
	Urban Grouping / Pop	**Y**	**2,035,210**
	# of Worker Receptors	**10,424**	
	# of Sensitive Receptors		
	# of School Receptors		
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**24045.6**	
	Ht. of Source (m)	**3.048**	
Operational Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period / Hourly**	
	Dispersion Coefficient	**Urban**	
	Urban Grouping / Pop	**Y**	**2,035,210**
	# Worker Receptors	**10,424**	
	# Sensitive Receptors		

	# of School Receptors	
Diesel Truck Idling Parameters		
	Source Type	**Point**
	Stack Ht. (m)	**3.658**
	Stack Dia (m)	**0.044**
	Stack Temp (k)	**388.7**
	Velocity (m/s)	**25**
Diesel Truck Travel Parameters		
	Source Type	**RLine**
	Initial Vertical (m)	**3.05**
	Width (m)	**3.05**
	Release Ht (m)	**Surface**
	Volume Length (m)	**Roadway Segment Specific**

General HARP Input Parameters		
Construction		
School Receptors		
School Scenario Parameters		
	Class Grade	**Elementary**
	Starting Age	**4**
	Age Range	**4 Year Old - 5 Years Old**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Merthod**
	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total esposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
School Pathway Parameters		
	Pathways	**SCAQMD Manadatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 2 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Merthod**
	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total esposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**SCAQMD Manadatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 17**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Merthod**

	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total esposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Worker Pathway Parameters		
	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**
Operational		
School Receptors		
School Scenario Parameters		
	Class Grade	**Elementary**
	Starting Age	**3rd Trimester**
	Age Range	**9 Years**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**9.25**
	Intake Rate	**RMP using the Derived Merthod**
	Comments	
School Pathway Parameters		
	Pathways	**SCAQMD Manadatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 30.25 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**30yr**
	Intake Rate	**RMP using the Derived Merthod**
	Comments	
Sensitive Pathway Parameters		
	Pathways	**SCAQMD Manadatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 41**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**25**
	Intake Rate	**OEHHA Derived Merthod**
	Comments	
Worker Pathway Parameters		

	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**

			T2		7777	T2L3			T4f		
					1.31E-05			2.12E-06			1.02E-06
					3762893.42						
	UTM X	UTM Y	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	437576.96	3762904.14	2.49E-06	7.84E-06	1.03E-05	3.87E-07	1.28E-06	1.67E-06	2.08E-07	5.94E-07	8.02E-07
2	437583.35	3762911.94	2.10E-06	6.62E-06	8.72E-06	3.27E-07	1.08E-06	1.41E-06	1.76E-07	5.02E-07	6.78E-07
3	437619.92	3762959.42	9.44E-07	2.97E-06	3.92E-06	1.47E-07	4.85E-07	6.32E-07	7.90E-08	2.25E-07	3.04E-07
4	437608.32	3762963.83	8.61E-07	2.71E-06	3.57E-06	1.34E-07	4.43E-07	5.77E-07	7.21E-08	2.05E-07	2.77E-07
5	437596.72	3762968.23	7.75E-07	2.44E-06	3.22E-06	1.20E-07	3.99E-07	5.19E-07	6.49E-08	1.85E-07	2.50E-07
6	437585.13	3762972.63	6.92E-07	2.18E-06	2.87E-06	1.08E-07	3.56E-07	4.64E-07	5.79E-08	1.65E-07	2.23E-07
7	437632.01	3762975.29	7.59E-07	2.39E-06	3.15E-06	1.18E-07	3.91E-07	5.09E-07	6.36E-08	1.81E-07	2.45E-07
8	437619.91	3762979.88	6.90E-07	2.17E-06	2.86E-06	1.07E-07	3.55E-07	4.62E-07	5.78E-08	1.65E-07	2.22E-07
9	437607.8	3762984.48	6.20E-07	1.95E-06	2.57E-06	9.64E-08	3.19E-07	4.16E-07	5.19E-08	1.48E-07	2.00E-07
10	437595.69	3762989.07	5.53E-07	1.74E-06	2.30E-06	8.59E-08	2.85E-07	3.71E-07	4.63E-08	1.32E-07	1.78E-07
11	437583.59	3762993.67	4.91E-07	1.55E-06	2.04E-06	7.62E-08	2.52E-07	3.29E-07	4.11E-08	1.17E-07	1.58E-07
12	437644.33	3762991.07	6.21E-07	1.96E-06	2.58E-06	9.65E-08	3.20E-07	4.16E-07	5.20E-08	1.48E-07	2.00E-07
13	437632.38	3762995.6	5.69E-07	1.79E-06	2.36E-06	8.84E-08	2.93E-07	3.81E-07	4.76E-08	1.36E-07	1.83E-07
14	437620.43	3763000.14	5.16E-07	1.62E-06	2.14E-06	8.01E-08	2.65E-07	3.45E-07	4.32E-08	1.23E-07	1.66E-07
15	437608.48	3763004.67	4.64E-07	1.46E-06	1.92E-06	7.20E-08	2.39E-07	3.11E-07	3.88E-08	1.11E-07	1.49E-07
16	437596.53	3763009.21	4.14E-07	1.31E-06	1.72E-06	6.44E-08	2.13E-07	2.78E-07	3.47E-08	9.89E-08	1.34E-07
17	437584.58	3763013.75	3.69E-07	1.16E-06	1.53E-06	5.73E-08	1.90E-07	2.47E-07	3.09E-08	8.80E-08	1.19E-07
18	437656.63	3763006.85	5.20E-07	1.64E-06	2.16E-06	8.08E-08	2.68E-07	3.48E-07	4.35E-08	1.24E-07	1.68E-07
19	437644.8	3763011.34	4.79E-07	1.51E-06	1.99E-06	7.44E-08	2.46E-07	3.21E-07	4.01E-08	1.14E-07	1.54E-07
20	437632.97	3763015.83	4.36E-07	1.37E-06	1.81E-06	6.77E-08	2.24E-07	2.92E-07	3.65E-08	1.04E-07	1.40E-07
21	437621.14	3763020.32	3.94E-07	1.24E-06	1.63E-06	6.12E-08	2.03E-07	2.64E-07	3.30E-08	9.40E-08	1.27E-07
22	437609.31	3763024.81	3.54E-07	1.12E-06	1.47E-06	5.50E-08	1.82E-07	2.37E-07	2.97E-08	8.45E-08	1.14E-07
23	437597.48	3763029.3	3.18E-07	1.00E-06	1.32E-06	4.94E-08	1.64E-07	2.13E-07	2.66E-08	7.59E-08	1.03E-07
24	437585.65	3763033.79	2.86E-07	9.00E-07	1.19E-06	4.44E-08	1.47E-07	1.91E-07	2.39E-08	6.82E-08	9.21E-08
25	437620.1	3763041.17	3.00E-07	9.44E-07	1.24E-06	4.66E-08	1.54E-07	2.01E-07	2.51E-08	7.16E-08	9.67E-08
26	437607.93	3763045.79	2.71E-07	8.52E-07	1.12E-06	4.20E-08	1.39E-07	1.81E-07	2.26E-08	6.46E-08	8.72E-08
27	437595.75	3763050.41	2.44E-07	7.69E-07	1.01E-06	3.80E-08	1.26E-07	1.64E-07	2.04E-08	5.83E-08	7.87E-08
28	437583.58	3763055.03	2.21E-07	6.95E-07	9.15E-07	3.43E-08	1.13E-07	1.48E-07	1.85E-08	5.26E-08	7.11E-08
29	437644.94	3763052.2	2.85E-07	8.98E-07	1.18E-06	4.43E-08	1.47E-07	1.91E-07	2.39E-08	6.80E-08	9.19E-08
30	437632.89	3763056.77	2.59E-07	8.16E-07	1.08E-06	4.03E-08	1.33E-07	1.74E-07	2.17E-08	6.19E-08	8.36E-08
31	437620.84	3763061.35	2.36E-07	7.42E-07	9.78E-07	3.66E-08	1.21E-07	1.58E-07	1.97E-08	5.63E-08	7.60E-08
32	437608.79	3763065.92	2.15E-07	6.76E-07	8.90E-07	3.33E-08	1.10E-07	1.44E-07	1.80E-08	5.12E-08	6.92E-08
33	437596.74	3763070.49	1.95E-07	6.14E-07	8.09E-07	3.03E-08	1.00E-07	1.31E-07	1.63E-08	4.65E-08	6.28E-08
34	437584.69	3763075.07	1.77E-07	5.58E-07	7.35E-07	2.75E-08	9.12E-08	1.19E-07	1.48E-08	4.23E-08	5.71E-08
35	437693.38	3763054.26	3.14E-07	9.88E-07	1.30E-06	4.88E-08	1.61E-07	2.10E-07	2.63E-08	7.49E-08	1.01E-07
36	437681.43	3763058.8	2.91E-07	9.18E-07	1.21E-06	4.53E-08	1.50E-07	1.95E-07	2.44E-08	6.95E-08	9.39E-08
37	437669.48	3763063.34	2.69E-07	8.48E-07	1.12E-06	4.18E-08	1.38E-07	1.80E-07	2.25E-08	6.42E-08	8.68E-08
38	437657.53	3763067.87	2.47E-07	7.76E-07	1.02E-06	3.83E-08	1.27E-07	1.65E-07	2.06E-08	5.88E-08	7.95E-08
39	437645.58	3763072.41	2.25E-07	7.09E-07	9.34E-07	3.50E-08	1.16E-07	1.51E-07	1.88E-08	5.37E-08	7.26E-08
40	437633.63	3763076.94	2.06E-07	6.48E-07	8.53E-07	3.20E-08	1.06E-07	1.38E-07	1.72E-08	4.91E-08	6.63E-08
41	437621.68	3763081.48	1.89E-07	5.94E-07	7.82E-07	2.93E-08	9.70E-08	1.26E-07	1.58E-08	4.50E-08	6.08E-08
42	437609.73	3763086.01	1.73E-07	5.44E-07	7.17E-07	2.68E-08	8.88E-08	1.16E-07	1.45E-08	4.12E-08	5.57E-08
43	437597.78	3763090.55	1.58E-07	4.96E-07	6.54E-07	2.45E-08	8.10E-08	1.06E-07	1.32E-08	3.76E-08	5.08E-08
44	437585.83	3763095.09	1.44E-07	4.53E-07	5.97E-07	2.24E-08	7.41E-08	9.65E-08	1.21E-08	3.44E-08	4.64E-08
45	437705.56	3763070.1	2.71E-07	8.53E-07	1.12E-06	4.21E-08	1.39E-07	1.81E-07	2.27E-08	6.46E-08	8.73E-08
46	437693.35	3763074.73	2.51E-07	7.90E-07	1.04E-06	3.90E-08	1.29E-07	1.68E-07	2.10E-08	5.98E-08	8.08E-08
47	437681.15	3763079.36	2.32E-07	7.30E-07	9.62E-07	3.60E-08	1.19E-07	1.55E-07	1.94E-08	5.53E-08	7.47E-08
48	437668.94	3763084	2.14E-07	6.73E-07	8.87E-07	3.32E-08	1.10E-07	1.43E-07	1.79E-08	5.10E-08	6.89E-08
49	437656.73	3763088.63	1.96E-07	6.17E-07	8.13E-07	3.04E-08	1.01E-07	1.31E-07	1.64E-08	4.67E-08	6.31E-08
50	437644.53	3763093.26	1.79E-07	5.64E-07	7.43E-07	2.78E-08	9.22E-08	1.20E-07	1.50E-08	4.28E-08	5.78E-08
51	437632.32	3763097.89	1.64E-07	5.17E-07	6.81E-07	2.55E-08	8.44E-08	1.10E-07	1.37E-08	3.92E-08	5.29E-08
52	437620.12	3763102.53	1.50E-07	4.73E-07	6.24E-07	2.34E-08	7.73E-08	1.01E-07	1.26E-08	3.59E-08	4.84E-08
53	437607.91	3763107.16	1.38E-07	4.33E-07	5.71E-07	2.14E-08	7.08E-08	9.22E-08	1.15E-08	3.28E-08	4.43E-08
54	437595.7	3763111.79	1.26E-07	3.97E-07	5.23E-07	1.96E-08	6.49E-08	8.45E-08	1.06E-08	3.01E-08	4.06E-08
55	437705.75	3763090.48	2.20E-07	6.94E-07	9.14E-07	3.42E-08	1.13E-07	1.48E-07	1.84E-08	5.26E-08	7.10E-08
56	437693.64	3763095.07	2.04E-07	6.44E-07	8.48E-07	3.18E-08	1.05E-07	1.37E-07	1.71E-08	4.88E-08	6.59E-08
57	437681.53	3763099.67	1.89E-07	5.95E-07	7.84E-07	2.94E-08	9.73E-08	1.27E-07	1.58E-08	4.51E-08	6.09E-08

58	437669.43	3763104.26	1.74E-07	5.49E-07	7.23E-07	2.71E-08	8.96E-08	1.17E-07	1.46E-08	4.16E-08	5.62E-08
59	437657.32	3763108.86	1.60E-07	5.04E-07	6.64E-07	2.49E-08	8.23E-08	1.07E-07	1.34E-08	3.82E-08	5.16E-08
60	437645.21	3763113.46	1.47E-07	4.62E-07	6.09E-07	2.28E-08	7.55E-08	9.83E-08	1.23E-08	3.50E-08	4.73E-08
61	437633.1	3763118.05	1.35E-07	4.24E-07	5.58E-07	2.09E-08	6.92E-08	9.01E-08	1.13E-08	3.21E-08	4.34E-08
62	437706.1	3763110.8	1.82E-07	5.73E-07	7.55E-07	2.83E-08	9.36E-08	1.22E-07	1.52E-08	4.34E-08	5.87E-08
63	437694.08	3763115.36	1.69E-07	5.31E-07	7.00E-07	2.62E-08	8.68E-08	1.13E-07	1.41E-08	4.03E-08	5.44E-08
64	437682.05	3763119.93	1.56E-07	4.91E-07	6.47E-07	2.42E-08	8.02E-08	1.04E-07	1.30E-08	3.72E-08	5.02E-08
65	437670.03	3763124.49	1.44E-07	4.53E-07	5.96E-07	2.23E-08	7.40E-08	9.63E-08	1.20E-08	3.43E-08	4.63E-08
66	437621.94	3763142.74	1.03E-07	3.23E-07	4.26E-07	1.60E-08	5.28E-08	6.88E-08	8.59E-09	2.45E-08	3.31E-08
67	437609.92	3763147.31	9.49E-08	2.99E-07	3.94E-07	1.47E-08	4.88E-08	6.36E-08	7.94E-09	2.26E-08	3.06E-08
68	437597.89	3763151.87	8.87E-08	2.79E-07	3.68E-07	1.38E-08	4.56E-08	5.94E-08	7.42E-09	2.12E-08	2.86E-08
69	437585.87	3763156.43	8.32E-08	2.62E-07	3.45E-07	1.29E-08	4.28E-08	5.57E-08	6.96E-09	1.98E-08	2.68E-08
70	437748.53	3763125.37	1.75E-07	5.50E-07	7.25E-07	2.72E-08	8.99E-08	1.17E-07	1.46E-08	4.17E-08	5.63E-08
71	437628.03	3763171.11	8.35E-08	2.63E-07	3.46E-07	1.30E-08	4.30E-08	5.59E-08	6.99E-09	1.99E-08	2.69E-08
72	437615.99	3763175.68	7.78E-08	2.45E-07	3.23E-07	1.21E-08	4.00E-08	5.21E-08	6.51E-09	1.86E-08	2.51E-08
73	437603.94	3763180.26	7.30E-08	2.30E-07	3.03E-07	1.13E-08	3.76E-08	4.89E-08	6.11E-09	1.74E-08	2.35E-08
74	437591.89	3763184.83	6.88E-08	2.17E-07	2.86E-07	1.07E-08	3.54E-08	4.61E-08	5.76E-09	1.64E-08	2.22E-08
75	437579.84	3763189.4	6.50E-08	2.05E-07	2.70E-07	1.01E-08	3.34E-08	4.35E-08	5.44E-09	1.55E-08	2.09E-08
76	437766.92	3763149.08	1.48E-07	4.67E-07	6.15E-07	2.30E-08	7.62E-08	9.93E-08	1.24E-08	3.54E-08	4.78E-08
77	437754.85	3763153.66	1.39E-07	4.37E-07	5.76E-07	2.16E-08	7.14E-08	9.30E-08	1.16E-08	3.31E-08	4.47E-08
78	437742.77	3763158.24	1.30E-07	4.09E-07	5.39E-07	2.02E-08	6.69E-08	8.71E-08	1.09E-08	3.10E-08	4.19E-08
79	437730.7	3763162.82	1.22E-07	3.83E-07	5.04E-07	1.89E-08	6.25E-08	8.14E-08	1.02E-08	2.90E-08	3.92E-08
80	437718.63	3763167.4	1.14E-07	3.58E-07	4.71E-07	1.76E-08	5.84E-08	7.61E-08	9.50E-09	2.71E-08	3.66E-08
81	437706.56	3763171.99	1.06E-07	3.34E-07	4.40E-07	1.65E-08	5.45E-08	7.10E-08	8.87E-09	2.53E-08	3.42E-08
82	437694.49	3763176.57	9.85E-08	3.10E-07	4.09E-07	1.53E-08	5.07E-08	6.60E-08	8.24E-09	2.35E-08	3.17E-08
83	437682.41	3763181.15	9.13E-08	2.87E-07	3.79E-07	1.42E-08	4.70E-08	6.11E-08	7.64E-09	2.18E-08	2.94E-08
84	437670.34	3763185.73	8.48E-08	2.67E-07	3.52E-07	1.32E-08	4.36E-08	5.68E-08	7.10E-09	2.02E-08	2.73E-08
85	437658.27	3763190.31	7.89E-08	2.49E-07	3.27E-07	1.23E-08	4.06E-08	5.29E-08	6.61E-09	1.88E-08	2.54E-08
86	437622.05	3763204.06	6.49E-08	2.04E-07	2.69E-07	1.01E-08	3.34E-08	4.35E-08	5.44E-09	1.55E-08	2.09E-08
87	437609.98	3763208.64	6.14E-08	1.93E-07	2.55E-07	9.54E-09	3.16E-08	4.11E-08	5.14E-09	1.47E-08	1.98E-08
88	437597.91	3763213.22	5.80E-08	1.83E-07	2.41E-07	9.01E-09	2.98E-08	3.88E-08	4.85E-09	1.38E-08	1.87E-08
89	437585.84	3763217.81	5.49E-08	1.73E-07	2.28E-07	8.54E-09	2.83E-08	3.68E-08	4.60E-09	1.31E-08	1.77E-08
90	437785.31	3763172.78	1.28E-07	4.02E-07	5.29E-07	1.98E-08	6.56E-08	8.55E-08	1.07E-08	3.04E-08	4.11E-08
91	437773.22	3763177.37	1.20E-07	3.77E-07	4.96E-07	1.86E-08	6.16E-08	8.02E-08	1.00E-08	2.86E-08	3.86E-08
92	437761.12	3763181.96	1.12E-07	3.52E-07	4.64E-07	1.74E-08	5.76E-08	7.49E-08	9.36E-09	2.67E-08	3.61E-08
93	437749.03	3763186.55	1.05E-07	3.30E-07	4.34E-07	1.63E-08	5.39E-08	7.01E-08	8.76E-09	2.50E-08	3.37E-08
94	437736.94	3763191.13	9.78E-08	3.08E-07	4.06E-07	1.52E-08	5.03E-08	6.55E-08	8.19E-09	2.33E-08	3.15E-08
95	437724.85	3763195.72	9.13E-08	2.88E-07	3.79E-07	1.42E-08	4.70E-08	6.12E-08	7.64E-09	2.18E-08	2.94E-08
96	437712.76	3763200.31	8.54E-08	2.69E-07	3.54E-07	1.33E-08	4.40E-08	5.72E-08	7.15E-09	2.04E-08	2.75E-08
97	437700.67	3763204.9	8.00E-08	2.52E-07	3.32E-07	1.24E-08	4.11E-08	5.36E-08	6.69E-09	1.91E-08	2.58E-08
98	437688.58	3763209.49	7.48E-08	2.35E-07	3.10E-07	1.16E-08	3.85E-08	5.01E-08	6.26E-09	1.78E-08	2.41E-08
99	437676.49	3763214.08	7.01E-08	2.21E-07	2.91E-07	1.09E-08	3.60E-08	4.69E-08	5.87E-09	1.67E-08	2.26E-08
100	437664.4	3763218.67	6.57E-08	2.07E-07	2.73E-07	1.02E-08	3.38E-08	4.40E-08	5.50E-09	1.57E-08	2.12E-08
101	437628.12	3763232.44	5.50E-08	1.73E-07	2.28E-07	8.55E-09	2.83E-08	3.69E-08	4.61E-09	1.31E-08	1.77E-08
102	437616.03	3763237.03	5.21E-08	1.64E-07	2.16E-07	8.10E-09	2.68E-08	3.49E-08	4.36E-09	1.24E-08	1.68E-08
103	437603.94	3763241.62	4.95E-08	1.56E-07	2.05E-07	7.69E-09	2.55E-08	3.31E-08	4.14E-09	1.18E-08	1.59E-08
104	437591.85	3763246.21	4.71E-08	1.48E-07	1.95E-07	7.31E-09	2.42E-08	3.15E-08	3.94E-09	1.12E-08	1.52E-08
105	437579.76	3763250.79	4.49E-08	1.41E-07	1.86E-07	6.98E-09	2.31E-08	3.01E-08	3.76E-09	1.07E-08	1.45E-08
106	437791.59	3763201.07	1.05E-07	3.31E-07	4.36E-07	1.63E-08	5.40E-08	7.03E-08	8.79E-09	2.50E-08	3.38E-08
107	437779.48	3763205.67	9.82E-08	3.09E-07	4.08E-07	1.53E-08	5.05E-08	6.58E-08	8.22E-09	2.34E-08	3.17E-08
108	437767.37	3763210.27	9.18E-08	2.89E-07	3.81E-07	1.43E-08	4.72E-08	6.15E-08	7.68E-09	2.19E-08	2.96E-08
109	437755.27	3763214.86	8.57E-08	2.70E-07	3.56E-07	1.33E-08	4.41E-08	5.74E-08	7.17E-09	2.05E-08	2.76E-08
110	437743.16	3763219.46	7.88E-08	2.48E-07	3.27E-07	1.22E-08	4.06E-08	5.28E-08	6.60E-09	1.88E-08	2.54E-08
111	437670.51	3763247.03	5.55E-08	1.75E-07	2.30E-07	8.63E-09	2.86E-08	3.72E-08	4.65E-09	1.33E-08	1.79E-08
112	437658.41	3763251.62	5.25E-08	1.65E-07	2.18E-07	8.15E-09	2.70E-08	3.51E-08	4.39E-09	1.25E-08	1.69E-08
113	437646.3	3763256.22	4.97E-08	1.56E-07	2.06E-07	7.72E-09	2.56E-08	3.33E-08	4.16E-09	1.19E-08	1.60E-08
114	437634.19	3763260.81	4.71E-08	1.48E-07	1.95E-07	7.32E-09	2.42E-08	3.16E-08	3.94E-09	1.12E-08	1.52E-08
115	437622.09	3763265.41	4.48E-08	1.41E-07	1.86E-07	6.95E-09	2.30E-08	3.00E-08	3.75E-09	1.07E-08	1.44E-08
116	437609.98	3763270.01	4.26E-08	1.34E-07	1.77E-07	6.62E-09	2.19E-08	2.85E-08	3.57E-09	1.02E-08	1.37E-08
117	437597.87	3763274.6	4.07E-08	1.28E-07	1.69E-07	6.32E-09	2.09E-08	2.72E-08	3.40E-09	9.70E-09	1.31E-08
118	437585.76	3763279.2	3.89E-08	1.22E-07	1.61E-07	6.04E-09	2.00E-08	2.60E-08	3.25E-09	9.27E-09	1.25E-08

119	437749.36	3763247.78	6.54E-08	2.06E-07	2.71E-07	1.02E-08	3.37E-08	4.38E-08	5.48E-09	1.56E-08	2.11E-08
120	437737.23	3763252.39	6.13E-08	1.93E-07	2.54E-07	9.53E-09	3.15E-08	4.11E-08	5.13E-09	1.46E-08	1.98E-08
121	437725.11	3763256.99	5.77E-08	1.82E-07	2.40E-07	8.97E-09	2.97E-08	3.87E-08	4.83E-09	1.38E-08	1.86E-08
122	437712.99	3763261.59	5.47E-08	1.72E-07	2.27E-07	8.50E-09	2.81E-08	3.66E-08	4.58E-09	1.30E-08	1.76E-08
123	437700.87	3763266.19	5.27E-08	1.66E-07	2.19E-07	8.19E-09	2.71E-08	3.53E-08	4.41E-09	1.26E-08	1.70E-08
124	437688.75	3763270.79	5.00E-08	1.57E-07	2.07E-07	7.77E-09	2.57E-08	3.35E-08	4.19E-09	1.19E-08	1.61E-08
125	437676.63	3763275.39	4.75E-08	1.49E-07	1.97E-07	7.38E-09	2.44E-08	3.18E-08	3.97E-09	1.13E-08	1.53E-08
126	437664.51	3763279.99	4.50E-08	1.42E-07	1.87E-07	7.00E-09	2.32E-08	3.02E-08	3.77E-09	1.07E-08	1.45E-08
127	437652.38	3763284.59	4.27E-08	1.34E-07	1.77E-07	6.63E-09	2.20E-08	2.86E-08	3.57E-09	1.02E-08	1.38E-08
128	437640.26	3763289.19	4.05E-08	1.28E-07	1.68E-07	6.30E-09	2.09E-08	2.71E-08	3.39E-09	9.67E-09	1.31E-08
129	437628.14	3763293.79	3.87E-08	1.22E-07	1.60E-07	6.01E-09	1.99E-08	2.59E-08	3.24E-09	9.23E-09	1.25E-08
130	437616.02	3763298.39	3.70E-08	1.16E-07	1.53E-07	5.74E-09	1.90E-08	2.48E-08	3.09E-09	8.82E-09	1.19E-08
131	437603.9	3763302.99	3.51E-08	1.11E-07	1.46E-07	5.46E-09	1.81E-08	2.35E-08	2.94E-09	8.38E-09	1.13E-08
132	437591.78	3763307.59	3.40E-08	1.07E-07	1.41E-07	5.29E-09	1.75E-08	2.28E-08	2.85E-09	8.12E-09	1.10E-08
133	437840.48	3763243.88	8.61E-08	2.71E-07	3.57E-07	1.34E-08	4.43E-08	5.77E-08	7.21E-09	2.06E-08	2.78E-08
134	437828.34	3763248.49	8.14E-08	2.56E-07	3.38E-07	1.27E-08	4.19E-08	5.45E-08	6.82E-09	1.94E-08	2.62E-08
135	437816.21	3763253.09	7.69E-08	2.42E-07	3.19E-07	1.19E-08	3.95E-08	5.15E-08	6.43E-09	1.83E-08	2.48E-08
136	437804.07	3763257.7	7.22E-08	2.27E-07	3.00E-07	1.12E-08	3.72E-08	4.84E-08	6.04E-09	1.72E-08	2.33E-08
137	437791.94	3763262.3	6.78E-08	2.14E-07	2.81E-07	1.05E-08	3.49E-08	4.54E-08	5.67E-09	1.62E-08	2.19E-08
138	437779.81	3763266.91	6.26E-08	1.97E-07	2.60E-07	9.73E-09	3.22E-08	4.19E-08	5.24E-09	1.49E-08	2.02E-08
139	437767.67	3763271.51	5.87E-08	1.85E-07	2.43E-07	9.12E-09	3.02E-08	3.93E-08	4.91E-09	1.40E-08	1.89E-08
140	437755.54	3763276.12	5.52E-08	1.74E-07	2.29E-07	8.57E-09	2.84E-08	3.69E-08	4.62E-09	1.32E-08	1.78E-08
141	437743.4	3763280.72	5.22E-08	1.64E-07	2.17E-07	8.11E-09	2.69E-08	3.50E-08	4.37E-09	1.25E-08	1.68E-08
142	437731.27	3763285.33	5.04E-08	1.59E-07	2.09E-07	7.83E-09	2.59E-08	3.38E-08	4.22E-09	1.20E-08	1.62E-08
143	437719.14	3763289.94	4.79E-08	1.51E-07	1.99E-07	7.44E-09	2.46E-08	3.21E-08	4.01E-09	1.14E-08	1.54E-08
144	437707	3763294.54	4.56E-08	1.43E-07	1.89E-07	7.08E-09	2.34E-08	3.05E-08	3.81E-09	1.09E-08	1.47E-08
145	437694.87	3763299.15	4.33E-08	1.37E-07	1.80E-07	6.73E-09	2.23E-08	2.90E-08	3.63E-09	1.03E-08	1.40E-08
146	437682.73	3763303.75	4.12E-08	1.30E-07	1.71E-07	6.40E-09	2.12E-08	2.76E-08	3.45E-09	9.83E-09	1.33E-08
147	437670.6	3763308.36	3.92E-08	1.23E-07	1.63E-07	6.09E-09	2.02E-08	2.62E-08	3.28E-09	9.35E-09	1.26E-08
148	437658.47	3763312.96	3.73E-08	1.17E-07	1.55E-07	5.79E-09	1.92E-08	2.50E-08	3.12E-09	8.90E-09	1.20E-08
149	437646.33	3763317.57	3.55E-08	1.12E-07	1.47E-07	5.52E-09	1.83E-08	2.38E-08	2.98E-09	8.48E-09	1.15E-08
150	437585.66	3763340.6	2.93E-08	9.22E-08	1.22E-07	4.55E-09	1.51E-08	1.96E-08	2.45E-09	6.99E-09	9.44E-09
151	437858.87	3763267.58	7.61E-08	2.40E-07	3.16E-07	1.18E-08	3.92E-08	5.10E-08	6.37E-09	1.82E-08	2.45E-08
152	437846.72	3763272.19	7.22E-08	2.27E-07	2.99E-07	1.12E-08	3.71E-08	4.83E-08	6.04E-09	1.72E-08	2.33E-08
153	437834.58	3763276.8	6.83E-08	2.15E-07	2.83E-07	1.06E-08	3.51E-08	4.58E-08	5.72E-09	1.63E-08	2.20E-08
154	437822.43	3763281.41	6.45E-08	2.03E-07	2.68E-07	1.00E-08	3.32E-08	4.32E-08	5.40E-09	1.54E-08	2.08E-08
155	437810.29	3763286.02	6.09E-08	1.92E-07	2.53E-07	9.46E-09	3.13E-08	4.08E-08	5.09E-09	1.45E-08	1.96E-08
156	437798.14	3763290.63	5.74E-08	1.81E-07	2.38E-07	8.92E-09	2.95E-08	3.85E-08	4.81E-09	1.37E-08	1.85E-08
157	437786	3763295.24	5.32E-08	1.68E-07	2.21E-07	8.27E-09	2.74E-08	3.56E-08	4.45E-09	1.27E-08	1.71E-08
158	437773.85	3763299.85	5.00E-08	1.58E-07	2.08E-07	7.77E-09	2.57E-08	3.35E-08	4.19E-09	1.19E-08	1.61E-08
159	437761.71	3763304.46	4.72E-08	1.49E-07	1.96E-07	7.33E-09	2.43E-08	3.16E-08	3.95E-09	1.13E-08	1.52E-08
160	437749.56	3763309.07	4.49E-08	1.41E-07	1.86E-07	6.98E-09	2.31E-08	3.01E-08	3.76E-09	1.07E-08	1.45E-08
161	437737.42	3763313.68	4.36E-08	1.37E-07	1.81E-07	6.78E-09	2.24E-08	2.92E-08	3.65E-09	1.04E-08	1.41E-08
162	437725.27	3763318.29	4.16E-08	1.31E-07	1.73E-07	6.47E-09	2.14E-08	2.79E-08	3.49E-09	9.94E-09	1.34E-08
163	437664.55	3763341.34	3.29E-08	1.04E-07	1.37E-07	5.12E-09	1.69E-08	2.21E-08	2.76E-09	7.86E-09	1.06E-08
164	437652.4	3763345.95	3.16E-08	9.95E-08	1.31E-07	4.91E-09	1.63E-08	2.12E-08	2.64E-09	7.54E-09	1.02E-08
165	437640.26	3763350.56	3.04E-08	9.57E-08	1.26E-07	4.72E-09	1.56E-08	2.03E-08	2.54E-09	7.25E-09	9.79E-09
166	437628.11	3763355.16	2.92E-08	9.21E-08	1.21E-07	4.54E-09	1.50E-08	1.96E-08	2.45E-09	6.98E-09	9.43E-09
167	437615.97	3763359.77	2.82E-08	8.88E-08	1.17E-07	4.38E-09	1.45E-08	1.89E-08	2.36E-09	6.73E-09	9.09E-09
168	437603.82	3763364.38	2.72E-08	8.57E-08	1.13E-07	4.23E-09	1.40E-08	1.82E-08	2.28E-09	6.49E-09	8.77E-09
169	437591.68	3763368.99	2.63E-08	8.29E-08	1.09E-07	4.09E-09	1.35E-08	1.76E-08	2.20E-09	6.28E-09	8.48E-09
170	437877.26	3763291.28	6.82E-08	2.15E-07	2.83E-07	1.06E-08	3.51E-08	4.57E-08	5.71E-09	1.63E-08	2.20E-08
171	437865.1	3763295.9	6.47E-08	2.04E-07	2.68E-07	1.01E-08	3.33E-08	4.33E-08	5.41E-09	1.54E-08	2.08E-08
172	437852.95	3763300.51	6.13E-08	1.93E-07	2.54E-07	9.52E-09	3.15E-08	4.10E-08	5.13E-09	1.46E-08	1.98E-08
173	437840.79	3763305.12	5.80E-08	1.83E-07	2.40E-07	9.01E-09	2.98E-08	3.88E-08	4.85E-09	1.38E-08	1.87E-08
174	437828.64	3763309.74	5.39E-08	1.70E-07	2.23E-07	8.37E-09	2.77E-08	3.61E-08	4.51E-09	1.29E-08	1.74E-08
175	437816.48	3763314.35	5.07E-08	1.60E-07	2.11E-07	7.88E-09	2.61E-08	3.40E-08	4.25E-09	1.21E-08	1.64E-08
176	437804.33	3763318.96	4.79E-08	1.51E-07	1.99E-07	7.44E-09	2.46E-08	3.21E-08	4.01E-09	1.14E-08	1.54E-08
177	437743.56	3763342.03	3.72E-08	1.17E-07	1.54E-07	5.77E-09	1.91E-08	2.49E-08	3.11E-09	8.87E-09	1.20E-08
178	437731.4	3763346.64	3.61E-08	1.14E-07	1.50E-07	5.61E-09	1.86E-08	2.42E-08	3.02E-09	8.62E-09	1.16E-08
179	437719.25	3763351.26	3.45E-08	1.09E-07	1.43E-07	5.37E-09	1.78E-08	2.31E-08	2.89E-09	8.24E-09	1.11E-08

180	437694.94	3763360.48	3.18E-08	1.00E-07	1.32E-07	4.94E-09	1.63E-08	2.13E-08	2.66E-09	7.58E-09	1.02E-08
181	437682.78	3763365.1	3.05E-08	9.59E-08	1.26E-07	4.73E-09	1.57E-08	2.04E-08	2.55E-09	7.27E-09	9.82E-09
182	437670.63	3763369.71	2.93E-08	9.22E-08	1.21E-07	4.55E-09	1.51E-08	1.96E-08	2.45E-09	6.98E-09	9.43E-09
183	437658.47	3763374.32	2.82E-08	8.87E-08	1.17E-07	4.38E-09	1.45E-08	1.89E-08	2.36E-09	6.72E-09	9.08E-09
184	437646.32	3763378.94	2.71E-08	8.55E-08	1.13E-07	4.22E-09	1.40E-08	1.82E-08	2.27E-09	6.48E-09	8.75E-09
185	437634.16	3763383.55	2.62E-08	8.26E-08	1.09E-07	4.07E-09	1.35E-08	1.76E-08	2.19E-09	6.26E-09	8.45E-09
186	437622.01	3763388.16	2.53E-08	7.97E-08	1.05E-07	3.93E-09	1.30E-08	1.70E-08	2.12E-09	6.04E-09	8.16E-09
187	437609.85	3763392.78	2.44E-08	7.70E-08	1.01E-07	3.80E-09	1.26E-08	1.64E-08	2.05E-09	5.83E-09	7.88E-09
188	437597.7	3763397.39	2.36E-08	7.44E-08	9.80E-08	3.67E-09	1.21E-08	1.58E-08	1.98E-09	5.63E-09	7.61E-09
189	437895.65	3763314.98	6.14E-08	1.93E-07	2.55E-07	9.54E-09	3.16E-08	4.11E-08	5.14E-09	1.47E-08	1.98E-08
190	437883.48	3763319.6	5.83E-08	1.84E-07	2.42E-07	9.06E-09	3.00E-08	3.91E-08	4.88E-09	1.39E-08	1.88E-08
191	437834.83	3763338.07	4.63E-08	1.46E-07	1.92E-07	7.19E-09	2.38E-08	3.10E-08	3.87E-09	1.10E-08	1.49E-08
192	437822.67	3763342.68	4.37E-08	1.38E-07	1.81E-07	6.79E-09	2.25E-08	2.93E-08	3.66E-09	1.04E-08	1.41E-08
193	437810.5	3763347.3	4.14E-08	1.30E-07	1.72E-07	6.43E-09	2.13E-08	2.77E-08	3.47E-09	9.88E-09	1.33E-08
194	437798.34	3763351.92	3.93E-08	1.24E-07	1.63E-07	6.11E-09	2.02E-08	2.63E-08	3.29E-09	9.38E-09	1.27E-08
195	437786.18	3763356.53	3.73E-08	1.18E-07	1.55E-07	5.80E-09	1.92E-08	2.50E-08	3.12E-09	8.91E-09	1.20E-08
196	437774.01	3763361.15	3.56E-08	1.12E-07	1.48E-07	5.53E-09	1.83E-08	2.38E-08	2.98E-09	8.49E-09	1.15E-08
197	437761.85	3763365.77	3.40E-08	1.07E-07	1.41E-07	5.28E-09	1.75E-08	2.28E-08	2.84E-09	8.11E-09	1.10E-08
198	437749.69	3763370.38	3.26E-08	1.03E-07	1.35E-07	5.06E-09	1.68E-08	2.18E-08	2.73E-09	7.78E-09	1.05E-08
199	437737.52	3763375	3.13E-08	9.86E-08	1.30E-07	4.87E-09	1.61E-08	2.10E-08	2.62E-09	7.47E-09	1.01E-08
200	437725.36	3763379.62	3.05E-08	9.61E-08	1.27E-07	4.74E-09	1.57E-08	2.05E-08	2.56E-09	7.29E-09	9.84E-09
201	437688.87	3763393.47	2.72E-08	8.58E-08	1.13E-07	4.23E-09	1.40E-08	1.82E-08	2.28E-09	6.50E-09	8.78E-09
202	437676.71	3763398.08	2.63E-08	8.28E-08	1.09E-07	4.09E-09	1.35E-08	1.76E-08	2.20E-09	6.27E-09	8.48E-09
203	437664.54	3763402.7	2.54E-08	8.00E-08	1.05E-07	3.95E-09	1.31E-08	1.70E-08	2.13E-09	6.07E-09	8.19E-09
204	437652.38	3763407.32	2.46E-08	7.74E-08	1.02E-07	3.82E-09	1.26E-08	1.65E-08	2.06E-09	5.87E-09	7.92E-09
205	437640.22	3763411.93	2.38E-08	7.49E-08	9.87E-08	3.70E-09	1.22E-08	1.59E-08	1.99E-09	5.68E-09	7.67E-09
206	437628.05	3763416.55	2.29E-08	7.21E-08	9.50E-08	3.56E-09	1.18E-08	1.53E-08	1.92E-09	5.46E-09	7.38E-09
207	437615.89	3763421.17	2.21E-08	6.95E-08	9.16E-08	3.43E-09	1.14E-08	1.48E-08	1.85E-09	5.27E-09	7.11E-09
208	437603.72	3763425.78	2.12E-08	6.68E-08	8.80E-08	3.30E-09	1.09E-08	1.42E-08	1.78E-09	5.06E-09	6.84E-09
209	437591.56	3763430.4	2.05E-08	6.47E-08	8.52E-08	3.19E-09	1.06E-08	1.38E-08	1.72E-09	4.90E-09	6.62E-09
210	437914.04	3763338.68	5.48E-08	1.73E-07	2.27E-07	8.51E-09	2.82E-08	3.67E-08	4.59E-09	1.31E-08	1.77E-08
211	437901.87	3763343.3	5.19E-08	1.64E-07	2.16E-07	8.07E-09	2.67E-08	3.48E-08	4.35E-09	1.24E-08	1.67E-08
212	437889.7	3763347.92	4.92E-08	1.55E-07	2.04E-07	7.65E-09	2.53E-08	3.30E-08	4.12E-09	1.18E-08	1.59E-08
213	437877.53	3763352.54	4.67E-08	1.47E-07	1.94E-07	7.26E-09	2.40E-08	3.13E-08	3.91E-09	1.12E-08	1.51E-08
214	437865.35	3763357.16	4.45E-08	1.40E-07	1.85E-07	6.91E-09	2.29E-08	2.98E-08	3.72E-09	1.06E-08	1.43E-08
215	437853.18	3763361.78	4.23E-08	1.33E-07	1.76E-07	6.57E-09	2.18E-08	2.83E-08	3.54E-09	1.01E-08	1.36E-08
216	437841.01	3763366.4	4.00E-08	1.26E-07	1.66E-07	6.22E-09	2.06E-08	2.68E-08	3.35E-09	9.55E-09	1.29E-08
217	437828.84	3763371.02	3.78E-08	1.19E-07	1.57E-07	5.88E-09	1.95E-08	2.53E-08	3.17E-09	9.03E-09	1.22E-08
218	437816.67	3763375.64	3.59E-08	1.13E-07	1.49E-07	5.57E-09	1.84E-08	2.40E-08	3.00E-09	8.56E-09	1.16E-08
219	437804.5	3763380.26	3.41E-08	1.07E-07	1.42E-07	5.30E-09	1.76E-08	2.29E-08	2.86E-09	8.14E-09	1.10E-08
220	437792.33	3763384.88	3.25E-08	1.02E-07	1.35E-07	5.05E-09	1.67E-08	2.18E-08	2.72E-09	7.76E-09	1.05E-08
221	437780.15	3763389.5	3.12E-08	9.82E-08	1.29E-07	4.84E-09	1.60E-08	2.09E-08	2.61E-09	7.44E-09	1.00E-08
222	437767.98	3763394.12	3.00E-08	9.44E-08	1.24E-07	4.66E-09	1.54E-08	2.01E-08	2.51E-09	7.15E-09	9.66E-09
223	437755.81	3763398.74	2.89E-08	9.09E-08	1.20E-07	4.48E-09	1.48E-08	1.93E-08	2.42E-09	6.89E-09	9.30E-09
224	437743.64	3763403.36	2.77E-08	8.73E-08	1.15E-07	4.31E-09	1.43E-08	1.86E-08	2.32E-09	6.62E-09	8.94E-09
225	437731.47	3763407.98	2.67E-08	8.40E-08	1.11E-07	4.14E-09	1.37E-08	1.79E-08	2.23E-09	6.36E-09	8.60E-09
226	437719.3	3763412.6	2.58E-08	8.13E-08	1.07E-07	4.01E-09	1.33E-08	1.73E-08	2.16E-09	6.16E-09	8.32E-09
227	437694.96	3763421.84	2.44E-08	7.70E-08	1.01E-07	3.80E-09	1.26E-08	1.64E-08	2.05E-09	5.83E-09	7.88E-09
228	437682.78	3763426.46	2.37E-08	7.46E-08	9.83E-08	3.68E-09	1.22E-08	1.59E-08	1.98E-09	5.65E-09	7.63E-09
229	437670.61	3763431.08	2.30E-08	7.24E-08	9.54E-08	3.57E-09	1.18E-08	1.54E-08	1.93E-09	5.49E-09	7.41E-09
230	437658.44	3763435.7	2.22E-08	7.00E-08	9.22E-08	3.45E-09	1.14E-08	1.49E-08	1.86E-09	5.30E-09	7.16E-09
231	437646.27	3763440.32	2.15E-08	6.77E-08	8.91E-08	3.34E-09	1.11E-08	1.44E-08	1.80E-09	5.13E-09	6.92E-09
232	437634.1	3763444.94	2.07E-08	6.53E-08	8.61E-08	3.22E-09	1.07E-08	1.39E-08	1.74E-09	4.95E-09	6.69E-09
233	437621.93	3763449.55	1.99E-08	6.28E-08	8.27E-08	3.10E-09	1.03E-08	1.34E-08	1.67E-09	4.76E-09	6.43E-09
234	437609.76	3763454.17	1.93E-08	6.08E-08	8.01E-08	3.00E-09	9.93E-09	1.29E-08	1.61E-09	4.60E-09	6.22E-09
235	437597.58	3763458.79	1.87E-08	5.89E-08	7.76E-08	2.91E-09	9.63E-09	1.25E-08	1.57E-09	4.47E-09	6.03E-09
236	437938.59	3763370.27	4.82E-08	1.52E-07	2.00E-07	7.50E-09	2.48E-08	3.23E-08	4.04E-09	1.15E-08	1.55E-08
237	437926.51	3763374.86	4.59E-08	1.44E-07	1.90E-07	7.13E-09	2.36E-08	3.07E-08	3.84E-09	1.09E-08	1.48E-08
238	437914.42	3763379.45	4.36E-08	1.37E-07	1.81E-07	6.78E-09	2.24E-08	2.92E-08	3.65E-09	1.04E-08	1.41E-08
239	437902.33	3763384.03	4.15E-08	1.31E-07	1.72E-07	6.45E-09	2.14E-08	2.78E-08	3.48E-09	9.91E-09	1.34E-08
240	437890.24	3763388.62	3.95E-08	1.24E-07	1.64E-07	6.14E-09	2.03E-08	2.65E-08	3.31E-09	9.43E-09	1.27E-08

241	437878.16	3763393.21	3.76E-08	1.18E-07	1.56E-07	5.85E-09	1.94E-08	2.52E-08	3.15E-09	8.98E-09	1.21E-08
242	437866.07	3763397.8	3.58E-08	1.13E-07	1.49E-07	5.57E-09	1.84E-08	2.40E-08	3.00E-09	8.55E-09	1.16E-08
243	437853.98	3763402.39	3.42E-08	1.08E-07	1.42E-07	5.31E-09	1.76E-08	2.29E-08	2.86E-09	8.15E-09	1.10E-08
244	437841.89	3763406.97	3.25E-08	1.02E-07	1.35E-07	5.05E-09	1.67E-08	2.18E-08	2.72E-09	7.76E-09	1.05E-08
245	437829.81	3763411.56	3.09E-08	9.74E-08	1.28E-07	4.81E-09	1.59E-08	2.07E-08	2.59E-09	7.38E-09	9.97E-09
246	437817.72	3763416.15	2.94E-08	9.26E-08	1.22E-07	4.57E-09	1.51E-08	1.97E-08	2.46E-09	7.02E-09	9.48E-09
247	437805.63	3763420.74	2.81E-08	8.83E-08	1.16E-07	4.36E-09	1.44E-08	1.88E-08	2.35E-09	6.69E-09	9.04E-09
248	437745.19	3763443.68	2.33E-08	7.34E-08	9.67E-08	3.62E-09	1.20E-08	1.56E-08	1.95E-09	5.56E-09	7.51E-09
249	437733.11	3763448.26	2.26E-08	7.11E-08	9.36E-08	3.51E-09	1.16E-08	1.51E-08	1.89E-09	5.38E-09	7.27E-09
250	437721.02	3763452.85	2.19E-08	6.90E-08	9.10E-08	3.41E-09	1.13E-08	1.47E-08	1.83E-09	5.23E-09	7.07E-09
251	437696.85	3763462.03	2.08E-08	6.54E-08	8.61E-08	3.22E-09	1.07E-08	1.39E-08	1.74E-09	4.95E-09	6.69E-09
252	437684.76	3763466.61	2.01E-08	6.34E-08	8.35E-08	3.13E-09	1.04E-08	1.35E-08	1.69E-09	4.80E-09	6.49E-09
253	437672.67	3763471.2	1.95E-08	6.15E-08	8.10E-08	3.03E-09	1.00E-08	1.31E-08	1.63E-09	4.66E-09	6.30E-09
254	437660.58	3763475.79	1.90E-08	5.97E-08	7.87E-08	2.95E-09	9.76E-09	1.27E-08	1.59E-09	4.52E-09	6.11E-09
255	437648.5	3763480.38	1.84E-08	5.80E-08	7.64E-08	2.86E-09	9.48E-09	1.23E-08	1.54E-09	4.40E-09	5.94E-09
256	437636.41	3763484.97	1.79E-08	5.63E-08	7.42E-08	2.78E-09	9.20E-09	1.20E-08	1.50E-09	4.27E-09	5.76E-09
257	437624.32	3763489.55	1.74E-08	5.47E-08	7.21E-08	2.70E-09	8.94E-09	1.16E-08	1.45E-09	4.15E-09	5.60E-09
258	437612.23	3763494.14	1.69E-08	5.33E-08	7.02E-08	2.63E-09	8.70E-09	1.13E-08	1.42E-09	4.04E-09	5.45E-09
259	437600.15	3763498.73	1.65E-08	5.19E-08	6.84E-08	2.56E-09	8.48E-09	1.10E-08	1.38E-09	3.93E-09	5.31E-09
260	437950.96	3763406.49	4.04E-08	1.27E-07	1.68E-07	6.28E-09	2.08E-08	2.71E-08	3.38E-09	9.64E-09	1.30E-08
261	437938.81	3763411.1	3.86E-08	1.22E-07	1.60E-07	6.00E-09	1.99E-08	2.59E-08	3.23E-09	9.21E-09	1.24E-08
262	437926.67	3763415.71	3.69E-08	1.16E-07	1.53E-07	5.73E-09	1.90E-08	2.47E-08	3.09E-09	8.80E-09	1.19E-08
263	437914.52	3763420.31	3.52E-08	1.11E-07	1.46E-07	5.48E-09	1.81E-08	2.36E-08	2.95E-09	8.41E-09	1.14E-08
264	437853.8	3763443.36	2.77E-08	8.73E-08	1.15E-07	4.31E-09	1.43E-08	1.86E-08	2.32E-09	6.62E-09	8.94E-09
265	437841.65	3763447.97	2.65E-08	8.34E-08	1.10E-07	4.12E-09	1.36E-08	1.77E-08	2.22E-09	6.32E-09	8.54E-09
266	437829.51	3763452.58	2.54E-08	7.99E-08	1.05E-07	3.94E-09	1.30E-08	1.70E-08	2.12E-09	6.05E-09	8.18E-09
267	437817.36	3763457.19	2.43E-08	7.66E-08	1.01E-07	3.78E-09	1.25E-08	1.63E-08	2.04E-09	5.81E-09	7.84E-09
268	437805.22	3763461.8	2.34E-08	7.38E-08	9.73E-08	3.64E-09	1.21E-08	1.57E-08	1.96E-09	5.60E-09	7.56E-09
269	437793.07	3763466.41	2.26E-08	7.13E-08	9.39E-08	3.52E-09	1.16E-08	1.52E-08	1.89E-09	5.40E-09	7.29E-09
270	437780.93	3763471.02	2.19E-08	6.89E-08	9.08E-08	3.40E-09	1.13E-08	1.47E-08	1.83E-09	5.22E-09	7.05E-09
271	437768.78	3763475.63	2.12E-08	6.67E-08	8.79E-08	3.29E-09	1.09E-08	1.42E-08	1.77E-09	5.05E-09	6.83E-09
272	437756.64	3763480.24	2.06E-08	6.48E-08	8.53E-08	3.19E-09	1.06E-08	1.38E-08	1.72E-09	4.91E-09	6.63E-09
273	437744.49	3763484.85	2.00E-08	6.30E-08	8.30E-08	3.11E-09	1.03E-08	1.34E-08	1.67E-09	4.77E-09	6.45E-09
274	437732.35	3763489.46	1.95E-08	6.14E-08	8.08E-08	3.03E-09	1.00E-08	1.31E-08	1.63E-09	4.65E-09	6.28E-09
275	437720.2	3763494.07	1.90E-08	5.97E-08	7.87E-08	2.95E-09	9.76E-09	1.27E-08	1.59E-09	4.52E-09	6.11E-09
276	437695.91	3763503.29	1.79E-08	5.65E-08	7.44E-08	2.79E-09	9.23E-09	1.20E-08	1.50E-09	4.28E-09	5.78E-09
277	437683.77	3763507.9	1.75E-08	5.50E-08	7.25E-08	2.71E-09	8.99E-09	1.17E-08	1.46E-09	4.17E-09	5.63E-09
278	437671.62	3763512.51	1.70E-08	5.36E-08	7.06E-08	2.64E-09	8.75E-09	1.14E-08	1.42E-09	4.06E-09	5.48E-09
279	437659.48	3763517.12	1.66E-08	5.21E-08	6.87E-08	2.57E-09	8.52E-09	1.11E-08	1.39E-09	3.95E-09	5.34E-09
280	437647.33	3763521.73	1.61E-08	5.07E-08	6.68E-08	2.50E-09	8.29E-09	1.08E-08	1.35E-09	3.84E-09	5.19E-09
281	437635.19	3763526.34	1.57E-08	4.94E-08	6.51E-08	2.44E-09	8.07E-09	1.05E-08	1.31E-09	3.75E-09	5.06E-09
282	437987.61	3763433.48	3.78E-08	1.19E-07	1.57E-07	5.88E-09	1.95E-08	2.54E-08	3.17E-09	9.03E-09	1.22E-08
283	437951.02	3763447.37	3.30E-08	1.04E-07	1.37E-07	5.12E-09	1.70E-08	2.21E-08	2.76E-09	7.87E-09	1.06E-08
284	437938.82	3763452	3.15E-08	9.93E-08	1.31E-07	4.90E-09	1.62E-08	2.11E-08	2.64E-09	7.52E-09	1.02E-08
285	437926.63	3763456.63	3.02E-08	9.51E-08	1.25E-07	4.69E-09	1.55E-08	2.02E-08	2.53E-09	7.21E-09	9.74E-09
286	437914.43	3763461.26	2.90E-08	9.14E-08	1.20E-07	4.51E-09	1.49E-08	1.95E-08	2.43E-09	6.93E-09	9.36E-09
287	437902.23	3763465.89	2.78E-08	8.76E-08	1.15E-07	4.32E-09	1.43E-08	1.86E-08	2.33E-09	6.64E-09	8.97E-09
288	437890.04	3763470.52	2.66E-08	8.38E-08	1.10E-07	4.13E-09	1.37E-08	1.78E-08	2.23E-09	6.35E-09	8.57E-09
289	437877.84	3763475.14	2.55E-08	8.02E-08	1.06E-07	3.96E-09	1.31E-08	1.71E-08	2.13E-09	6.08E-09	8.21E-09
290	437865.64	3763479.77	2.44E-08	7.67E-08	1.01E-07	3.79E-09	1.25E-08	1.63E-08	2.04E-09	5.82E-09	7.85E-09
291	437853.45	3763484.4	2.33E-08	7.35E-08	9.68E-08	3.63E-09	1.20E-08	1.56E-08	1.95E-09	5.57E-09	7.52E-09
292	437841.25	3763489.03	2.24E-08	7.05E-08	9.29E-08	3.48E-09	1.15E-08	1.50E-08	1.87E-09	5.35E-09	7.22E-09
293	437829.05	3763493.66	2.15E-08	6.79E-08	8.94E-08	3.35E-09	1.11E-08	1.44E-08	1.80E-09	5.14E-09	6.95E-09
294	437816.86	3763498.29	2.08E-08	6.54E-08	8.62E-08	3.23E-09	1.07E-08	1.39E-08	1.74E-09	4.96E-09	6.70E-09
295	437804.66	3763502.92	2.01E-08	6.34E-08	8.35E-08	3.13E-09	1.04E-08	1.35E-08	1.68E-09	4.80E-09	6.49E-09
296	437792.47	3763507.55	1.95E-08	6.15E-08	8.10E-08	3.03E-09	1.00E-08	1.31E-08	1.63E-09	4.66E-09	6.29E-09
297	437780.27	3763512.18	1.90E-08	5.98E-08	7.88E-08	2.95E-09	9.77E-09	1.27E-08	1.59E-09	4.53E-09	6.12E-09
298	437768.07	3763516.81	1.85E-08	5.81E-08	7.66E-08	2.87E-09	9.50E-09	1.24E-08	1.55E-09	4.41E-09	5.95E-09
299	437755.88	3763521.44	1.80E-08	5.66E-08	7.45E-08	2.79E-09	9.24E-09	1.20E-08	1.50E-09	4.29E-09	5.79E-09
300	437743.68	3763526.07	1.75E-08	5.50E-08	7.25E-08	2.71E-09	8.99E-09	1.17E-08	1.46E-09	4.17E-09	5.63E-09
301	437731.48	3763530.7	1.70E-08	5.36E-08	7.06E-08	2.64E-09	8.75E-09	1.14E-08	1.42E-09	4.06E-09	5.48E-09

302	437682.7	3763549.21	1.54E-08	4.86E-08	6.41E-08	2.40E-09	7.94E-09	1.03E-08	1.29E-09	3.68E-09	4.98E-09
303	437670.5	3763553.84	1.51E-08	4.75E-08	6.25E-08	2.34E-09	7.75E-09	1.01E-08	1.26E-09	3.60E-09	4.86E-09
304	437658.3	3763558.47	1.47E-08	4.63E-08	6.10E-08	2.29E-09	7.57E-09	9.85E-09	1.23E-09	3.51E-09	4.74E-09
305	437646.11	3763563.1	1.44E-08	4.53E-08	5.96E-08	2.23E-09	7.39E-09	9.63E-09	1.20E-09	3.43E-09	4.63E-09
306	437633.91	3763567.73	1.40E-08	4.42E-08	5.82E-08	2.18E-09	7.22E-09	9.40E-09	1.17E-09	3.35E-09	4.52E-09
307	437621.71	3763572.36	1.37E-08	4.32E-08	5.70E-08	2.13E-09	7.06E-09	9.20E-09	1.15E-09	3.28E-09	4.43E-09
308	437609.52	3763576.99	1.34E-08	4.23E-08	5.58E-08	2.09E-09	6.92E-09	9.00E-09	1.13E-09	3.21E-09	4.33E-09
309	438012.16	3763465.07	3.43E-08	1.08E-07	1.42E-07	5.33E-09	1.76E-08	2.30E-08	2.87E-09	8.18E-09	1.11E-08
310	438000.04	3763469.67	3.30E-08	1.04E-07	1.37E-07	5.12E-09	1.70E-08	2.21E-08	2.76E-09	7.86E-09	1.06E-08
311	437987.91	3763474.27	3.15E-08	9.91E-08	1.31E-07	4.89E-09	1.62E-08	2.11E-08	2.63E-09	7.51E-09	1.01E-08
312	437951.54	3763488.08	2.77E-08	8.72E-08	1.15E-07	4.30E-09	1.42E-08	1.85E-08	2.32E-09	6.61E-09	8.92E-09
313	437939.41	3763492.68	2.67E-08	8.40E-08	1.11E-07	4.14E-09	1.37E-08	1.79E-08	2.23E-09	6.37E-09	8.60E-09
314	437927.29	3763497.28	2.62E-08	8.26E-08	1.09E-07	4.08E-09	1.35E-08	1.76E-08	2.20E-09	6.26E-09	8.46E-09
315	437915.17	3763501.89	2.52E-08	7.95E-08	1.05E-07	3.92E-09	1.30E-08	1.69E-08	2.11E-09	6.02E-09	8.13E-09
316	437903.04	3763506.49	2.42E-08	7.63E-08	1.01E-07	3.76E-09	1.25E-08	1.62E-08	2.03E-09	5.78E-09	7.81E-09
317	437890.92	3763511.09	2.27E-08	7.16E-08	9.44E-08	3.53E-09	1.17E-08	1.52E-08	1.90E-09	5.43E-09	7.33E-09
318	437878.79	3763515.69	2.18E-08	6.88E-08	9.06E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.21E-09	7.04E-09
319	437866.67	3763520.29	2.09E-08	6.59E-08	8.68E-08	3.25E-09	1.08E-08	1.40E-08	1.75E-09	4.99E-09	6.74E-09
320	437854.55	3763524.89	2.01E-08	6.32E-08	8.33E-08	3.12E-09	1.03E-08	1.35E-08	1.68E-09	4.79E-09	6.47E-09
321	437842.42	3763529.5	1.94E-08	6.10E-08	8.03E-08	3.01E-09	9.96E-09	1.30E-08	1.62E-09	4.62E-09	6.24E-09
322	437830.3	3763534.1	1.87E-08	5.89E-08	7.77E-08	2.91E-09	9.63E-09	1.25E-08	1.57E-09	4.47E-09	6.03E-09
323	437769.68	3763557.11	1.63E-08	5.13E-08	6.75E-08	2.53E-09	8.37E-09	1.09E-08	1.36E-09	3.88E-09	5.25E-09
324	437757.55	3763561.71	1.58E-08	4.99E-08	6.57E-08	2.46E-09	8.15E-09	1.06E-08	1.33E-09	3.78E-09	5.10E-09
325	437745.43	3763566.31	1.54E-08	4.86E-08	6.41E-08	2.40E-09	7.95E-09	1.03E-08	1.29E-09	3.69E-09	4.98E-09
326	437733.3	3763570.91	1.51E-08	4.75E-08	6.26E-08	2.34E-09	7.76E-09	1.01E-08	1.26E-09	3.60E-09	4.86E-09
327	437721.18	3763575.51	1.48E-08	4.65E-08	6.12E-08	2.29E-09	7.59E-09	9.88E-09	1.23E-09	3.52E-09	4.76E-09
328	437709.06	3763580.12	1.44E-08	4.55E-08	5.99E-08	2.24E-09	7.43E-09	9.67E-09	1.21E-09	3.45E-09	4.66E-09
329	437696.93	3763584.72	1.41E-08	4.45E-08	5.86E-08	2.20E-09	7.27E-09	9.47E-09	1.18E-09	3.37E-09	4.55E-09
330	437684.81	3763589.32	1.38E-08	4.35E-08	5.74E-08	2.15E-09	7.11E-09	9.26E-09	1.16E-09	3.30E-09	4.46E-09
331	437672.68	3763593.92	1.35E-08	4.26E-08	5.62E-08	2.10E-09	6.96E-09	9.07E-09	1.13E-09	3.23E-09	4.36E-09
332	437660.56	3763598.52	1.32E-08	4.16E-08	5.48E-08	2.05E-09	6.80E-09	8.85E-09	1.11E-09	3.15E-09	4.26E-09
333	437648.44	3763603.12	1.29E-08	4.06E-08	5.35E-08	2.01E-09	6.64E-09	8.64E-09	1.08E-09	3.08E-09	4.16E-09
334	437636.31	3763607.73	1.26E-08	3.97E-08	5.24E-08	1.96E-09	6.49E-09	8.45E-09	1.06E-09	3.01E-09	4.07E-09
335	437624.19	3763612.33	1.24E-08	3.90E-08	5.13E-08	1.92E-09	6.37E-09	8.29E-09	1.04E-09	2.95E-09	3.99E-09
336	437612.06	3763616.93	1.21E-08	3.82E-08	5.04E-08	1.89E-09	6.25E-09	8.13E-09	1.02E-09	2.90E-09	3.91E-09
337	438036.67	3763496.68	3.09E-08	9.73E-08	1.28E-07	4.80E-09	1.59E-08	2.07E-08	2.58E-09	7.37E-09	9.95E-09
338	438024.5	3763501.3	2.97E-08	9.35E-08	1.23E-07	4.61E-09	1.53E-08	1.99E-08	2.49E-09	7.09E-09	9.57E-09
339	438012.33	3763505.92	2.85E-08	8.98E-08	1.18E-07	4.43E-09	1.47E-08	1.91E-08	2.39E-09	6.81E-09	9.20E-09
340	438000.16	3763510.54	2.74E-08	8.63E-08	1.14E-07	4.26E-09	1.41E-08	1.84E-08	2.29E-09	6.54E-09	8.84E-09
341	437987.98	3763515.15	2.64E-08	8.30E-08	1.09E-07	4.10E-09	1.36E-08	1.77E-08	2.21E-09	6.29E-09	8.50E-09
342	437951.47	3763529.01	2.41E-08	7.60E-08	1.00E-07	3.75E-09	1.24E-08	1.62E-08	2.02E-09	5.76E-09	7.77E-09
343	437939.3	3763533.63	2.32E-08	7.32E-08	9.64E-08	3.61E-09	1.20E-08	1.56E-08	1.94E-09	5.54E-09	7.49E-09
344	437927.13	3763538.25	2.23E-08	7.02E-08	9.25E-08	3.47E-09	1.15E-08	1.49E-08	1.87E-09	5.32E-09	7.19E-09
345	437878.44	3763556.73	1.87E-08	5.88E-08	7.75E-08	2.90E-09	9.61E-09	1.25E-08	1.56E-09	4.46E-09	6.02E-09
346	437866.27	3763561.35	1.80E-08	5.68E-08	7.48E-08	2.80E-09	9.27E-09	1.21E-08	1.51E-09	4.30E-09	5.81E-09
347	437854.1	3763565.97	1.74E-08	5.49E-08	7.23E-08	2.71E-09	8.97E-09	1.17E-08	1.46E-09	4.16E-09	5.62E-09
348	437841.93	3763570.59	1.69E-08	5.33E-08	7.02E-08	2.63E-09	8.70E-09	1.13E-08	1.42E-09	4.04E-09	5.45E-09
349	437829.76	3763575.21	1.65E-08	5.18E-08	6.83E-08	2.56E-09	8.46E-09	1.10E-08	1.38E-09	3.93E-09	5.30E-09
350	437817.58	3763579.83	1.60E-08	5.04E-08	6.64E-08	2.49E-09	8.24E-09	1.07E-08	1.34E-09	3.82E-09	5.16E-09
351	437805.41	3763584.45	1.56E-08	4.90E-08	6.46E-08	2.42E-09	8.01E-09	1.04E-08	1.30E-09	3.72E-09	5.02E-09
352	437793.24	3763589.07	1.52E-08	4.77E-08	6.29E-08	2.36E-09	7.80E-09	1.02E-08	1.27E-09	3.62E-09	4.89E-09
353	437781.07	3763593.69	1.48E-08	4.65E-08	6.13E-08	2.29E-09	7.60E-09	9.89E-09	1.24E-09	3.52E-09	4.76E-09
354	437768.9	3763598.31	1.44E-08	4.54E-08	5.98E-08	2.24E-09	7.42E-09	9.65E-09	1.21E-09	3.44E-09	4.65E-09
355	437756.73	3763602.93	1.41E-08	4.44E-08	5.85E-08	2.19E-09	7.25E-09	9.44E-09	1.18E-09	3.36E-09	4.54E-09
356	437744.56	3763607.55	1.38E-08	4.35E-08	5.73E-08	2.14E-09	7.10E-09	9.25E-09	1.16E-09	3.29E-09	4.45E-09
357	437732.38	3763612.17	1.35E-08	4.26E-08	5.61E-08	2.10E-09	6.96E-09	9.06E-09	1.13E-09	3.23E-09	4.36E-09
358	437720.21	3763616.79	1.32E-08	4.17E-08	5.50E-08	2.06E-09	6.81E-09	8.87E-09	1.11E-09	3.16E-09	4.27E-09
359	437708.04	3763621.41	1.30E-08	4.08E-08	5.38E-08	2.01E-09	6.67E-09	8.68E-09	1.08E-09	3.09E-09	4.18E-09
360	437695.87	3763626.03	1.27E-08	3.99E-08	5.26E-08	1.97E-09	6.52E-09	8.49E-09	1.06E-09	3.03E-09	4.09E-09
361	437683.7	3763630.65	1.24E-08	3.90E-08	5.14E-08	1.92E-09	6.37E-09	8.29E-09	1.04E-09	2.95E-09	3.99E-09
362	437671.53	3763635.27	1.21E-08	3.80E-08	5.01E-08	1.88E-09	6.21E-09	8.09E-09	1.01E-09	2.88E-09	3.89E-09

363	437659.36	3763639.89	1.18E-08	3.72E-08	4.90E-08	1.83E-09	6.07E-09	7.91E-09	9.88E-10	2.82E-09	3.81E-09
364	437647.18	3763644.51	1.15E-08	3.64E-08	4.79E-08	1.79E-09	5.94E-09	7.74E-09	9.67E-10	2.76E-09	3.72E-09
365	437635.01	3763649.13	1.13E-08	3.56E-08	4.69E-08	1.76E-09	5.82E-09	7.58E-09	9.47E-10	2.70E-09	3.65E-09
366	437622.84	3763653.75	1.11E-08	3.50E-08	4.61E-08	1.72E-09	5.71E-09	7.44E-09	9.29E-10	2.65E-09	3.58E-09
367	437610.67	3763658.37	1.09E-08	3.43E-08	4.52E-08	1.69E-09	5.60E-09	7.29E-09	9.11E-10	2.60E-09	3.51E-09
368	438061.22	3763528.27	2.80E-08	8.80E-08	1.16E-07	4.34E-09	1.44E-08	1.87E-08	2.34E-09	6.67E-09	9.01E-09
369	438049.11	3763532.86	2.68E-08	8.44E-08	1.11E-07	4.17E-09	1.38E-08	1.80E-08	2.24E-09	6.40E-09	8.64E-09
370	438037	3763537.46	2.57E-08	8.08E-08	1.06E-07	3.99E-09	1.32E-08	1.72E-08	2.15E-09	6.12E-09	8.27E-09
371	437952.25	3763569.63	1.98E-08	6.25E-08	8.23E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.73E-09	6.39E-09
372	437940.14	3763574.22	1.92E-08	6.04E-08	7.96E-08	2.98E-09	9.87E-09	1.29E-08	1.61E-09	4.58E-09	6.19E-09
373	437928.04	3763578.82	1.85E-08	5.84E-08	7.69E-08	2.88E-09	9.54E-09	1.24E-08	1.55E-09	4.42E-09	5.98E-09
374	437915.93	3763583.41	1.80E-08	5.65E-08	7.45E-08	2.79E-09	9.23E-09	1.20E-08	1.50E-09	4.28E-09	5.79E-09
375	437903.82	3763588.01	1.74E-08	5.48E-08	7.22E-08	2.70E-09	8.95E-09	1.16E-08	1.46E-09	4.15E-09	5.61E-09
376	437891.71	3763592.6	1.69E-08	5.31E-08	7.00E-08	2.62E-09	8.68E-09	1.13E-08	1.41E-09	4.02E-09	5.44E-09
377	437879.61	3763597.2	1.64E-08	5.16E-08	6.79E-08	2.54E-09	8.42E-09	1.10E-08	1.37E-09	3.91E-09	5.28E-09
378	437867.5	3763601.79	1.59E-08	5.00E-08	6.59E-08	2.47E-09	8.17E-09	1.06E-08	1.33E-09	3.79E-09	5.12E-09
379	437855.39	3763606.39	1.54E-08	4.86E-08	6.40E-08	2.40E-09	7.93E-09	1.03E-08	1.29E-09	3.68E-09	4.97E-09
380	437843.28	3763610.98	1.50E-08	4.72E-08	6.22E-08	2.33E-09	7.72E-09	1.00E-08	1.26E-09	3.58E-09	4.84E-09
381	437831.18	3763615.58	1.46E-08	4.60E-08	6.06E-08	2.27E-09	7.52E-09	9.79E-09	1.22E-09	3.49E-09	4.71E-09
382	437819.07	3763620.17	1.42E-08	4.48E-08	5.91E-08	2.21E-09	7.32E-09	9.54E-09	1.19E-09	3.40E-09	4.59E-09
383	437806.96	3763624.77	1.39E-08	4.38E-08	5.78E-08	2.16E-09	7.16E-09	9.32E-09	1.17E-09	3.32E-09	4.49E-09
384	437794.86	3763629.37	1.36E-08	4.29E-08	5.65E-08	2.12E-09	7.01E-09	9.12E-09	1.14E-09	3.25E-09	4.39E-09
385	437782.75	3763633.96	1.33E-08	4.20E-08	5.53E-08	2.07E-09	6.86E-09	8.93E-09	1.12E-09	3.18E-09	4.30E-09
386	437770.64	3763638.56	1.31E-08	4.11E-08	5.42E-08	2.03E-09	6.72E-09	8.74E-09	1.09E-09	3.11E-09	4.21E-09
387	437758.53	3763643.15	1.28E-08	4.03E-08	5.31E-08	1.99E-09	6.58E-09	8.57E-09	1.07E-09	3.05E-09	4.12E-09
388	437746.43	3763647.75	1.25E-08	3.95E-08	5.21E-08	1.95E-09	6.46E-09	8.40E-09	1.05E-09	2.99E-09	4.04E-09
389	437734.32	3763652.34	1.23E-08	3.88E-08	5.11E-08	1.91E-09	6.33E-09	8.25E-09	1.03E-09	2.94E-09	3.97E-09
390	437722.21	3763656.94	1.21E-08	3.80E-08	5.00E-08	1.87E-09	6.20E-09	8.07E-09	1.01E-09	2.88E-09	3.89E-09
391	437710.1	3763661.53	1.18E-08	3.71E-08	4.89E-08	1.83E-09	6.06E-09	7.90E-09	9.87E-10	2.81E-09	3.80E-09
392	437698	3763666.13	1.15E-08	3.63E-08	4.78E-08	1.79E-09	5.93E-09	7.72E-09	9.65E-10	2.75E-09	3.71E-09
393	437685.89	3763670.72	1.13E-08	3.55E-08	4.67E-08	1.75E-09	5.80E-09	7.55E-09	9.43E-10	2.69E-09	3.63E-09
394	437613.25	3763698.3	9.96E-09	3.14E-08	4.13E-08	1.55E-09	5.12E-09	6.67E-09	8.33E-10	2.38E-09	3.21E-09
395	438085.73	3763559.87	2.51E-08	7.91E-08	1.04E-07	3.90E-09	1.29E-08	1.68E-08	2.10E-09	5.99E-09	8.09E-09
396	438073.58	3763564.48	2.41E-08	7.60E-08	1.00E-07	3.75E-09	1.24E-08	1.62E-08	2.02E-09	5.76E-09	7.78E-09
397	438061.43	3763569.09	2.32E-08	7.31E-08	9.63E-08	3.60E-09	1.19E-08	1.55E-08	1.94E-09	5.54E-09	7.48E-09
398	438049.27	3763573.71	2.23E-08	7.03E-08	9.26E-08	3.47E-09	1.15E-08	1.49E-08	1.87E-09	5.32E-09	7.19E-09
399	438037.12	3763578.32	2.15E-08	6.76E-08	8.90E-08	3.33E-09	1.10E-08	1.44E-08	1.80E-09	5.12E-09	6.92E-09
400	438024.97	3763582.93	2.06E-08	6.50E-08	8.57E-08	3.21E-09	1.06E-08	1.38E-08	1.73E-09	4.93E-09	6.66E-09
401	438012.82	3763587.54	1.99E-08	6.26E-08	8.25E-08	3.09E-09	1.02E-08	1.33E-08	1.66E-09	4.75E-09	6.41E-09
402	438000.67	3763592.15	1.92E-08	6.04E-08	7.96E-08	2.98E-09	9.87E-09	1.28E-08	1.61E-09	4.58E-09	6.18E-09
403	437988.52	3763596.77	1.86E-08	5.85E-08	7.71E-08	2.89E-09	9.56E-09	1.24E-08	1.55E-09	4.43E-09	5.99E-09
404	437952.07	3763610.6	1.70E-08	5.36E-08	7.06E-08	2.64E-09	8.76E-09	1.14E-08	1.42E-09	4.06E-09	5.49E-09
405	437939.92	3763615.21	1.66E-08	5.22E-08	6.87E-08	2.57E-09	8.52E-09	1.11E-08	1.39E-09	3.95E-09	5.34E-09
406	437927.77	3763619.83	1.61E-08	5.07E-08	6.69E-08	2.50E-09	8.29E-09	1.08E-08	1.35E-09	3.85E-09	5.19E-09
407	437915.61	3763624.44	1.57E-08	4.95E-08	6.52E-08	2.44E-09	8.08E-09	1.05E-08	1.32E-09	3.75E-09	5.07E-09
408	437903.46	3763629.05	1.53E-08	4.82E-08	6.35E-08	2.38E-09	7.88E-09	1.03E-08	1.28E-09	3.65E-09	4.94E-09
409	437891.31	3763633.66	1.49E-08	4.70E-08	6.19E-08	2.32E-09	7.68E-09	9.99E-09	1.25E-09	3.56E-09	4.81E-09
410	437879.16	3763638.27	1.45E-08	4.58E-08	6.03E-08	2.26E-09	7.48E-09	9.74E-09	1.22E-09	3.47E-09	4.69E-09
411	437867.01	3763642.89	1.41E-08	4.45E-08	5.86E-08	2.20E-09	7.27E-09	9.47E-09	1.18E-09	3.37E-09	4.55E-09
412	437854.86	3763647.5	1.37E-08	4.33E-08	5.70E-08	2.14E-09	7.07E-09	9.21E-09	1.15E-09	3.28E-09	4.43E-09
413	437842.71	3763652.11	1.34E-08	4.23E-08	5.57E-08	2.08E-09	6.90E-09	8.99E-09	1.12E-09	3.20E-09	4.33E-09
414	437830.56	3763656.72	1.31E-08	4.14E-08	5.45E-08	2.04E-09	6.76E-09	8.80E-09	1.10E-09	3.13E-09	4.23E-09
415	437818.41	3763661.33	1.29E-08	4.05E-08	5.33E-08	2.00E-09	6.61E-09	8.61E-09	1.08E-09	3.07E-09	4.14E-09
416	437806.26	3763665.95	1.26E-08	3.96E-08	5.22E-08	1.95E-09	6.47E-09	8.43E-09	1.05E-09	3.00E-09	4.06E-09
417	437794.11	3763670.56	1.23E-08	3.88E-08	5.11E-08	1.91E-09	6.34E-09	8.25E-09	1.03E-09	2.94E-09	3.97E-09
418	437721.2	3763698.23	1.10E-08	3.45E-08	4.55E-08	1.70E-09	5.64E-09	7.34E-09	9.18E-10	2.62E-09	3.53E-09
419	437709.05	3763702.84	1.08E-08	3.39E-08	4.46E-08	1.67E-09	5.53E-09	7.20E-09	9.00E-10	2.57E-09	3.47E-09
420	437696.9	3763707.45	1.06E-08	3.32E-08	4.38E-08	1.64E-09	5.43E-09	7.07E-09	8.83E-10	2.52E-09	3.40E-09
421	437684.75	3763712.07	1.03E-08	3.26E-08	4.29E-08	1.61E-09	5.32E-09	6.92E-09	8.65E-10	2.47E-09	3.33E-09
422	437672.6	3763716.68	1.01E-08	3.19E-08	4.20E-08	1.57E-09	5.21E-09	6.78E-09	8.47E-10	2.41E-09	3.26E-09
423	437660.45	3763721.29	9.91E-09	3.12E-08	4.11E-08	1.54E-09	5.10E-09	6.64E-09	8.29E-10	2.36E-09	3.19E-09

424	437648.29	3763725.9	9.71E-09	3.06E-08	4.03E-08	1.51E-09	5.00E-09	6.50E-09	8.13E-10	2.32E-09	3.13E-09
425	437636.14	3763730.51	9.53E-09	3.00E-08	3.95E-08	1.48E-09	4.90E-09	6.38E-09	7.98E-10	2.27E-09	3.07E-09
426	437623.99	3763735.12	9.36E-09	2.95E-08	3.88E-08	1.45E-09	4.81E-09	6.27E-09	7.83E-10	2.23E-09	3.02E-09
427	437611.84	3763739.74	9.19E-09	2.90E-08	3.81E-08	1.43E-09	4.73E-09	6.16E-09	7.69E-10	2.19E-09	2.96E-09
428	438110.24	3763591.47	2.31E-08	7.26E-08	9.57E-08	3.58E-09	1.19E-08	1.55E-08	1.93E-09	5.50E-09	7.44E-09
429	438098.05	3763596.1	2.22E-08	7.00E-08	9.22E-08	3.45E-09	1.14E-08	1.49E-08	1.86E-09	5.30E-09	7.16E-09
430	438085.86	3763600.73	2.14E-08	6.74E-08	8.88E-08	3.33E-09	1.10E-08	1.43E-08	1.79E-09	5.11E-09	6.90E-09
431	438073.67	3763605.36	2.06E-08	6.49E-08	8.55E-08	3.20E-09	1.06E-08	1.38E-08	1.72E-09	4.92E-09	6.64E-09
432	438061.48	3763609.98	1.98E-08	6.24E-08	8.23E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.73E-09	6.39E-09
433	438049.29	3763614.61	1.91E-08	6.02E-08	7.93E-08	2.97E-09	9.83E-09	1.28E-08	1.60E-09	4.56E-09	6.16E-09
434	438037.09	3763619.24	1.84E-08	5.80E-08	7.64E-08	2.86E-09	9.48E-09	1.23E-08	1.54E-09	4.40E-09	5.94E-09
435	438024.9	3763623.86	1.78E-08	5.61E-08	7.39E-08	2.77E-09	9.16E-09	1.19E-08	1.49E-09	4.25E-09	5.74E-09
436	438012.71	3763628.49	1.73E-08	5.44E-08	7.17E-08	2.68E-09	8.88E-09	1.16E-08	1.45E-09	4.12E-09	5.57E-09
437	438000.52	3763633.12	1.68E-08	5.28E-08	6.96E-08	2.61E-09	8.63E-09	1.12E-08	1.40E-09	4.00E-09	5.41E-09
438	437988.33	3763637.75	1.63E-08	5.14E-08	6.78E-08	2.54E-09	8.40E-09	1.09E-08	1.37E-09	3.90E-09	5.27E-09
439	437951.76	3763651.63	1.52E-08	4.78E-08	6.30E-08	2.36E-09	7.81E-09	1.02E-08	1.27E-09	3.62E-09	4.89E-09
440	437939.57	3763656.26	1.48E-08	4.66E-08	6.13E-08	2.30E-09	7.60E-09	9.90E-09	1.24E-09	3.53E-09	4.76E-09
441	437927.37	3763660.88	1.44E-08	4.53E-08	5.97E-08	2.24E-09	7.40E-09	9.64E-09	1.20E-09	3.43E-09	4.64E-09
442	437915.18	3763665.51	1.40E-08	4.41E-08	5.82E-08	2.18E-09	7.21E-09	9.39E-09	1.17E-09	3.35E-09	4.52E-09
443	437902.99	3763670.14	1.37E-08	4.31E-08	5.67E-08	2.12E-09	7.04E-09	9.16E-09	1.14E-09	3.26E-09	4.41E-09
444	437829.85	3763697.9	1.19E-08	3.75E-08	4.94E-08	1.85E-09	6.13E-09	7.98E-09	9.97E-10	2.84E-09	3.84E-09
445	437817.66	3763702.53	1.17E-08	3.67E-08	4.84E-08	1.81E-09	6.00E-09	7.81E-09	9.76E-10	2.78E-09	3.76E-09
446	437805.46	3763707.15	1.14E-08	3.60E-08	4.74E-08	1.77E-09	5.87E-09	7.65E-09	9.56E-10	2.73E-09	3.68E-09
447	437793.27	3763711.78	1.12E-08	3.52E-08	4.64E-08	1.74E-09	5.76E-09	7.49E-09	9.36E-10	2.67E-09	3.61E-09
448	437781.08	3763716.41	1.10E-08	3.46E-08	4.55E-08	1.70E-09	5.64E-09	7.35E-09	9.18E-10	2.62E-09	3.54E-09
449	437768.89	3763721.04	1.08E-08	3.39E-08	4.47E-08	1.67E-09	5.54E-09	7.21E-09	9.01E-10	2.57E-09	3.47E-09
450	437756.7	3763725.66	1.06E-08	3.33E-08	4.39E-08	1.64E-09	5.44E-09	7.08E-09	8.85E-10	2.52E-09	3.41E-09
451	437744.51	3763730.29	1.04E-08	3.27E-08	4.31E-08	1.62E-09	5.35E-09	6.96E-09	8.70E-10	2.48E-09	3.35E-09
452	437732.32	3763734.92	1.02E-08	3.22E-08	4.24E-08	1.59E-09	5.26E-09	6.85E-09	8.56E-10	2.44E-09	3.29E-09
453	437720.13	3763739.54	1.00E-08	3.16E-08	4.16E-08	1.56E-09	5.16E-09	6.72E-09	8.40E-10	2.39E-09	3.23E-09
454	437707.94	3763744.17	9.84E-09	3.10E-08	4.08E-08	1.53E-09	5.06E-09	6.59E-09	8.23E-10	2.35E-09	3.17E-09
455	437695.75	3763748.8	9.64E-09	3.04E-08	4.00E-08	1.50E-09	4.96E-09	6.46E-09	8.07E-10	2.30E-09	3.11E-09
456	437683.55	3763753.43	9.47E-09	2.98E-08	3.93E-08	1.47E-09	4.87E-09	6.34E-09	7.92E-10	2.26E-09	3.05E-09
457	437671.36	3763758.05	9.30E-09	2.93E-08	3.86E-08	1.44E-09	4.78E-09	6.23E-09	7.78E-10	2.22E-09	3.00E-09
458	437659.17	3763762.68	9.13E-09	2.87E-08	3.79E-08	1.42E-09	4.70E-09	6.11E-09	7.64E-10	2.18E-09	2.94E-09
459	437646.98	3763767.31	8.96E-09	2.82E-08	3.72E-08	1.39E-09	4.61E-09	6.00E-09	7.50E-10	2.14E-09	2.89E-09
460	437634.79	3763771.93	8.80E-09	2.77E-08	3.65E-08	1.37E-09	4.53E-09	5.89E-09	7.36E-10	2.10E-09	2.84E-09
461	437622.6	3763776.56	8.65E-09	2.72E-08	3.59E-08	1.34E-09	4.45E-09	5.79E-09	7.24E-10	2.06E-09	2.79E-09
462	438134.78	3763623.07	2.13E-08	6.70E-08	8.83E-08	3.31E-09	1.09E-08	1.43E-08	1.78E-09	5.08E-09	6.86E-09
463	438122.65	3763627.67	2.05E-08	6.46E-08	8.51E-08	3.19E-09	1.06E-08	1.37E-08	1.72E-09	4.89E-09	6.61E-09
464	438110.52	3763632.28	1.98E-08	6.24E-08	8.22E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.73E-09	6.39E-09
465	438098.38	3763636.88	1.92E-08	6.03E-08	7.95E-08	2.98E-09	9.86E-09	1.28E-08	1.60E-09	4.57E-09	6.18E-09
466	438086.25	3763641.49	1.85E-08	5.83E-08	7.68E-08	2.88E-09	9.52E-09	1.24E-08	1.55E-09	4.42E-09	5.97E-09
467	438074.12	3763646.09	1.78E-08	5.61E-08	7.39E-08	2.77E-09	9.17E-09	1.19E-08	1.49E-09	4.25E-09	5.74E-09
468	438061.98	3763650.7	1.72E-08	5.40E-08	7.12E-08	2.67E-09	8.83E-09	1.15E-08	1.44E-09	4.10E-09	5.53E-09
469	438049.85	3763655.3	1.66E-08	5.22E-08	6.88E-08	2.58E-09	8.53E-09	1.11E-08	1.39E-09	3.95E-09	5.34E-09
470	438037.71	3763659.91	1.60E-08	5.05E-08	6.66E-08	2.49E-09	8.25E-09	1.07E-08	1.34E-09	3.83E-09	5.17E-09
471	438025.58	3763664.52	1.56E-08	4.90E-08	6.46E-08	2.42E-09	8.01E-09	1.04E-08	1.30E-09	3.71E-09	5.02E-09
472	437940.64	3763696.75	1.30E-08	4.10E-08	5.40E-08	2.02E-09	6.69E-09	8.71E-09	1.09E-09	3.10E-09	4.19E-09
473	437928.51	3763701.36	1.27E-08	4.00E-08	5.27E-08	1.97E-09	6.53E-09	8.50E-09	1.06E-09	3.03E-09	4.09E-09
474	437916.37	3763705.97	1.24E-08	3.91E-08	5.15E-08	1.93E-09	6.38E-09	8.31E-09	1.04E-09	2.96E-09	4.00E-09
475	437904.24	3763710.57	1.21E-08	3.82E-08	5.04E-08	1.89E-09	6.25E-09	8.14E-09	1.02E-09	2.90E-09	3.91E-09
476	437892.11	3763715.18	1.19E-08	3.75E-08	4.94E-08	1.85E-09	6.13E-09	7.98E-09	9.97E-10	2.84E-09	3.84E-09
477	437879.97	3763719.78	1.17E-08	3.68E-08	4.85E-08	1.82E-09	6.01E-09	7.82E-09	9.78E-10	2.79E-09	3.77E-09
478	437867.84	3763724.39	1.15E-08	3.61E-08	4.76E-08	1.78E-09	5.90E-09	7.69E-09	9.60E-10	2.74E-09	3.70E-09
479	437855.7	3763728.99	1.13E-08	3.55E-08	4.67E-08	1.75E-09	5.80E-09	7.55E-09	9.43E-10	2.69E-09	3.63E-09
480	437843.57	3763733.6	1.11E-08	3.48E-08	4.59E-08	1.72E-09	5.69E-09	7.41E-09	9.26E-10	2.64E-09	3.56E-09
481	437831.44	3763738.2	1.09E-08	3.42E-08	4.51E-08	1.69E-09	5.59E-09	7.27E-09	9.09E-10	2.59E-09	3.50E-09
482	437819.3	3763742.81	1.07E-08	3.36E-08	4.42E-08	1.66E-09	5.48E-09	7.14E-09	8.92E-10	2.54E-09	3.44E-09
483	437807.17	3763747.41	1.05E-08	3.29E-08	4.34E-08	1.62E-09	5.38E-09	7.00E-09	8.75E-10	2.49E-09	3.37E-09
484	437795.03	3763752.02	1.03E-08	3.23E-08	4.25E-08	1.59E-09	5.28E-09	6.87E-09	8.58E-10	2.45E-09	3.31E-09

485	437782.9	3763756.63	1.01E-08	3.17E-08	4.18E-08	1.57E-09	5.18E-09	6.75E-09	8.43E-10	2.40E-09	3.25E-09
486	437770.77	3763761.23	9.89E-09	3.12E-08	4.10E-08	1.54E-09	5.09E-09	6.63E-09	8.28E-10	2.36E-09	3.19E-09
487	437758.63	3763765.84	9.72E-09	3.06E-08	4.03E-08	1.51E-09	5.00E-09	6.51E-09	8.14E-10	2.32E-09	3.13E-09
488	437746.5	3763770.44	9.55E-09	3.01E-08	3.96E-08	1.48E-09	4.91E-09	6.40E-09	7.99E-10	2.28E-09	3.08E-09
489	437734.37	3763775.05	9.38E-09	2.96E-08	3.89E-08	1.46E-09	4.83E-09	6.29E-09	7.85E-10	2.24E-09	3.02E-09
490	437722.23	3763779.65	9.23E-09	2.91E-08	3.83E-08	1.43E-09	4.75E-09	6.18E-09	7.72E-10	2.20E-09	2.97E-09
491	437710.1	3763784.26	9.08E-09	2.86E-08	3.77E-08	1.41E-09	4.67E-09	6.08E-09	7.60E-10	2.17E-09	2.93E-09
492	437697.96	3763788.86	8.94E-09	2.82E-08	3.71E-08	1.39E-09	4.60E-09	5.99E-09	7.48E-10	2.13E-09	2.88E-09
493	437685.83	3763793.47	8.79E-09	2.77E-08	3.65E-08	1.37E-09	4.52E-09	5.89E-09	7.36E-10	2.10E-09	2.83E-09
494	437673.7	3763798.08	8.66E-09	2.73E-08	3.59E-08	1.35E-09	4.46E-09	5.80E-09	7.25E-10	2.07E-09	2.79E-09
495	437661.56	3763802.68	8.52E-09	2.68E-08	3.53E-08	1.32E-09	4.38E-09	5.70E-09	7.13E-10	2.03E-09	2.75E-09
496	437649.43	3763807.29	8.37E-09	2.64E-08	3.47E-08	1.30E-09	4.31E-09	5.61E-09	7.01E-10	2.00E-09	2.70E-09
497	437637.29	3763811.89	8.23E-09	2.59E-08	3.42E-08	1.28E-09	4.23E-09	5.51E-09	6.89E-10	1.96E-09	2.65E-09
498	437625.16	3763816.5	8.09E-09	2.55E-08	3.36E-08	1.26E-09	4.16E-09	5.42E-09	6.77E-10	1.93E-09	2.61E-09
499	438159.3	3763654.67	1.97E-08	6.20E-08	8.17E-08	3.06E-09	1.01E-08	1.32E-08	1.65E-09	4.70E-09	6.35E-09
500	438147.13	3763659.29	1.90E-08	5.99E-08	7.89E-08	2.95E-09	9.78E-09	1.27E-08	1.59E-09	4.54E-09	6.13E-09
501	438134.96	3763663.91	1.84E-08	5.78E-08	7.62E-08	2.85E-09	9.44E-09	1.23E-08	1.54E-09	4.38E-09	5.92E-09
502	438122.78	3763668.53	1.77E-08	5.58E-08	7.35E-08	2.75E-09	9.12E-09	1.19E-08	1.48E-09	4.23E-09	5.71E-09
503	438037.58	3763700.87	1.40E-08	4.42E-08	5.82E-08	2.18E-09	7.22E-09	9.40E-09	1.17E-09	3.35E-09	4.52E-09
504	438025.41	3763705.49	1.37E-08	4.30E-08	5.66E-08	2.12E-09	7.02E-09	9.14E-09	1.14E-09	3.26E-09	4.40E-09
505	438013.24	3763710.11	1.33E-08	4.18E-08	5.51E-08	2.06E-09	6.83E-09	8.89E-09	1.11E-09	3.17E-09	4.28E-09
506	438001.07	3763714.73	1.29E-08	4.07E-08	5.36E-08	2.01E-09	6.64E-09	8.65E-09	1.08E-09	3.08E-09	4.16E-09
507	437988.9	3763719.35	1.26E-08	3.98E-08	5.24E-08	1.96E-09	6.50E-09	8.46E-09	1.06E-09	3.01E-09	4.07E-09
508	437976.73	3763723.97	1.24E-08	3.90E-08	5.14E-08	1.92E-09	6.37E-09	8.29E-09	1.04E-09	2.95E-09	3.99E-09
509	437940.21	3763737.82	1.16E-08	3.65E-08	4.81E-08	1.80E-09	5.96E-09	7.76E-09	9.70E-10	2.77E-09	3.74E-09
510	437928.04	3763742.44	1.14E-08	3.58E-08	4.72E-08	1.77E-09	5.85E-09	7.62E-09	9.52E-10	2.71E-09	3.67E-09
511	437915.87	3763747.06	1.12E-08	3.52E-08	4.63E-08	1.73E-09	5.74E-09	7.48E-09	9.35E-10	2.66E-09	3.60E-09
512	437903.7	3763751.68	1.10E-08	3.45E-08	4.55E-08	1.70E-09	5.64E-09	7.34E-09	9.18E-10	2.62E-09	3.53E-09
513	437891.53	3763756.3	1.08E-08	3.39E-08	4.47E-08	1.67E-09	5.54E-09	7.21E-09	9.01E-10	2.57E-09	3.47E-09
514	437879.36	3763760.92	1.06E-08	3.33E-08	4.39E-08	1.64E-09	5.44E-09	7.08E-09	8.85E-10	2.52E-09	3.41E-09
515	437867.19	3763765.54	1.04E-08	3.27E-08	4.31E-08	1.61E-09	5.34E-09	6.95E-09	8.69E-10	2.48E-09	3.35E-09
516	437855.01	3763770.16	1.02E-08	3.21E-08	4.23E-08	1.58E-09	5.24E-09	6.83E-09	8.53E-10	2.43E-09	3.29E-09
517	437842.84	3763774.78	1.00E-08	3.16E-08	4.16E-08	1.56E-09	5.16E-09	6.72E-09	8.40E-10	2.39E-09	3.23E-09
518	437830.67	3763779.4	9.87E-09	3.11E-08	4.09E-08	1.53E-09	5.08E-09	6.61E-09	8.26E-10	2.35E-09	3.18E-09
519	437818.5	3763784.02	9.71E-09	3.06E-08	4.03E-08	1.51E-09	4.99E-09	6.50E-09	8.12E-10	2.32E-09	3.13E-09
520	437806.33	3763788.64	9.55E-09	3.01E-08	3.96E-08	1.48E-09	4.91E-09	6.40E-09	7.99E-10	2.28E-09	3.08E-09
521	437794.16	3763793.26	9.40E-09	2.96E-08	3.90E-08	1.46E-09	4.84E-09	6.30E-09	7.87E-10	2.24E-09	3.03E-09
522	437781.99	3763797.88	9.25E-09	2.91E-08	3.84E-08	1.44E-09	4.76E-09	6.20E-09	7.74E-10	2.21E-09	2.98E-09
523	437769.81	3763802.5	9.11E-09	2.87E-08	3.78E-08	1.41E-09	4.68E-09	6.10E-09	7.62E-10	2.17E-09	2.94E-09
524	437757.64	3763807.12	8.96E-09	2.82E-08	3.72E-08	1.39E-09	4.61E-09	6.00E-09	7.50E-10	2.14E-09	2.89E-09
525	437745.47	3763811.74	8.82E-09	2.78E-08	3.66E-08	1.37E-09	4.54E-09	5.91E-09	7.38E-10	2.10E-09	2.84E-09
526	437733.3	3763816.36	8.69E-09	2.74E-08	3.60E-08	1.35E-09	4.47E-09	5.82E-09	7.27E-10	2.07E-09	2.80E-09
527	437721.13	3763820.98	8.56E-09	2.70E-08	3.55E-08	1.33E-09	4.40E-09	5.73E-09	7.16E-10	2.04E-09	2.76E-09
528	437708.96	3763825.6	8.44E-09	2.66E-08	3.50E-08	1.31E-09	4.34E-09	5.65E-09	7.06E-10	2.01E-09	2.72E-09
529	437696.79	3763830.22	8.32E-09	2.62E-08	3.45E-08	1.29E-09	4.28E-09	5.57E-09	6.97E-10	1.99E-09	2.68E-09
530	437684.61	3763834.84	8.19E-09	2.58E-08	3.40E-08	1.27E-09	4.21E-09	5.48E-09	6.85E-10	1.95E-09	2.64E-09
531	437672.44	3763839.46	8.05E-09	2.54E-08	3.34E-08	1.25E-09	4.14E-09	5.39E-09	6.74E-10	1.92E-09	2.60E-09
532	437660.27	3763844.08	7.91E-09	2.49E-08	3.28E-08	1.23E-09	4.07E-09	5.30E-09	6.62E-10	1.89E-09	2.55E-09
533	437648.1	3763848.7	7.77E-09	2.45E-08	3.22E-08	1.21E-09	4.00E-09	5.21E-09	6.50E-10	1.85E-09	2.50E-09
534	437635.93	3763853.32	7.64E-09	2.41E-08	3.17E-08	1.19E-09	3.93E-09	5.12E-09	6.40E-10	1.82E-09	2.46E-09
535	437623.76	3763857.94	7.53E-09	2.37E-08	3.12E-08	1.17E-09	3.87E-09	5.04E-09	6.30E-10	1.80E-09	2.43E-09
536	437600.96	3762896.57	2.70E-06	8.50E-06	1.12E-05	4.20E-07	1.39E-06	1.81E-06	2.26E-07	6.44E-07	8.70E-07
537	437593.07	3762905.06	2.37E-06	7.46E-06	9.82E-06	3.68E-07	1.22E-06	1.59E-06	1.98E-07	5.65E-07	7.63E-07
538	437609.36	3762902.03	2.36E-06	7.43E-06	9.80E-06	3.67E-07	1.21E-06	1.58E-06	1.98E-07	5.63E-07	7.61E-07
539	437601.69	3762910.29	2.10E-06	6.63E-06	8.73E-06	3.27E-07	1.08E-06	1.41E-06	1.76E-07	5.02E-07	6.78E-07
540	437617.74	3762907.52	2.09E-06	6.59E-06	8.68E-06	3.25E-07	1.08E-06	1.40E-06	1.75E-07	4.99E-07	6.74E-07
541	437610.22	3762915.6	1.88E-06	5.93E-06	7.81E-06	2.93E-07	9.69E-07	1.26E-06	1.58E-07	4.49E-07	6.07E-07
542	437626.1	3762913.02	1.87E-06	5.89E-06	7.76E-06	2.90E-07	9.62E-07	1.25E-06	1.56E-07	4.46E-07	6.03E-07
543	437618.7	3762920.98	1.70E-06	5.34E-06	7.03E-06	2.63E-07	8.72E-07	1.14E-06	1.42E-07	4.05E-07	5.46E-07
544	437634.15	3762918.85	1.68E-06	5.28E-06	6.95E-06	2.60E-07	8.62E-07	1.12E-06	1.40E-07	4.00E-07	5.40E-07
545	437650.91	3762929.82	1.38E-06	4.35E-06	5.73E-06	2.15E-07	7.11E-07	9.26E-07	1.16E-07	3.30E-07	4.45E-07

546	437650.65	3762959.08	9.54E-07	3.01E-06	3.96E-06	1.48E-07	4.91E-07	6.39E-07	7.99E-08	2.28E-07	3.08E-07
547	437642.28	3762968.08	8.47E-07	2.67E-06	3.51E-06	1.32E-07	4.36E-07	5.67E-07	7.09E-08	2.02E-07	2.73E-07
548	437676.04	3762960.76	9.12E-07	2.87E-06	3.78E-06	1.42E-07	4.69E-07	6.11E-07	7.63E-08	2.18E-07	2.94E-07
549	437667.95	3762969.47	8.29E-07	2.61E-06	3.44E-06	1.29E-07	4.26E-07	5.55E-07	6.93E-08	1.98E-07	2.67E-07
550	437659.85	3762978.18	7.46E-07	2.35E-06	3.09E-06	1.16E-07	3.84E-07	5.00E-07	6.24E-08	1.78E-07	2.40E-07
551	437700.85	3762963.07	8.54E-07	2.69E-06	3.54E-06	1.33E-07	4.39E-07	5.72E-07	7.15E-08	2.04E-07	2.75E-07
552	437692.96	3762971.56	7.93E-07	2.50E-06	3.29E-06	1.23E-07	4.08E-07	5.31E-07	6.64E-08	1.89E-07	2.56E-07
553	437685.07	3762980.05	7.28E-07	2.29E-06	3.02E-06	1.13E-07	3.75E-07	4.88E-07	6.10E-08	1.74E-07	2.35E-07
554	437677.17	3762988.53	6.62E-07	2.08E-06	2.75E-06	1.03E-07	3.41E-07	4.43E-07	5.54E-08	1.58E-07	2.13E-07
555	437669.28	3762997.02	5.96E-07	1.88E-06	2.47E-06	9.26E-08	3.07E-07	3.99E-07	4.99E-08	1.42E-07	1.92E-07
556	437709.17	3762983.11	6.91E-07	2.18E-06	2.87E-06	1.07E-07	3.56E-07	4.63E-07	5.79E-08	1.65E-07	2.23E-07
557	437700.95	3762991.95	6.36E-07	2.00E-06	2.64E-06	9.88E-08	3.27E-07	4.26E-07	5.32E-08	1.52E-07	2.05E-07
558	437692.72	3763000.8	5.78E-07	1.82E-06	2.40E-06	8.99E-08	2.98E-07	3.87E-07	4.84E-08	1.38E-07	1.86E-07
559	437684.5	3763009.64	5.22E-07	1.64E-06	2.16E-06	8.10E-08	2.68E-07	3.49E-07	4.37E-08	1.24E-07	1.68E-07
560	437709.98	3763011.22	5.19E-07	1.64E-06	2.16E-06	8.07E-08	2.67E-07	3.48E-07	4.35E-08	1.24E-07	1.67E-07
561	437701.94	3763019.87	4.73E-07	1.49E-06	1.96E-06	7.35E-08	2.43E-07	3.17E-07	3.96E-08	1.13E-07	1.52E-07
562	437750.66	3762996.46	5.78E-07	1.82E-06	2.40E-06	8.97E-08	2.97E-07	3.87E-07	4.83E-08	1.38E-07	1.86E-07
563	437742.35	3763005.4	5.42E-07	1.71E-06	2.25E-06	8.42E-08	2.79E-07	3.63E-07	4.54E-08	1.29E-07	1.75E-07
564	437767.36	3763007.49	5.14E-07	1.62E-06	2.13E-06	7.99E-08	2.65E-07	3.44E-07	4.30E-08	1.23E-07	1.66E-07
565	437759.22	3763016.25	4.85E-07	1.53E-06	2.01E-06	7.53E-08	2.49E-07	3.25E-07	4.06E-08	1.16E-07	1.56E-07
566	437751.08	3763025.01	4.52E-07	1.42E-06	1.87E-06	7.02E-08	2.32E-07	3.02E-07	3.78E-08	1.08E-07	1.46E-07
567	437742.93	3763033.76	4.15E-07	1.31E-06	1.72E-06	6.45E-08	2.14E-07	2.78E-07	3.48E-08	9.91E-08	1.34E-07
568	437783.94	3763018.65	4.59E-07	1.45E-06	1.90E-06	7.13E-08	2.36E-07	3.08E-07	3.84E-08	1.10E-07	1.48E-07
569	437775.57	3763027.66	4.32E-07	1.36E-06	1.79E-06	6.71E-08	2.22E-07	2.89E-07	3.62E-08	1.03E-07	1.39E-07
570	437767.19	3763036.66	4.02E-07	1.27E-06	1.67E-06	6.25E-08	2.07E-07	2.69E-07	3.37E-08	9.60E-08	1.30E-07
571	437758.82	3763045.66	3.71E-07	1.17E-06	1.54E-06	5.76E-08	1.91E-07	2.48E-07	3.10E-08	8.85E-08	1.19E-07
572	437750.45	3763054.67	3.39E-07	1.07E-06	1.41E-06	5.26E-08	1.74E-07	2.27E-07	2.84E-08	8.09E-08	1.09E-07
573	437742.08	3763063.67	3.08E-07	9.70E-07	1.28E-06	4.79E-08	1.58E-07	2.06E-07	2.58E-08	7.35E-08	9.93E-08
574	437800.64	3763029.68	4.14E-07	1.30E-06	1.72E-06	6.43E-08	2.13E-07	2.77E-07	3.46E-08	9.87E-08	1.33E-07
575	437792.41	3763038.52	3.90E-07	1.23E-06	1.62E-06	6.06E-08	2.01E-07	2.61E-07	3.26E-08	9.31E-08	1.26E-07
576	437784.19	3763047.37	3.65E-07	1.15E-06	1.51E-06	5.67E-08	1.88E-07	2.44E-07	3.05E-08	8.71E-08	1.18E-07
577	437775.97	3763056.21	3.38E-07	1.07E-06	1.40E-06	5.26E-08	1.74E-07	2.27E-07	2.83E-08	8.08E-08	1.09E-07
578	437767.74	3763065.05	3.12E-07	9.81E-07	1.29E-06	4.84E-08	1.60E-07	2.09E-07	2.61E-08	7.44E-08	1.00E-07
579	437759.52	3763073.9	2.85E-07	8.98E-07	1.18E-06	4.43E-08	1.47E-07	1.91E-07	2.39E-08	6.81E-08	9.19E-08
580	437751.3	3763082.74	2.60E-07	8.18E-07	1.08E-06	4.04E-08	1.34E-07	1.74E-07	2.17E-08	6.20E-08	8.37E-08
581	437743.08	3763091.59	2.36E-07	7.43E-07	9.78E-07	3.66E-08	1.21E-07	1.58E-07	1.97E-08	5.63E-08	7.60E-08
582	437808.87	3763064.31	3.17E-07	1.00E-06	1.32E-06	4.93E-08	1.63E-07	2.13E-07	2.66E-08	7.57E-08	1.02E-07
583	437800.52	3763073.29	2.95E-07	9.30E-07	1.23E-06	4.59E-08	1.52E-07	1.98E-07	2.47E-08	7.05E-08	9.52E-08
584	437792.17	3763082.27	2.73E-07	8.59E-07	1.13E-06	4.24E-08	1.40E-07	1.83E-07	2.28E-08	6.51E-08	8.79E-08
585	437783.82	3763091.25	2.51E-07	7.91E-07	1.04E-06	3.90E-08	1.29E-07	1.68E-07	2.10E-08	5.99E-08	8.09E-08
586	437775.47	3763100.23	2.30E-07	7.23E-07	9.53E-07	3.57E-08	1.18E-07	1.54E-07	1.92E-08	5.48E-08	7.40E-08
587	437767.12	3763109.21	2.09E-07	6.58E-07	8.67E-07	3.25E-08	1.08E-07	1.40E-07	1.75E-08	4.99E-08	6.74E-08
588	437758.77	3763118.19	1.90E-07	5.98E-07	7.88E-07	2.95E-08	9.76E-08	1.27E-07	1.59E-08	4.53E-08	6.12E-08
589	437793.44	3763124.39	1.92E-07	6.06E-07	7.98E-07	2.99E-08	9.90E-08	1.29E-07	1.61E-08	4.59E-08	6.20E-08
590	437785.27	3763133.17	1.76E-07	5.54E-07	7.30E-07	2.73E-08	9.05E-08	1.18E-07	1.47E-08	4.20E-08	5.67E-08
591	437777.1	3763141.95	1.61E-07	5.06E-07	6.67E-07	2.50E-08	8.27E-08	1.08E-07	1.35E-08	3.84E-08	5.18E-08
592	437875.54	3763079.57	2.77E-07	8.72E-07	1.15E-06	4.30E-08	1.43E-07	1.86E-07	2.32E-08	6.61E-08	8.93E-08
593	437858.98	3763097.37	2.51E-07	7.90E-07	1.04E-06	3.90E-08	1.29E-07	1.68E-07	2.10E-08	5.98E-08	8.08E-08
594	437850.71	3763106.27	2.37E-07	7.46E-07	9.83E-07	3.68E-08	1.22E-07	1.59E-07	1.98E-08	5.66E-08	7.64E-08
595	437842.43	3763115.17	2.21E-07	6.96E-07	9.17E-07	3.43E-08	1.14E-07	1.48E-07	1.85E-08	5.27E-08	7.13E-08
596	437834.16	3763124.08	2.05E-07	6.45E-07	8.50E-07	3.18E-08	1.05E-07	1.37E-07	1.71E-08	4.89E-08	6.60E-08
597	437825.88	3763132.98	1.89E-07	5.95E-07	7.84E-07	2.94E-08	9.72E-08	1.27E-07	1.58E-08	4.51E-08	6.09E-08
598	437900.48	3763096.23	2.45E-07	7.72E-07	1.02E-06	3.81E-08	1.26E-07	1.64E-07	2.05E-08	5.85E-08	7.91E-08
599	437866.99	3763132.25	1.97E-07	6.21E-07	8.18E-07	3.06E-08	1.01E-07	1.32E-07	1.65E-08	4.71E-08	6.36E-08
600	437858.61	3763141.25	1.85E-07	5.81E-07	7.66E-07	2.87E-08	9.49E-08	1.24E-07	1.54E-08	4.40E-08	5.95E-08
601	437850.24	3763150.26	1.71E-07	5.40E-07	7.11E-07	2.66E-08	8.82E-08	1.15E-07	1.44E-08	4.09E-08	5.53E-08
602	437841.87	3763159.26	1.58E-07	4.98E-07	6.56E-07	2.46E-08	8.14E-08	1.06E-07	1.32E-08	3.77E-08	5.10E-08
603	437833.5	3763168.27	1.46E-07	4.59E-07	6.05E-07	2.27E-08	7.50E-08	9.77E-08	1.22E-08	3.48E-08	4.70E-08
604	437825.13	3763177.27	1.34E-07	4.23E-07	5.58E-07	2.09E-08	6.92E-08	9.00E-08	1.13E-08	3.21E-08	4.33E-08
605	437925.5	3763112.8	2.18E-07	6.88E-07	9.06E-07	3.39E-08	1.12E-07	1.46E-07	1.83E-08	5.21E-08	7.04E-08
606	437917.28	3763121.65	2.09E-07	6.58E-07	8.67E-07	3.25E-08	1.07E-07	1.40E-07	1.75E-08	4.98E-08	6.73E-08

607	437909.05	3763130.49	1.99E-07	6.26E-07	8.25E-07	3.09E-08	1.02E-07	1.33E-07	1.66E-08	4.75E-08	6.41E-08
608	437900.83	3763139.33	1.89E-07	5.94E-07	7.83E-07	2.93E-08	9.71E-08	1.26E-07	1.58E-08	4.50E-08	6.08E-08
609	437867.94	3763174.71	1.46E-07	4.59E-07	6.05E-07	2.26E-08	7.50E-08	9.76E-08	1.22E-08	3.48E-08	4.70E-08
610	437859.72	3763183.55	1.35E-07	4.26E-07	5.62E-07	2.10E-08	6.96E-08	9.07E-08	1.13E-08	3.23E-08	4.36E-08
611	437851.49	3763192.39	1.25E-07	3.95E-07	5.20E-07	1.95E-08	6.45E-08	8.39E-08	1.05E-08	2.99E-08	4.04E-08
612	437843.27	3763201.24	1.16E-07	3.65E-07	4.81E-07	1.80E-08	5.97E-08	7.77E-08	9.71E-09	2.77E-08	3.74E-08
613	437835.05	3763210.08	1.08E-07	3.39E-07	4.47E-07	1.67E-08	5.54E-08	7.21E-08	9.01E-09	2.57E-08	3.47E-08
614	437950.44	3763129.46	1.96E-07	6.17E-07	8.13E-07	3.04E-08	1.01E-07	1.31E-07	1.64E-08	4.67E-08	6.31E-08
615	437942.13	3763138.39	1.88E-07	5.91E-07	7.78E-07	2.91E-08	9.65E-08	1.26E-07	1.57E-08	4.48E-08	6.04E-08
616	437933.82	3763147.33	1.79E-07	5.63E-07	7.42E-07	2.78E-08	9.20E-08	1.20E-07	1.50E-08	4.27E-08	5.77E-08
617	437925.51	3763156.27	1.70E-07	5.35E-07	7.05E-07	2.64E-08	8.74E-08	1.14E-07	1.42E-08	4.06E-08	5.48E-08
618	437917.21	3763165.2	1.61E-07	5.07E-07	6.68E-07	2.50E-08	8.28E-08	1.08E-07	1.35E-08	3.84E-08	5.19E-08
619	437908.9	3763174.14	1.52E-07	4.78E-07	6.30E-07	2.36E-08	7.81E-08	1.02E-07	1.27E-08	3.62E-08	4.89E-08
620	437900.59	3763183.08	1.42E-07	4.49E-07	5.91E-07	2.21E-08	7.33E-08	9.54E-08	1.19E-08	3.40E-08	4.59E-08
621	437867.35	3763218.82	1.07E-07	3.37E-07	4.44E-07	1.66E-08	5.51E-08	7.17E-08	8.96E-09	2.55E-08	3.45E-08
622	437859.04	3763227.76	9.94E-08	3.13E-07	4.13E-07	1.55E-08	5.12E-08	6.66E-08	8.32E-09	2.37E-08	3.21E-08
623	437850.73	3763236.7	9.23E-08	2.91E-07	3.83E-07	1.43E-08	4.75E-08	6.19E-08	7.73E-09	2.20E-08	2.98E-08
624	437950.23	3763173.17	1.54E-07	4.87E-07	6.41E-07	2.40E-08	7.95E-08	1.03E-07	1.29E-08	3.69E-08	4.98E-08
625	437941.84	3763182.19	1.46E-07	4.61E-07	6.07E-07	2.27E-08	7.53E-08	9.81E-08	1.23E-08	3.49E-08	4.72E-08
626	437933.45	3763191.21	1.38E-07	4.36E-07	5.74E-07	2.15E-08	7.12E-08	9.27E-08	1.16E-08	3.30E-08	4.46E-08
627	437925.07	3763200.23	1.30E-07	4.11E-07	5.41E-07	2.03E-08	6.71E-08	8.74E-08	1.09E-08	3.11E-08	4.20E-08
628	437916.68	3763209.25	1.22E-07	3.85E-07	5.07E-07	1.90E-08	6.29E-08	8.19E-08	1.02E-08	2.92E-08	3.94E-08
629	437908.29	3763218.27	1.14E-07	3.59E-07	4.74E-07	1.77E-08	5.87E-08	7.65E-08	9.55E-09	2.72E-08	3.68E-08
630	437874.74	3763254.35	8.46E-08	2.67E-07	3.51E-07	1.32E-08	4.35E-08	5.67E-08	7.09E-09	2.02E-08	2.73E-08
631	438000.4	3763162.69	1.62E-07	5.09E-07	6.71E-07	2.51E-08	8.32E-08	1.08E-07	1.35E-08	3.86E-08	5.21E-08
632	437992.14	3763171.57	1.56E-07	4.90E-07	6.45E-07	2.42E-08	8.00E-08	1.04E-07	1.30E-08	3.71E-08	5.01E-08
633	437983.88	3763180.46	1.49E-07	4.68E-07	6.17E-07	2.31E-08	7.65E-08	9.96E-08	1.24E-08	3.55E-08	4.79E-08
634	437950.84	3763216	1.21E-07	3.80E-07	5.00E-07	1.87E-08	6.20E-08	8.08E-08	1.01E-08	2.88E-08	3.89E-08
635	437942.58	3763224.88	1.14E-07	3.58E-07	4.71E-07	1.76E-08	5.84E-08	7.61E-08	9.50E-09	2.71E-08	3.66E-08
636	437934.32	3763233.77	1.07E-07	3.36E-07	4.42E-07	1.66E-08	5.48E-08	7.14E-08	8.92E-09	2.54E-08	3.43E-08
637	437926.05	3763242.65	9.98E-08	3.14E-07	4.14E-07	1.55E-08	5.13E-08	6.68E-08	8.35E-09	2.38E-08	3.22E-08
638	437917.79	3763251.54	9.31E-08	2.93E-07	3.86E-07	1.45E-08	4.79E-08	6.23E-08	7.79E-09	2.22E-08	3.00E-08
639	437909.53	3763260.42	8.67E-08	2.73E-07	3.60E-07	1.35E-08	4.46E-08	5.81E-08	7.26E-09	2.07E-08	2.79E-08
640	437901.27	3763269.3	8.10E-08	2.55E-07	3.36E-07	1.26E-08	4.17E-08	5.42E-08	6.78E-09	1.93E-08	2.61E-08
641	437893.01	3763278.19	7.55E-08	2.38E-07	3.13E-07	1.17E-08	3.89E-08	5.06E-08	6.32E-09	1.80E-08	2.43E-08
642	438025.35	3763179.34	1.47E-07	4.64E-07	6.11E-07	2.29E-08	7.58E-08	9.87E-08	1.23E-08	3.52E-08	4.75E-08
643	438017.02	3763188.3	1.42E-07	4.46E-07	5.88E-07	2.20E-08	7.29E-08	9.49E-08	1.19E-08	3.38E-08	4.57E-08
644	438008.69	3763197.26	1.36E-07	4.28E-07	5.63E-07	2.11E-08	6.99E-08	9.10E-08	1.14E-08	3.24E-08	4.38E-08
645	438000.36	3763206.22	1.30E-07	4.08E-07	5.38E-07	2.01E-08	6.67E-08	8.68E-08	1.08E-08	3.09E-08	4.18E-08
646	437992.02	3763215.18	1.24E-07	3.90E-07	5.14E-07	1.92E-08	6.37E-08	8.30E-08	1.04E-08	2.96E-08	3.99E-08
647	437983.69	3763224.15	1.18E-07	3.70E-07	4.88E-07	1.83E-08	6.05E-08	7.87E-08	9.84E-09	2.80E-08	3.79E-08
648	437950.36	3763259.99	9.23E-08	2.91E-07	3.83E-07	1.43E-08	4.75E-08	6.18E-08	7.72E-09	2.20E-08	2.97E-08
649	437942.03	3763268.95	8.66E-08	2.73E-07	3.59E-07	1.35E-08	4.45E-08	5.80E-08	7.25E-09	2.07E-08	2.79E-08
650	437933.7	3763277.91	8.11E-08	2.55E-07	3.37E-07	1.26E-08	4.17E-08	5.43E-08	6.79E-09	1.94E-08	2.61E-08
651	437925.36	3763286.88	7.59E-08	2.39E-07	3.15E-07	1.18E-08	3.91E-08	5.09E-08	6.35E-09	1.81E-08	2.45E-08
652	437917.03	3763295.84	7.14E-08	2.25E-07	2.96E-07	1.11E-08	3.68E-08	4.79E-08	5.98E-09	1.70E-08	2.30E-08
653	437908.7	3763304.8	6.68E-08	2.10E-07	2.77E-07	1.04E-08	3.44E-08	4.48E-08	5.59E-09	1.59E-08	2.15E-08
654	438025.11	3763223.08	1.20E-07	3.77E-07	4.97E-07	1.86E-08	6.16E-08	8.02E-08	1.00E-08	2.86E-08	3.86E-08
655	437999.92	3763250.18	1.02E-07	3.22E-07	4.24E-07	1.59E-08	5.26E-08	6.84E-08	8.55E-09	2.44E-08	3.29E-08
656	437991.52	3763259.21	9.64E-08	3.04E-07	4.00E-07	1.50E-08	4.96E-08	6.46E-08	8.07E-09	2.30E-08	3.11E-08
657	437983.12	3763268.24	9.09E-08	2.86E-07	3.77E-07	1.41E-08	4.68E-08	6.09E-08	7.61E-09	2.17E-08	2.93E-08
658	437949.53	3763304.37	7.10E-08	2.24E-07	2.95E-07	1.10E-08	3.66E-08	4.76E-08	5.95E-09	1.70E-08	2.29E-08
659	437941.13	3763313.4	6.68E-08	2.10E-07	2.77E-07	1.04E-08	3.44E-08	4.48E-08	5.59E-09	1.59E-08	2.15E-08
660	438083.59	3763218.16	1.20E-07	3.79E-07	5.00E-07	1.87E-08	6.20E-08	8.07E-08	1.01E-08	2.87E-08	3.88E-08
661	438075.17	3763227.22	1.16E-07	3.66E-07	4.82E-07	1.80E-08	5.97E-08	7.78E-08	9.72E-09	2.77E-08	3.74E-08
662	438058.33	3763245.33	1.07E-07	3.37E-07	4.44E-07	1.66E-08	5.50E-08	7.16E-08	8.95E-09	2.55E-08	3.45E-08
663	438049.91	3763254.38	1.02E-07	3.22E-07	4.24E-07	1.59E-08	5.26E-08	6.85E-08	8.55E-09	2.44E-08	3.29E-08
664	438041.49	3763263.44	9.74E-08	3.07E-07	4.04E-07	1.51E-08	5.01E-08	6.52E-08	8.15E-09	2.32E-08	3.14E-08
665	438033.07	3763272.49	9.25E-08	2.91E-07	3.84E-07	1.44E-08	4.76E-08	6.20E-08	7.74E-09	2.21E-08	2.98E-08
666	438024.65	3763281.55	8.77E-08	2.76E-07	3.64E-07	1.36E-08	4.51E-08	5.87E-08	7.34E-09	2.09E-08	2.83E-08
667	438016.23	3763290.61	8.29E-08	2.61E-07	3.44E-07	1.29E-08	4.27E-08	5.56E-08	6.94E-09	1.98E-08	2.67E-08

668	438007.81	3763299.66	7.85E-08	2.47E-07	3.26E-07	1.22E-08	4.04E-08	5.26E-08	6.57E-09	1.87E-08	2.53E-08
669	437999.39	3763308.72	7.41E-08	2.33E-07	3.08E-07	1.15E-08	3.81E-08	4.97E-08	6.21E-09	1.77E-08	2.39E-08
670	437990.97	3763317.77	6.99E-08	2.20E-07	2.90E-07	1.09E-08	3.59E-08	4.68E-08	5.85E-09	1.67E-08	2.25E-08
671	437982.55	3763326.83	6.57E-08	2.07E-07	2.73E-07	1.02E-08	3.38E-08	4.40E-08	5.50E-09	1.57E-08	2.12E-08
672	437948.87	3763363.05	5.12E-08	1.61E-07	2.12E-07	7.95E-09	2.63E-08	3.43E-08	4.28E-09	1.22E-08	1.65E-08
673	438108.44	3763249.41	1.05E-07	3.31E-07	4.36E-07	1.63E-08	5.40E-08	7.03E-08	8.79E-09	2.51E-08	3.38E-08
674	438100	3763258.49	1.01E-07	3.18E-07	4.19E-07	1.57E-08	5.20E-08	6.77E-08	8.45E-09	2.41E-08	3.26E-08
675	438091.56	3763267.56	9.69E-08	3.05E-07	4.02E-07	1.51E-08	4.99E-08	6.49E-08	8.11E-09	2.31E-08	3.12E-08
676	438083.12	3763276.64	9.28E-08	2.92E-07	3.85E-07	1.44E-08	4.78E-08	6.22E-08	7.77E-09	2.22E-08	2.99E-08
677	438074.68	3763285.72	8.87E-08	2.79E-07	3.68E-07	1.38E-08	4.56E-08	5.94E-08	7.42E-09	2.12E-08	2.86E-08
678	438066.24	3763294.8	8.45E-08	2.66E-07	3.51E-07	1.31E-08	4.35E-08	5.66E-08	7.07E-09	2.02E-08	2.72E-08
679	438057.8	3763303.87	8.04E-08	2.53E-07	3.34E-07	1.25E-08	4.14E-08	5.39E-08	6.73E-09	1.92E-08	2.59E-08
680	438049.36	3763312.95	7.64E-08	2.41E-07	3.17E-07	1.19E-08	3.93E-08	5.12E-08	6.40E-09	1.82E-08	2.46E-08
681	438040.92	3763322.03	7.26E-08	2.29E-07	3.01E-07	1.13E-08	3.73E-08	4.86E-08	6.08E-09	1.73E-08	2.34E-08
682	438032.48	3763331.1	6.88E-08	2.17E-07	2.85E-07	1.07E-08	3.54E-08	4.61E-08	5.76E-09	1.64E-08	2.22E-08
683	438024.04	3763340.18	6.51E-08	2.05E-07	2.70E-07	1.01E-08	3.35E-08	4.36E-08	5.45E-09	1.55E-08	2.10E-08
684	438015.6	3763349.26	6.15E-08	1.94E-07	2.55E-07	9.55E-09	3.16E-08	4.12E-08	5.14E-09	1.47E-08	1.98E-08
685	438007.16	3763358.34	5.78E-08	1.82E-07	2.40E-07	8.98E-09	2.97E-08	3.87E-08	4.84E-09	1.38E-08	1.86E-08
686	437998.72	3763367.41	5.43E-08	1.71E-07	2.25E-07	8.43E-09	2.79E-08	3.64E-08	4.54E-09	1.30E-08	1.75E-08
687	438150.22	3763262.45	9.87E-08	3.11E-07	4.10E-07	1.53E-08	5.08E-08	6.61E-08	8.26E-09	2.36E-08	3.18E-08
688	438141.91	3763271.39	9.60E-08	3.02E-07	3.98E-07	1.49E-08	4.94E-08	6.43E-08	8.04E-09	2.29E-08	3.09E-08
689	438133.61	3763280.32	9.26E-08	2.92E-07	3.84E-07	1.44E-08	4.77E-08	6.21E-08	7.75E-09	2.21E-08	2.99E-08
690	438125.3	3763289.26	8.92E-08	2.81E-07	3.70E-07	1.39E-08	4.59E-08	5.98E-08	7.47E-09	2.13E-08	2.88E-08
691	438116.99	3763298.2	8.56E-08	2.70E-07	3.55E-07	1.33E-08	4.40E-08	5.73E-08	7.17E-09	2.04E-08	2.76E-08
692	438108.68	3763307.13	8.20E-08	2.58E-07	3.40E-07	1.27E-08	4.22E-08	5.49E-08	6.86E-09	1.96E-08	2.64E-08
693	438100.37	3763316.07	7.84E-08	2.47E-07	3.25E-07	1.22E-08	4.03E-08	5.25E-08	6.56E-09	1.87E-08	2.53E-08
694	438092.06	3763325.01	7.48E-08	2.36E-07	3.10E-07	1.16E-08	3.85E-08	5.01E-08	6.26E-09	1.79E-08	2.41E-08
695	438083.75	3763333.94	7.13E-08	2.24E-07	2.96E-07	1.11E-08	3.67E-08	4.77E-08	5.97E-09	1.70E-08	2.30E-08
696	438075.44	3763342.88	6.78E-08	2.13E-07	2.81E-07	1.05E-08	3.49E-08	4.54E-08	5.67E-09	1.62E-08	2.18E-08
697	438067.13	3763351.82	6.44E-08	2.03E-07	2.67E-07	1.00E-08	3.31E-08	4.31E-08	5.39E-09	1.54E-08	2.08E-08
698	438058.82	3763360.75	6.10E-08	1.92E-07	2.53E-07	9.49E-09	3.14E-08	4.09E-08	5.11E-09	1.46E-08	1.97E-08
699	438050.51	3763369.69	5.79E-08	1.82E-07	2.40E-07	8.99E-09	2.98E-08	3.88E-08	4.84E-09	1.38E-08	1.87E-08
700	438017.27	3763405.44	4.60E-08	1.45E-07	1.91E-07	7.15E-09	2.37E-08	3.08E-08	3.85E-09	1.10E-08	1.48E-08
701	438008.96	3763414.37	4.33E-08	1.37E-07	1.80E-07	6.73E-09	2.23E-08	2.90E-08	3.63E-09	1.03E-08	1.40E-08
702	438000.65	3763423.31	4.09E-08	1.29E-07	1.70E-07	6.35E-09	2.10E-08	2.74E-08	3.42E-09	9.75E-09	1.32E-08
703	438183.51	3763284.62	8.99E-08	2.83E-07	3.73E-07	1.40E-08	4.62E-08	6.02E-08	7.52E-09	2.14E-08	2.90E-08
704	438175.18	3763293.59	8.71E-08	2.74E-07	3.61E-07	1.35E-08	4.48E-08	5.83E-08	7.29E-09	2.08E-08	2.81E-08
705	438166.85	3763302.55	8.46E-08	2.67E-07	3.51E-07	1.32E-08	4.35E-08	5.67E-08	7.08E-09	2.02E-08	2.73E-08
706	438158.52	3763311.51	8.16E-08	2.57E-07	3.39E-07	1.27E-08	4.20E-08	5.47E-08	6.83E-09	1.95E-08	2.63E-08
707	438150.18	3763320.47	7.85E-08	2.47E-07	3.26E-07	1.22E-08	4.04E-08	5.26E-08	6.57E-09	1.87E-08	2.53E-08
708	438141.85	3763329.43	7.53E-08	2.37E-07	3.12E-07	1.17E-08	3.87E-08	5.04E-08	6.30E-09	1.80E-08	2.43E-08
709	438133.52	3763338.39	7.21E-08	2.27E-07	2.99E-07	1.12E-08	3.71E-08	4.83E-08	6.04E-09	1.72E-08	2.32E-08
710	438125.19	3763347.36	6.90E-08	2.17E-07	2.86E-07	1.07E-08	3.55E-08	4.62E-08	5.77E-09	1.65E-08	2.22E-08
711	438116.85	3763356.32	6.59E-08	2.08E-07	2.74E-07	1.02E-08	3.39E-08	4.42E-08	5.52E-09	1.57E-08	2.12E-08
712	438108.52	3763365.28	6.29E-08	1.98E-07	2.61E-07	9.77E-09	3.23E-08	4.21E-08	5.26E-09	1.50E-08	2.03E-08
713	438075.19	3763401.12	5.14E-08	1.62E-07	2.13E-07	7.98E-09	2.64E-08	3.44E-08	4.30E-09	1.23E-08	1.66E-08
714	438066.86	3763410.09	4.87E-08	1.54E-07	2.02E-07	7.57E-09	2.51E-08	3.27E-08	4.08E-09	1.16E-08	1.57E-08
715	438058.53	3763419.05	4.61E-08	1.45E-07	1.91E-07	7.17E-09	2.37E-08	3.09E-08	3.86E-09	1.10E-08	1.49E-08
716	438050.19	3763428.01	4.36E-08	1.37E-07	1.81E-07	6.77E-09	2.24E-08	2.92E-08	3.65E-09	1.04E-08	1.41E-08
717	438041.86	3763436.97	4.12E-08	1.30E-07	1.71E-07	6.39E-09	2.12E-08	2.76E-08	3.44E-09	9.82E-09	1.33E-08
718	438033.53	3763445.93	3.88E-08	1.22E-07	1.61E-07	6.03E-09	2.00E-08	2.60E-08	3.25E-09	9.27E-09	1.25E-08
719	438025.2	3763454.89	3.67E-08	1.16E-07	1.52E-07	5.70E-09	1.89E-08	2.46E-08	3.07E-09	8.76E-09	1.18E-08
720	438216.8	3763306.8	8.24E-08	2.59E-07	3.42E-07	1.28E-08	4.24E-08	5.52E-08	6.90E-09	1.97E-08	2.66E-08
721	438208.45	3763315.78	7.99E-08	2.52E-07	3.31E-07	1.24E-08	4.11E-08	5.35E-08	6.69E-09	1.91E-08	2.58E-08
722	438200.1	3763324.77	7.73E-08	2.44E-07	3.21E-07	1.20E-08	3.98E-08	5.18E-08	6.47E-09	1.85E-08	2.49E-08
723	438191.74	3763333.75	7.47E-08	2.35E-07	3.10E-07	1.16E-08	3.84E-08	5.00E-08	6.25E-09	1.78E-08	2.41E-08
724	438183.39	3763342.73	7.20E-08	2.27E-07	2.99E-07	1.12E-08	3.70E-08	4.82E-08	6.02E-09	1.72E-08	2.32E-08
725	438175.04	3763351.72	6.91E-08	2.18E-07	2.87E-07	1.07E-08	3.56E-08	4.63E-08	5.79E-09	1.65E-08	2.23E-08
726	438166.68	3763360.7	6.64E-08	2.09E-07	2.75E-07	1.03E-08	3.41E-08	4.45E-08	5.55E-09	1.58E-08	2.14E-08
727	438158.33	3763369.69	6.36E-08	2.00E-07	2.64E-07	9.88E-09	3.27E-08	4.26E-08	5.32E-09	1.52E-08	2.05E-08
728	438124.92	3763405.62	5.29E-08	1.67E-07	2.20E-07	8.22E-09	2.72E-08	3.54E-08	4.43E-09	1.26E-08	1.71E-08

729	438116.56	3763414.61	5.05E-08	1.59E-07	2.09E-07	7.84E-09	2.60E-08	3.38E-08	4.22E-09	1.20E-08	1.63E-08
730	438108.21	3763423.59	4.81E-08	1.51E-07	2.00E-07	7.47E-09	2.47E-08	3.22E-08	4.03E-09	1.15E-08	1.55E-08
731	438099.86	3763432.57	4.58E-08	1.44E-07	1.90E-07	7.12E-09	2.36E-08	3.07E-08	3.83E-09	1.09E-08	1.48E-08
732	438091.5	3763441.56	4.35E-08	1.37E-07	1.81E-07	6.76E-09	2.24E-08	2.91E-08	3.64E-09	1.04E-08	1.40E-08
733	438083.15	3763450.54	4.12E-08	1.30E-07	1.71E-07	6.40E-09	2.12E-08	2.76E-08	3.45E-09	9.83E-09	1.33E-08
734	438074.8	3763459.52	3.90E-08	1.23E-07	1.62E-07	6.05E-09	2.00E-08	2.61E-08	3.26E-09	9.30E-09	1.26E-08
735	438066.44	3763468.51	3.69E-08	1.16E-07	1.53E-07	5.73E-09	1.90E-08	2.47E-08	3.09E-09	8.80E-09	1.19E-08
736	438058.09	3763477.49	3.49E-08	1.10E-07	1.45E-07	5.42E-09	1.80E-08	2.34E-08	2.92E-09	8.33E-09	1.12E-08
737	438049.74	3763486.48	3.30E-08	1.04E-07	1.37E-07	5.13E-09	1.70E-08	2.21E-08	2.76E-09	7.88E-09	1.06E-08
738	438250.09	3763328.97	7.55E-08	2.38E-07	3.13E-07	1.17E-08	3.89E-08	5.06E-08	6.32E-09	1.80E-08	2.43E-08
739	438241.72	3763337.97	7.34E-08	2.31E-07	3.04E-07	1.14E-08	3.78E-08	4.92E-08	6.14E-09	1.75E-08	2.37E-08
740	438233.35	3763346.98	7.12E-08	2.24E-07	2.95E-07	1.11E-08	3.66E-08	4.77E-08	5.96E-09	1.70E-08	2.29E-08
741	438224.98	3763355.98	6.88E-08	2.17E-07	2.86E-07	1.07E-08	3.54E-08	4.61E-08	5.76E-09	1.64E-08	2.22E-08
742	438216.6	3763364.99	6.65E-08	2.09E-07	2.76E-07	1.03E-08	3.42E-08	4.45E-08	5.56E-09	1.59E-08	2.14E-08
743	438183.11	3763401.01	5.64E-08	1.78E-07	2.34E-07	8.77E-09	2.90E-08	3.78E-08	4.72E-09	1.35E-08	1.82E-08
744	438174.74	3763410.01	5.40E-08	1.70E-07	2.24E-07	8.39E-09	2.78E-08	3.62E-08	4.52E-09	1.29E-08	1.74E-08
745	438166.37	3763419.01	5.18E-08	1.63E-07	2.15E-07	8.04E-09	2.66E-08	3.47E-08	4.33E-09	1.23E-08	1.67E-08
746	438158	3763428.02	4.96E-08	1.56E-07	2.06E-07	7.70E-09	2.55E-08	3.32E-08	4.15E-09	1.18E-08	1.60E-08
747	438149.63	3763437.02	4.74E-08	1.49E-07	1.97E-07	7.37E-09	2.44E-08	3.18E-08	3.97E-09	1.13E-08	1.53E-08
748	438141.25	3763446.03	4.52E-08	1.42E-07	1.88E-07	7.03E-09	2.33E-08	3.03E-08	3.79E-09	1.08E-08	1.46E-08
749	438132.88	3763455.03	4.30E-08	1.36E-07	1.79E-07	6.69E-09	2.21E-08	2.88E-08	3.60E-09	1.03E-08	1.39E-08
750	438124.51	3763464.04	4.09E-08	1.29E-07	1.70E-07	6.35E-09	2.10E-08	2.74E-08	3.42E-09	9.75E-09	1.32E-08
751	438116.14	3763473.04	3.87E-08	1.22E-07	1.61E-07	6.02E-09	1.99E-08	2.59E-08	3.24E-09	9.24E-09	1.25E-08
752	438107.76	3763482.04	3.67E-08	1.16E-07	1.52E-07	5.70E-09	1.89E-08	2.46E-08	3.07E-09	8.76E-09	1.18E-08
753	438099.39	3763491.05	3.48E-08	1.10E-07	1.44E-07	5.40E-09	1.79E-08	2.33E-08	2.91E-09	8.30E-09	1.12E-08
754	438091.02	3763500.05	3.30E-08	1.04E-07	1.37E-07	5.12E-09	1.70E-08	2.21E-08	2.76E-09	7.87E-09	1.06E-08
755	438082.65	3763509.06	3.13E-08	9.87E-08	1.30E-07	4.87E-09	1.61E-08	2.10E-08	2.62E-09	7.48E-09	1.01E-08
756	438074.27	3763518.06	2.98E-08	9.37E-08	1.24E-07	4.63E-09	1.53E-08	1.99E-08	2.49E-09	7.10E-09	9.60E-09
757	438283.39	3763351.14	6.97E-08	2.20E-07	2.89E-07	1.08E-08	3.59E-08	4.67E-08	5.84E-09	1.66E-08	2.25E-08
758	438275	3763360.17	6.78E-08	2.14E-07	2.81E-07	1.05E-08	3.49E-08	4.54E-08	5.67E-09	1.62E-08	2.19E-08
759	438266.61	3763369.19	6.58E-08	2.07E-07	2.73E-07	1.02E-08	3.38E-08	4.41E-08	5.50E-09	1.57E-08	2.12E-08
760	438233.05	3763405.28	5.72E-08	1.80E-07	2.37E-07	8.89E-09	2.94E-08	3.83E-08	4.79E-09	1.37E-08	1.84E-08
761	438224.66	3763414.3	5.50E-08	1.73E-07	2.28E-07	8.55E-09	2.83E-08	3.68E-08	4.60E-09	1.31E-08	1.77E-08
762	438216.27	3763423.33	5.29E-08	1.67E-07	2.19E-07	8.22E-09	2.72E-08	3.54E-08	4.43E-09	1.26E-08	1.70E-08
763	438207.88	3763432.35	5.08E-08	1.60E-07	2.11E-07	7.90E-09	2.62E-08	3.41E-08	4.26E-09	1.21E-08	1.64E-08
764	438199.49	3763441.37	4.88E-08	1.54E-07	2.03E-07	7.59E-09	2.51E-08	3.27E-08	4.09E-09	1.16E-08	1.57E-08
765	438191.1	3763450.4	4.68E-08	1.47E-07	1.94E-07	7.27E-09	2.41E-08	3.14E-08	3.92E-09	1.12E-08	1.51E-08
766	438182.71	3763459.42	4.49E-08	1.41E-07	1.86E-07	6.97E-09	2.31E-08	3.00E-08	3.75E-09	1.07E-08	1.45E-08
767	438174.32	3763468.44	4.29E-08	1.35E-07	1.78E-07	6.66E-09	2.21E-08	2.87E-08	3.59E-09	1.02E-08	1.38E-08
768	438165.93	3763477.46	4.08E-08	1.28E-07	1.69E-07	6.33E-09	2.10E-08	2.73E-08	3.41E-09	9.73E-09	1.31E-08
769	438157.54	3763486.49	3.87E-08	1.22E-07	1.61E-07	6.01E-09	1.99E-08	2.59E-08	3.24E-09	9.23E-09	1.25E-08
770	438149.15	3763495.51	3.67E-08	1.16E-07	1.52E-07	5.70E-09	1.89E-08	2.46E-08	3.07E-09	8.76E-09	1.18E-08
771	438140.76	3763504.53	3.48E-08	1.10E-07	1.44E-07	5.41E-09	1.79E-08	2.33E-08	2.91E-09	8.31E-09	1.12E-08
772	438132.37	3763513.56	3.30E-08	1.04E-07	1.37E-07	5.13E-09	1.70E-08	2.21E-08	2.77E-09	7.89E-09	1.07E-08
773	438123.98	3763522.58	3.14E-08	9.88E-08	1.30E-07	4.88E-09	1.61E-08	2.10E-08	2.63E-09	7.49E-09	1.01E-08
774	438115.59	3763531.6	2.98E-08	9.40E-08	1.24E-07	4.64E-09	1.53E-08	2.00E-08	2.50E-09	7.12E-09	9.62E-09
775	438291.46	3763400.43	5.91E-08	1.86E-07	2.45E-07	9.18E-09	3.04E-08	3.96E-08	4.95E-09	1.41E-08	1.91E-08
776	438283.05	3763409.47	5.71E-08	1.80E-07	2.37E-07	8.87E-09	2.94E-08	3.83E-08	4.78E-09	1.36E-08	1.84E-08
777	438266.24	3763427.55	5.32E-08	1.68E-07	2.21E-07	8.27E-09	2.74E-08	3.56E-08	4.45E-09	1.27E-08	1.72E-08
778	438257.84	3763436.59	5.13E-08	1.62E-07	2.13E-07	7.97E-09	2.64E-08	3.44E-08	4.29E-09	1.22E-08	1.65E-08
779	438249.43	3763445.63	4.94E-08	1.56E-07	2.05E-07	7.68E-09	2.54E-08	3.31E-08	4.14E-09	1.18E-08	1.59E-08
780	438241.03	3763454.67	4.76E-08	1.50E-07	1.98E-07	7.40E-09	2.45E-08	3.19E-08	3.99E-09	1.14E-08	1.54E-08
781	438232.62	3763463.71	4.59E-08	1.45E-07	1.90E-07	7.13E-09	2.36E-08	3.07E-08	3.84E-09	1.10E-08	1.48E-08
782	438224.21	3763472.75	4.41E-08	1.39E-07	1.83E-07	6.86E-09	2.27E-08	2.96E-08	3.69E-09	1.05E-08	1.42E-08
783	438215.81	3763481.79	4.23E-08	1.33E-07	1.75E-07	6.57E-09	2.18E-08	2.83E-08	3.54E-09	1.01E-08	1.36E-08
784	438207.4	3763490.83	4.04E-08	1.27E-07	1.68E-07	6.28E-09	2.08E-08	2.71E-08	3.38E-09	9.65E-09	1.30E-08
785	438199	3763499.87	3.86E-08	1.21E-07	1.60E-07	5.99E-09	1.98E-08	2.58E-08	3.23E-09	9.20E-09	1.24E-08
786	438190.59	3763508.92	3.67E-08	1.15E-07	1.52E-07	5.70E-09	1.89E-08	2.46E-08	3.07E-09	8.75E-09	1.18E-08
787	438182.19	3763517.96	3.48E-08	1.10E-07	1.45E-07	5.41E-09	1.79E-08	2.33E-08	2.92E-09	8.31E-09	1.12E-08
788	438173.78	3763527	3.31E-08	1.04E-07	1.37E-07	5.15E-09	1.70E-08	2.22E-08	2.77E-09	7.90E-09	1.07E-08
789	438165.38	3763536.04	3.15E-08	9.93E-08	1.31E-07	4.90E-09	1.62E-08	2.11E-08	2.64E-09	7.52E-09	1.02E-08

790	438140.16	3763563.16	2.72E-08	8.57E-08	1.13E-07	4.23E-09	1.40E-08	1.82E-08	2.28E-09	6.49E-09	8.77E-09
791	438131.75	3763572.2	2.59E-08	8.15E-08	1.07E-07	4.02E-09	1.33E-08	1.73E-08	2.17E-09	6.18E-09	8.34E-09
792	438123.35	3763581.24	2.46E-08	7.74E-08	1.02E-07	3.82E-09	1.26E-08	1.65E-08	2.06E-09	5.87E-09	7.92E-09
793	438349.97	3763395.48	5.97E-08	1.88E-07	2.48E-07	9.27E-09	3.07E-08	4.00E-08	4.99E-09	1.42E-08	1.92E-08
794	438341.55	3763404.54	5.82E-08	1.83E-07	2.41E-07	9.04E-09	2.99E-08	3.90E-08	4.87E-09	1.39E-08	1.88E-08
795	438333.13	3763413.6	5.67E-08	1.78E-07	2.35E-07	8.80E-09	2.92E-08	3.80E-08	4.74E-09	1.35E-08	1.83E-08
796	438324.71	3763422.65	5.50E-08	1.73E-07	2.28E-07	8.54E-09	2.83E-08	3.68E-08	4.60E-09	1.31E-08	1.77E-08
797	438316.29	3763431.71	5.32E-08	1.68E-07	2.21E-07	8.27E-09	2.74E-08	3.57E-08	4.46E-09	1.27E-08	1.72E-08
798	438307.87	3763440.76	5.15E-08	1.62E-07	2.14E-07	8.00E-09	2.65E-08	3.45E-08	4.31E-09	1.23E-08	1.66E-08
799	438299.45	3763449.82	4.98E-08	1.57E-07	2.06E-07	7.73E-09	2.56E-08	3.33E-08	4.17E-09	1.19E-08	1.60E-08
800	438291.03	3763458.88	4.81E-08	1.51E-07	1.99E-07	7.47E-09	2.47E-08	3.22E-08	4.02E-09	1.15E-08	1.55E-08
801	438257.35	3763495.1	4.15E-08	1.31E-07	1.72E-07	6.46E-09	2.14E-08	2.78E-08	3.48E-09	9.91E-09	1.34E-08
802	438248.93	3763504.15	3.99E-08	1.26E-07	1.65E-07	6.19E-09	2.05E-08	2.67E-08	3.34E-09	9.51E-09	1.29E-08
803	438240.51	3763513.21	3.82E-08	1.20E-07	1.58E-07	5.93E-09	1.96E-08	2.56E-08	3.19E-09	9.11E-09	1.23E-08
804	438232.09	3763522.27	3.65E-08	1.15E-07	1.51E-07	5.67E-09	1.88E-08	2.45E-08	3.06E-09	8.71E-09	1.18E-08
805	438223.67	3763531.32	3.49E-08	1.10E-07	1.45E-07	5.42E-09	1.79E-08	2.34E-08	2.92E-09	8.32E-09	1.12E-08
806	438198.4	3763558.49	3.02E-08	9.50E-08	1.25E-07	4.69E-09	1.55E-08	2.02E-08	2.52E-09	7.20E-09	9.72E-09
807	438189.98	3763567.55	2.88E-08	9.06E-08	1.19E-07	4.47E-09	1.48E-08	1.93E-08	2.41E-09	6.87E-09	9.27E-09
808	438181.56	3763576.6	2.74E-08	8.64E-08	1.14E-07	4.26E-09	1.41E-08	1.84E-08	2.30E-09	6.55E-09	8.85E-09
809	438173.14	3763585.66	2.62E-08	8.24E-08	1.09E-07	4.07E-09	1.35E-08	1.75E-08	2.19E-09	6.25E-09	8.44E-09
810	438164.72	3763594.71	2.49E-08	7.86E-08	1.04E-07	3.88E-09	1.28E-08	1.67E-08	2.09E-09	5.95E-09	8.04E-09
811	438156.3	3763603.77	2.38E-08	7.48E-08	9.86E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.67E-09	7.66E-09
812	438147.88	3763612.82	2.26E-08	7.12E-08	9.38E-08	3.51E-09	1.16E-08	1.51E-08	1.89E-09	5.39E-09	7.29E-09
813	438349.53	3763453.94	4.96E-08	1.56E-07	2.06E-07	7.71E-09	2.55E-08	3.32E-08	4.15E-09	1.18E-08	1.60E-08
814	438341.09	3763463.01	4.81E-08	1.51E-07	2.00E-07	7.47E-09	2.47E-08	3.22E-08	4.03E-09	1.15E-08	1.55E-08
815	438332.66	3763472.08	4.66E-08	1.47E-07	1.93E-07	7.24E-09	2.40E-08	3.12E-08	3.90E-09	1.11E-08	1.50E-08
816	438324.23	3763481.15	4.51E-08	1.42E-07	1.87E-07	7.01E-09	2.32E-08	3.02E-08	3.78E-09	1.08E-08	1.45E-08
817	438315.79	3763490.22	4.36E-08	1.37E-07	1.81E-07	6.78E-09	2.24E-08	2.92E-08	3.65E-09	1.04E-08	1.41E-08
818	438307.36	3763499.29	4.22E-08	1.33E-07	1.75E-07	6.55E-09	2.17E-08	2.83E-08	3.53E-09	1.01E-08	1.36E-08
819	438298.92	3763508.36	4.07E-08	1.28E-07	1.69E-07	6.32E-09	2.09E-08	2.72E-08	3.40E-09	9.71E-09	1.31E-08
820	438290.49	3763517.43	3.92E-08	1.23E-07	1.62E-07	6.08E-09	2.01E-08	2.62E-08	3.28E-09	9.34E-09	1.26E-08
821	438248.32	3763562.78	3.16E-08	9.95E-08	1.31E-07	4.91E-09	1.63E-08	2.12E-08	2.65E-09	7.54E-09	1.02E-08
822	438239.89	3763571.85	3.02E-08	9.50E-08	1.25E-07	4.69E-09	1.55E-08	2.02E-08	2.53E-09	7.20E-09	9.73E-09
823	438231.45	3763580.92	2.88E-08	9.08E-08	1.20E-07	4.48E-09	1.48E-08	1.93E-08	2.41E-09	6.88E-09	9.29E-09
824	438223.02	3763589.99	2.75E-08	8.67E-08	1.14E-07	4.28E-09	1.42E-08	1.84E-08	2.30E-09	6.57E-09	8.88E-09
825	438214.59	3763599.06	2.63E-08	8.30E-08	1.09E-07	4.09E-09	1.36E-08	1.76E-08	2.21E-09	6.29E-09	8.49E-09
826	438206.15	3763608.13	2.52E-08	7.93E-08	1.05E-07	3.91E-09	1.30E-08	1.69E-08	2.11E-09	6.01E-09	8.12E-09
827	438197.72	3763617.2	2.41E-08	7.58E-08	9.98E-08	3.74E-09	1.24E-08	1.61E-08	2.01E-09	5.74E-09	7.75E-09
828	438189.29	3763626.27	2.30E-08	7.23E-08	9.52E-08	3.57E-09	1.18E-08	1.54E-08	1.92E-09	5.48E-09	7.40E-09
829	438180.85	3763635.34	2.19E-08	6.89E-08	9.08E-08	3.40E-09	1.13E-08	1.47E-08	1.83E-09	5.22E-09	7.06E-09
830	438172.42	3763644.41	2.09E-08	6.57E-08	8.66E-08	3.24E-09	1.07E-08	1.40E-08	1.75E-09	4.98E-09	6.73E-09
831	437586	3762817.86	7.07E-06	2.23E-05	2.93E-05	1.10E-06	3.64E-06	4.73E-06	5.92E-07	1.69E-06	2.28E-06
832	437586.01	3762808.05	7.08E-06	2.23E-05	2.94E-05	1.10E-06	3.64E-06	4.75E-06	5.93E-07	1.69E-06	2.28E-06
833	437586.03	3762798.24	7.06E-06	2.22E-05	2.93E-05	1.10E-06	3.63E-06	4.73E-06	5.91E-07	1.68E-06	2.28E-06
834	437586.04	3762788.43	6.94E-06	2.18E-05	2.88E-05	1.08E-06	3.57E-06	4.65E-06	5.81E-07	1.66E-06	2.24E-06
835	437586.05	3762778.62	6.72E-06	2.12E-05	2.79E-05	1.04E-06	3.46E-06	4.50E-06	5.62E-07	1.60E-06	2.16E-06
836	437586.07	3762768.81	6.37E-06	2.01E-05	2.64E-05	9.90E-07	3.28E-06	4.27E-06	5.34E-07	1.52E-06	2.05E-06
837	437586.08	3762759	5.91E-06	1.86E-05	2.45E-05	9.18E-07	3.04E-06	3.96E-06	4.95E-07	1.41E-06	1.91E-06
838	437586.1	3762749.19	5.31E-06	1.67E-05	2.20E-05	8.25E-07	2.73E-06	3.56E-06	4.45E-07	1.27E-06	1.71E-06
839	437586.11	3762739.38	4.57E-06	1.44E-05	1.90E-05	7.10E-07	2.35E-06	3.06E-06	3.83E-07	1.09E-06	1.47E-06
840	437586.13	3762729.57	3.78E-06	1.19E-05	1.57E-05	5.88E-07	1.95E-06	2.53E-06	3.17E-07	9.03E-07	1.22E-06
841	437596	3762817.87	5.86E-06	1.84E-05	2.43E-05	9.10E-07	3.01E-06	3.92E-06	4.90E-07	1.40E-06	1.89E-06
842	437596.01	3762808.06	5.86E-06	1.85E-05	2.43E-05	9.11E-07	3.01E-06	3.93E-06	4.90E-07	1.40E-06	1.89E-06
843	437596.03	3762798.25	5.84E-06	1.84E-05	2.42E-05	9.07E-07	3.00E-06	3.91E-06	4.88E-07	1.39E-06	1.88E-06
844	437596.04	3762788.44	5.73E-06	1.80E-05	2.38E-05	8.90E-07	2.95E-06	3.84E-06	4.79E-07	1.37E-06	1.85E-06
845	437596.05	3762778.63	5.53E-06	1.74E-05	2.30E-05	8.60E-07	2.85E-06	3.71E-06	4.63E-07	1.32E-06	1.78E-06
846	437596.07	3762768.82	5.23E-06	1.65E-05	2.17E-05	8.12E-07	2.69E-06	3.50E-06	4.37E-07	1.25E-06	1.68E-06
847	437596.08	3762759.02	4.83E-06	1.52E-05	2.00E-05	7.50E-07	2.48E-06	3.23E-06	4.04E-07	1.15E-06	1.56E-06
848	437596.1	3762749.21	4.34E-06	1.37E-05	1.80E-05	6.74E-07	2.23E-06	2.91E-06	3.63E-07	1.04E-06	1.40E-06
849	437596.11	3762739.4	3.77E-06	1.19E-05	1.57E-05	5.87E-07	1.94E-06	2.53E-06	3.16E-07	9.01E-07	1.22E-06
850	437596.13	3762729.59	3.19E-06	1.01E-05	1.33E-05	4.96E-07	1.64E-06	2.14E-06	2.67E-07	7.62E-07	1.03E-06

851	437605.98	3762827.69	4.89E-06	1.54E-05	2.03E-05	7.59E-07	2.51E-06	3.27E-06	4.09E-07	1.17E-06	1.58E-06
852	437606	3762817.89	4.94E-06	1.56E-05	2.05E-05	7.68E-07	2.54E-06	3.31E-06	4.14E-07	1.18E-06	1.59E-06
853	437606.01	3762808.08	4.93E-06	1.55E-05	2.05E-05	7.67E-07	2.54E-06	3.30E-06	4.13E-07	1.18E-06	1.59E-06
854	437606.03	3762798.27	4.91E-06	1.55E-05	2.04E-05	7.63E-07	2.53E-06	3.29E-06	4.11E-07	1.17E-06	1.58E-06
855	437606.04	3762788.46	4.81E-06	1.52E-05	2.00E-05	7.48E-07	2.48E-06	3.22E-06	4.03E-07	1.15E-06	1.55E-06
856	437606.05	3762778.65	4.64E-06	1.46E-05	1.92E-05	7.21E-07	2.39E-06	3.11E-06	3.88E-07	1.11E-06	1.50E-06
857	437606.07	3762768.84	4.37E-06	1.38E-05	1.81E-05	6.79E-07	2.25E-06	2.93E-06	3.66E-07	1.04E-06	1.41E-06
858	437606.08	3762759.03	4.03E-06	1.27E-05	1.67E-05	6.26E-07	2.07E-06	2.70E-06	3.37E-07	9.61E-07	1.30E-06
859	437606.1	3762749.22	3.63E-06	1.14E-05	1.51E-05	5.64E-07	1.87E-06	2.43E-06	3.04E-07	8.66E-07	1.17E-06
860	437606.11	3762739.41	3.19E-06	1.01E-05	1.32E-05	4.96E-07	1.64E-06	2.14E-06	2.67E-07	7.62E-07	1.03E-06
861	437606.13	3762729.6	2.75E-06	8.66E-06	1.14E-05	4.27E-07	1.41E-06	1.84E-06	2.30E-07	6.56E-07	8.86E-07
862	437615.98	3762827.71	4.26E-06	1.34E-05	1.77E-05	6.63E-07	2.19E-06	2.86E-06	3.57E-07	1.02E-06	1.37E-06
863	437616	3762817.9	4.30E-06	1.35E-05	1.78E-05	6.68E-07	2.21E-06	2.88E-06	3.60E-07	1.03E-06	1.39E-06
864	437616.01	3762808.09	4.28E-06	1.35E-05	1.78E-05	6.65E-07	2.20E-06	2.87E-06	3.58E-07	1.02E-06	1.38E-06
865	437616.03	3762798.28	4.25E-06	1.34E-05	1.76E-05	6.60E-07	2.18E-06	2.84E-06	3.55E-07	1.01E-06	1.37E-06
866	437616.04	3762788.47	4.15E-06	1.31E-05	1.72E-05	6.45E-07	2.14E-06	2.78E-06	3.48E-07	9.91E-07	1.34E-06
867	437616.05	3762778.66	3.99E-06	1.26E-05	1.66E-05	6.21E-07	2.05E-06	2.68E-06	3.34E-07	9.53E-07	1.29E-06
868	437616.07	3762768.85	3.75E-06	1.18E-05	1.56E-05	5.83E-07	1.93E-06	2.51E-06	3.14E-07	8.96E-07	1.21E-06
869	437616.08	3762759.04	3.46E-06	1.09E-05	1.44E-05	5.38E-07	1.78E-06	2.32E-06	2.90E-07	8.26E-07	1.12E-06
870	437616.1	3762749.24	3.13E-06	9.86E-06	1.30E-05	4.87E-07	1.61E-06	2.10E-06	2.62E-07	7.47E-07	1.01E-06
871	437616.11	3762739.43	2.78E-06	8.76E-06	1.15E-05	4.32E-07	1.43E-06	1.86E-06	2.33E-07	6.64E-07	8.96E-07
872	437616.13	3762729.62	2.43E-06	7.64E-06	1.01E-05	3.77E-07	1.25E-06	1.63E-06	2.03E-07	5.79E-07	7.82E-07
873	437625.98	3762827.72	3.79E-06	1.20E-05	1.57E-05	5.90E-07	1.95E-06	2.54E-06	3.18E-07	9.06E-07	1.22E-06
874	437626	3762817.91	3.81E-06	1.20E-05	1.58E-05	5.92E-07	1.96E-06	2.55E-06	3.19E-07	9.10E-07	1.23E-06
875	437626.01	3762808.11	3.79E-06	1.19E-05	1.57E-05	5.88E-07	1.95E-06	2.54E-06	3.17E-07	9.03E-07	1.22E-06
876	437626.03	3762798.3	3.74E-06	1.18E-05	1.55E-05	5.82E-07	1.93E-06	2.51E-06	3.13E-07	8.93E-07	1.21E-06
877	437626.04	3762788.49	3.65E-06	1.15E-05	1.51E-05	5.67E-07	1.88E-06	2.44E-06	3.05E-07	8.71E-07	1.18E-06
878	437626.05	3762778.68	3.50E-06	1.10E-05	1.45E-05	5.44E-07	1.80E-06	2.34E-06	2.93E-07	8.35E-07	1.13E-06
879	437626.07	3762768.87	3.29E-06	1.03E-05	1.36E-05	5.11E-07	1.69E-06	2.20E-06	2.75E-07	7.84E-07	1.06E-06
880	437626.08	3762759.06	3.03E-06	9.55E-06	1.26E-05	4.71E-07	1.56E-06	2.03E-06	2.54E-07	7.24E-07	9.78E-07
881	437626.1	3762749.25	2.75E-06	8.67E-06	1.14E-05	4.28E-07	1.42E-06	1.84E-06	2.30E-07	6.57E-07	8.87E-07
882	437626.11	3762739.44	2.46E-06	7.76E-06	1.02E-05	3.83E-07	1.27E-06	1.65E-06	2.06E-07	5.88E-07	7.94E-07
883	437626.13	3762729.63	2.17E-06	6.84E-06	9.02E-06	3.38E-07	1.12E-06	1.46E-06	1.82E-07	5.19E-07	7.01E-07
884	437635.98	3762827.74	3.39E-06	1.07E-05	1.41E-05	5.27E-07	1.75E-06	2.27E-06	2.84E-07	8.10E-07	1.09E-06
885	437636	3762817.93	3.40E-06	1.07E-05	1.41E-05	5.28E-07	1.75E-06	2.28E-06	2.85E-07	8.11E-07	1.10E-06
886	437636.01	3762808.12	3.37E-06	1.06E-05	1.40E-05	5.23E-07	1.73E-06	2.26E-06	2.82E-07	8.04E-07	1.09E-06
887	437636.03	3762798.31	3.32E-06	1.05E-05	1.38E-05	5.16E-07	1.71E-06	2.22E-06	2.78E-07	7.92E-07	1.07E-06
888	437636.04	3762788.5	3.22E-06	1.02E-05	1.34E-05	5.01E-07	1.66E-06	2.16E-06	2.70E-07	7.69E-07	1.04E-06
889	437636.05	3762778.69	3.09E-06	9.72E-06	1.28E-05	4.80E-07	1.59E-06	2.07E-06	2.58E-07	7.36E-07	9.95E-07
890	437636.07	3762768.88	2.90E-06	9.12E-06	1.20E-05	4.50E-07	1.49E-06	1.94E-06	2.42E-07	6.91E-07	9.34E-07
891	437636.08	3762759.07	2.68E-06	8.43E-06	1.11E-05	4.16E-07	1.38E-06	1.79E-06	2.24E-07	6.39E-07	8.63E-07
892	437636.1	3762749.26	2.44E-06	7.68E-06	1.01E-05	3.79E-07	1.25E-06	1.63E-06	2.04E-07	5.82E-07	7.86E-07
893	437636.11	3762739.46	2.20E-06	6.92E-06	9.12E-06	3.42E-07	1.13E-06	1.47E-06	1.84E-07	5.25E-07	7.09E-07
894	437636.13	3762729.65	1.96E-06	6.16E-06	8.12E-06	3.04E-07	1.01E-06	1.31E-06	1.64E-07	4.67E-07	6.31E-07
895	437633.37	3762898.63	2.19E-06	6.91E-06	9.11E-06	3.41E-07	1.13E-06	1.47E-06	1.84E-07	5.24E-07	7.07E-07
896	437645.98	3762827.75	3.06E-06	9.63E-06	1.27E-05	4.75E-07	1.57E-06	2.05E-06	2.56E-07	7.30E-07	9.86E-07
897	437646	3762817.94	3.06E-06	9.64E-06	1.27E-05	4.75E-07	1.57E-06	2.05E-06	2.56E-07	7.30E-07	9.86E-07
898	437646.01	3762808.13	3.03E-06	9.53E-06	1.26E-05	4.70E-07	1.56E-06	2.03E-06	2.53E-07	7.22E-07	9.75E-07
899	437646.03	3762798.33	2.97E-06	9.36E-06	1.23E-05	4.62E-07	1.53E-06	1.99E-06	2.49E-07	7.09E-07	9.58E-07
900	437646.04	3762788.52	2.88E-06	9.07E-06	1.19E-05	4.47E-07	1.48E-06	1.93E-06	2.41E-07	6.87E-07	9.28E-07
901	437646.05	3762778.71	2.75E-06	8.66E-06	1.14E-05	4.27E-07	1.41E-06	1.84E-06	2.30E-07	6.56E-07	8.86E-07
902	437646.07	3762768.9	2.58E-06	8.13E-06	1.07E-05	4.01E-07	1.33E-06	1.73E-06	2.16E-07	6.16E-07	8.32E-07
903	437646.08	3762759.09	2.39E-06	7.53E-06	9.92E-06	3.71E-07	1.23E-06	1.60E-06	2.00E-07	5.70E-07	7.71E-07
904	437646.1	3762749.28	2.18E-06	6.88E-06	9.06E-06	3.39E-07	1.12E-06	1.46E-06	1.83E-07	5.21E-07	7.04E-07
905	437646.11	3762739.47	1.98E-06	6.22E-06	8.20E-06	3.07E-07	1.02E-06	1.32E-06	1.65E-07	4.71E-07	6.37E-07
906	437646.13	3762729.66	1.77E-06	5.57E-06	7.33E-06	2.75E-07	9.09E-07	1.18E-06	1.48E-07	4.22E-07	5.70E-07
907	437641.98	3762903.25	1.98E-06	6.23E-06	8.20E-06	3.07E-07	1.02E-06	1.32E-06	1.66E-07	4.72E-07	6.37E-07
908	437655.98	3762827.77	2.77E-06	8.71E-06	1.15E-05	4.30E-07	1.42E-06	1.85E-06	2.32E-07	6.60E-07	8.92E-07
909	437656	3762817.96	2.76E-06	8.70E-06	1.15E-05	4.29E-07	1.42E-06	1.85E-06	2.31E-07	6.60E-07	8.91E-07
910	437656.01	3762808.15	2.73E-06	8.60E-06	1.13E-05	4.24E-07	1.40E-06	1.83E-06	2.28E-07	6.51E-07	8.80E-07
911	437656.03	3762798.34	2.67E-06	8.41E-06	1.11E-05	4.15E-07	1.37E-06	1.79E-06	2.24E-07	6.38E-07	8.61E-07

912	437656.04	3762788.53	2.58E-06	8.13E-06	1.07E-05	4.01E-07	1.33E-06	1.73E-06	2.16E-07	6.16E-07	8.32E-07
913	437656.05	3762778.72	2.46E-06	7.75E-06	1.02E-05	3.83E-07	1.27E-06	1.65E-06	2.06E-07	5.88E-07	7.94E-07
914	437656.07	3762768.91	2.31E-06	7.28E-06	9.60E-06	3.59E-07	1.19E-06	1.55E-06	1.94E-07	5.52E-07	7.45E-07
915	437656.08	3762759.1	2.15E-06	6.76E-06	8.90E-06	3.33E-07	1.10E-06	1.44E-06	1.80E-07	5.12E-07	6.92E-07
916	437656.1	3762749.29	1.97E-06	6.19E-06	8.16E-06	3.06E-07	1.01E-06	1.32E-06	1.65E-07	4.69E-07	6.34E-07
917	437656.11	3762739.48	1.78E-06	5.62E-06	7.40E-06	2.77E-07	9.17E-07	1.19E-06	1.49E-07	4.26E-07	5.75E-07
918	437656.13	3762729.67	1.60E-06	5.05E-06	6.65E-06	2.49E-07	8.24E-07	1.07E-06	1.34E-07	3.82E-07	5.17E-07
919	437663.37	3762898.68	1.83E-06	5.78E-06	7.61E-06	2.85E-07	9.44E-07	1.23E-06	1.54E-07	4.38E-07	5.91E-07
920	437658.34	3762915.26	1.60E-06	5.03E-06	6.63E-06	2.48E-07	8.22E-07	1.07E-06	1.34E-07	3.81E-07	5.15E-07
921	437675.98	3762827.8	2.27E-06	7.15E-06	9.42E-06	3.53E-07	1.17E-06	1.52E-06	1.90E-07	5.42E-07	7.31E-07
922	437676	3762817.99	2.26E-06	7.11E-06	9.37E-06	3.51E-07	1.16E-06	1.51E-06	1.89E-07	5.39E-07	7.28E-07
923	437676.01	3762808.18	2.22E-06	6.99E-06	9.22E-06	3.45E-07	1.14E-06	1.49E-06	1.86E-07	5.30E-07	7.16E-07
924	437676.03	3762798.37	2.16E-06	6.81E-06	8.97E-06	3.36E-07	1.11E-06	1.45E-06	1.81E-07	5.16E-07	6.97E-07
925	437676.04	3762788.56	2.08E-06	6.56E-06	8.64E-06	3.23E-07	1.07E-06	1.39E-06	1.74E-07	4.97E-07	6.71E-07
926	437676.05	3762778.75	1.98E-06	6.24E-06	8.22E-06	3.08E-07	1.02E-06	1.33E-06	1.66E-07	4.73E-07	6.39E-07
927	437676.07	3762768.94	1.86E-06	5.87E-06	7.74E-06	2.90E-07	9.59E-07	1.25E-06	1.56E-07	4.45E-07	6.01E-07
928	437676.08	3762759.13	1.74E-06	5.47E-06	7.21E-06	2.70E-07	8.94E-07	1.16E-06	1.45E-07	4.15E-07	5.60E-07
929	437676.1	3762749.32	1.60E-06	5.05E-06	6.65E-06	2.49E-07	8.25E-07	1.07E-06	1.34E-07	3.83E-07	5.17E-07
930	437676.11	3762739.51	1.47E-06	4.62E-06	6.08E-06	2.28E-07	7.54E-07	9.82E-07	1.23E-07	3.50E-07	4.73E-07
931	437676.13	3762729.7	1.33E-06	4.19E-06	5.53E-06	2.07E-07	6.85E-07	8.92E-07	1.11E-07	3.18E-07	4.29E-07
932	437676.14	3762719.89	1.20E-06	3.79E-06	4.99E-06	1.87E-07	6.19E-07	8.05E-07	1.01E-07	2.87E-07	3.88E-07
933	437680.3	3762908.84	1.52E-06	4.80E-06	6.32E-06	2.37E-07	7.84E-07	1.02E-06	1.28E-07	3.64E-07	4.91E-07
934	437677.69	3762917.44	1.43E-06	4.50E-06	5.93E-06	2.22E-07	7.36E-07	9.58E-07	1.20E-07	3.41E-07	4.61E-07
935	437695.97	3762837.64	1.87E-06	5.90E-06	7.78E-06	2.91E-07	9.64E-07	1.26E-06	1.57E-07	4.47E-07	6.04E-07
936	437695.98	3762827.83	1.87E-06	5.90E-06	7.78E-06	2.91E-07	9.64E-07	1.26E-06	1.57E-07	4.47E-07	6.04E-07
937	437696	3762818.02	1.86E-06	5.84E-06	7.70E-06	2.88E-07	9.55E-07	1.24E-06	1.55E-07	4.43E-07	5.98E-07
938	437696.01	3762808.21	1.82E-06	5.73E-06	7.55E-06	2.83E-07	9.36E-07	1.22E-06	1.52E-07	4.34E-07	5.87E-07
939	437696.03	3762798.4	1.77E-06	5.56E-06	7.33E-06	2.74E-07	9.09E-07	1.18E-06	1.48E-07	4.22E-07	5.69E-07
940	437696.04	3762788.59	1.70E-06	5.35E-06	7.05E-06	2.64E-07	8.74E-07	1.14E-06	1.42E-07	4.05E-07	5.48E-07
941	437696.05	3762778.78	1.62E-06	5.10E-06	6.71E-06	2.51E-07	8.32E-07	1.08E-06	1.35E-07	3.86E-07	5.22E-07
942	437696.07	3762768.97	1.53E-06	4.81E-06	6.34E-06	2.37E-07	7.86E-07	1.02E-06	1.28E-07	3.64E-07	4.92E-07
943	437696.08	3762759.16	1.43E-06	4.50E-06	5.93E-06	2.22E-07	7.35E-07	9.57E-07	1.20E-07	3.41E-07	4.61E-07
944	437696.1	3762749.35	1.33E-06	4.18E-06	5.51E-06	2.06E-07	6.83E-07	8.89E-07	1.11E-07	3.17E-07	4.28E-07
945	437696.11	3762739.54	1.22E-06	3.85E-06	5.08E-06	1.90E-07	6.30E-07	8.20E-07	1.02E-07	2.92E-07	3.95E-07
946	437696.13	3762729.73	1.12E-06	3.53E-06	4.66E-06	1.74E-07	5.77E-07	7.52E-07	9.39E-08	2.68E-07	3.62E-07
947	437696.14	3762719.92	1.02E-06	3.22E-06	4.25E-06	1.59E-07	5.27E-07	6.86E-07	8.57E-08	2.44E-07	3.30E-07
948	437702.53	3762901.5	1.42E-06	4.46E-06	5.88E-06	2.20E-07	7.28E-07	9.49E-07	1.19E-07	3.38E-07	4.56E-07
949	437699.85	3762910.34	1.35E-06	4.27E-06	5.62E-06	2.10E-07	6.97E-07	9.07E-07	1.13E-07	3.23E-07	4.37E-07
950	437697.17	3762919.18	1.28E-06	4.04E-06	5.33E-06	2.00E-07	6.61E-07	8.60E-07	1.07E-07	3.06E-07	4.14E-07
951	437715.97	3762837.66	1.57E-06	4.95E-06	6.52E-06	2.44E-07	8.09E-07	1.05E-06	1.32E-07	3.75E-07	5.07E-07
952	437715.98	3762827.86	1.57E-06	4.93E-06	6.49E-06	2.43E-07	8.05E-07	1.05E-06	1.31E-07	3.74E-07	5.05E-07
953	437716	3762818.05	1.54E-06	4.86E-06	6.41E-06	2.40E-07	7.95E-07	1.03E-06	1.29E-07	3.69E-07	4.98E-07
954	437716.01	3762808.24	1.51E-06	4.76E-06	6.27E-06	2.35E-07	7.77E-07	1.01E-06	1.26E-07	3.61E-07	4.87E-07
955	437716.03	3762798.43	1.47E-06	4.61E-06	6.08E-06	2.28E-07	7.54E-07	9.81E-07	1.23E-07	3.50E-07	4.72E-07
956	437716.04	3762788.62	1.41E-06	4.44E-06	5.85E-06	2.19E-07	7.25E-07	9.44E-07	1.18E-07	3.36E-07	4.54E-07
957	437716.05	3762778.81	1.34E-06	4.23E-06	5.58E-06	2.09E-07	6.91E-07	9.00E-07	1.12E-07	3.21E-07	4.33E-07
958	437716.07	3762769	1.27E-06	4.01E-06	5.28E-06	1.98E-07	6.54E-07	8.52E-07	1.06E-07	3.04E-07	4.10E-07
959	437716.08	3762759.19	1.20E-06	3.77E-06	4.96E-06	1.86E-07	6.15E-07	8.01E-07	1.00E-07	2.85E-07	3.85E-07
960	437716.1	3762749.38	1.12E-06	3.52E-06	4.63E-06	1.73E-07	5.74E-07	7.48E-07	9.34E-08	2.66E-07	3.60E-07
961	437716.11	3762739.57	1.04E-06	3.26E-06	4.30E-06	1.61E-07	5.33E-07	6.94E-07	8.68E-08	2.47E-07	3.34E-07
962	437716.13	3762729.76	9.58E-07	3.02E-06	3.97E-06	1.49E-07	4.93E-07	6.42E-07	8.02E-08	2.29E-07	3.09E-07
963	437716.14	3762719.95	8.81E-07	2.78E-06	3.66E-06	1.37E-07	4.53E-07	5.90E-07	7.38E-08	2.10E-07	2.84E-07
964	437735.97	3762837.69	1.33E-06	4.20E-06	5.53E-06	2.07E-07	6.86E-07	8.93E-07	1.12E-07	3.18E-07	4.30E-07
965	437735.98	3762827.88	1.32E-06	4.17E-06	5.49E-06	2.06E-07	6.81E-07	8.86E-07	1.11E-07	3.16E-07	4.26E-07
966	437736	3762818.07	1.30E-06	4.10E-06	5.40E-06	2.02E-07	6.70E-07	8.72E-07	1.09E-07	3.11E-07	4.20E-07
967	437736.01	3762808.27	1.27E-06	4.00E-06	5.27E-06	1.98E-07	6.54E-07	8.51E-07	1.06E-07	3.03E-07	4.10E-07
968	437736.03	3762798.46	1.23E-06	3.88E-06	5.11E-06	1.91E-07	6.34E-07	8.25E-07	1.03E-07	2.94E-07	3.97E-07
969	437736.04	3762788.65	1.19E-06	3.73E-06	4.92E-06	1.84E-07	6.10E-07	7.94E-07	9.92E-08	2.83E-07	3.82E-07
970	437736.05	3762778.84	1.13E-06	3.57E-06	4.70E-06	1.76E-07	5.83E-07	7.59E-07	9.48E-08	2.70E-07	3.65E-07
971	437736.07	3762769.03	1.08E-06	3.39E-06	4.46E-06	1.67E-07	5.53E-07	7.20E-07	9.00E-08	2.57E-07	3.47E-07
972	437736.08	3762759.22	1.01E-06	3.19E-06	4.21E-06	1.58E-07	5.22E-07	6.80E-07	8.49E-08	2.42E-07	3.27E-07

973	437736.1	3762749.41	9.52E-07	3.00E-06	3.95E-06	1.48E-07	4.90E-07	6.37E-07	7.97E-08	2.27E-07	3.07E-07
974	437736.11	3762739.6	8.89E-07	2.80E-06	3.69E-06	1.38E-07	4.57E-07	5.96E-07	7.44E-08	2.12E-07	2.87E-07
975	437736.13	3762729.79	8.27E-07	2.60E-06	3.43E-06	1.28E-07	4.25E-07	5.54E-07	6.92E-08	1.97E-07	2.67E-07
976	437736.14	3762719.98	7.66E-07	2.41E-06	3.18E-06	1.19E-07	3.94E-07	5.13E-07	6.41E-08	1.83E-07	2.47E-07
977	437744.77	3762894.19	1.14E-06	3.58E-06	4.72E-06	1.77E-07	5.86E-07	7.62E-07	9.53E-08	2.72E-07	3.67E-07
978	437741.98	3762903.4	1.11E-06	3.51E-06	4.62E-06	1.73E-07	5.73E-07	7.46E-07	9.32E-08	2.66E-07	3.59E-07
979	437739.18	3762912.61	1.08E-06	3.41E-06	4.49E-06	1.68E-07	5.57E-07	7.25E-07	9.06E-08	2.58E-07	3.49E-07
980	437736.39	3762921.82	1.04E-06	3.29E-06	4.33E-06	1.62E-07	5.37E-07	6.99E-07	8.73E-08	2.49E-07	3.36E-07
981	437755.97	3762837.72	1.14E-06	3.60E-06	4.75E-06	1.78E-07	5.88E-07	7.66E-07	9.57E-08	2.73E-07	3.69E-07
982	437755.98	3762827.91	1.13E-06	3.56E-06	4.69E-06	1.76E-07	5.82E-07	7.58E-07	9.47E-08	2.70E-07	3.65E-07
983	437756	3762818.1	1.11E-06	3.50E-06	4.61E-06	1.73E-07	5.71E-07	7.44E-07	9.30E-08	2.65E-07	3.58E-07
984	437756.01	3762808.29	1.08E-06	3.41E-06	4.49E-06	1.68E-07	5.57E-07	7.25E-07	9.06E-08	2.58E-07	3.49E-07
985	437756.03	3762798.49	1.05E-06	3.30E-06	4.35E-06	1.63E-07	5.40E-07	7.03E-07	8.78E-08	2.50E-07	3.38E-07
986	437756.04	3762788.68	1.01E-06	3.18E-06	4.19E-06	1.57E-07	5.20E-07	6.77E-07	8.46E-08	2.41E-07	3.26E-07
987	437756.05	3762778.87	9.67E-07	3.05E-06	4.01E-06	1.50E-07	4.98E-07	6.48E-07	8.10E-08	2.31E-07	3.12E-07
988	437756.07	3762769.06	9.20E-07	2.90E-06	3.82E-06	1.43E-07	4.74E-07	6.17E-07	7.70E-08	2.20E-07	2.97E-07
989	437756.08	3762759.25	8.71E-07	2.74E-06	3.61E-06	1.35E-07	4.48E-07	5.84E-07	7.29E-08	2.08E-07	2.81E-07
990	437756.1	3762749.44	8.21E-07	2.59E-06	3.41E-06	1.28E-07	4.22E-07	5.50E-07	6.87E-08	1.96E-07	2.65E-07
991	437756.11	3762739.63	7.71E-07	2.43E-06	3.20E-06	1.20E-07	3.97E-07	5.16E-07	6.45E-08	1.84E-07	2.49E-07
992	437756.13	3762729.82	7.21E-07	2.27E-06	2.99E-06	1.12E-07	3.71E-07	4.83E-07	6.04E-08	1.72E-07	2.32E-07
993	437756.14	3762720.01	6.72E-07	2.12E-06	2.79E-06	1.04E-07	3.46E-07	4.50E-07	5.63E-08	1.60E-07	2.17E-07
994	437764.6	3762894.78	1.01E-06	3.18E-06	4.18E-06	1.57E-07	5.19E-07	6.75E-07	8.44E-08	2.41E-07	3.25E-07
995	437761.76	3762904.14	9.93E-07	3.13E-06	4.12E-06	1.54E-07	5.11E-07	6.65E-07	8.31E-08	2.37E-07	3.20E-07
996	437758.92	3762913.49	9.70E-07	3.05E-06	4.02E-06	1.51E-07	4.99E-07	6.50E-07	8.12E-08	2.31E-07	3.13E-07
997	437756.09	3762922.84	9.41E-07	2.96E-06	3.90E-06	1.46E-07	4.84E-07	6.30E-07	7.88E-08	2.25E-07	3.03E-07
998	437753.25	3762932.2	9.06E-07	2.85E-06	3.76E-06	1.41E-07	4.66E-07	6.07E-07	7.59E-08	2.16E-07	2.92E-07
999	437750.42	3762941.55	8.68E-07	2.73E-06	3.60E-06	1.35E-07	4.46E-07	5.81E-07	7.26E-08	2.07E-07	2.80E-07
1000	437747.58	3762950.9	8.25E-07	2.60E-06	3.42E-06	1.28E-07	4.24E-07	5.52E-07	6.90E-08	1.97E-07	2.66E-07
1001	437744.74	3762960.25	7.79E-07	2.45E-06	3.23E-06	1.21E-07	4.01E-07	5.22E-07	6.52E-08	1.86E-07	2.51E-07
1002	437741.91	3762969.61	7.32E-07	2.30E-06	3.04E-06	1.14E-07	3.76E-07	4.90E-07	6.12E-08	1.75E-07	2.36E-07
1003	437782.53	3762901.61	8.89E-07	2.80E-06	3.69E-06	1.38E-07	4.58E-07	5.96E-07	7.44E-08	2.12E-07	2.87E-07
1004	437779.85	3762910.46	8.78E-07	2.76E-06	3.64E-06	1.36E-07	4.52E-07	5.88E-07	7.35E-08	2.09E-07	2.83E-07
1005	437777.17	3762919.3	8.61E-07	2.71E-06	3.57E-06	1.34E-07	4.43E-07	5.77E-07	7.21E-08	2.05E-07	2.78E-07
1006	437774.49	3762928.14	8.39E-07	2.64E-06	3.48E-06	1.30E-07	4.32E-07	5.62E-07	7.03E-08	2.00E-07	2.71E-07
1007	437771.81	3762936.99	8.14E-07	2.56E-06	3.38E-06	1.26E-07	4.19E-07	5.45E-07	6.81E-08	1.94E-07	2.62E-07
1008	437769.13	3762945.83	7.84E-07	2.47E-06	3.25E-06	1.22E-07	4.03E-07	5.25E-07	6.56E-08	1.87E-07	2.53E-07
1009	437766.45	3762954.67	7.52E-07	2.37E-06	3.12E-06	1.17E-07	3.87E-07	5.03E-07	6.29E-08	1.79E-07	2.42E-07
1010	437763.77	3762963.52	7.16E-07	2.26E-06	2.97E-06	1.11E-07	3.68E-07	4.80E-07	5.99E-08	1.71E-07	2.31E-07
1011	437761.08	3762972.36	6.79E-07	2.14E-06	2.82E-06	1.05E-07	3.49E-07	4.55E-07	5.68E-08	1.62E-07	2.19E-07
1012	437758.4	3762981.2	6.40E-07	2.02E-06	2.66E-06	9.95E-08	3.29E-07	4.29E-07	5.36E-08	1.53E-07	2.06E-07
1013	437795.95	3762847.59	8.71E-07	2.74E-06	3.62E-06	1.35E-07	4.48E-07	5.84E-07	7.29E-08	2.08E-07	2.81E-07
1014	437795.97	3762837.78	8.63E-07	2.72E-06	3.58E-06	1.34E-07	4.44E-07	5.78E-07	7.23E-08	2.06E-07	2.78E-07
1015	437795.98	3762827.97	8.51E-07	2.68E-06	3.53E-06	1.32E-07	4.38E-07	5.70E-07	7.12E-08	2.03E-07	2.74E-07
1016	437794.15	3762929.28	7.63E-07	2.40E-06	3.16E-06	1.18E-07	3.92E-07	5.11E-07	6.38E-08	1.82E-07	2.46E-07
1017	437791.43	3762938.26	7.43E-07	2.34E-06	3.08E-06	1.16E-07	3.82E-07	4.98E-07	6.22E-08	1.77E-07	2.40E-07
1018	437788.71	3762947.24	7.21E-07	2.27E-06	2.99E-06	1.12E-07	3.71E-07	4.83E-07	6.03E-08	1.72E-07	2.32E-07
1019	437785.99	3762956.22	6.95E-07	2.19E-06	2.88E-06	1.08E-07	3.57E-07	4.65E-07	5.81E-08	1.66E-07	2.24E-07
1020	437783.26	3762965.2	6.66E-07	2.10E-06	2.76E-06	1.03E-07	3.43E-07	4.46E-07	5.57E-08	1.59E-07	2.15E-07
1021	437780.54	3762974.18	6.35E-07	2.00E-06	2.64E-06	9.87E-08	3.27E-07	4.26E-07	5.32E-08	1.52E-07	2.05E-07
1022	437777.82	3762983.16	6.03E-07	1.90E-06	2.50E-06	9.37E-08	3.10E-07	4.04E-07	5.05E-08	1.44E-07	1.94E-07
1023	437775.09	3762992.15	5.69E-07	1.79E-06	2.36E-06	8.85E-08	2.93E-07	3.81E-07	4.77E-08	1.36E-07	1.84E-07
1024	437815.95	3762847.62	7.68E-07	2.42E-06	3.19E-06	1.19E-07	3.95E-07	5.15E-07	6.43E-08	1.83E-07	2.48E-07
1025	437815.97	3762837.81	7.60E-07	2.39E-06	3.15E-06	1.18E-07	3.91E-07	5.09E-07	6.36E-08	1.81E-07	2.45E-07
1026	437815.98	3762828	7.47E-07	2.35E-06	3.10E-06	1.16E-07	3.84E-07	5.01E-07	6.26E-08	1.78E-07	2.41E-07
1027	437816	3762818.19	7.32E-07	2.30E-06	3.04E-06	1.14E-07	3.76E-07	4.90E-07	6.12E-08	1.75E-07	2.36E-07
1028	437816.01	3762808.38	7.11E-07	2.24E-06	2.95E-06	1.11E-07	3.66E-07	4.77E-07	5.95E-08	1.70E-07	2.29E-07
1029	437816.03	3762798.57	6.88E-07	2.17E-06	2.86E-06	1.07E-07	3.54E-07	4.61E-07	5.76E-08	1.64E-07	2.22E-07
1030	437816.04	3762788.76	6.63E-07	2.09E-06	2.75E-06	1.03E-07	3.41E-07	4.44E-07	5.55E-08	1.58E-07	2.14E-07
1031	437816.05	3762778.95	6.36E-07	2.00E-06	2.64E-06	9.88E-08	3.27E-07	4.26E-07	5.32E-08	1.52E-07	2.05E-07
1032	437816.07	3762769.15	6.11E-07	1.92E-06	2.53E-06	9.49E-08	3.14E-07	4.09E-07	5.11E-08	1.46E-07	1.97E-07
1033	437816.08	3762759.34	5.85E-07	1.84E-06	2.43E-06	9.09E-08	3.01E-07	3.92E-07	4.89E-08	1.40E-07	1.88E-07

1034	437816.1	3762749.53	5.58E-07	1.76E-06	2.32E-06	8.67E-08	2.87E-07	3.74E-07	4.67E-08	1.33E-07	1.80E-07
1035	437816.11	3762739.72	5.31E-07	1.67E-06	2.20E-06	8.25E-08	2.73E-07	3.56E-07	4.44E-08	1.27E-07	1.71E-07
1036	437816.13	3762729.91	5.03E-07	1.58E-06	2.09E-06	7.81E-08	2.59E-07	3.37E-07	4.21E-08	1.20E-07	1.62E-07
1037	437816.14	3762720.1	4.75E-07	1.50E-06	1.97E-06	7.38E-08	2.44E-07	3.18E-07	3.97E-08	1.13E-07	1.53E-07
1038	437800.06	3762975.8	5.94E-07	1.87E-06	2.47E-06	9.24E-08	3.06E-07	3.98E-07	4.98E-08	1.42E-07	1.92E-07
1039	437797.3	3762984.9	5.67E-07	1.79E-06	2.35E-06	8.81E-08	2.92E-07	3.80E-07	4.75E-08	1.35E-07	1.83E-07
1040	437794.54	3762994	5.38E-07	1.70E-06	2.23E-06	8.37E-08	2.77E-07	3.61E-07	4.51E-08	1.28E-07	1.74E-07
1041	437791.78	3763003.11	5.08E-07	1.60E-06	2.11E-06	7.90E-08	2.62E-07	3.41E-07	4.26E-08	1.21E-07	1.64E-07
1042	437835.95	3762847.65	6.81E-07	2.15E-06	2.83E-06	1.06E-07	3.50E-07	4.56E-07	5.70E-08	1.63E-07	2.20E-07
1043	437835.97	3762837.84	6.73E-07	2.12E-06	2.79E-06	1.05E-07	3.46E-07	4.51E-07	5.63E-08	1.61E-07	2.17E-07
1044	437835.98	3762828.03	6.61E-07	2.08E-06	2.74E-06	1.03E-07	3.40E-07	4.43E-07	5.53E-08	1.58E-07	2.13E-07
1045	437836	3762818.22	6.47E-07	2.04E-06	2.68E-06	1.00E-07	3.33E-07	4.33E-07	5.41E-08	1.54E-07	2.08E-07
1046	437836.01	3762808.41	6.30E-07	1.99E-06	2.62E-06	9.79E-08	3.24E-07	4.22E-07	5.28E-08	1.50E-07	2.03E-07
1047	437836.03	3762798.6	6.11E-07	1.93E-06	2.54E-06	9.50E-08	3.15E-07	4.10E-07	5.12E-08	1.46E-07	1.97E-07
1048	437836.04	3762788.79	5.90E-07	1.86E-06	2.45E-06	9.16E-08	3.03E-07	3.95E-07	4.93E-08	1.41E-07	1.90E-07
1049	437836.05	3762778.98	5.67E-07	1.78E-06	2.35E-06	8.80E-08	2.91E-07	3.79E-07	4.74E-08	1.35E-07	1.83E-07
1050	437836.07	3762769.17	5.45E-07	1.72E-06	2.26E-06	8.47E-08	2.81E-07	3.65E-07	4.56E-08	1.30E-07	1.76E-07
1051	437836.08	3762759.36	5.23E-07	1.65E-06	2.17E-06	8.13E-08	2.69E-07	3.51E-07	4.38E-08	1.25E-07	1.69E-07
1052	437836.1	3762749.56	5.00E-07	1.57E-06	2.07E-06	7.76E-08	2.57E-07	3.35E-07	4.18E-08	1.19E-07	1.61E-07
1053	437836.11	3762739.75	4.75E-07	1.50E-06	1.97E-06	7.39E-08	2.45E-07	3.18E-07	3.98E-08	1.13E-07	1.53E-07
1054	437836.13	3762729.94	4.51E-07	1.42E-06	1.87E-06	7.02E-08	2.32E-07	3.02E-07	3.78E-08	1.08E-07	1.46E-07
1055	437836.14	3762720.13	4.28E-07	1.35E-06	1.77E-06	6.65E-08	2.20E-07	2.86E-07	3.58E-08	1.02E-07	1.38E-07
1056	437844.77	3762894.33	6.45E-07	2.03E-06	2.68E-06	1.00E-07	3.32E-07	4.32E-07	5.40E-08	1.54E-07	2.08E-07
1057	437841.97	3762903.54	6.45E-07	2.03E-06	2.68E-06	1.00E-07	3.32E-07	4.32E-07	5.40E-08	1.54E-07	2.08E-07
1058	437839.18	3762912.76	6.43E-07	2.03E-06	2.67E-06	1.00E-07	3.31E-07	4.31E-07	5.38E-08	1.54E-07	2.07E-07
1059	437836.39	3762921.97	6.39E-07	2.01E-06	2.65E-06	9.93E-08	3.29E-07	4.28E-07	5.35E-08	1.52E-07	2.06E-07
1060	437833.6	3762931.18	6.32E-07	1.99E-06	2.62E-06	9.81E-08	3.25E-07	4.23E-07	5.29E-08	1.51E-07	2.04E-07
1061	437830.8	3762940.39	6.22E-07	1.96E-06	2.58E-06	9.66E-08	3.20E-07	4.17E-07	5.21E-08	1.48E-07	2.00E-07
1062	437828.01	3762949.6	6.10E-07	1.92E-06	2.53E-06	9.47E-08	3.14E-07	4.08E-07	5.10E-08	1.45E-07	1.96E-07
1063	437825.22	3762958.81	5.95E-07	1.87E-06	2.47E-06	9.24E-08	3.06E-07	3.98E-07	4.98E-08	1.42E-07	1.92E-07
1064	437822.42	3762968.02	5.77E-07	1.82E-06	2.39E-06	8.96E-08	2.97E-07	3.86E-07	4.83E-08	1.38E-07	1.86E-07
1065	437819.63	3762977.24	5.56E-07	1.75E-06	2.31E-06	8.64E-08	2.86E-07	3.72E-07	4.65E-08	1.33E-07	1.79E-07
1066	437816.84	3762986.45	5.33E-07	1.68E-06	2.21E-06	8.28E-08	2.74E-07	3.57E-07	4.46E-08	1.27E-07	1.72E-07
1067	437855.95	3762847.68	6.07E-07	1.91E-06	2.52E-06	9.43E-08	3.12E-07	4.07E-07	5.08E-08	1.45E-07	1.96E-07
1068	437855.97	3762837.87	5.99E-07	1.89E-06	2.48E-06	9.31E-08	3.08E-07	4.01E-07	5.01E-08	1.43E-07	1.93E-07
1069	437855.98	3762828.06	5.88E-07	1.85E-06	2.44E-06	9.14E-08	3.03E-07	3.94E-07	4.92E-08	1.40E-07	1.90E-07
1070	437856	3762818.25	5.76E-07	1.81E-06	2.39E-06	8.94E-08	2.96E-07	3.86E-07	4.82E-08	1.37E-07	1.86E-07
1071	437856.01	3762808.44	5.61E-07	1.77E-06	2.33E-06	8.72E-08	2.89E-07	3.76E-07	4.70E-08	1.34E-07	1.81E-07
1072	437856.03	3762798.63	5.45E-07	1.72E-06	2.26E-06	8.46E-08	2.80E-07	3.65E-07	4.56E-08	1.30E-07	1.76E-07
1073	437856.04	3762788.82	5.27E-07	1.66E-06	2.19E-06	8.19E-08	2.71E-07	3.53E-07	4.41E-08	1.26E-07	1.70E-07
1074	437856.05	3762779.01	5.09E-07	1.60E-06	2.11E-06	7.91E-08	2.62E-07	3.41E-07	4.26E-08	1.21E-07	1.64E-07
1075	437856.07	3762769.2	4.89E-07	1.54E-06	2.03E-06	7.60E-08	2.52E-07	3.28E-07	4.10E-08	1.17E-07	1.58E-07
1076	437856.08	3762759.39	4.69E-07	1.48E-06	1.95E-06	7.29E-08	2.41E-07	3.14E-07	3.93E-08	1.12E-07	1.51E-07
1077	437856.1	3762749.58	4.49E-07	1.41E-06	1.86E-06	6.98E-08	2.31E-07	3.01E-07	3.76E-08	1.07E-07	1.45E-07
1078	437856.11	3762739.78	4.28E-07	1.35E-06	1.78E-06	6.66E-08	2.20E-07	2.87E-07	3.59E-08	1.02E-07	1.38E-07
1079	437856.13	3762729.97	4.08E-07	1.28E-06	1.69E-06	6.34E-08	2.10E-07	2.73E-07	3.41E-08	9.73E-08	1.31E-07
1080	437856.14	3762720.16	3.87E-07	1.22E-06	1.61E-06	6.02E-08	1.99E-07	2.59E-07	3.24E-08	9.24E-08	1.25E-07
1081	437874.88	3762894.01	5.53E-07	1.74E-06	2.30E-06	8.60E-08	2.85E-07	3.71E-07	4.63E-08	1.32E-07	1.78E-07
1082	437872.11	3762903.13	5.55E-07	1.75E-06	2.30E-06	8.63E-08	2.86E-07	3.72E-07	4.65E-08	1.32E-07	1.79E-07
1083	437869.35	3762912.25	5.56E-07	1.75E-06	2.31E-06	8.63E-08	2.86E-07	3.72E-07	4.65E-08	1.33E-07	1.79E-07
1084	437866.58	3762921.37	5.54E-07	1.74E-06	2.30E-06	8.61E-08	2.85E-07	3.71E-07	4.64E-08	1.32E-07	1.79E-07
1085	437863.82	3762930.49	5.50E-07	1.73E-06	2.28E-06	8.55E-08	2.83E-07	3.69E-07	4.61E-08	1.31E-07	1.77E-07
1086	437861.05	3762939.6	5.45E-07	1.72E-06	2.26E-06	8.47E-08	2.80E-07	3.65E-07	4.56E-08	1.30E-07	1.76E-07
1087	437858.29	3762948.72	5.37E-07	1.69E-06	2.23E-06	8.34E-08	2.76E-07	3.60E-07	4.50E-08	1.28E-07	1.73E-07
1088	437855.52	3762957.84	5.27E-07	1.66E-06	2.19E-06	8.19E-08	2.71E-07	3.53E-07	4.41E-08	1.26E-07	1.70E-07
1089	437852.76	3762966.96	5.16E-07	1.62E-06	2.14E-06	8.01E-08	2.65E-07	3.45E-07	4.32E-08	1.23E-07	1.66E-07
1090	437849.99	3762976.08	5.03E-07	1.58E-06	2.09E-06	7.81E-08	2.59E-07	3.37E-07	4.21E-08	1.20E-07	1.62E-07
1091	437847.23	3762985.2	4.88E-07	1.54E-06	2.03E-06	7.59E-08	2.51E-07	3.27E-07	4.09E-08	1.17E-07	1.57E-07
1092	437844.46	3762994.32	4.72E-07	1.49E-06	1.96E-06	7.33E-08	2.43E-07	3.16E-07	3.95E-08	1.13E-07	1.52E-07
1093	437841.7	3763003.44	4.53E-07	1.43E-06	1.88E-06	7.04E-08	2.33E-07	3.04E-07	3.79E-08	1.08E-07	1.46E-07
1094	437838.93	3763012.56	4.34E-07	1.37E-06	1.80E-06	6.74E-08	2.23E-07	2.91E-07	3.63E-08	1.04E-07	1.40E-07

1095	437836.17	3763021.68	4.14E-07	1.30E-06	1.72E-06	6.43E-08	2.13E-07	2.77E-07	3.46E-08	9.87E-08	1.33E-07
1096	437833.4	3763030.8	3.93E-07	1.24E-06	1.63E-06	6.11E-08	2.02E-07	2.63E-07	3.29E-08	9.39E-08	1.27E-07
1097	437885.95	3762847.72	5.16E-07	1.62E-06	2.14E-06	8.01E-08	2.65E-07	3.45E-07	4.32E-08	1.23E-07	1.66E-07
1098	437885.97	3762837.91	5.08E-07	1.60E-06	2.11E-06	7.89E-08	2.61E-07	3.40E-07	4.25E-08	1.21E-07	1.64E-07
1099	437885.98	3762828.1	4.99E-07	1.57E-06	2.07E-06	7.75E-08	2.57E-07	3.34E-07	4.18E-08	1.19E-07	1.61E-07
1100	437886	3762818.29	4.88E-07	1.54E-06	2.02E-06	7.58E-08	2.51E-07	3.27E-07	4.08E-08	1.16E-07	1.57E-07
1101	437886.01	3762808.48	4.76E-07	1.50E-06	1.97E-06	7.40E-08	2.45E-07	3.19E-07	3.98E-08	1.14E-07	1.53E-07
1102	437886.03	3762798.67	4.63E-07	1.46E-06	1.92E-06	7.20E-08	2.38E-07	3.10E-07	3.88E-08	1.11E-07	1.49E-07
1103	437886.04	3762788.87	4.49E-07	1.41E-06	1.86E-06	6.98E-08	2.31E-07	3.01E-07	3.76E-08	1.07E-07	1.45E-07
1104	437886.05	3762779.06	4.35E-07	1.37E-06	1.80E-06	6.75E-08	2.24E-07	2.91E-07	3.64E-08	1.04E-07	1.40E-07
1105	437886.07	3762769.25	4.19E-07	1.32E-06	1.74E-06	6.51E-08	2.15E-07	2.81E-07	3.51E-08	9.99E-08	1.35E-07
1106	437886.08	3762759.44	4.03E-07	1.27E-06	1.67E-06	6.26E-08	2.07E-07	2.70E-07	3.37E-08	9.61E-08	1.30E-07
1107	437886.1	3762749.63	3.86E-07	1.22E-06	1.60E-06	6.00E-08	1.99E-07	2.59E-07	3.23E-08	9.22E-08	1.24E-07
1108	437886.11	3762739.82	3.70E-07	1.16E-06	1.53E-06	5.74E-08	1.90E-07	2.48E-07	3.09E-08	8.82E-08	1.19E-07
1109	437886.13	3762730.01	3.53E-07	1.11E-06	1.47E-06	5.49E-08	1.82E-07	2.37E-07	2.96E-08	8.43E-08	1.14E-07
1110	437886.14	3762720.2	3.37E-07	1.06E-06	1.40E-06	5.23E-08	1.73E-07	2.26E-07	2.82E-08	8.04E-08	1.09E-07
1111	437904.97	3762893.75	4.78E-07	1.51E-06	1.98E-06	7.43E-08	2.46E-07	3.20E-07	4.00E-08	1.14E-07	1.54E-07
1112	437902.23	3762902.79	4.81E-07	1.52E-06	2.00E-06	7.48E-08	2.48E-07	3.22E-07	4.03E-08	1.15E-07	1.55E-07
1113	437899.49	3762911.84	4.83E-07	1.52E-06	2.01E-06	7.51E-08	2.49E-07	3.24E-07	4.05E-08	1.15E-07	1.56E-07
1114	437896.74	3762920.88	4.84E-07	1.52E-06	2.01E-06	7.52E-08	2.49E-07	3.24E-07	4.05E-08	1.15E-07	1.56E-07
1115	437872.07	3763002.28	4.20E-07	1.32E-06	1.74E-06	6.53E-08	2.16E-07	2.81E-07	3.52E-08	1.00E-07	1.35E-07
1116	437869.32	3763011.32	4.06E-07	1.28E-06	1.69E-06	6.31E-08	2.09E-07	2.72E-07	3.40E-08	9.69E-08	1.31E-07
1117	437866.58	3763020.37	3.91E-07	1.23E-06	1.62E-06	6.08E-08	2.01E-07	2.62E-07	3.28E-08	9.34E-08	1.26E-07
1118	437915.95	3762847.76	4.42E-07	1.39E-06	1.83E-06	6.87E-08	2.27E-07	2.96E-07	3.70E-08	1.06E-07	1.43E-07
1119	437915.97	3762837.96	4.35E-07	1.37E-06	1.81E-06	6.77E-08	2.24E-07	2.92E-07	3.64E-08	1.04E-07	1.40E-07
1120	437915.98	3762828.15	4.27E-07	1.35E-06	1.77E-06	6.64E-08	2.20E-07	2.86E-07	3.58E-08	1.02E-07	1.38E-07
1121	437916	3762818.34	4.18E-07	1.32E-06	1.74E-06	6.50E-08	2.15E-07	2.80E-07	3.50E-08	9.99E-08	1.35E-07
1122	437916.01	3762808.53	4.09E-07	1.29E-06	1.70E-06	6.35E-08	2.10E-07	2.74E-07	3.42E-08	9.75E-08	1.32E-07
1123	437916.03	3762798.72	3.98E-07	1.25E-06	1.65E-06	6.18E-08	2.05E-07	2.67E-07	3.33E-08	9.50E-08	1.28E-07
1124	437916.04	3762788.91	3.87E-07	1.22E-06	1.60E-06	6.01E-08	1.99E-07	2.59E-07	3.24E-08	9.23E-08	1.25E-07
1125	437916.05	3762779.1	3.75E-07	1.18E-06	1.55E-06	5.82E-08	1.93E-07	2.51E-07	3.14E-08	8.94E-08	1.21E-07
1126	437916.07	3762769.29	3.62E-07	1.14E-06	1.50E-06	5.62E-08	1.86E-07	2.42E-07	3.03E-08	8.64E-08	1.17E-07
1127	437916.08	3762759.48	3.49E-07	1.10E-06	1.45E-06	5.42E-08	1.79E-07	2.34E-07	2.92E-08	8.32E-08	1.12E-07
1128	437916.1	3762749.67	3.35E-07	1.06E-06	1.39E-06	5.21E-08	1.73E-07	2.25E-07	2.81E-08	8.00E-08	1.08E-07
1129	437916.11	3762739.86	3.22E-07	1.01E-06	1.34E-06	5.00E-08	1.66E-07	2.16E-07	2.69E-08	7.68E-08	1.04E-07
1130	437916.13	3762730.05	3.08E-07	9.71E-07	1.28E-06	4.79E-08	1.59E-07	2.07E-07	2.58E-08	7.36E-08	9.94E-08
1131	437916.14	3762720.24	2.95E-07	9.29E-07	1.22E-06	4.58E-08	1.52E-07	1.98E-07	2.47E-08	7.04E-08	9.51E-08
1132	437934.57	3762895.1	4.15E-07	1.31E-06	1.72E-06	6.45E-08	2.14E-07	2.78E-07	3.48E-08	9.91E-08	1.34E-07
1133	437931.73	3762904.48	4.19E-07	1.32E-06	1.74E-06	6.51E-08	2.16E-07	2.81E-07	3.51E-08	1.00E-07	1.35E-07
1134	437928.89	3762913.85	4.22E-07	1.33E-06	1.75E-06	6.56E-08	2.17E-07	2.83E-07	3.54E-08	1.01E-07	1.36E-07
1135	437926.05	3762923.22	4.24E-07	1.34E-06	1.76E-06	6.59E-08	2.18E-07	2.84E-07	3.55E-08	1.01E-07	1.37E-07
1136	437914.68	3762960.71	4.18E-07	1.32E-06	1.73E-06	6.49E-08	2.15E-07	2.80E-07	3.50E-08	9.97E-08	1.35E-07
1137	437911.84	3762970.08	4.13E-07	1.30E-06	1.71E-06	6.42E-08	2.12E-07	2.77E-07	3.46E-08	9.85E-08	1.33E-07
1138	437909	3762979.45	4.06E-07	1.28E-06	1.69E-06	6.31E-08	2.09E-07	2.72E-07	3.40E-08	9.70E-08	1.31E-07
1139	437906.16	3762988.82	3.99E-07	1.26E-06	1.65E-06	6.19E-08	2.05E-07	2.67E-07	3.34E-08	9.51E-08	1.28E-07
1140	437903.32	3762998.19	3.90E-07	1.23E-06	1.62E-06	6.06E-08	2.01E-07	2.61E-07	3.27E-08	9.31E-08	1.26E-07
1141	437900.48	3763007.56	3.81E-07	1.20E-06	1.58E-06	5.91E-08	1.96E-07	2.55E-07	3.19E-08	9.08E-08	1.23E-07
1142	437889.11	3763045.05	3.31E-07	1.04E-06	1.37E-06	5.14E-08	1.70E-07	2.22E-07	2.77E-08	7.90E-08	1.07E-07
1143	437886.27	3763054.42	3.17E-07	9.97E-07	1.31E-06	4.92E-08	1.63E-07	2.12E-07	2.65E-08	7.56E-08	1.02E-07
1144	437883.43	3763063.79	3.02E-07	9.50E-07	1.25E-06	4.69E-08	1.55E-07	2.02E-07	2.52E-08	7.20E-08	9.72E-08
1145	437945.95	3762847.81	3.83E-07	1.21E-06	1.59E-06	5.95E-08	1.97E-07	2.57E-07	3.21E-08	9.14E-08	1.24E-07
1146	437945.97	3762838	3.77E-07	1.19E-06	1.57E-06	5.86E-08	1.94E-07	2.53E-07	3.16E-08	9.00E-08	1.22E-07
1147	437945.98	3762828.19	3.70E-07	1.17E-06	1.54E-06	5.75E-08	1.91E-07	2.48E-07	3.10E-08	8.84E-08	1.19E-07
1148	437946	3762818.38	3.63E-07	1.14E-06	1.50E-06	5.63E-08	1.87E-07	2.43E-07	3.03E-08	8.65E-08	1.17E-07
1149	437946.01	3762808.57	3.54E-07	1.12E-06	1.47E-06	5.50E-08	1.82E-07	2.37E-07	2.96E-08	8.45E-08	1.14E-07
1150	437946.03	3762798.76	3.45E-07	1.09E-06	1.43E-06	5.36E-08	1.78E-07	2.31E-07	2.89E-08	8.24E-08	1.11E-07
1151	437946.04	3762788.95	3.36E-07	1.06E-06	1.39E-06	5.22E-08	1.73E-07	2.25E-07	2.81E-08	8.01E-08	1.08E-07
1152	437946.05	3762779.14	3.26E-07	1.03E-06	1.35E-06	5.06E-08	1.68E-07	2.18E-07	2.73E-08	7.77E-08	1.05E-07
1153	437946.07	3762769.33	3.15E-07	9.93E-07	1.31E-06	4.90E-08	1.62E-07	2.11E-07	2.64E-08	7.52E-08	1.02E-07
1154	437946.08	3762759.53	3.04E-07	9.59E-07	1.26E-06	4.73E-08	1.57E-07	2.04E-07	2.55E-08	7.27E-08	9.81E-08
1155	437946.1	3762749.72	2.94E-07	9.24E-07	1.22E-06	4.56E-08	1.51E-07	1.97E-07	2.46E-08	7.00E-08	9.46E-08

1156	437946.11	3762739.91	2.83E-07	8.90E-07	1.17E-06	4.39E-08	1.45E-07	1.89E-07	2.36E-08	6.74E-08	9.11E-08
1157	437946.13	3762730.1	2.72E-07	8.55E-07	1.13E-06	4.22E-08	1.40E-07	1.82E-07	2.27E-08	6.48E-08	8.75E-08
1158	437946.14	3762720.29	2.61E-07	8.20E-07	1.08E-06	4.05E-08	1.34E-07	1.75E-07	2.18E-08	6.22E-08	8.40E-08
1159	437944.97	3762959.8	3.74E-07	1.18E-06	1.55E-06	5.82E-08	1.93E-07	2.51E-07	3.13E-08	8.93E-08	1.21E-07
1160	437942.16	3762969.08	3.72E-07	1.17E-06	1.54E-06	5.78E-08	1.91E-07	2.49E-07	3.11E-08	8.88E-08	1.20E-07
1161	437939.34	3762978.37	3.68E-07	1.16E-06	1.53E-06	5.72E-08	1.90E-07	2.47E-07	3.08E-08	8.79E-08	1.19E-07
1162	437936.53	3762987.65	3.64E-07	1.15E-06	1.51E-06	5.65E-08	1.87E-07	2.44E-07	3.04E-08	8.68E-08	1.17E-07
1163	437933.71	3762996.94	3.58E-07	1.13E-06	1.49E-06	5.56E-08	1.84E-07	2.40E-07	3.00E-08	8.54E-08	1.15E-07
1164	437930.89	3763006.22	3.51E-07	1.11E-06	1.46E-06	5.46E-08	1.81E-07	2.35E-07	2.94E-08	8.38E-08	1.13E-07
1165	437919.63	3763043.36	3.14E-07	9.89E-07	1.30E-06	4.88E-08	1.62E-07	2.10E-07	2.63E-08	7.50E-08	1.01E-07
1166	437916.82	3763052.65	3.03E-07	9.54E-07	1.26E-06	4.71E-08	1.56E-07	2.03E-07	2.54E-08	7.23E-08	9.76E-08
1167	437914	3763061.93	2.91E-07	9.16E-07	1.21E-06	4.52E-08	1.50E-07	1.95E-07	2.44E-08	6.94E-08	9.38E-08
1168	437911.19	3763071.22	2.79E-07	8.78E-07	1.16E-06	4.33E-08	1.43E-07	1.87E-07	2.33E-08	6.65E-08	8.98E-08
1169	437908.37	3763080.5	2.66E-07	8.38E-07	1.10E-06	4.14E-08	1.37E-07	1.78E-07	2.23E-08	6.35E-08	8.58E-08
1170	437991.97	3762903.76	3.25E-07	1.02E-06	1.35E-06	5.05E-08	1.67E-07	2.18E-07	2.72E-08	7.75E-08	1.05E-07
1171	437989.18	3762912.97	3.29E-07	1.04E-06	1.36E-06	5.11E-08	1.69E-07	2.20E-07	2.75E-08	7.85E-08	1.06E-07
1172	437986.39	3762922.19	3.32E-07	1.05E-06	1.38E-06	5.16E-08	1.71E-07	2.22E-07	2.78E-08	7.92E-08	1.07E-07
1173	437983.6	3762931.4	3.34E-07	1.05E-06	1.39E-06	5.19E-08	1.72E-07	2.24E-07	2.80E-08	7.98E-08	1.08E-07
1174	437980.8	3762940.61	3.36E-07	1.06E-06	1.39E-06	5.22E-08	1.73E-07	2.25E-07	2.81E-08	8.02E-08	1.08E-07
1175	437978.01	3762949.82	3.37E-07	1.06E-06	1.40E-06	5.23E-08	1.73E-07	2.26E-07	2.82E-08	8.04E-08	1.09E-07
1176	437975.22	3762959.03	3.37E-07	1.06E-06	1.40E-06	5.23E-08	1.73E-07	2.26E-07	2.82E-08	8.04E-08	1.09E-07
1177	437950.08	3763041.93	2.95E-07	9.28E-07	1.22E-06	4.58E-08	1.52E-07	1.97E-07	2.47E-08	7.03E-08	9.50E-08
1178	437947.29	3763051.15	2.86E-07	9.00E-07	1.19E-06	4.44E-08	1.47E-07	1.91E-07	2.39E-08	6.82E-08	9.21E-08
1179	437944.49	3763060.36	2.77E-07	8.71E-07	1.15E-06	4.30E-08	1.42E-07	1.85E-07	2.32E-08	6.60E-08	8.92E-08
1180	437941.7	3763069.57	2.67E-07	8.40E-07	1.11E-06	4.15E-08	1.37E-07	1.79E-07	2.23E-08	6.37E-08	8.60E-08
1181	437938.91	3763078.78	2.57E-07	8.09E-07	1.07E-06	3.99E-08	1.32E-07	1.72E-07	2.15E-08	6.13E-08	8.28E-08
1182	437936.12	3763087.99	2.46E-07	7.76E-07	1.02E-06	3.83E-08	1.27E-07	1.65E-07	2.06E-08	5.88E-08	7.94E-08
1183	437933.32	3763097.2	2.36E-07	7.43E-07	9.78E-07	3.66E-08	1.21E-07	1.58E-07	1.97E-08	5.63E-08	7.60E-08
1184	438005.97	3762838.09	2.88E-07	9.08E-07	1.20E-06	4.48E-08	1.48E-07	1.93E-07	2.41E-08	6.88E-08	9.30E-08
1185	438005.98	3762828.28	2.84E-07	8.95E-07	1.18E-06	4.42E-08	1.46E-07	1.90E-07	2.38E-08	6.78E-08	9.16E-08
1186	438006	3762818.47	2.79E-07	8.79E-07	1.16E-06	4.34E-08	1.44E-07	1.87E-07	2.34E-08	6.66E-08	9.00E-08
1187	438006.01	3762808.66	2.73E-07	8.60E-07	1.13E-06	4.24E-08	1.40E-07	1.83E-07	2.29E-08	6.52E-08	8.80E-08
1188	438006.03	3762798.85	2.67E-07	8.40E-07	1.11E-06	4.14E-08	1.37E-07	1.79E-07	2.23E-08	6.36E-08	8.59E-08
1189	438006.04	3762789.04	2.60E-07	8.18E-07	1.08E-06	4.04E-08	1.34E-07	1.74E-07	2.17E-08	6.20E-08	8.38E-08
1190	438006.05	3762779.23	2.53E-07	7.96E-07	1.05E-06	3.93E-08	1.30E-07	1.69E-07	2.12E-08	6.03E-08	8.15E-08
1191	438006.07	3762769.42	2.45E-07	7.73E-07	1.02E-06	3.81E-08	1.26E-07	1.64E-07	2.05E-08	5.86E-08	7.91E-08
1192	438006.08	3762759.61	2.38E-07	7.49E-07	9.87E-07	3.70E-08	1.22E-07	1.59E-07	1.99E-08	5.68E-08	7.67E-08
1193	438006.1	3762749.8	2.30E-07	7.25E-07	9.55E-07	3.58E-08	1.18E-07	1.54E-07	1.93E-08	5.49E-08	7.42E-08
1194	438006.11	3762739.99	2.23E-07	7.01E-07	9.24E-07	3.46E-08	1.15E-07	1.49E-07	1.86E-08	5.31E-08	7.17E-08
1195	438006.13	3762730.18	2.15E-07	6.77E-07	8.92E-07	3.34E-08	1.11E-07	1.44E-07	1.80E-08	5.13E-08	6.93E-08
1196	438006.14	3762720.38	2.07E-07	6.53E-07	8.60E-07	3.22E-08	1.07E-07	1.39E-07	1.73E-08	4.95E-08	6.68E-08
1197	438022.07	3762903.49	2.90E-07	9.12E-07	1.20E-06	4.50E-08	1.49E-07	1.94E-07	2.42E-08	6.91E-08	9.33E-08
1198	438019.3	3762912.64	2.94E-07	9.25E-07	1.22E-06	4.56E-08	1.51E-07	1.97E-07	2.46E-08	7.01E-08	9.46E-08
1199	438016.52	3762921.78	2.97E-07	9.36E-07	1.23E-06	4.62E-08	1.53E-07	1.99E-07	2.49E-08	7.09E-08	9.58E-08
1200	438013.75	3762930.93	3.00E-07	9.45E-07	1.24E-06	4.66E-08	1.54E-07	2.01E-07	2.51E-08	7.16E-08	9.67E-08
1201	438010.98	3762940.08	3.02E-07	9.51E-07	1.25E-06	4.69E-08	1.55E-07	2.02E-07	2.53E-08	7.20E-08	9.73E-08
1202	438008.2	3762949.23	3.03E-07	9.55E-07	1.26E-06	4.71E-08	1.56E-07	2.03E-07	2.54E-08	7.23E-08	9.77E-08
1203	438005.43	3762958.38	3.04E-07	9.56E-07	1.26E-06	4.72E-08	1.56E-07	2.03E-07	2.54E-08	7.25E-08	9.79E-08
1204	438002.66	3762967.52	3.04E-07	9.56E-07	1.26E-06	4.72E-08	1.56E-07	2.03E-07	2.54E-08	7.25E-08	9.79E-08
1205	437999.88	3762976.67	3.03E-07	9.54E-07	1.26E-06	4.71E-08	1.56E-07	2.03E-07	2.54E-08	7.23E-08	9.77E-08
1206	437997.11	3762985.82	3.02E-07	9.50E-07	1.25E-06	4.69E-08	1.55E-07	2.02E-07	2.53E-08	7.20E-08	9.72E-08
1207	437994.33	3762994.97	2.99E-07	9.43E-07	1.24E-06	4.65E-08	1.54E-07	2.01E-07	2.51E-08	7.14E-08	9.65E-08
1208	437991.56	3763004.12	2.96E-07	9.33E-07	1.23E-06	4.60E-08	1.52E-07	1.98E-07	2.48E-08	7.07E-08	9.55E-08
1209	437988.79	3763013.26	2.92E-07	9.20E-07	1.21E-06	4.54E-08	1.50E-07	1.96E-07	2.45E-08	6.97E-08	9.42E-08
1210	437986.01	3763022.41	2.87E-07	9.05E-07	1.19E-06	4.47E-08	1.48E-07	1.93E-07	2.41E-08	6.86E-08	9.27E-08
1211	437983.24	3763031.56	2.81E-07	8.86E-07	1.17E-06	4.37E-08	1.45E-07	1.88E-07	2.35E-08	6.71E-08	9.07E-08
1212	437980.47	3763040.71	2.75E-07	8.65E-07	1.14E-06	4.27E-08	1.41E-07	1.84E-07	2.30E-08	6.55E-08	8.85E-08
1213	437977.69	3763049.85	2.68E-07	8.43E-07	1.11E-06	4.16E-08	1.38E-07	1.79E-07	2.24E-08	6.38E-08	8.62E-08
1214	437974.92	3763059	2.61E-07	8.21E-07	1.08E-06	4.05E-08	1.34E-07	1.75E-07	2.18E-08	6.22E-08	8.40E-08
1215	438035.97	3762838.13	2.57E-07	8.09E-07	1.07E-06	3.99E-08	1.32E-07	1.72E-07	2.15E-08	6.13E-08	8.28E-08
1216	438035.98	3762828.32	2.53E-07	7.95E-07	1.05E-06	3.92E-08	1.30E-07	1.69E-07	2.11E-08	6.03E-08	8.14E-08

1217	438036	3762818.51	2.48E-07	7.80E-07	1.03E-06	3.85E-08	1.27E-07	1.66E-07	2.07E-08	5.91E-08	7.98E-08
1218	438036.01	3762808.7	2.42E-07	7.63E-07	1.01E-06	3.77E-08	1.25E-07	1.62E-07	2.03E-08	5.78E-08	7.81E-08
1219	438036.03	3762798.89	2.37E-07	7.46E-07	9.83E-07	3.68E-08	1.22E-07	1.59E-07	1.98E-08	5.65E-08	7.63E-08
1220	438036.04	3762789.08	2.31E-07	7.28E-07	9.59E-07	3.59E-08	1.19E-07	1.55E-07	1.93E-08	5.51E-08	7.45E-08
1221	438036.05	3762779.27	2.25E-07	7.09E-07	9.34E-07	3.50E-08	1.16E-07	1.51E-07	1.88E-08	5.37E-08	7.25E-08
1222	438036.07	3762769.47	2.19E-07	6.89E-07	9.08E-07	3.40E-08	1.13E-07	1.47E-07	1.83E-08	5.22E-08	7.05E-08
1223	438036.08	3762759.66	2.12E-07	6.69E-07	8.82E-07	3.30E-08	1.09E-07	1.42E-07	1.78E-08	5.07E-08	6.85E-08
1224	438036.1	3762749.85	2.06E-07	6.49E-07	8.55E-07	3.20E-08	1.06E-07	1.38E-07	1.72E-08	4.92E-08	6.64E-08
1225	438036.11	3762740.04	2.00E-07	6.28E-07	8.28E-07	3.10E-08	1.03E-07	1.34E-07	1.67E-08	4.76E-08	6.43E-08
1226	438036.13	3762730.23	1.93E-07	6.08E-07	8.01E-07	3.00E-08	9.93E-08	1.29E-07	1.62E-08	4.61E-08	6.22E-08
1227	438036.14	3762720.42	1.86E-07	5.87E-07	7.74E-07	2.90E-08	9.59E-08	1.25E-07	1.56E-08	4.45E-08	6.01E-08
1228	438052.15	3762903.26	2.60E-07	8.17E-07	1.08E-06	4.03E-08	1.34E-07	1.74E-07	2.17E-08	6.19E-08	8.37E-08
1229	438049.4	3762912.35	2.63E-07	8.29E-07	1.09E-06	4.09E-08	1.35E-07	1.76E-07	2.20E-08	6.28E-08	8.48E-08
1230	438046.64	3762921.44	2.66E-07	8.39E-07	1.11E-06	4.14E-08	1.37E-07	1.78E-07	2.23E-08	6.36E-08	8.59E-08
1231	438035.61	3762957.81	2.74E-07	8.63E-07	1.14E-06	4.26E-08	1.41E-07	1.84E-07	2.29E-08	6.54E-08	8.83E-08
1232	438032.86	3762966.9	2.75E-07	8.65E-07	1.14E-06	4.27E-08	1.41E-07	1.84E-07	2.30E-08	6.55E-08	8.85E-08
1233	438030.1	3762976	2.75E-07	8.65E-07	1.14E-06	4.27E-08	1.41E-07	1.84E-07	2.30E-08	6.56E-08	8.86E-08
1234	438027.34	3762985.09	2.74E-07	8.63E-07	1.14E-06	4.26E-08	1.41E-07	1.84E-07	2.29E-08	6.54E-08	8.83E-08
1235	438024.59	3762994.18	2.73E-07	8.59E-07	1.13E-06	4.24E-08	1.40E-07	1.83E-07	2.28E-08	6.51E-08	8.79E-08
1236	438021.83	3763003.27	2.71E-07	8.53E-07	1.12E-06	4.21E-08	1.39E-07	1.81E-07	2.27E-08	6.46E-08	8.73E-08
1237	438019.07	3763012.37	2.68E-07	8.44E-07	1.11E-06	4.17E-08	1.38E-07	1.80E-07	2.24E-08	6.40E-08	8.64E-08
1238	438016.32	3763021.46	2.65E-07	8.34E-07	1.10E-06	4.12E-08	1.36E-07	1.77E-07	2.22E-08	6.32E-08	8.54E-08
1239	438013.56	3763030.55	2.60E-07	8.19E-07	1.08E-06	4.04E-08	1.34E-07	1.74E-07	2.18E-08	6.21E-08	8.39E-08
1240	438010.8	3763039.64	2.55E-07	8.03E-07	1.06E-06	3.96E-08	1.31E-07	1.71E-07	2.13E-08	6.08E-08	8.22E-08
1241	438008.04	3763048.74	2.50E-07	7.88E-07	1.04E-06	3.89E-08	1.29E-07	1.68E-07	2.09E-08	5.97E-08	8.06E-08
1242	438005.29	3763057.83	2.45E-07	7.71E-07	1.02E-06	3.80E-08	1.26E-07	1.64E-07	2.05E-08	5.84E-08	7.89E-08
1243	438002.53	3763066.92	2.39E-07	7.52E-07	9.91E-07	3.71E-08	1.23E-07	1.60E-07	2.00E-08	5.70E-08	7.70E-08
1244	437999.77	3763076.01	2.33E-07	7.33E-07	9.65E-07	3.62E-08	1.20E-07	1.56E-07	1.95E-08	5.55E-08	7.50E-08
1245	437997.02	3763085.11	2.26E-07	7.13E-07	9.39E-07	3.52E-08	1.16E-07	1.52E-07	1.89E-08	5.40E-08	7.29E-08
1246	437994.26	3763094.2	2.20E-07	6.92E-07	9.11E-07	3.41E-08	1.13E-07	1.47E-07	1.84E-08	5.24E-08	7.08E-08
1247	437991.5	3763103.29	2.13E-07	6.70E-07	8.83E-07	3.31E-08	1.09E-07	1.43E-07	1.78E-08	5.08E-08	6.86E-08
1248	437988.75	3763112.38	2.06E-07	6.47E-07	8.53E-07	3.19E-08	1.06E-07	1.38E-07	1.72E-08	4.91E-08	6.63E-08
1249	437985.99	3763121.48	1.98E-07	6.24E-07	8.22E-07	3.08E-08	1.02E-07	1.33E-07	1.66E-08	4.73E-08	6.39E-08
1250	437983.23	3763130.57	1.91E-07	6.00E-07	7.91E-07	2.96E-08	9.81E-08	1.28E-07	1.60E-08	4.55E-08	6.14E-08
1251	438065.97	3762838.17	2.29E-07	7.22E-07	9.51E-07	3.56E-08	1.18E-07	1.54E-07	1.92E-08	5.47E-08	7.39E-08
1252	438065.98	3762828.36	2.25E-07	7.10E-07	9.35E-07	3.50E-08	1.16E-07	1.51E-07	1.89E-08	5.38E-08	7.27E-08
1253	438066	3762818.56	2.21E-07	6.96E-07	9.17E-07	3.44E-08	1.14E-07	1.48E-07	1.85E-08	5.28E-08	7.13E-08
1254	438066.01	3762808.75	2.17E-07	6.82E-07	8.99E-07	3.37E-08	1.11E-07	1.45E-07	1.81E-08	5.17E-08	6.98E-08
1255	438066.03	3762798.94	2.12E-07	6.67E-07	8.79E-07	3.29E-08	1.09E-07	1.42E-07	1.77E-08	5.05E-08	6.83E-08
1256	438066.04	3762789.13	2.07E-07	6.51E-07	8.58E-07	3.21E-08	1.06E-07	1.39E-07	1.73E-08	4.94E-08	6.67E-08
1257	438066.05	3762779.32	2.02E-07	6.35E-07	8.37E-07	3.13E-08	1.04E-07	1.35E-07	1.69E-08	4.81E-08	6.50E-08
1258	438066.07	3762769.51	1.96E-07	6.18E-07	8.15E-07	3.05E-08	1.01E-07	1.32E-07	1.64E-08	4.69E-08	6.33E-08
1259	438066.08	3762759.7	1.91E-07	6.01E-07	7.92E-07	2.97E-08	9.82E-08	1.28E-07	1.60E-08	4.56E-08	6.16E-08
1260	438066.1	3762749.89	1.85E-07	5.84E-07	7.69E-07	2.88E-08	9.54E-08	1.24E-07	1.55E-08	4.43E-08	5.98E-08
1261	438066.11	3762740.08	1.80E-07	5.66E-07	7.46E-07	2.79E-08	9.25E-08	1.20E-07	1.51E-08	4.29E-08	5.80E-08
1262	438066.13	3762730.27	1.74E-07	5.49E-07	7.23E-07	2.71E-08	8.97E-08	1.17E-07	1.46E-08	4.16E-08	5.62E-08
1263	438066.14	3762720.46	1.69E-07	5.31E-07	7.00E-07	2.62E-08	8.68E-08	1.13E-07	1.41E-08	4.02E-08	5.44E-08
1264	438081.8	3762904.47	2.34E-07	7.36E-07	9.70E-07	3.63E-08	1.20E-07	1.57E-07	1.96E-08	5.58E-08	7.54E-08
1265	438078.97	3762913.8	2.37E-07	7.47E-07	9.84E-07	3.69E-08	1.22E-07	1.59E-07	1.99E-08	5.66E-08	7.65E-08
1266	438076.14	3762923.12	2.40E-07	7.56E-07	9.97E-07	3.73E-08	1.24E-07	1.61E-07	2.01E-08	5.73E-08	7.74E-08
1267	438067.66	3762951.1	2.46E-07	7.75E-07	1.02E-06	3.82E-08	1.27E-07	1.65E-07	2.06E-08	5.87E-08	7.93E-08
1268	438064.83	3762960.43	2.47E-07	7.78E-07	1.03E-06	3.84E-08	1.27E-07	1.66E-07	2.07E-08	5.90E-08	7.96E-08
1269	438062.01	3762969.76	2.48E-07	7.80E-07	1.03E-06	3.85E-08	1.27E-07	1.66E-07	2.07E-08	5.91E-08	7.98E-08
1270	438059.18	3762979.08	2.48E-07	7.80E-07	1.03E-06	3.85E-08	1.27E-07	1.66E-07	2.07E-08	5.91E-08	7.99E-08
1271	438056.35	3762988.41	2.48E-07	7.80E-07	1.03E-06	3.85E-08	1.27E-07	1.66E-07	2.07E-08	5.91E-08	7.98E-08
1272	438053.52	3762997.73	2.47E-07	7.77E-07	1.02E-06	3.83E-08	1.27E-07	1.65E-07	2.07E-08	5.89E-08	7.95E-08
1273	438050.69	3763007.06	2.45E-07	7.73E-07	1.02E-06	3.81E-08	1.26E-07	1.64E-07	2.05E-08	5.86E-08	7.91E-08
1274	438039.38	3763044.37	2.35E-07	7.39E-07	9.73E-07	3.64E-08	1.21E-07	1.57E-07	1.96E-08	5.60E-08	7.56E-08
1275	438036.55	3763053.69	2.30E-07	7.25E-07	9.56E-07	3.58E-08	1.19E-07	1.54E-07	1.93E-08	5.50E-08	7.42E-08
1276	438033.73	3763063.02	2.26E-07	7.12E-07	9.38E-07	3.51E-08	1.16E-07	1.51E-07	1.89E-08	5.39E-08	7.29E-08
1277	438030.9	3763072.35	2.21E-07	6.97E-07	9.18E-07	3.44E-08	1.14E-07	1.48E-07	1.85E-08	5.28E-08	7.13E-08

1278	438028.07	3763081.67	2.16E-07	6.80E-07	8.96E-07	3.36E-08	1.11E-07	1.45E-07	1.81E-08	5.15E-08	6.96E-08
1279	438025.24	3763091	2.11E-07	6.64E-07	8.75E-07	3.28E-08	1.08E-07	1.41E-07	1.76E-08	5.03E-08	6.79E-08
1280	438022.42	3763100.33	2.05E-07	6.46E-07	8.51E-07	3.19E-08	1.06E-07	1.37E-07	1.72E-08	4.90E-08	6.61E-08
1281	438019.59	3763109.65	1.99E-07	6.27E-07	8.27E-07	3.10E-08	1.02E-07	1.33E-07	1.67E-08	4.75E-08	6.42E-08
1282	438016.76	3763118.98	1.93E-07	6.08E-07	8.01E-07	3.00E-08	9.93E-08	1.29E-07	1.62E-08	4.61E-08	6.22E-08
1283	438013.93	3763128.31	1.87E-07	5.88E-07	7.74E-07	2.90E-08	9.60E-08	1.25E-07	1.56E-08	4.45E-08	6.01E-08
1284	438011.1	3763137.63	1.80E-07	5.67E-07	7.47E-07	2.80E-08	9.26E-08	1.21E-07	1.51E-08	4.30E-08	5.80E-08
1285	438008.28	3763146.96	1.73E-07	5.46E-07	7.19E-07	2.69E-08	8.92E-08	1.16E-07	1.45E-08	4.14E-08	5.59E-08
1286	438095.97	3762838.22	2.06E-07	6.48E-07	8.54E-07	3.20E-08	1.06E-07	1.38E-07	1.72E-08	4.91E-08	6.64E-08
1287	438095.98	3762828.41	2.02E-07	6.37E-07	8.40E-07	3.14E-08	1.04E-07	1.36E-07	1.69E-08	4.83E-08	6.52E-08
1288	438096	3762818.6	1.99E-07	6.26E-07	8.24E-07	3.09E-08	1.02E-07	1.33E-07	1.66E-08	4.74E-08	6.40E-08
1289	438096.01	3762808.79	1.95E-07	6.13E-07	8.08E-07	3.03E-08	1.00E-07	1.30E-07	1.63E-08	4.65E-08	6.28E-08
1290	438096.03	3762798.98	1.91E-07	6.00E-07	7.91E-07	2.96E-08	9.80E-08	1.28E-07	1.59E-08	4.55E-08	6.14E-08
1291	438096.04	3762789.17	1.86E-07	5.86E-07	7.73E-07	2.89E-08	9.58E-08	1.25E-07	1.56E-08	4.44E-08	6.00E-08
1292	438096.05	3762779.36	1.82E-07	5.72E-07	7.54E-07	2.82E-08	9.35E-08	1.22E-07	1.52E-08	4.34E-08	5.86E-08
1293	438096.07	3762769.55	1.77E-07	5.58E-07	7.35E-07	2.75E-08	9.11E-08	1.19E-07	1.48E-08	4.23E-08	5.71E-08
1294	438096.08	3762759.74	1.72E-07	5.43E-07	7.15E-07	2.68E-08	8.87E-08	1.16E-07	1.44E-08	4.11E-08	5.56E-08
1295	438096.1	3762749.93	1.68E-07	5.28E-07	6.96E-07	2.61E-08	8.63E-08	1.12E-07	1.40E-08	4.00E-08	5.40E-08
1296	438096.11	3762740.12	1.63E-07	5.13E-07	6.76E-07	2.53E-08	8.38E-08	1.09E-07	1.36E-08	3.89E-08	5.25E-08
1297	438096.13	3762730.32	1.58E-07	4.98E-07	6.56E-07	2.46E-08	8.13E-08	1.06E-07	1.32E-08	3.77E-08	5.10E-08
1298	438096.14	3762720.51	1.53E-07	4.83E-07	6.36E-07	2.38E-08	7.89E-08	1.03E-07	1.28E-08	3.66E-08	4.94E-08
1299	438111.89	3762904.21	2.11E-07	6.64E-07	8.74E-07	3.27E-08	1.08E-07	1.41E-07	1.76E-08	5.03E-08	6.79E-08
1300	438109.08	3762913.47	2.14E-07	6.73E-07	8.87E-07	3.32E-08	1.10E-07	1.43E-07	1.79E-08	5.10E-08	6.89E-08
1301	438106.27	3762922.74	2.17E-07	6.82E-07	8.99E-07	3.37E-08	1.11E-07	1.45E-07	1.81E-08	5.17E-08	6.98E-08
1302	438097.85	3762950.54	2.23E-07	7.02E-07	9.24E-07	3.46E-08	1.15E-07	1.49E-07	1.86E-08	5.32E-08	7.18E-08
1303	438095.04	3762959.8	2.24E-07	7.06E-07	9.30E-07	3.48E-08	1.15E-07	1.50E-07	1.88E-08	5.35E-08	7.22E-08
1304	438092.23	3762969.07	2.25E-07	7.08E-07	9.33E-07	3.49E-08	1.16E-07	1.51E-07	1.88E-08	5.37E-08	7.25E-08
1305	438089.42	3762978.33	2.25E-07	7.10E-07	9.35E-07	3.50E-08	1.16E-07	1.51E-07	1.89E-08	5.38E-08	7.26E-08
1306	438086.61	3762987.6	2.25E-07	7.10E-07	9.35E-07	3.50E-08	1.16E-07	1.51E-07	1.89E-08	5.38E-08	7.27E-08
1307	438083.8	3762996.86	2.25E-07	7.09E-07	9.34E-07	3.50E-08	1.16E-07	1.51E-07	1.88E-08	5.37E-08	7.26E-08
1308	438080.99	3763006.13	2.24E-07	7.07E-07	9.31E-07	3.49E-08	1.15E-07	1.50E-07	1.88E-08	5.35E-08	7.23E-08
1309	438078.18	3763015.4	2.23E-07	7.03E-07	9.26E-07	3.47E-08	1.15E-07	1.50E-07	1.87E-08	5.33E-08	7.20E-08
1310	438069.75	3763043.19	2.17E-07	6.83E-07	9.00E-07	3.37E-08	1.12E-07	1.45E-07	1.82E-08	5.18E-08	7.00E-08
1311	438066.94	3763052.46	2.15E-07	6.77E-07	8.92E-07	3.34E-08	1.11E-07	1.44E-07	1.80E-08	5.13E-08	6.93E-08
1312	438064.13	3763061.72	2.12E-07	6.68E-07	8.80E-07	3.29E-08	1.09E-07	1.42E-07	1.77E-08	5.06E-08	6.83E-08
1313	438061.32	3763070.99	2.08E-07	6.54E-07	8.62E-07	3.23E-08	1.07E-07	1.39E-07	1.74E-08	4.96E-08	6.70E-08
1314	438058.51	3763080.25	2.04E-07	6.43E-07	8.47E-07	3.17E-08	1.05E-07	1.37E-07	1.71E-08	4.87E-08	6.58E-08
1315	438055.71	3763089.52	2.00E-07	6.30E-07	8.30E-07	3.11E-08	1.03E-07	1.34E-07	1.67E-08	4.77E-08	6.45E-08
1316	438052.9	3763098.79	1.96E-07	6.16E-07	8.11E-07	3.04E-08	1.01E-07	1.31E-07	1.64E-08	4.67E-08	6.30E-08
1317	438125.97	3762838.26	1.86E-07	5.85E-07	7.71E-07	2.89E-08	9.55E-08	1.24E-07	1.55E-08	4.43E-08	5.99E-08
1318	438125.98	3762828.45	1.83E-07	5.75E-07	7.57E-07	2.84E-08	9.39E-08	1.22E-07	1.53E-08	4.36E-08	5.88E-08
1319	438126	3762818.64	1.79E-07	5.64E-07	7.43E-07	2.78E-08	9.22E-08	1.20E-07	1.50E-08	4.28E-08	5.78E-08
1320	438126.01	3762808.83	1.76E-07	5.53E-07	7.29E-07	2.73E-08	9.04E-08	1.18E-07	1.47E-08	4.19E-08	5.66E-08
1321	438126.03	3762799.02	1.72E-07	5.42E-07	7.14E-07	2.67E-08	8.85E-08	1.15E-07	1.44E-08	4.10E-08	5.54E-08
1322	438126.04	3762789.22	1.68E-07	5.30E-07	6.98E-07	2.61E-08	8.66E-08	1.13E-07	1.41E-08	4.02E-08	5.42E-08
1323	438126.05	3762779.41	1.64E-07	5.18E-07	6.82E-07	2.55E-08	8.46E-08	1.10E-07	1.38E-08	3.92E-08	5.30E-08
1324	438126.07	3762769.6	1.60E-07	5.05E-07	6.65E-07	2.49E-08	8.25E-08	1.07E-07	1.34E-08	3.83E-08	5.17E-08
1325	438126.08	3762759.79	1.56E-07	4.92E-07	6.48E-07	2.43E-08	8.04E-08	1.05E-07	1.31E-08	3.73E-08	5.04E-08
1326	438126.1	3762749.98	1.52E-07	4.79E-07	6.31E-07	2.36E-08	7.83E-08	1.02E-07	1.27E-08	3.63E-08	4.90E-08
1327	438126.11	3762740.17	1.48E-07	4.66E-07	6.14E-07	2.30E-08	7.62E-08	9.92E-08	1.24E-08	3.53E-08	4.77E-08
1328	438126.13	3762730.36	1.44E-07	4.53E-07	5.97E-07	2.24E-08	7.40E-08	9.64E-08	1.20E-08	3.43E-08	4.64E-08
1329	438126.14	3762720.55	1.40E-07	4.40E-07	5.80E-07	2.17E-08	7.19E-08	9.36E-08	1.17E-08	3.33E-08	4.50E-08
1330	438141.97	3762903.98	1.91E-07	6.00E-07	7.91E-07	2.96E-08	9.80E-08	1.28E-07	1.60E-08	4.55E-08	6.14E-08
1331	438139.18	3762913.19	1.94E-07	6.10E-07	8.03E-07	3.01E-08	9.96E-08	1.30E-07	1.62E-08	4.62E-08	6.24E-08
1332	438136.39	3762922.4	1.96E-07	6.18E-07	8.15E-07	3.05E-08	1.01E-07	1.31E-07	1.64E-08	4.68E-08	6.33E-08
1333	438116.84	3762986.88	2.07E-07	6.50E-07	8.57E-07	3.21E-08	1.06E-07	1.38E-07	1.73E-08	4.93E-08	6.66E-08
1334	438114.05	3762996.1	2.07E-07	6.51E-07	8.57E-07	3.21E-08	1.06E-07	1.38E-07	1.73E-08	4.93E-08	6.66E-08
1335	438111.25	3763005.31	2.07E-07	6.50E-07	8.57E-07	3.21E-08	1.06E-07	1.38E-07	1.73E-08	4.93E-08	6.66E-08
1336	438108.46	3763014.52	2.06E-07	6.49E-07	8.55E-07	3.20E-08	1.06E-07	1.38E-07	1.72E-08	4.91E-08	6.64E-08
1337	438100.08	3763042.15	2.02E-07	6.37E-07	8.39E-07	3.14E-08	1.04E-07	1.35E-07	1.69E-08	4.83E-08	6.52E-08
1338	438097.29	3763051.36	2.00E-07	6.31E-07	8.31E-07	3.11E-08	1.03E-07	1.34E-07	1.68E-08	4.78E-08	6.46E-08

1339	438094.49	3763060.58	1.98E-07	6.24E-07	8.22E-07	3.08E-08	1.02E-07	1.33E-07	1.66E-08	4.73E-08	6.38E-08
1340	438091.7	3763069.79	1.95E-07	6.15E-07	8.11E-07	3.04E-08	1.01E-07	1.31E-07	1.64E-08	4.66E-08	6.30E-08
1341	438088.91	3763079	1.92E-07	6.06E-07	7.99E-07	2.99E-08	9.90E-08	1.29E-07	1.61E-08	4.59E-08	6.20E-08
1342	438086.12	3763088.21	1.89E-07	5.96E-07	7.85E-07	2.94E-08	9.74E-08	1.27E-07	1.58E-08	4.52E-08	6.10E-08
1343	438083.32	3763097.42	1.86E-07	5.85E-07	7.71E-07	2.89E-08	9.56E-08	1.24E-07	1.56E-08	4.43E-08	5.99E-08
1344	438072.15	3763134.27	1.69E-07	5.31E-07	7.00E-07	2.62E-08	8.68E-08	1.13E-07	1.41E-08	4.03E-08	5.44E-08
1345	438069.36	3763143.48	1.64E-07	5.16E-07	6.80E-07	2.55E-08	8.43E-08	1.10E-07	1.37E-08	3.91E-08	5.28E-08
1346	438066.57	3763152.69	1.59E-07	5.01E-07	6.60E-07	2.47E-08	8.18E-08	1.07E-07	1.33E-08	3.79E-08	5.13E-08
1347	438063.77	3763161.9	1.54E-07	4.85E-07	6.39E-07	2.39E-08	7.92E-08	1.03E-07	1.29E-08	3.68E-08	4.96E-08
1348	438060.98	3763171.11	1.49E-07	4.69E-07	6.18E-07	2.31E-08	7.66E-08	9.97E-08	1.25E-08	3.55E-08	4.80E-08
1349	438058.19	3763180.32	1.44E-07	4.54E-07	5.99E-07	2.24E-08	7.42E-08	9.66E-08	1.21E-08	3.44E-08	4.65E-08
1350	438155.97	3762838.31	1.68E-07	5.29E-07	6.96E-07	2.61E-08	8.64E-08	1.12E-07	1.41E-08	4.01E-08	5.41E-08
1351	438155.98	3762828.5	1.65E-07	5.20E-07	6.85E-07	2.56E-08	8.49E-08	1.11E-07	1.38E-08	3.94E-08	5.32E-08
1352	438156	3762818.69	1.62E-07	5.10E-07	6.72E-07	2.52E-08	8.34E-08	1.09E-07	1.36E-08	3.87E-08	5.22E-08
1353	438156.01	3762808.88	1.59E-07	5.01E-07	6.59E-07	2.47E-08	8.18E-08	1.06E-07	1.33E-08	3.79E-08	5.12E-08
1354	438156.03	3762799.07	1.56E-07	4.90E-07	6.46E-07	2.42E-08	8.01E-08	1.04E-07	1.30E-08	3.72E-08	5.02E-08
1355	438156.04	3762789.26	1.52E-07	4.80E-07	6.33E-07	2.37E-08	7.84E-08	1.02E-07	1.28E-08	3.64E-08	4.91E-08
1356	438156.05	3762779.45	1.49E-07	4.70E-07	6.19E-07	2.32E-08	7.67E-08	9.99E-08	1.25E-08	3.56E-08	4.81E-08
1357	438156.07	3762769.64	1.46E-07	4.59E-07	6.04E-07	2.26E-08	7.49E-08	9.75E-08	1.22E-08	3.47E-08	4.69E-08
1358	438156.08	3762759.83	1.42E-07	4.47E-07	5.89E-07	2.21E-08	7.31E-08	9.52E-08	1.19E-08	3.39E-08	4.58E-08
1359	438156.1	3762750.02	1.38E-07	4.36E-07	5.74E-07	2.15E-08	7.12E-08	9.27E-08	1.16E-08	3.30E-08	4.46E-08
1360	438156.11	3762740.21	1.35E-07	4.25E-07	5.60E-07	2.10E-08	6.95E-08	9.05E-08	1.13E-08	3.22E-08	4.35E-08
1361	438156.13	3762730.4	1.31E-07	4.14E-07	5.45E-07	2.04E-08	6.76E-08	8.80E-08	1.10E-08	3.14E-08	4.24E-08
1362	438156.14	3762720.59	1.28E-07	4.02E-07	5.30E-07	1.99E-08	6.57E-08	8.56E-08	1.07E-08	3.05E-08	4.12E-08
1363	438181.83	3762904.52	1.68E-07	5.30E-07	6.98E-07	2.61E-08	8.66E-08	1.13E-07	1.41E-08	4.02E-08	5.42E-08
1364	438179.01	3762913.83	1.71E-07	5.38E-07	7.09E-07	2.66E-08	8.80E-08	1.15E-07	1.43E-08	4.08E-08	5.51E-08
1365	438176.18	3762923.14	1.73E-07	5.46E-07	7.20E-07	2.70E-08	8.92E-08	1.16E-07	1.45E-08	4.14E-08	5.59E-08
1366	438173.36	3762932.45	1.76E-07	5.53E-07	7.29E-07	2.73E-08	9.04E-08	1.18E-07	1.47E-08	4.19E-08	5.66E-08
1367	438170.54	3762941.76	1.78E-07	5.60E-07	7.38E-07	2.76E-08	9.15E-08	1.19E-07	1.49E-08	4.24E-08	5.73E-08
1368	438167.72	3762951.07	1.80E-07	5.66E-07	7.45E-07	2.79E-08	9.24E-08	1.20E-07	1.50E-08	4.29E-08	5.79E-08
1369	438164.89	3762960.37	1.81E-07	5.71E-07	7.52E-07	2.82E-08	9.33E-08	1.21E-07	1.52E-08	4.33E-08	5.84E-08
1370	438162.07	3762969.68	1.83E-07	5.75E-07	7.58E-07	2.84E-08	9.39E-08	1.22E-07	1.53E-08	4.36E-08	5.89E-08
1371	438159.25	3762978.99	1.84E-07	5.79E-07	7.62E-07	2.85E-08	9.45E-08	1.23E-07	1.54E-08	4.38E-08	5.92E-08
1372	438156.43	3762988.3	1.85E-07	5.81E-07	7.66E-07	2.87E-08	9.49E-08	1.24E-07	1.54E-08	4.40E-08	5.95E-08
1373	438153.6	3762997.61	1.85E-07	5.83E-07	7.68E-07	2.88E-08	9.53E-08	1.24E-07	1.55E-08	4.42E-08	5.97E-08
1374	438150.78	3763006.92	1.85E-07	5.84E-07	7.70E-07	2.88E-08	9.54E-08	1.24E-07	1.55E-08	4.43E-08	5.98E-08
1375	438147.96	3763016.22	1.85E-07	5.84E-07	7.70E-07	2.88E-08	9.54E-08	1.24E-07	1.55E-08	4.43E-08	5.98E-08
1376	438145.14	3763025.53	1.85E-07	5.83E-07	7.68E-07	2.88E-08	9.53E-08	1.24E-07	1.55E-08	4.42E-08	5.97E-08
1377	438142.31	3763034.84	1.85E-07	5.81E-07	7.66E-07	2.87E-08	9.50E-08	1.24E-07	1.55E-08	4.41E-08	5.95E-08
1378	438139.49	3763044.15	1.84E-07	5.79E-07	7.63E-07	2.86E-08	9.45E-08	1.23E-07	1.54E-08	4.39E-08	5.92E-08
1379	438111.27	3763137.23	1.58E-07	4.97E-07	6.55E-07	2.45E-08	8.13E-08	1.06E-07	1.32E-08	3.77E-08	5.09E-08
1380	438108.45	3763146.54	1.54E-07	4.85E-07	6.39E-07	2.39E-08	7.92E-08	1.03E-07	1.29E-08	3.67E-08	4.96E-08
1381	438105.62	3763155.85	1.51E-07	4.74E-07	6.25E-07	2.34E-08	7.75E-08	1.01E-07	1.26E-08	3.59E-08	4.85E-08
1382	438102.8	3763165.16	1.46E-07	4.61E-07	6.07E-07	2.27E-08	7.53E-08	9.80E-08	1.22E-08	3.49E-08	4.72E-08
1383	438099.98	3763174.47	1.42E-07	4.47E-07	5.89E-07	2.21E-08	7.30E-08	9.51E-08	1.19E-08	3.39E-08	4.57E-08
1384	438097.16	3763183.78	1.37E-07	4.33E-07	5.70E-07	2.13E-08	7.07E-08	9.20E-08	1.15E-08	3.28E-08	4.43E-08
1385	438094.34	3763193.08	1.33E-07	4.18E-07	5.51E-07	2.06E-08	6.83E-08	8.89E-08	1.11E-08	3.17E-08	4.28E-08
1386	438091.51	3763202.39	1.28E-07	4.03E-07	5.31E-07	1.99E-08	6.59E-08	8.58E-08	1.07E-08	3.06E-08	4.13E-08
1387	438195.97	3762838.36	1.48E-07	4.65E-07	6.12E-07	2.29E-08	7.59E-08	9.89E-08	1.24E-08	3.52E-08	4.76E-08
1388	438195.98	3762828.55	1.45E-07	4.57E-07	6.02E-07	2.26E-08	7.47E-08	9.72E-08	1.21E-08	3.46E-08	4.68E-08
1389	438196	3762818.74	1.43E-07	4.49E-07	5.92E-07	2.22E-08	7.34E-08	9.55E-08	1.19E-08	3.40E-08	4.60E-08
1390	438196.01	3762808.94	1.40E-07	4.41E-07	5.81E-07	2.17E-08	7.20E-08	9.37E-08	1.17E-08	3.34E-08	4.51E-08
1391	438196.03	3762799.13	1.37E-07	4.32E-07	5.70E-07	2.13E-08	7.06E-08	9.20E-08	1.15E-08	3.28E-08	4.43E-08
1392	438196.04	3762789.32	1.35E-07	4.24E-07	5.59E-07	2.09E-08	6.93E-08	9.02E-08	1.13E-08	3.21E-08	4.34E-08
1393	438196.05	3762779.51	1.32E-07	4.15E-07	5.47E-07	2.05E-08	6.78E-08	8.83E-08	1.10E-08	3.15E-08	4.25E-08
1394	438196.07	3762769.7	1.29E-07	4.06E-07	5.35E-07	2.00E-08	6.63E-08	8.63E-08	1.08E-08	3.08E-08	4.15E-08
1395	438196.08	3762759.89	1.26E-07	3.96E-07	5.22E-07	1.96E-08	6.48E-08	8.43E-08	1.05E-08	3.00E-08	4.06E-08
1396	438196.1	3762750.08	1.23E-07	3.87E-07	5.10E-07	1.91E-08	6.32E-08	8.23E-08	1.03E-08	2.93E-08	3.96E-08
1397	438196.11	3762740.27	1.20E-07	3.78E-07	4.98E-07	1.86E-08	6.17E-08	8.04E-08	1.00E-08	2.86E-08	3.87E-08
1398	438196.13	3762730.46	1.17E-07	3.69E-07	4.86E-07	1.82E-08	6.02E-08	7.84E-08	9.80E-09	2.79E-08	3.77E-08
1399	438196.14	3762720.65	1.14E-07	3.59E-07	4.74E-07	1.77E-08	5.87E-08	7.65E-08	9.55E-09	2.72E-08	3.68E-08

1400	438222.04	3762903.87	1.48E-07	4.68E-07	6.16E-07	2.31E-08	7.64E-08	9.94E-08	1.24E-08	3.54E-08	4.79E-08
1401	438219.26	3762913.04	1.51E-07	4.76E-07	6.27E-07	2.35E-08	7.77E-08	1.01E-07	1.26E-08	3.61E-08	4.87E-08
1402	438216.48	3762922.21	1.54E-07	4.84E-07	6.37E-07	2.39E-08	7.90E-08	1.03E-07	1.29E-08	3.67E-08	4.95E-08
1403	438213.7	3762931.37	1.56E-07	4.90E-07	6.46E-07	2.42E-08	8.01E-08	1.04E-07	1.30E-08	3.71E-08	5.02E-08
1404	438210.93	3762940.54	1.58E-07	4.96E-07	6.54E-07	2.45E-08	8.11E-08	1.06E-07	1.32E-08	3.76E-08	5.08E-08
1405	438208.15	3762949.71	1.59E-07	5.02E-07	6.61E-07	2.48E-08	8.20E-08	1.07E-07	1.33E-08	3.80E-08	5.14E-08
1406	438205.37	3762958.87	1.61E-07	5.07E-07	6.68E-07	2.50E-08	8.28E-08	1.08E-07	1.35E-08	3.84E-08	5.19E-08
1407	438202.59	3762968.04	1.62E-07	5.11E-07	6.73E-07	2.52E-08	8.35E-08	1.09E-07	1.36E-08	3.87E-08	5.23E-08
1408	438199.81	3762977.2	1.64E-07	5.15E-07	6.79E-07	2.54E-08	8.41E-08	1.10E-07	1.37E-08	3.90E-08	5.27E-08
1409	438197.03	3762986.37	1.65E-07	5.18E-07	6.83E-07	2.56E-08	8.47E-08	1.10E-07	1.38E-08	3.93E-08	5.30E-08
1410	438194.25	3762995.54	1.65E-07	5.21E-07	6.86E-07	2.57E-08	8.51E-08	1.11E-07	1.38E-08	3.95E-08	5.33E-08
1411	438191.47	3763004.7	1.66E-07	5.23E-07	6.89E-07	2.58E-08	8.54E-08	1.11E-07	1.39E-08	3.96E-08	5.35E-08
1412	438188.69	3763013.87	1.66E-07	5.24E-07	6.91E-07	2.59E-08	8.56E-08	1.11E-07	1.39E-08	3.97E-08	5.36E-08
1413	438185.91	3763023.04	1.67E-07	5.25E-07	6.91E-07	2.59E-08	8.57E-08	1.12E-07	1.39E-08	3.98E-08	5.37E-08
1414	438183.13	3763032.2	1.67E-07	5.24E-07	6.91E-07	2.59E-08	8.57E-08	1.12E-07	1.39E-08	3.97E-08	5.37E-08
1415	438180.35	3763041.37	1.66E-07	5.24E-07	6.90E-07	2.58E-08	8.55E-08	1.11E-07	1.39E-08	3.97E-08	5.36E-08
1416	438177.57	3763050.54	1.66E-07	5.22E-07	6.87E-07	2.57E-08	8.52E-08	1.11E-07	1.39E-08	3.95E-08	5.34E-08
1417	438174.79	3763059.7	1.65E-07	5.19E-07	6.84E-07	2.56E-08	8.48E-08	1.10E-07	1.38E-08	3.94E-08	5.32E-08
1418	438172.01	3763068.87	1.64E-07	5.16E-07	6.80E-07	2.55E-08	8.43E-08	1.10E-07	1.37E-08	3.91E-08	5.28E-08
1419	438169.24	3763078.04	1.63E-07	5.12E-07	6.75E-07	2.53E-08	8.37E-08	1.09E-07	1.36E-08	3.88E-08	5.24E-08
1420	438166.46	3763087.2	1.61E-07	5.07E-07	6.68E-07	2.50E-08	8.29E-08	1.08E-07	1.35E-08	3.84E-08	5.19E-08
1421	438163.68	3763096.37	1.59E-07	5.02E-07	6.61E-07	2.47E-08	8.19E-08	1.07E-07	1.33E-08	3.80E-08	5.13E-08
1422	438160.9	3763105.54	1.57E-07	4.95E-07	6.52E-07	2.44E-08	8.09E-08	1.05E-07	1.32E-08	3.75E-08	5.07E-08
1423	438158.12	3763114.7	1.55E-07	4.88E-07	6.42E-07	2.41E-08	7.97E-08	1.04E-07	1.30E-08	3.69E-08	4.99E-08
1424	438155.34	3763123.87	1.52E-07	4.79E-07	6.31E-07	2.36E-08	7.83E-08	1.02E-07	1.27E-08	3.63E-08	4.90E-08
1425	438152.56	3763133.03	1.49E-07	4.70E-07	6.19E-07	2.32E-08	7.68E-08	9.99E-08	1.25E-08	3.56E-08	4.81E-08
1426	438149.78	3763142.2	1.46E-07	4.60E-07	6.06E-07	2.27E-08	7.52E-08	9.79E-08	1.22E-08	3.49E-08	4.71E-08
1427	438147	3763151.37	1.44E-07	4.53E-07	5.96E-07	2.23E-08	7.39E-08	9.63E-08	1.20E-08	3.43E-08	4.63E-08
1428	438144.22	3763160.53	1.40E-07	4.42E-07	5.83E-07	2.18E-08	7.23E-08	9.41E-08	1.18E-08	3.35E-08	4.53E-08
1429	438141.44	3763169.7	1.37E-07	4.32E-07	5.69E-07	2.13E-08	7.05E-08	9.18E-08	1.15E-08	3.27E-08	4.42E-08
1430	438138.66	3763178.87	1.34E-07	4.21E-07	5.55E-07	2.08E-08	6.88E-08	8.95E-08	1.12E-08	3.19E-08	4.31E-08
1431	438135.88	3763188.03	1.30E-07	4.10E-07	5.40E-07	2.02E-08	6.69E-08	8.72E-08	1.09E-08	3.11E-08	4.19E-08
1432	438133.1	3763197.2	1.26E-07	3.98E-07	5.25E-07	1.96E-08	6.50E-08	8.47E-08	1.06E-08	3.02E-08	4.08E-08
1433	438130.33	3763206.37	1.23E-07	3.87E-07	5.09E-07	1.91E-08	6.31E-08	8.22E-08	1.03E-08	2.93E-08	3.96E-08
1434	438127.55	3763215.53	1.19E-07	3.75E-07	4.94E-07	1.85E-08	6.12E-08	7.97E-08	9.96E-09	2.84E-08	3.84E-08
1435	438235.97	3762838.42	1.31E-07	4.13E-07	5.45E-07	2.04E-08	6.75E-08	8.79E-08	1.10E-08	3.13E-08	4.23E-08
1436	438235.98	3762828.61	1.29E-07	4.07E-07	5.36E-07	2.01E-08	6.64E-08	8.65E-08	1.08E-08	3.08E-08	4.16E-08
1437	438236	3762818.8	1.27E-07	4.00E-07	5.27E-07	1.97E-08	6.53E-08	8.50E-08	1.06E-08	3.03E-08	4.09E-08
1438	438236.01	3762808.99	1.25E-07	3.93E-07	5.17E-07	1.94E-08	6.41E-08	8.35E-08	1.04E-08	2.97E-08	4.02E-08
1439	438236.02	3762799.18	1.22E-07	3.85E-07	5.07E-07	1.90E-08	6.29E-08	8.19E-08	1.02E-08	2.92E-08	3.94E-08
1440	438236.04	3762789.38	1.20E-07	3.78E-07	4.97E-07	1.86E-08	6.17E-08	8.03E-08	1.00E-08	2.86E-08	3.86E-08
1441	438236.05	3762779.57	1.17E-07	3.70E-07	4.87E-07	1.82E-08	6.04E-08	7.87E-08	9.83E-09	2.80E-08	3.79E-08
1442	438236.07	3762769.76	1.15E-07	3.62E-07	4.77E-07	1.79E-08	5.91E-08	7.70E-08	9.62E-09	2.74E-08	3.71E-08
1443	438236.08	3762759.95	1.12E-07	3.54E-07	4.66E-07	1.75E-08	5.78E-08	7.53E-08	9.41E-09	2.68E-08	3.62E-08
1444	438236.1	3762750.14	1.10E-07	3.46E-07	4.56E-07	1.71E-08	5.65E-08	7.36E-08	9.19E-09	2.62E-08	3.54E-08
1445	438261.91	3762904.37	1.32E-07	4.15E-07	5.47E-07	2.05E-08	6.79E-08	8.83E-08	1.10E-08	3.15E-08	4.25E-08
1446	438259.1	3762913.62	1.34E-07	4.22E-07	5.56E-07	2.08E-08	6.90E-08	8.98E-08	1.12E-08	3.20E-08	4.32E-08
1447	438256.3	3762922.88	1.36E-07	4.29E-07	5.65E-07	2.12E-08	7.00E-08	9.12E-08	1.14E-08	3.25E-08	4.39E-08
1448	438253.49	3762932.13	1.38E-07	4.35E-07	5.73E-07	2.15E-08	7.11E-08	9.25E-08	1.16E-08	3.30E-08	4.45E-08
1449	438250.69	3762941.39	1.40E-07	4.41E-07	5.80E-07	2.17E-08	7.20E-08	9.37E-08	1.17E-08	3.34E-08	4.51E-08
1450	438247.88	3762950.64	1.42E-07	4.46E-07	5.87E-07	2.20E-08	7.28E-08	9.48E-08	1.18E-08	3.38E-08	4.56E-08
1451	438245.07	3762959.9	1.43E-07	4.51E-07	5.94E-07	2.22E-08	7.36E-08	9.59E-08	1.20E-08	3.42E-08	4.61E-08
1452	438242.27	3762969.15	1.45E-07	4.55E-07	6.00E-07	2.25E-08	7.44E-08	9.69E-08	1.21E-08	3.45E-08	4.66E-08
1453	438239.46	3762978.4	1.46E-07	4.60E-07	6.06E-07	2.27E-08	7.51E-08	9.78E-08	1.22E-08	3.48E-08	4.70E-08
1454	438236.66	3762987.66	1.47E-07	4.63E-07	6.10E-07	2.29E-08	7.57E-08	9.85E-08	1.23E-08	3.51E-08	4.74E-08
1455	438233.85	3762996.91	1.48E-07	4.66E-07	6.14E-07	2.30E-08	7.62E-08	9.92E-08	1.24E-08	3.53E-08	4.77E-08
1456	438231.04	3763006.17	1.49E-07	4.69E-07	6.18E-07	2.31E-08	7.66E-08	9.97E-08	1.25E-08	3.55E-08	4.80E-08
1457	438228.24	3763015.42	1.49E-07	4.71E-07	6.20E-07	2.32E-08	7.69E-08	1.00E-07	1.25E-08	3.57E-08	4.82E-08
1458	438225.43	3763024.68	1.50E-07	4.72E-07	6.22E-07	2.33E-08	7.71E-08	1.00E-07	1.25E-08	3.58E-08	4.83E-08
1459	438222.63	3763033.93	1.50E-07	4.73E-07	6.23E-07	2.33E-08	7.73E-08	1.01E-07	1.26E-08	3.58E-08	4.84E-08
1460	438219.82	3763043.18	1.50E-07	4.73E-07	6.24E-07	2.34E-08	7.73E-08	1.01E-07	1.26E-08	3.59E-08	4.84E-08

1461	438217.01	3763052.44	1.50E-07	4.73E-07	6.23E-07	2.33E-08	7.72E-08	1.01E-07	1.26E-08	3.58E-08	4.84E-08
1462	438214.21	3763061.69	1.50E-07	4.72E-07	6.21E-07	2.33E-08	7.70E-08	1.00E-07	1.25E-08	3.57E-08	4.83E-08
1463	438211.4	3763070.95	1.49E-07	4.70E-07	6.19E-07	2.32E-08	7.67E-08	9.99E-08	1.25E-08	3.56E-08	4.81E-08
1464	438208.6	3763080.2	1.48E-07	4.67E-07	6.16E-07	2.31E-08	7.63E-08	9.94E-08	1.24E-08	3.54E-08	4.78E-08
1465	438205.79	3763089.46	1.47E-07	4.64E-07	6.11E-07	2.29E-08	7.58E-08	9.86E-08	1.23E-08	3.51E-08	4.75E-08
1466	438202.98	3763098.71	1.46E-07	4.60E-07	6.06E-07	2.27E-08	7.51E-08	9.78E-08	1.22E-08	3.48E-08	4.71E-08
1467	438200.18	3763107.96	1.44E-07	4.55E-07	5.99E-07	2.24E-08	7.43E-08	9.68E-08	1.21E-08	3.45E-08	4.66E-08
1468	438197.37	3763117.22	1.43E-07	4.49E-07	5.92E-07	2.22E-08	7.34E-08	9.56E-08	1.19E-08	3.41E-08	4.60E-08
1469	438194.57	3763126.47	1.41E-07	4.43E-07	5.84E-07	2.19E-08	7.24E-08	9.43E-08	1.18E-08	3.36E-08	4.54E-08
1470	438191.76	3763135.73	1.39E-07	4.36E-07	5.75E-07	2.15E-08	7.13E-08	9.28E-08	1.16E-08	3.31E-08	4.47E-08
1471	438188.96	3763144.98	1.36E-07	4.29E-07	5.65E-07	2.12E-08	7.01E-08	9.13E-08	1.14E-08	3.25E-08	4.39E-08
1472	438186.15	3763154.24	1.34E-07	4.21E-07	5.55E-07	2.08E-08	6.88E-08	8.96E-08	1.12E-08	3.19E-08	4.31E-08
1473	438183.34	3763163.49	1.32E-07	4.15E-07	5.47E-07	2.05E-08	6.78E-08	8.83E-08	1.10E-08	3.14E-08	4.25E-08
1474	438180.54	3763172.74	1.29E-07	4.06E-07	5.35E-07	2.00E-08	6.64E-08	8.64E-08	1.08E-08	3.08E-08	4.16E-08
1475	438177.73	3763182	1.26E-07	3.97E-07	5.24E-07	1.96E-08	6.49E-08	8.45E-08	1.06E-08	3.01E-08	4.07E-08
1476	438174.93	3763191.25	1.23E-07	3.88E-07	5.12E-07	1.92E-08	6.34E-08	8.26E-08	1.03E-08	2.94E-08	3.97E-08
1477	438172.12	3763200.51	1.20E-07	3.79E-07	4.99E-07	1.87E-08	6.19E-08	8.06E-08	1.01E-08	2.87E-08	3.88E-08
1478	438169.31	3763209.76	1.17E-07	3.70E-07	4.87E-07	1.82E-08	6.04E-08	7.86E-08	9.82E-09	2.80E-08	3.78E-08
1479	438166.51	3763219.01	1.14E-07	3.60E-07	4.74E-07	1.78E-08	5.88E-08	7.66E-08	9.57E-09	2.73E-08	3.68E-08
1480	438163.7	3763228.27	1.11E-07	3.50E-07	4.61E-07	1.73E-08	5.72E-08	7.45E-08	9.30E-09	2.65E-08	3.58E-08
1481	438160.9	3763237.52	1.08E-07	3.40E-07	4.48E-07	1.68E-08	5.55E-08	7.23E-08	9.04E-09	2.58E-08	3.48E-08
1482	438158.09	3763246.78	1.05E-07	3.30E-07	4.35E-07	1.63E-08	5.39E-08	7.01E-08	8.77E-09	2.50E-08	3.38E-08
1483	438275.97	3762838.48	1.17E-07	3.70E-07	4.87E-07	1.83E-08	6.04E-08	7.87E-08	9.83E-09	2.80E-08	3.79E-08
1484	438275.98	3762828.67	1.16E-07	3.65E-07	4.81E-07	1.80E-08	5.96E-08	7.76E-08	9.70E-09	2.76E-08	3.73E-08
1485	438276	3762818.86	1.14E-07	3.60E-07	4.74E-07	1.77E-08	5.88E-08	7.65E-08	9.56E-09	2.73E-08	3.68E-08
1486	438276.01	3762809.05	1.12E-07	3.54E-07	4.67E-07	1.75E-08	5.79E-08	7.53E-08	9.41E-09	2.68E-08	3.62E-08
1487	438276.02	3762799.24	1.10E-07	3.48E-07	4.58E-07	1.72E-08	5.68E-08	7.40E-08	9.24E-09	2.64E-08	3.56E-08
1488	438276.04	3762789.43	1.08E-07	3.41E-07	4.50E-07	1.68E-08	5.58E-08	7.26E-08	9.07E-09	2.59E-08	3.49E-08
1489	438276.05	3762779.62	1.06E-07	3.35E-07	4.41E-07	1.65E-08	5.47E-08	7.12E-08	8.90E-09	2.54E-08	3.43E-08
1490	438276.07	3762769.81	1.04E-07	3.28E-07	4.32E-07	1.62E-08	5.36E-08	6.98E-08	8.72E-09	2.48E-08	3.36E-08
1491	438276.08	3762760.01	1.02E-07	3.21E-07	4.23E-07	1.58E-08	5.25E-08	6.83E-08	8.53E-09	2.43E-08	3.29E-08
1492	438276.1	3762750.2	9.98E-08	3.14E-07	4.14E-07	1.55E-08	5.13E-08	6.68E-08	8.35E-09	2.38E-08	3.22E-08
1493	438301.79	3762904.83	1.19E-07	3.75E-07	4.93E-07	1.85E-08	6.12E-08	7.97E-08	9.95E-09	2.84E-08	3.83E-08
1494	438298.96	3762914.16	1.21E-07	3.80E-07	5.01E-07	1.88E-08	6.22E-08	8.09E-08	1.01E-08	2.88E-08	3.89E-08
1495	438296.13	3762923.5	1.23E-07	3.86E-07	5.09E-07	1.90E-08	6.31E-08	8.21E-08	1.03E-08	2.92E-08	3.95E-08
1496	438293.3	3762932.83	1.24E-07	3.91E-07	5.15E-07	1.93E-08	6.39E-08	8.32E-08	1.04E-08	2.96E-08	4.00E-08
1497	438290.47	3762942.16	1.26E-07	3.96E-07	5.21E-07	1.95E-08	6.46E-08	8.41E-08	1.05E-08	3.00E-08	4.05E-08
1498	438287.64	3762951.5	1.27E-07	4.00E-07	5.27E-07	1.97E-08	6.53E-08	8.50E-08	1.06E-08	3.03E-08	4.09E-08
1499	438284.81	3762960.83	1.28E-07	4.04E-07	5.32E-07	1.99E-08	6.59E-08	8.59E-08	1.07E-08	3.06E-08	4.13E-08
1500	438281.98	3762970.17	1.30E-07	4.08E-07	5.38E-07	2.01E-08	6.66E-08	8.68E-08	1.08E-08	3.09E-08	4.18E-08
1501	438279.15	3762979.5	1.31E-07	4.12E-07	5.43E-07	2.03E-08	6.73E-08	8.76E-08	1.10E-08	3.12E-08	4.22E-08
1502	438276.32	3762988.84	1.32E-07	4.16E-07	5.48E-07	2.05E-08	6.79E-08	8.84E-08	1.10E-08	3.15E-08	4.25E-08
1503	438273.49	3762998.17	1.33E-07	4.19E-07	5.52E-07	2.07E-08	6.85E-08	8.91E-08	1.11E-08	3.18E-08	4.29E-08
1504	438270.66	3763007.5	1.34E-07	4.22E-07	5.56E-07	2.08E-08	6.89E-08	8.98E-08	1.12E-08	3.20E-08	4.32E-08
1505	438267.83	3763016.84	1.35E-07	4.25E-07	5.59E-07	2.10E-08	6.94E-08	9.03E-08	1.13E-08	3.22E-08	4.35E-08
1506	438265	3763026.17	1.35E-07	4.26E-07	5.62E-07	2.10E-08	6.97E-08	9.07E-08	1.13E-08	3.23E-08	4.36E-08
1507	438262.17	3763035.51	1.36E-07	4.28E-07	5.64E-07	2.11E-08	6.99E-08	9.10E-08	1.14E-08	3.24E-08	4.38E-08
1508	438259.34	3763044.84	1.36E-07	4.29E-07	5.65E-07	2.11E-08	7.00E-08	9.12E-08	1.14E-08	3.25E-08	4.39E-08
1509	438256.51	3763054.18	1.36E-07	4.29E-07	5.65E-07	2.12E-08	7.01E-08	9.12E-08	1.14E-08	3.25E-08	4.39E-08
1510	438253.68	3763063.51	1.36E-07	4.29E-07	5.65E-07	2.12E-08	7.00E-08	9.12E-08	1.14E-08	3.25E-08	4.39E-08
1511	438250.85	3763072.84	1.36E-07	4.28E-07	5.64E-07	2.11E-08	6.99E-08	9.10E-08	1.14E-08	3.24E-08	4.38E-08
1512	438248.01	3763082.18	1.35E-07	4.27E-07	5.62E-07	2.10E-08	6.97E-08	9.07E-08	1.13E-08	3.23E-08	4.37E-08
1513	438245.18	3763091.51	1.35E-07	4.24E-07	5.59E-07	2.09E-08	6.93E-08	9.03E-08	1.13E-08	3.22E-08	4.34E-08
1514	438242.35	3763100.85	1.34E-07	4.22E-07	5.56E-07	2.08E-08	6.89E-08	8.97E-08	1.12E-08	3.20E-08	4.32E-08
1515	438239.52	3763110.18	1.33E-07	4.18E-07	5.51E-07	2.06E-08	6.84E-08	8.90E-08	1.11E-08	3.17E-08	4.28E-08
1516	438236.69	3763119.52	1.32E-07	4.15E-07	5.46E-07	2.05E-08	6.77E-08	8.82E-08	1.10E-08	3.14E-08	4.24E-08
1517	438233.86	3763128.85	1.30E-07	4.10E-07	5.40E-07	2.02E-08	6.70E-08	8.72E-08	1.09E-08	3.11E-08	4.20E-08
1518	438231.03	3763138.18	1.29E-07	4.05E-07	5.34E-07	2.00E-08	6.62E-08	8.61E-08	1.08E-08	3.07E-08	4.15E-08
1519	438228.2	3763147.52	1.27E-07	4.00E-07	5.26E-07	1.97E-08	6.53E-08	8.50E-08	1.06E-08	3.03E-08	4.09E-08
1520	438225.37	3763156.85	1.25E-07	3.94E-07	5.19E-07	1.94E-08	6.43E-08	8.37E-08	1.05E-08	2.98E-08	4.03E-08
1521	438222.54	3763166.19	1.23E-07	3.87E-07	5.10E-07	1.91E-08	6.33E-08	8.24E-08	1.03E-08	2.93E-08	3.96E-08

1522	438219.71	3763175.52	1.21E-07	3.80E-07	5.01E-07	1.88E-08	6.21E-08	8.09E-08	1.01E-08	2.88E-08	3.89E-08
1523	438216.88	3763184.86	1.19E-07	3.75E-07	4.94E-07	1.85E-08	6.12E-08	7.97E-08	9.96E-09	2.84E-08	3.84E-08
1524	438214.05	3763194.19	1.17E-07	3.67E-07	4.84E-07	1.81E-08	6.00E-08	7.82E-08	9.77E-09	2.78E-08	3.76E-08
1525	438211.22	3763203.52	1.14E-07	3.60E-07	4.74E-07	1.77E-08	5.88E-08	7.65E-08	9.56E-09	2.73E-08	3.68E-08
1526	438208.39	3763212.86	1.12E-07	3.52E-07	4.63E-07	1.74E-08	5.75E-08	7.48E-08	9.35E-09	2.66E-08	3.60E-08
1527	438205.56	3763222.19	1.09E-07	3.43E-07	4.53E-07	1.69E-08	5.61E-08	7.31E-08	9.13E-09	2.60E-08	3.52E-08
1528	438202.73	3763231.53	1.06E-07	3.35E-07	4.42E-07	1.65E-08	5.47E-08	7.13E-08	8.91E-09	2.54E-08	3.43E-08
1529	438199.9	3763240.86	1.04E-07	3.27E-07	4.31E-07	1.61E-08	5.34E-08	6.95E-08	8.69E-09	2.48E-08	3.34E-08
1530	438197.07	3763250.19	1.01E-07	3.17E-07	4.17E-07	1.56E-08	5.17E-08	6.73E-08	8.41E-09	2.40E-08	3.24E-08
1531	438194.24	3763259.53	9.77E-08	3.08E-07	4.06E-07	1.52E-08	5.03E-08	6.55E-08	8.18E-09	2.33E-08	3.15E-08
1532	438191.41	3763268.86	9.48E-08	2.99E-07	3.93E-07	1.47E-08	4.88E-08	6.35E-08	7.93E-09	2.26E-08	3.06E-08
1533	438315.97	3762838.54	1.06E-07	3.33E-07	4.39E-07	1.64E-08	5.44E-08	7.08E-08	8.85E-09	2.52E-08	3.41E-08
1534	438315.98	3762828.73	1.04E-07	3.29E-07	4.33E-07	1.62E-08	5.37E-08	6.99E-08	8.74E-09	2.49E-08	3.36E-08
1535	438316	3762818.92	1.03E-07	3.24E-07	4.27E-07	1.60E-08	5.30E-08	6.90E-08	8.62E-09	2.46E-08	3.32E-08
1536	438316.01	3762809.11	1.01E-07	3.19E-07	4.21E-07	1.58E-08	5.22E-08	6.79E-08	8.49E-09	2.42E-08	3.27E-08
1537	438316.02	3762799.3	9.97E-08	3.14E-07	4.14E-07	1.55E-08	5.13E-08	6.68E-08	8.34E-09	2.38E-08	3.21E-08
1538	438316.04	3762789.49	9.79E-08	3.08E-07	4.06E-07	1.52E-08	5.04E-08	6.56E-08	8.19E-09	2.34E-08	3.15E-08
1539	438316.05	3762779.68	9.61E-08	3.03E-07	3.99E-07	1.49E-08	4.94E-08	6.44E-08	8.04E-09	2.29E-08	3.10E-08
1540	438316.07	3762769.87	9.42E-08	2.97E-07	3.91E-07	1.46E-08	4.85E-08	6.31E-08	7.89E-09	2.25E-08	3.04E-08
1541	438316.08	3762760.06	9.23E-08	2.91E-07	3.83E-07	1.43E-08	4.75E-08	6.19E-08	7.73E-09	2.20E-08	2.98E-08
1542	438316.1	3762750.25	9.04E-08	2.85E-07	3.75E-07	1.41E-08	4.65E-08	6.06E-08	7.57E-09	2.16E-08	2.92E-08
1543	438341.97	3762904.27	1.07E-07	3.36E-07	4.43E-07	1.66E-08	5.50E-08	7.16E-08	8.94E-09	2.55E-08	3.44E-08
1544	438339.18	3762913.48	1.09E-07	3.42E-07	4.51E-07	1.69E-08	5.59E-08	7.28E-08	9.09E-09	2.59E-08	3.50E-08
1545	438336.39	3762922.7	1.10E-07	3.48E-07	4.58E-07	1.71E-08	5.68E-08	7.39E-08	9.24E-09	2.63E-08	3.56E-08
1546	438333.6	3762931.91	1.12E-07	3.53E-07	4.65E-07	1.74E-08	5.76E-08	7.50E-08	9.38E-09	2.67E-08	3.61E-08
1547	438330.8	3762941.12	1.13E-07	3.57E-07	4.71E-07	1.76E-08	5.84E-08	7.60E-08	9.50E-09	2.71E-08	3.66E-08
1548	438328.01	3762950.33	1.15E-07	3.62E-07	4.77E-07	1.78E-08	5.91E-08	7.69E-08	9.61E-09	2.74E-08	3.70E-08
1549	438325.22	3762959.54	1.16E-07	3.66E-07	4.82E-07	1.80E-08	5.97E-08	7.78E-08	9.72E-09	2.77E-08	3.74E-08
1550	438322.42	3762968.75	1.17E-07	3.69E-07	4.86E-07	1.82E-08	6.03E-08	7.85E-08	9.81E-09	2.80E-08	3.78E-08
1551	438319.63	3762977.96	1.18E-07	3.72E-07	4.91E-07	1.84E-08	6.08E-08	7.92E-08	9.90E-09	2.82E-08	3.81E-08
1552	438316.84	3762987.17	1.19E-07	3.75E-07	4.95E-07	1.85E-08	6.13E-08	7.98E-08	9.98E-09	2.84E-08	3.84E-08
1553	438314.05	3762996.39	1.20E-07	3.78E-07	4.98E-07	1.87E-08	6.18E-08	8.05E-08	1.01E-08	2.87E-08	3.87E-08
1554	438311.25	3763005.6	1.21E-07	3.81E-07	5.02E-07	1.88E-08	6.22E-08	8.10E-08	1.01E-08	2.89E-08	3.90E-08
1555	438308.46	3763014.81	1.22E-07	3.83E-07	5.05E-07	1.89E-08	6.26E-08	8.15E-08	1.02E-08	2.90E-08	3.92E-08
1556	438305.67	3763024.02	1.22E-07	3.85E-07	5.07E-07	1.90E-08	6.29E-08	8.19E-08	1.02E-08	2.92E-08	3.94E-08
1557	438302.87	3763033.23	1.23E-07	3.87E-07	5.10E-07	1.91E-08	6.32E-08	8.23E-08	1.03E-08	2.93E-08	3.96E-08
1558	438300.08	3763042.44	1.23E-07	3.88E-07	5.11E-07	1.91E-08	6.34E-08	8.25E-08	1.03E-08	2.94E-08	3.97E-08
1559	438297.29	3763051.65	1.24E-07	3.89E-07	5.13E-07	1.92E-08	6.36E-08	8.28E-08	1.03E-08	2.95E-08	3.98E-08
1560	438294.49	3763060.87	1.24E-07	3.90E-07	5.14E-07	1.92E-08	6.37E-08	8.29E-08	1.04E-08	2.95E-08	3.99E-08
1561	438291.7	3763070.08	1.24E-07	3.90E-07	5.14E-07	1.93E-08	6.38E-08	8.30E-08	1.04E-08	2.96E-08	3.99E-08
1562	438288.91	3763079.29	1.24E-07	3.90E-07	5.14E-07	1.92E-08	6.37E-08	8.30E-08	1.04E-08	2.96E-08	3.99E-08
1563	438286.12	3763088.5	1.24E-07	3.89E-07	5.13E-07	1.92E-08	6.36E-08	8.28E-08	1.03E-08	2.95E-08	3.98E-08
1564	438283.32	3763097.71	1.23E-07	3.88E-07	5.11E-07	1.91E-08	6.33E-08	8.25E-08	1.03E-08	2.94E-08	3.97E-08
1565	438280.53	3763106.92	1.23E-07	3.86E-07	5.09E-07	1.90E-08	6.31E-08	8.21E-08	1.03E-08	2.93E-08	3.95E-08
1566	438277.74	3763116.13	1.22E-07	3.84E-07	5.06E-07	1.89E-08	6.27E-08	8.16E-08	1.02E-08	2.91E-08	3.93E-08
1567	438274.94	3763125.35	1.21E-07	3.81E-07	5.02E-07	1.88E-08	6.23E-08	8.11E-08	1.01E-08	2.89E-08	3.90E-08
1568	438272.15	3763134.56	1.20E-07	3.78E-07	4.98E-07	1.86E-08	6.17E-08	8.04E-08	1.00E-08	2.86E-08	3.87E-08
1569	438269.36	3763143.77	1.19E-07	3.74E-07	4.93E-07	1.85E-08	6.11E-08	7.96E-08	9.94E-09	2.83E-08	3.83E-08
1570	438266.56	3763152.98	1.17E-07	3.70E-07	4.88E-07	1.83E-08	6.04E-08	7.87E-08	9.83E-09	2.80E-08	3.79E-08
1571	438263.77	3763162.19	1.16E-07	3.65E-07	4.82E-07	1.80E-08	5.97E-08	7.77E-08	9.71E-09	2.77E-08	3.74E-08
1572	438260.98	3763171.4	1.15E-07	3.61E-07	4.75E-07	1.78E-08	5.89E-08	7.67E-08	9.58E-09	2.73E-08	3.69E-08
1573	438258.19	3763180.61	1.13E-07	3.55E-07	4.68E-07	1.75E-08	5.80E-08	7.56E-08	9.44E-09	2.69E-08	3.64E-08
1574	438255.39	3763189.83	1.11E-07	3.50E-07	4.61E-07	1.73E-08	5.71E-08	7.44E-08	9.29E-09	2.65E-08	3.58E-08
1575	438252.6	3763199.04	1.09E-07	3.44E-07	4.53E-07	1.70E-08	5.61E-08	7.31E-08	9.13E-09	2.60E-08	3.52E-08
1576	438249.81	3763208.25	1.07E-07	3.38E-07	4.45E-07	1.67E-08	5.51E-08	7.18E-08	8.97E-09	2.56E-08	3.45E-08
1577	438247.01	3763217.46	1.05E-07	3.31E-07	4.36E-07	1.63E-08	5.41E-08	7.04E-08	8.80E-09	2.51E-08	3.39E-08
1578	438244.22	3763226.67	1.03E-07	3.24E-07	4.28E-07	1.60E-08	5.30E-08	6.90E-08	8.62E-09	2.46E-08	3.32E-08
1579	438241.43	3763235.88	1.01E-07	3.18E-07	4.19E-07	1.57E-08	5.19E-08	6.76E-08	8.44E-09	2.41E-08	3.25E-08
1580	438238.64	3763245.09	9.87E-08	3.11E-07	4.09E-07	1.53E-08	5.08E-08	6.61E-08	8.26E-09	2.36E-08	3.18E-08
1581	438235.84	3763254.31	9.64E-08	3.04E-07	4.00E-07	1.50E-08	4.96E-08	6.46E-08	8.07E-09	2.30E-08	3.11E-08
1582	438233.05	3763263.52	9.40E-08	2.96E-07	3.90E-07	1.46E-08	4.84E-08	6.30E-08	7.87E-09	2.24E-08	3.03E-08

1583	438230.26	3763272.73	9.14E-08	2.88E-07	3.79E-07	1.42E-08	4.70E-08	6.13E-08	7.65E-09	2.18E-08	2.95E-08
1584	438227.46	3763281.94	8.88E-08	2.80E-07	3.69E-07	1.38E-08	4.57E-08	5.95E-08	7.44E-09	2.12E-08	2.86E-08
1585	438224.67	3763291.15	8.67E-08	2.73E-07	3.60E-07	1.35E-08	4.46E-08	5.81E-08	7.26E-09	2.07E-08	2.80E-08
1586	438353.71	3762997.55	1.09E-07	3.44E-07	4.53E-07	1.70E-08	5.62E-08	7.31E-08	9.14E-09	2.61E-08	3.52E-08
1587	438350.89	3763006.84	1.10E-07	3.46E-07	4.56E-07	1.71E-08	5.66E-08	7.37E-08	9.21E-09	2.63E-08	3.55E-08
1588	438348.08	3763016.12	1.11E-07	3.49E-07	4.60E-07	1.72E-08	5.70E-08	7.42E-08	9.27E-09	2.64E-08	3.57E-08
1589	438345.26	3763025.41	1.11E-07	3.51E-07	4.62E-07	1.73E-08	5.73E-08	7.46E-08	9.32E-09	2.66E-08	3.59E-08
1590	438342.45	3763034.69	1.12E-07	3.52E-07	4.64E-07	1.74E-08	5.75E-08	7.49E-08	9.36E-09	2.67E-08	3.60E-08
1591	438339.63	3763043.98	1.12E-07	3.53E-07	4.65E-07	1.74E-08	5.77E-08	7.51E-08	9.39E-09	2.68E-08	3.61E-08
1592	438336.82	3763053.26	1.12E-07	3.54E-07	4.67E-07	1.75E-08	5.79E-08	7.53E-08	9.41E-09	2.68E-08	3.62E-08
1593	438334	3763062.55	1.13E-07	3.55E-07	4.68E-07	1.75E-08	5.80E-08	7.56E-08	9.44E-09	2.69E-08	3.64E-08
1594	438331.19	3763071.83	1.13E-07	3.56E-07	4.69E-07	1.76E-08	5.82E-08	7.57E-08	9.46E-09	2.70E-08	3.64E-08
1595	438328.37	3763081.12	1.13E-07	3.57E-07	4.70E-07	1.76E-08	5.82E-08	7.58E-08	9.48E-09	2.70E-08	3.65E-08
1596	438325.56	3763090.4	1.13E-07	3.56E-07	4.69E-07	1.76E-08	5.82E-08	7.57E-08	9.46E-09	2.70E-08	3.64E-08
1597	438322.74	3763099.69	1.13E-07	3.55E-07	4.68E-07	1.75E-08	5.80E-08	7.56E-08	9.44E-09	2.69E-08	3.64E-08
1598	438319.93	3763108.97	1.12E-07	3.54E-07	4.66E-07	1.75E-08	5.78E-08	7.53E-08	9.41E-09	2.68E-08	3.62E-08
1599	438317.11	3763118.26	1.12E-07	3.53E-07	4.65E-07	1.74E-08	5.76E-08	7.50E-08	9.38E-09	2.67E-08	3.61E-08
1600	438314.3	3763127.54	1.12E-07	3.51E-07	4.63E-07	1.73E-08	5.74E-08	7.47E-08	9.33E-09	2.66E-08	3.59E-08
1601	438311.48	3763136.83	1.11E-07	3.49E-07	4.60E-07	1.72E-08	5.70E-08	7.43E-08	9.28E-09	2.65E-08	3.57E-08
1602	438308.67	3763146.11	1.10E-07	3.46E-07	4.56E-07	1.71E-08	5.66E-08	7.37E-08	9.21E-09	2.63E-08	3.55E-08
1603	438305.85	3763155.4	1.09E-07	3.43E-07	4.52E-07	1.69E-08	5.61E-08	7.30E-08	9.12E-09	2.60E-08	3.51E-08
1604	438303.03	3763164.68	1.08E-07	3.40E-07	4.47E-07	1.68E-08	5.55E-08	7.22E-08	9.02E-09	2.57E-08	3.48E-08
1605	438300.22	3763173.97	1.07E-07	3.36E-07	4.42E-07	1.66E-08	5.48E-08	7.14E-08	8.92E-09	2.54E-08	3.44E-08
1606	438297.4	3763183.25	1.06E-07	3.33E-07	4.39E-07	1.64E-08	5.44E-08	7.08E-08	8.85E-09	2.52E-08	3.41E-08
1607	438294.59	3763192.54	1.04E-07	3.29E-07	4.33E-07	1.62E-08	5.37E-08	6.99E-08	8.74E-09	2.49E-08	3.36E-08
1608	438291.77	3763201.82	1.03E-07	3.24E-07	4.27E-07	1.60E-08	5.29E-08	6.89E-08	8.61E-09	2.46E-08	3.32E-08
1609	438288.96	3763211.11	1.01E-07	3.19E-07	4.21E-07	1.58E-08	5.22E-08	6.79E-08	8.49E-09	2.42E-08	3.27E-08
1610	438286.14	3763220.39	9.98E-08	3.14E-07	4.14E-07	1.55E-08	5.13E-08	6.68E-08	8.35E-09	2.38E-08	3.22E-08
1611	438283.33	3763229.68	9.81E-08	3.09E-07	4.07E-07	1.52E-08	5.05E-08	6.57E-08	8.21E-09	2.34E-08	3.16E-08
1612	438280.51	3763238.96	9.63E-08	3.03E-07	4.00E-07	1.50E-08	4.95E-08	6.45E-08	8.06E-09	2.30E-08	3.10E-08
1613	438277.7	3763248.25	9.40E-08	2.96E-07	3.90E-07	1.46E-08	4.83E-08	6.29E-08	7.86E-09	2.24E-08	3.03E-08
1614	438274.88	3763257.53	9.20E-08	2.90E-07	3.82E-07	1.43E-08	4.73E-08	6.16E-08	7.70E-09	2.20E-08	2.97E-08
1615	438272.07	3763266.82	8.99E-08	2.83E-07	3.73E-07	1.40E-08	4.63E-08	6.02E-08	7.53E-09	2.15E-08	2.90E-08
1616	438269.25	3763276.1	8.83E-08	2.78E-07	3.66E-07	1.37E-08	4.54E-08	5.91E-08	7.39E-09	2.11E-08	2.85E-08
1617	438266.44	3763285.39	8.61E-08	2.71E-07	3.57E-07	1.34E-08	4.43E-08	5.77E-08	7.20E-09	2.05E-08	2.77E-08
1618	438263.62	3763294.67	8.38E-08	2.64E-07	3.48E-07	1.30E-08	4.31E-08	5.62E-08	7.02E-09	2.00E-08	2.70E-08
1619	438260.81	3763303.96	8.16E-08	2.57E-07	3.39E-07	1.27E-08	4.20E-08	5.47E-08	6.83E-09	1.95E-08	2.63E-08
1620	438257.99	3763313.24	7.93E-08	2.50E-07	3.29E-07	1.23E-08	4.08E-08	5.31E-08	6.64E-09	1.89E-08	2.56E-08
1621	438395.94	3762858.27	8.93E-08	2.81E-07	3.71E-07	1.39E-08	4.59E-08	5.98E-08	7.47E-09	2.13E-08	2.88E-08
1622	438395.95	3762848.46	8.81E-08	2.78E-07	3.66E-07	1.37E-08	4.53E-08	5.90E-08	7.38E-09	2.10E-08	2.84E-08
1623	438395.97	3762838.65	8.70E-08	2.74E-07	3.61E-07	1.35E-08	4.47E-08	5.82E-08	7.28E-09	2.08E-08	2.80E-08
1624	438395.98	3762828.85	8.58E-08	2.70E-07	3.56E-07	1.33E-08	4.42E-08	5.75E-08	7.18E-09	2.05E-08	2.77E-08
1625	438396	3762819.04	8.47E-08	2.67E-07	3.51E-07	1.32E-08	4.36E-08	5.67E-08	7.09E-09	2.02E-08	2.73E-08
1626	438396.01	3762809.23	8.35E-08	2.63E-07	3.46E-07	1.30E-08	4.29E-08	5.59E-08	6.99E-09	1.99E-08	2.69E-08
1627	438396.02	3762799.42	8.21E-08	2.59E-07	3.41E-07	1.28E-08	4.23E-08	5.50E-08	6.88E-09	1.96E-08	2.65E-08
1628	438396.04	3762789.61	8.08E-08	2.55E-07	3.35E-07	1.26E-08	4.16E-08	5.41E-08	6.76E-09	1.93E-08	2.61E-08
1629	438396.05	3762779.8	7.95E-08	2.50E-07	3.30E-07	1.23E-08	4.09E-08	5.32E-08	6.65E-09	1.90E-08	2.56E-08
1630	438396.07	3762769.99	7.82E-08	2.46E-07	3.24E-07	1.21E-08	4.02E-08	5.24E-08	6.54E-09	1.87E-08	2.52E-08
1631	438396.08	3762760.18	7.68E-08	2.42E-07	3.19E-07	1.19E-08	3.95E-08	5.14E-08	6.43E-09	1.83E-08	2.47E-08
1632	438396.1	3762750.37	7.54E-08	2.37E-07	3.13E-07	1.17E-08	3.88E-08	5.05E-08	6.31E-09	1.80E-08	2.43E-08
1633	438396.11	3762740.56	7.39E-08	2.33E-07	3.07E-07	1.15E-08	3.80E-08	4.95E-08	6.19E-09	1.76E-08	2.38E-08
1634	438396.12	3762730.75	7.25E-08	2.28E-07	3.01E-07	1.13E-08	3.73E-08	4.86E-08	6.07E-09	1.73E-08	2.34E-08
1635	438396.14	3762720.94	7.11E-08	2.24E-07	2.95E-07	1.10E-08	3.66E-08	4.76E-08	5.95E-09	1.70E-08	2.29E-08
1636	438424.6	3762895.74	8.72E-08	2.75E-07	3.62E-07	1.35E-08	4.49E-08	5.84E-08	7.30E-09	2.08E-08	2.81E-08
1637	438421.76	3762905.1	8.86E-08	2.79E-07	3.68E-07	1.38E-08	4.56E-08	5.93E-08	7.42E-09	2.11E-08	2.86E-08
1638	438418.92	3762914.45	9.00E-08	2.83E-07	3.73E-07	1.40E-08	4.63E-08	6.03E-08	7.53E-09	2.15E-08	2.90E-08
1639	438416.09	3762923.8	9.13E-08	2.88E-07	3.79E-07	1.42E-08	4.70E-08	6.12E-08	7.64E-09	2.18E-08	2.94E-08
1640	438413.25	3762933.16	9.26E-08	2.92E-07	3.84E-07	1.44E-08	4.76E-08	6.20E-08	7.75E-09	2.21E-08	2.99E-08
1641	438410.42	3762942.51	9.38E-08	2.95E-07	3.89E-07	1.46E-08	4.83E-08	6.28E-08	7.85E-09	2.24E-08	3.02E-08
1642	438407.58	3762951.86	9.50E-08	2.99E-07	3.94E-07	1.48E-08	4.89E-08	6.36E-08	7.95E-09	2.27E-08	3.06E-08
1643	438404.74	3762961.22	9.60E-08	3.02E-07	3.99E-07	1.49E-08	4.94E-08	6.43E-08	8.04E-09	2.29E-08	3.10E-08

1644	438401.91	3762970.57	9.70E-08	3.06E-07	4.03E-07	1.51E-08	4.99E-08	6.50E-08	8.12E-09	2.32E-08	3.13E-08
1645	438399.07	3762979.92	9.80E-08	3.09E-07	4.06E-07	1.52E-08	5.04E-08	6.56E-08	8.20E-09	2.34E-08	3.16E-08
1646	438396.24	3762989.28	9.88E-08	3.11E-07	4.10E-07	1.54E-08	5.08E-08	6.62E-08	8.27E-09	2.36E-08	3.18E-08
1647	438393.4	3762998.63	9.96E-08	3.14E-07	4.13E-07	1.55E-08	5.13E-08	6.67E-08	8.34E-09	2.38E-08	3.21E-08
1648	438390.56	3763007.98	1.00E-07	3.16E-07	4.17E-07	1.56E-08	5.17E-08	6.73E-08	8.40E-09	2.40E-08	3.24E-08
1649	438387.73	3763017.33	1.01E-07	3.19E-07	4.20E-07	1.57E-08	5.20E-08	6.77E-08	8.47E-09	2.41E-08	3.26E-08
1650	438384.89	3763026.69	1.02E-07	3.20E-07	4.22E-07	1.58E-08	5.23E-08	6.81E-08	8.51E-09	2.43E-08	3.28E-08
1651	438353.7	3763129.57	1.03E-07	3.24E-07	4.27E-07	1.60E-08	5.30E-08	6.90E-08	8.62E-09	2.46E-08	3.32E-08
1652	438350.86	3763138.93	1.03E-07	3.23E-07	4.26E-07	1.59E-08	5.28E-08	6.87E-08	8.58E-09	2.45E-08	3.31E-08
1653	438348.03	3763148.28	1.02E-07	3.21E-07	4.23E-07	1.58E-08	5.24E-08	6.83E-08	8.53E-09	2.43E-08	3.28E-08
1654	438345.19	3763157.63	1.01E-07	3.19E-07	4.20E-07	1.57E-08	5.20E-08	6.77E-08	8.47E-09	2.41E-08	3.26E-08
1655	438342.35	3763166.99	1.01E-07	3.17E-07	4.18E-07	1.56E-08	5.18E-08	6.74E-08	8.42E-09	2.40E-08	3.24E-08
1656	438339.52	3763176.34	9.98E-08	3.14E-07	4.14E-07	1.55E-08	5.13E-08	6.68E-08	8.35E-09	2.38E-08	3.22E-08
1657	438336.68	3763185.69	9.88E-08	3.11E-07	4.10E-07	1.54E-08	5.08E-08	6.62E-08	8.27E-09	2.36E-08	3.19E-08
1658	438333.85	3763195.04	9.78E-08	3.08E-07	4.06E-07	1.52E-08	5.03E-08	6.55E-08	8.18E-09	2.33E-08	3.15E-08
1659	438331.01	3763204.4	9.67E-08	3.04E-07	4.01E-07	1.50E-08	4.97E-08	6.47E-08	8.09E-09	2.31E-08	3.12E-08
1660	438328.17	3763213.75	9.55E-08	3.01E-07	3.96E-07	1.48E-08	4.91E-08	6.40E-08	7.99E-09	2.28E-08	3.08E-08
1661	438325.34	3763223.1	9.42E-08	2.97E-07	3.91E-07	1.46E-08	4.85E-08	6.31E-08	7.89E-09	2.25E-08	3.04E-08
1662	438322.5	3763232.46	9.24E-08	2.91E-07	3.84E-07	1.44E-08	4.76E-08	6.19E-08	7.74E-09	2.21E-08	2.98E-08
1663	438319.67	3763241.81	9.10E-08	2.87E-07	3.78E-07	1.41E-08	4.68E-08	6.10E-08	7.62E-09	2.17E-08	2.93E-08
1664	438316.83	3763251.16	8.95E-08	2.82E-07	3.71E-07	1.39E-08	4.60E-08	5.99E-08	7.49E-09	2.14E-08	2.88E-08
1665	438313.99	3763260.52	8.79E-08	2.77E-07	3.65E-07	1.37E-08	4.52E-08	5.89E-08	7.36E-09	2.10E-08	2.83E-08
1666	438311.16	3763269.87	8.62E-08	2.71E-07	3.57E-07	1.34E-08	4.43E-08	5.77E-08	7.21E-09	2.06E-08	2.78E-08
1667	438308.32	3763279.22	8.44E-08	2.66E-07	3.50E-07	1.31E-08	4.34E-08	5.65E-08	7.06E-09	2.01E-08	2.72E-08
1668	438305.49	3763288.58	8.25E-08	2.60E-07	3.42E-07	1.28E-08	4.25E-08	5.53E-08	6.91E-09	1.97E-08	2.66E-08
1669	438302.65	3763297.93	8.06E-08	2.54E-07	3.34E-07	1.25E-08	4.15E-08	5.40E-08	6.75E-09	1.92E-08	2.60E-08
1670	438299.82	3763307.28	7.90E-08	2.49E-07	3.28E-07	1.23E-08	4.07E-08	5.29E-08	6.62E-09	1.89E-08	2.55E-08
1671	438296.98	3763316.64	7.70E-08	2.43E-07	3.20E-07	1.20E-08	3.96E-08	5.16E-08	6.45E-09	1.84E-08	2.48E-08
1672	438294.14	3763325.99	7.50E-08	2.36E-07	3.11E-07	1.17E-08	3.86E-08	5.03E-08	6.28E-09	1.79E-08	2.42E-08
1673	438291.31	3763335.34	7.31E-08	2.30E-07	3.03E-07	1.14E-08	3.76E-08	4.89E-08	6.11E-09	1.74E-08	2.35E-08
1674	438435.94	3762858.33	8.14E-08	2.56E-07	3.38E-07	1.26E-08	4.19E-08	5.45E-08	6.81E-09	1.94E-08	2.62E-08
1675	438435.95	3762848.52	8.04E-08	2.53E-07	3.34E-07	1.25E-08	4.14E-08	5.39E-08	6.73E-09	1.92E-08	2.59E-08
1676	438435.97	3762838.71	7.94E-08	2.50E-07	3.29E-07	1.23E-08	4.09E-08	5.32E-08	6.65E-09	1.89E-08	2.56E-08
1677	438435.98	3762828.9	7.84E-08	2.47E-07	3.25E-07	1.22E-08	4.03E-08	5.25E-08	6.56E-09	1.87E-08	2.53E-08
1678	438436	3762819.09	7.73E-08	2.43E-07	3.21E-07	1.20E-08	3.98E-08	5.18E-08	6.47E-09	1.84E-08	2.49E-08
1679	438436.01	3762809.29	7.62E-08	2.40E-07	3.16E-07	1.18E-08	3.92E-08	5.11E-08	6.38E-09	1.82E-08	2.46E-08
1680	438436.02	3762799.48	7.52E-08	2.37E-07	3.12E-07	1.17E-08	3.87E-08	5.04E-08	6.29E-09	1.79E-08	2.42E-08
1681	438436.04	3762789.67	7.41E-08	2.33E-07	3.07E-07	1.15E-08	3.81E-08	4.96E-08	6.20E-09	1.77E-08	2.39E-08
1682	438436.05	3762779.86	7.29E-08	2.30E-07	3.03E-07	1.13E-08	3.75E-08	4.88E-08	6.10E-09	1.74E-08	2.35E-08
1683	438436.07	3762770.05	7.17E-08	2.26E-07	2.97E-07	1.11E-08	3.69E-08	4.80E-08	6.00E-09	1.71E-08	2.31E-08
1684	438436.08	3762760.24	7.05E-08	2.22E-07	2.92E-07	1.10E-08	3.63E-08	4.72E-08	5.90E-09	1.68E-08	2.27E-08
1685	438436.1	3762750.43	6.92E-08	2.18E-07	2.87E-07	1.08E-08	3.56E-08	4.64E-08	5.80E-09	1.65E-08	2.23E-08
1686	438436.11	3762740.62	6.80E-08	2.14E-07	2.82E-07	1.06E-08	3.50E-08	4.55E-08	5.69E-09	1.62E-08	2.19E-08
1687	438436.12	3762730.81	6.67E-08	2.10E-07	2.77E-07	1.04E-08	3.43E-08	4.47E-08	5.58E-09	1.59E-08	2.15E-08
1688	438436.14	3762721	6.55E-08	2.06E-07	2.72E-07	1.02E-08	3.37E-08	4.38E-08	5.48E-09	1.56E-08	2.11E-08
1689	438464.73	3762895.37	7.93E-08	2.50E-07	3.29E-07	1.23E-08	4.08E-08	5.31E-08	6.64E-09	1.89E-08	2.56E-08
1690	438461.92	3762904.61	8.05E-08	2.54E-07	3.34E-07	1.25E-08	4.14E-08	5.40E-08	6.74E-09	1.92E-08	2.60E-08
1691	438459.12	3762913.86	8.18E-08	2.58E-07	3.39E-07	1.27E-08	4.21E-08	5.48E-08	6.85E-09	1.95E-08	2.64E-08
1692	438456.32	3762923.1	8.30E-08	2.61E-07	3.44E-07	1.29E-08	4.27E-08	5.56E-08	6.95E-09	1.98E-08	2.68E-08
1693	438453.51	3762932.35	8.41E-08	2.65E-07	3.49E-07	1.31E-08	4.33E-08	5.64E-08	7.04E-09	2.01E-08	2.71E-08
1694	438450.71	3762941.59	8.52E-08	2.68E-07	3.54E-07	1.32E-08	4.39E-08	5.71E-08	7.13E-09	2.03E-08	2.75E-08
1695	438447.91	3762950.84	8.63E-08	2.72E-07	3.58E-07	1.34E-08	4.44E-08	5.78E-08	7.23E-09	2.06E-08	2.78E-08
1696	438445.1	3762960.08	8.74E-08	2.75E-07	3.63E-07	1.36E-08	4.50E-08	5.85E-08	7.31E-09	2.09E-08	2.82E-08
1697	438442.3	3762969.33	8.83E-08	2.78E-07	3.66E-07	1.37E-08	4.54E-08	5.92E-08	7.39E-09	2.11E-08	2.85E-08
1698	438439.5	3762978.57	8.92E-08	2.81E-07	3.70E-07	1.39E-08	4.59E-08	5.98E-08	7.47E-09	2.13E-08	2.88E-08
1699	438436.7	3762987.82	9.01E-08	2.84E-07	3.74E-07	1.40E-08	4.63E-08	6.03E-08	7.54E-09	2.15E-08	2.90E-08
1700	438433.89	3762997.06	9.10E-08	2.86E-07	3.77E-07	1.41E-08	4.68E-08	6.09E-08	7.61E-09	2.17E-08	2.93E-08
1701	438431.09	3763006.31	9.18E-08	2.89E-07	3.81E-07	1.43E-08	4.72E-08	6.15E-08	7.68E-09	2.19E-08	2.96E-08
1702	438428.29	3763015.55	9.25E-08	2.91E-07	3.84E-07	1.44E-08	4.76E-08	6.19E-08	7.74E-09	2.21E-08	2.98E-08
1703	438425.48	3763024.8	9.31E-08	2.93E-07	3.86E-07	1.45E-08	4.79E-08	6.23E-08	7.79E-09	2.22E-08	3.00E-08
1704	438422.68	3763034.04	9.36E-08	2.95E-07	3.88E-07	1.45E-08	4.81E-08	6.27E-08	7.83E-09	2.23E-08	3.02E-08

1705	438419.88	3763043.29	9.40E-08	2.96E-07	3.90E-07	1.46E-08	4.84E-08	6.30E-08	7.87E-09	2.24E-08	3.03E-08
1706	438417.07	3763052.53	9.44E-08	2.97E-07	3.92E-07	1.47E-08	4.86E-08	6.32E-08	7.90E-09	2.25E-08	3.04E-08
1707	438414.27	3763061.78	9.48E-08	2.99E-07	3.93E-07	1.47E-08	4.88E-08	6.35E-08	7.93E-09	2.26E-08	3.06E-08
1708	438411.47	3763071.02	9.51E-08	3.00E-07	3.95E-07	1.48E-08	4.89E-08	6.37E-08	7.96E-09	2.27E-08	3.07E-08
1709	438408.66	3763080.27	9.54E-08	3.00E-07	3.96E-07	1.48E-08	4.91E-08	6.39E-08	7.98E-09	2.28E-08	3.07E-08
1710	438405.86	3763089.51	9.56E-08	3.01E-07	3.96E-07	1.48E-08	4.92E-08	6.40E-08	8.00E-09	2.28E-08	3.08E-08
1711	438403.06	3763098.76	9.57E-08	3.01E-07	3.97E-07	1.49E-08	4.92E-08	6.41E-08	8.01E-09	2.28E-08	3.08E-08
1712	438400.26	3763108	9.57E-08	3.01E-07	3.97E-07	1.49E-08	4.92E-08	6.41E-08	8.01E-09	2.28E-08	3.08E-08
1713	438397.45	3763117.25	9.57E-08	3.01E-07	3.97E-07	1.49E-08	4.92E-08	6.41E-08	8.01E-09	2.28E-08	3.08E-08
1714	438394.65	3763126.49	9.56E-08	3.01E-07	3.97E-07	1.49E-08	4.92E-08	6.41E-08	8.01E-09	2.28E-08	3.08E-08
1715	438391.85	3763135.74	9.55E-08	3.01E-07	3.96E-07	1.48E-08	4.91E-08	6.40E-08	7.99E-09	2.28E-08	3.08E-08
1716	438389.04	3763144.98	9.52E-08	3.00E-07	3.95E-07	1.48E-08	4.90E-08	6.38E-08	7.97E-09	2.27E-08	3.07E-08
1717	438386.24	3763154.23	9.48E-08	2.99E-07	3.93E-07	1.47E-08	4.88E-08	6.35E-08	7.93E-09	2.26E-08	3.06E-08
1718	438352.6	3763265.17	8.35E-08	2.63E-07	3.46E-07	1.30E-08	4.29E-08	5.59E-08	6.99E-09	1.99E-08	2.69E-08
1719	438349.8	3763274.41	8.21E-08	2.58E-07	3.41E-07	1.28E-08	4.22E-08	5.50E-08	6.87E-09	1.96E-08	2.65E-08
1720	438347	3763283.66	8.06E-08	2.54E-07	3.34E-07	1.25E-08	4.15E-08	5.40E-08	6.75E-09	1.92E-08	2.60E-08
1721	438344.19	3763292.9	7.91E-08	2.49E-07	3.28E-07	1.23E-08	4.07E-08	5.30E-08	6.62E-09	1.89E-08	2.55E-08
1722	438341.39	3763302.15	7.74E-08	2.44E-07	3.21E-07	1.20E-08	3.98E-08	5.19E-08	6.48E-09	1.85E-08	2.50E-08
1723	438338.59	3763311.39	7.57E-08	2.38E-07	3.14E-07	1.18E-08	3.90E-08	5.07E-08	6.34E-09	1.81E-08	2.44E-08
1724	438335.78	3763320.64	7.40E-08	2.33E-07	3.07E-07	1.15E-08	3.81E-08	4.96E-08	6.20E-09	1.77E-08	2.39E-08
1725	438332.98	3763329.88	7.27E-08	2.29E-07	3.02E-07	1.13E-08	3.74E-08	4.87E-08	6.08E-09	1.73E-08	2.34E-08
1726	438330.18	3763339.13	7.10E-08	2.23E-07	2.94E-07	1.10E-08	3.65E-08	4.75E-08	5.94E-09	1.69E-08	2.29E-08
1727	438327.37	3763348.37	6.92E-08	2.18E-07	2.87E-07	1.08E-08	3.56E-08	4.63E-08	5.79E-09	1.65E-08	2.23E-08
1728	438324.57	3763357.62	6.74E-08	2.12E-07	2.80E-07	1.05E-08	3.47E-08	4.52E-08	5.64E-09	1.61E-08	2.17E-08
1729	438475.94	3762858.39	7.46E-08	2.35E-07	3.09E-07	1.16E-08	3.84E-08	5.00E-08	6.24E-09	1.78E-08	2.40E-08
1730	438475.95	3762848.58	7.38E-08	2.33E-07	3.06E-07	1.15E-08	3.80E-08	4.95E-08	6.18E-09	1.76E-08	2.38E-08
1731	438475.97	3762838.77	7.31E-08	2.30E-07	3.03E-07	1.14E-08	3.76E-08	4.90E-08	6.12E-09	1.74E-08	2.36E-08
1732	438475.98	3762828.96	7.22E-08	2.27E-07	3.00E-07	1.12E-08	3.72E-08	4.84E-08	6.05E-09	1.72E-08	2.33E-08
1733	438476	3762819.15	7.13E-08	2.24E-07	2.96E-07	1.11E-08	3.67E-08	4.77E-08	5.96E-09	1.70E-08	2.30E-08
1734	438476.01	3762809.34	7.03E-08	2.21E-07	2.92E-07	1.09E-08	3.61E-08	4.71E-08	5.88E-09	1.68E-08	2.26E-08
1735	438476.02	3762799.53	6.92E-08	2.18E-07	2.87E-07	1.08E-08	3.56E-08	4.64E-08	5.80E-09	1.65E-08	2.23E-08
1736	438476.04	3762789.72	6.82E-08	2.15E-07	2.83E-07	1.06E-08	3.51E-08	4.57E-08	5.71E-09	1.63E-08	2.20E-08
1737	438476.05	3762779.92	6.71E-08	2.11E-07	2.79E-07	1.04E-08	3.45E-08	4.50E-08	5.62E-09	1.60E-08	2.16E-08
1738	438476.07	3762770.11	6.60E-08	2.08E-07	2.74E-07	1.03E-08	3.40E-08	4.42E-08	5.53E-09	1.58E-08	2.13E-08
1739	438476.08	3762760.3	6.49E-08	2.05E-07	2.69E-07	1.01E-08	3.34E-08	4.35E-08	5.44E-09	1.55E-08	2.09E-08
1740	438476.1	3762750.49	6.38E-08	2.01E-07	2.65E-07	9.92E-09	3.28E-08	4.28E-08	5.34E-09	1.52E-08	2.06E-08
1741	438476.11	3762740.68	6.27E-08	1.98E-07	2.60E-07	9.75E-09	3.23E-08	4.20E-08	5.25E-09	1.50E-08	2.02E-08
1742	438476.12	3762730.87	6.16E-08	1.94E-07	2.56E-07	9.57E-09	3.17E-08	4.13E-08	5.16E-09	1.47E-08	1.99E-08
1743	438476.14	3762721.06	6.05E-08	1.91E-07	2.51E-07	9.40E-09	3.11E-08	4.05E-08	5.06E-09	1.44E-08	1.95E-08
1744	438504.65	3762895.68	7.27E-08	2.29E-07	3.02E-07	1.13E-08	3.74E-08	4.87E-08	6.09E-09	1.74E-08	2.34E-08
1745	438501.83	3762904.99	7.38E-08	2.32E-07	3.06E-07	1.15E-08	3.80E-08	4.94E-08	6.18E-09	1.76E-08	2.38E-08
1746	438499	3762914.3	7.49E-08	2.36E-07	3.11E-07	1.16E-08	3.85E-08	5.02E-08	6.27E-09	1.79E-08	2.42E-08
1747	438496.18	3762923.61	7.60E-08	2.39E-07	3.15E-07	1.18E-08	3.91E-08	5.09E-08	6.36E-09	1.81E-08	2.45E-08
1748	438493.36	3762932.92	7.71E-08	2.43E-07	3.20E-07	1.20E-08	3.97E-08	5.17E-08	6.45E-09	1.84E-08	2.49E-08
1749	438490.54	3762942.22	7.81E-08	2.46E-07	3.24E-07	1.21E-08	4.02E-08	5.23E-08	6.54E-09	1.86E-08	2.52E-08
1750	438487.72	3762951.53	7.91E-08	2.49E-07	3.28E-07	1.23E-08	4.07E-08	5.30E-08	6.62E-09	1.89E-08	2.55E-08
1751	438484.89	3762960.84	8.01E-08	2.52E-07	3.32E-07	1.24E-08	4.12E-08	5.37E-08	6.70E-09	1.91E-08	2.58E-08
1752	438482.07	3762970.15	8.09E-08	2.55E-07	3.36E-07	1.26E-08	4.16E-08	5.42E-08	6.77E-09	1.93E-08	2.61E-08
1753	438479.25	3762979.46	8.17E-08	2.57E-07	3.39E-07	1.27E-08	4.21E-08	5.48E-08	6.84E-09	1.95E-08	2.63E-08
1754	438476.43	3762988.77	8.25E-08	2.60E-07	3.42E-07	1.28E-08	4.24E-08	5.53E-08	6.90E-09	1.97E-08	2.66E-08
1755	438473.6	3762998.07	8.32E-08	2.62E-07	3.45E-07	1.29E-08	4.28E-08	5.57E-08	6.97E-09	1.99E-08	2.68E-08
1756	438470.78	3763007.38	8.39E-08	2.64E-07	3.48E-07	1.30E-08	4.32E-08	5.62E-08	7.03E-09	2.00E-08	2.71E-08
1757	438467.96	3763016.69	8.46E-08	2.67E-07	3.51E-07	1.31E-08	4.35E-08	5.67E-08	7.08E-09	2.02E-08	2.73E-08
1758	438465.14	3763026	8.53E-08	2.69E-07	3.54E-07	1.33E-08	4.39E-08	5.71E-08	7.14E-09	2.04E-08	2.75E-08
1759	438462.31	3763035.31	8.59E-08	2.71E-07	3.57E-07	1.34E-08	4.42E-08	5.76E-08	7.19E-09	2.05E-08	2.77E-08
1760	438459.49	3763044.62	8.65E-08	2.72E-07	3.59E-07	1.34E-08	4.45E-08	5.79E-08	7.24E-09	2.06E-08	2.79E-08
1761	438456.67	3763053.92	8.69E-08	2.74E-07	3.61E-07	1.35E-08	4.47E-08	5.82E-08	7.27E-09	2.07E-08	2.80E-08
1762	438453.85	3763063.23	8.73E-08	2.75E-07	3.62E-07	1.36E-08	4.49E-08	5.85E-08	7.31E-09	2.08E-08	2.82E-08
1763	438451.03	3763072.54	8.77E-08	2.76E-07	3.64E-07	1.36E-08	4.51E-08	5.87E-08	7.34E-09	2.09E-08	2.83E-08
1764	438448.2	3763081.85	8.80E-08	2.77E-07	3.65E-07	1.37E-08	4.53E-08	5.89E-08	7.37E-09	2.10E-08	2.84E-08
1765	438445.38	3763091.16	8.82E-08	2.78E-07	3.66E-07	1.37E-08	4.54E-08	5.91E-08	7.39E-09	2.11E-08	2.84E-08

1766	438442.56	3763100.47	8.84E-08	2.78E-07	3.67E-07	1.37E-08	4.55E-08	5.92E-08	7.40E-09	2.11E-08	2.85E-08
1767	438439.74	3763109.77	8.85E-08	2.79E-07	3.67E-07	1.38E-08	4.55E-08	5.93E-08	7.41E-09	2.11E-08	2.85E-08
1768	438436.91	3763119.08	8.86E-08	2.79E-07	3.68E-07	1.38E-08	4.56E-08	5.93E-08	7.41E-09	2.11E-08	2.86E-08
1769	438434.09	3763128.39	8.86E-08	2.79E-07	3.68E-07	1.38E-08	4.56E-08	5.93E-08	7.42E-09	2.11E-08	2.86E-08
1770	438431.27	3763137.7	8.86E-08	2.79E-07	3.67E-07	1.38E-08	4.56E-08	5.93E-08	7.41E-09	2.11E-08	2.85E-08
1771	438428.45	3763147.01	8.85E-08	2.79E-07	3.67E-07	1.37E-08	4.55E-08	5.93E-08	7.40E-09	2.11E-08	2.85E-08
1772	438425.62	3763156.32	8.83E-08	2.78E-07	3.66E-07	1.37E-08	4.54E-08	5.92E-08	7.39E-09	2.11E-08	2.85E-08
1773	438422.8	3763165.62	8.81E-08	2.77E-07	3.65E-07	1.37E-08	4.53E-08	5.90E-08	7.37E-09	2.10E-08	2.84E-08
1774	438419.98	3763174.93	8.77E-08	2.76E-07	3.64E-07	1.36E-08	4.51E-08	5.87E-08	7.34E-09	2.09E-08	2.83E-08
1775	438417.16	3763184.24	8.71E-08	2.74E-07	3.61E-07	1.35E-08	4.48E-08	5.84E-08	7.29E-09	2.08E-08	2.81E-08
1776	438414.33	3763193.55	8.65E-08	2.72E-07	3.59E-07	1.34E-08	4.45E-08	5.79E-08	7.24E-09	2.06E-08	2.79E-08
1777	438411.51	3763202.86	8.58E-08	2.70E-07	3.56E-07	1.33E-08	4.41E-08	5.75E-08	7.18E-09	2.05E-08	2.77E-08
1778	438408.69	3763212.17	8.50E-08	2.68E-07	3.53E-07	1.32E-08	4.37E-08	5.70E-08	7.12E-09	2.03E-08	2.74E-08
1779	438405.87	3763221.48	8.42E-08	2.65E-07	3.49E-07	1.31E-08	4.33E-08	5.64E-08	7.05E-09	2.01E-08	2.71E-08
1780	438403.05	3763230.78	8.34E-08	2.63E-07	3.46E-07	1.30E-08	4.29E-08	5.58E-08	6.98E-09	1.99E-08	2.69E-08
1781	438400.22	3763240.09	8.25E-08	2.60E-07	3.42E-07	1.28E-08	4.25E-08	5.53E-08	6.91E-09	1.97E-08	2.66E-08
1782	438397.4	3763249.4	8.16E-08	2.57E-07	3.39E-07	1.27E-08	4.20E-08	5.47E-08	6.83E-09	1.95E-08	2.63E-08
1783	438394.58	3763258.71	8.06E-08	2.54E-07	3.34E-07	1.25E-08	4.15E-08	5.40E-08	6.75E-09	1.92E-08	2.60E-08
1784	438391.76	3763268.02	7.95E-08	2.50E-07	3.30E-07	1.24E-08	4.09E-08	5.33E-08	6.65E-09	1.90E-08	2.56E-08
1785	438388.93	3763277.33	7.83E-08	2.47E-07	3.25E-07	1.22E-08	4.03E-08	5.25E-08	6.56E-09	1.87E-08	2.52E-08
1786	438515.94	3762858.45	6.86E-08	2.16E-07	2.85E-07	1.07E-08	3.53E-08	4.59E-08	5.74E-09	1.64E-08	2.21E-08
1787	438515.95	3762848.64	6.79E-08	2.14E-07	2.82E-07	1.06E-08	3.49E-08	4.55E-08	5.69E-09	1.62E-08	2.19E-08
1788	438515.97	3762838.83	6.73E-08	2.12E-07	2.79E-07	1.04E-08	3.46E-08	4.50E-08	5.63E-09	1.60E-08	2.17E-08
1789	438515.98	3762829.02	6.65E-08	2.09E-07	2.76E-07	1.03E-08	3.42E-08	4.45E-08	5.57E-09	1.59E-08	2.14E-08
1790	438516	3762819.21	6.56E-08	2.07E-07	2.72E-07	1.02E-08	3.38E-08	4.40E-08	5.49E-09	1.57E-08	2.12E-08
1791	438516.01	3762809.4	6.47E-08	2.04E-07	2.69E-07	1.01E-08	3.33E-08	4.34E-08	5.42E-09	1.55E-08	2.09E-08
1792	438516.02	3762799.59	6.39E-08	2.01E-07	2.65E-07	9.92E-09	3.28E-08	4.28E-08	5.34E-09	1.52E-08	2.06E-08
1793	438516.04	3762789.78	6.29E-08	1.98E-07	2.61E-07	9.78E-09	3.24E-08	4.22E-08	5.27E-09	1.50E-08	2.03E-08
1794	438516.05	3762779.97	6.20E-08	1.95E-07	2.57E-07	9.63E-09	3.19E-08	4.15E-08	5.19E-09	1.48E-08	2.00E-08
1795	438516.07	3762770.16	6.10E-08	1.92E-07	2.53E-07	9.48E-09	3.14E-08	4.09E-08	5.11E-09	1.46E-08	1.97E-08
1796	438516.08	3762760.36	6.01E-08	1.89E-07	2.49E-07	9.33E-09	3.09E-08	4.02E-08	5.03E-09	1.43E-08	1.94E-08
1797	438516.1	3762750.55	5.91E-08	1.86E-07	2.45E-07	9.18E-09	3.04E-08	3.96E-08	4.95E-09	1.41E-08	1.90E-08
1798	438516.11	3762740.74	5.81E-08	1.83E-07	2.41E-07	9.03E-09	2.99E-08	3.89E-08	4.86E-09	1.39E-08	1.87E-08
1799	438516.12	3762730.93	5.71E-08	1.80E-07	2.37E-07	8.87E-09	2.94E-08	3.82E-08	4.78E-09	1.36E-08	1.84E-08
1800	438516.14	3762721.12	5.61E-08	1.77E-07	2.33E-07	8.72E-09	2.89E-08	3.76E-08	4.70E-09	1.34E-08	1.81E-08
1801	438544.58	3762895.98	6.69E-08	2.11E-07	2.77E-07	1.04E-08	3.44E-08	4.48E-08	5.60E-09	1.60E-08	2.16E-08
1802	438541.74	3762905.34	6.78E-08	2.14E-07	2.81E-07	1.05E-08	3.49E-08	4.54E-08	5.67E-09	1.62E-08	2.19E-08
1803	438538.9	3762914.71	6.88E-08	2.17E-07	2.85E-07	1.07E-08	3.54E-08	4.61E-08	5.76E-09	1.64E-08	2.22E-08
1804	438536.06	3762924.08	6.97E-08	2.20E-07	2.89E-07	1.08E-08	3.59E-08	4.67E-08	5.84E-09	1.66E-08	2.25E-08
1805	438533.22	3762933.45	7.07E-08	2.23E-07	2.93E-07	1.10E-08	3.64E-08	4.74E-08	5.92E-09	1.69E-08	2.28E-08
1806	438530.38	3762942.81	7.17E-08	2.26E-07	2.98E-07	1.11E-08	3.69E-08	4.80E-08	6.00E-09	1.71E-08	2.31E-08
1807	438527.54	3762952.18	7.27E-08	2.29E-07	3.01E-07	1.13E-08	3.74E-08	4.87E-08	6.08E-09	1.73E-08	2.34E-08
1808	438524.7	3762961.55	7.36E-08	2.32E-07	3.05E-07	1.14E-08	3.78E-08	4.93E-08	6.16E-09	1.76E-08	2.37E-08
1809	438521.86	3762970.92	7.43E-08	2.34E-07	3.08E-07	1.16E-08	3.82E-08	4.98E-08	6.22E-09	1.77E-08	2.40E-08
1810	438519.02	3762980.28	7.51E-08	2.36E-07	3.12E-07	1.17E-08	3.86E-08	5.03E-08	6.28E-09	1.79E-08	2.42E-08
1811	438516.18	3762989.65	7.58E-08	2.39E-07	3.14E-07	1.18E-08	3.90E-08	5.08E-08	6.34E-09	1.81E-08	2.44E-08
1812	438513.33	3762999.02	7.65E-08	2.41E-07	3.17E-07	1.19E-08	3.94E-08	5.12E-08	6.40E-09	1.83E-08	2.47E-08
1813	438510.49	3763008.39	7.72E-08	2.43E-07	3.20E-07	1.20E-08	3.97E-08	5.17E-08	6.46E-09	1.84E-08	2.49E-08
1814	438507.65	3763017.75	7.78E-08	2.45E-07	3.23E-07	1.21E-08	4.00E-08	5.21E-08	6.51E-09	1.86E-08	2.51E-08
1815	438504.81	3763027.12	7.85E-08	2.47E-07	3.26E-07	1.22E-08	4.04E-08	5.26E-08	6.57E-09	1.87E-08	2.53E-08
1816	438501.97	3763036.49	7.91E-08	2.49E-07	3.28E-07	1.23E-08	4.07E-08	5.30E-08	6.62E-09	1.89E-08	2.55E-08
1817	438499.13	3763045.86	7.97E-08	2.51E-07	3.31E-07	1.24E-08	4.10E-08	5.34E-08	6.67E-09	1.90E-08	2.57E-08
1818	438496.29	3763055.22	8.02E-08	2.53E-07	3.33E-07	1.25E-08	4.13E-08	5.37E-08	6.72E-09	1.91E-08	2.59E-08
1819	438493.45	3763064.59	8.07E-08	2.54E-07	3.35E-07	1.25E-08	4.15E-08	5.40E-08	6.75E-09	1.92E-08	2.60E-08
1820	438490.61	3763073.96	8.10E-08	2.55E-07	3.36E-07	1.26E-08	4.17E-08	5.43E-08	6.78E-09	1.93E-08	2.61E-08
1821	438487.77	3763083.33	8.14E-08	2.56E-07	3.38E-07	1.26E-08	4.19E-08	5.45E-08	6.81E-09	1.94E-08	2.62E-08
1822	438484.93	3763092.7	8.16E-08	2.57E-07	3.39E-07	1.27E-08	4.20E-08	5.47E-08	6.83E-09	1.95E-08	2.63E-08
1823	438482.09	3763102.06	8.19E-08	2.58E-07	3.40E-07	1.27E-08	4.21E-08	5.48E-08	6.85E-09	1.95E-08	2.64E-08
1824	438479.25	3763111.43	8.20E-08	2.58E-07	3.40E-07	1.27E-08	4.22E-08	5.49E-08	6.86E-09	1.96E-08	2.64E-08
1825	438476.41	3763120.8	8.21E-08	2.58E-07	3.40E-07	1.28E-08	4.22E-08	5.50E-08	6.87E-09	1.96E-08	2.65E-08
1826	438473.57	3763130.17	8.21E-08	2.58E-07	3.40E-07	1.28E-08	4.22E-08	5.50E-08	6.87E-09	1.96E-08	2.65E-08

1827	438470.73	3763139.53	8.20E-08	2.58E-07	3.40E-07	1.27E-08	4.22E-08	5.49E-08	6.86E-09	1.96E-08	2.64E-08
1828	438467.89	3763148.9	8.20E-08	2.58E-07	3.40E-07	1.27E-08	4.22E-08	5.49E-08	6.86E-09	1.96E-08	2.64E-08
1829	438465.05	3763158.27	8.19E-08	2.58E-07	3.40E-07	1.27E-08	4.21E-08	5.49E-08	6.86E-09	1.95E-08	2.64E-08
1830	438462.21	3763167.64	8.18E-08	2.58E-07	3.39E-07	1.27E-08	4.21E-08	5.48E-08	6.85E-09	1.95E-08	2.64E-08
1831	438459.37	3763177	8.15E-08	2.57E-07	3.38E-07	1.27E-08	4.19E-08	5.46E-08	6.82E-09	1.95E-08	2.63E-08
1832	438456.53	3763186.37	8.12E-08	2.56E-07	3.37E-07	1.26E-08	4.18E-08	5.44E-08	6.80E-09	1.94E-08	2.62E-08
1833	438453.69	3763195.74	8.08E-08	2.54E-07	3.35E-07	1.25E-08	4.16E-08	5.41E-08	6.76E-09	1.93E-08	2.60E-08
1834	438450.85	3763205.11	8.03E-08	2.53E-07	3.33E-07	1.25E-08	4.13E-08	5.38E-08	6.72E-09	1.92E-08	2.59E-08
1835	438448.01	3763214.47	7.98E-08	2.51E-07	3.31E-07	1.24E-08	4.11E-08	5.34E-08	6.68E-09	1.90E-08	2.57E-08
1836	438445.17	3763223.84	7.92E-08	2.49E-07	3.29E-07	1.23E-08	4.07E-08	5.31E-08	6.63E-09	1.89E-08	2.55E-08
1837	438442.33	3763233.21	7.85E-08	2.47E-07	3.26E-07	1.22E-08	4.04E-08	5.26E-08	6.57E-09	1.87E-08	2.53E-08
1838	438439.49	3763242.58	7.78E-08	2.45E-07	3.23E-07	1.21E-08	4.01E-08	5.21E-08	6.52E-09	1.86E-08	2.51E-08
1839	438436.65	3763251.94	7.71E-08	2.43E-07	3.20E-07	1.20E-08	3.97E-08	5.16E-08	6.45E-09	1.84E-08	2.49E-08
1840	438433.81	3763261.31	7.63E-08	2.40E-07	3.17E-07	1.19E-08	3.92E-08	5.11E-08	6.39E-09	1.82E-08	2.46E-08
1841	438430.97	3763270.68	7.54E-08	2.37E-07	3.13E-07	1.17E-08	3.88E-08	5.05E-08	6.31E-09	1.80E-08	2.43E-08
1842	438428.13	3763280.05	7.44E-08	2.34E-07	3.09E-07	1.16E-08	3.83E-08	4.98E-08	6.23E-09	1.77E-08	2.40E-08
1843	438425.29	3763289.41	7.33E-08	2.31E-07	3.04E-07	1.14E-08	3.77E-08	4.91E-08	6.14E-09	1.75E-08	2.36E-08
1844	438422.45	3763298.78	7.22E-08	2.27E-07	2.99E-07	1.12E-08	3.71E-08	4.83E-08	6.04E-09	1.72E-08	2.33E-08
1845	438419.61	3763308.15	7.09E-08	2.23E-07	2.94E-07	1.10E-08	3.65E-08	4.75E-08	5.94E-09	1.69E-08	2.29E-08
1846	438416.77	3763317.52	7.00E-08	2.21E-07	2.91E-07	1.09E-08	3.60E-08	4.69E-08	5.86E-09	1.67E-08	2.26E-08
1847	438413.92	3763326.88	6.88E-08	2.17E-07	2.85E-07	1.07E-08	3.54E-08	4.61E-08	5.76E-09	1.64E-08	2.22E-08
1848	438411.08	3763336.25	6.75E-08	2.12E-07	2.80E-07	1.05E-08	3.47E-08	4.52E-08	5.65E-09	1.61E-08	2.17E-08
1849	438408.24	3763345.62	6.61E-08	2.08E-07	2.74E-07	1.03E-08	3.40E-08	4.43E-08	5.54E-09	1.58E-08	2.13E-08
1850	438405.4	3763354.99	6.48E-08	2.04E-07	2.69E-07	1.01E-08	3.33E-08	4.34E-08	5.42E-09	1.55E-08	2.09E-08
1851	438402.56	3763364.35	6.34E-08	2.00E-07	2.63E-07	9.85E-09	3.26E-08	4.25E-08	5.31E-09	1.51E-08	2.04E-08
1852	438399.72	3763373.72	6.20E-08	1.95E-07	2.57E-07	9.63E-09	3.19E-08	4.15E-08	5.19E-09	1.48E-08	2.00E-08
1853	438396.88	3763383.09	6.05E-08	1.91E-07	2.51E-07	9.41E-09	3.11E-08	4.06E-08	5.07E-09	1.44E-08	1.95E-08
1854	438394.04	3763392.46	5.91E-08	1.86E-07	2.45E-07	9.19E-09	3.04E-08	3.96E-08	4.95E-09	1.41E-08	1.91E-08
1855	438391.2	3763401.82	5.77E-08	1.82E-07	2.39E-07	8.97E-09	2.97E-08	3.87E-08	4.83E-09	1.38E-08	1.86E-08
1856	438555.94	3762858.51	6.32E-08	1.99E-07	2.62E-07	9.83E-09	3.25E-08	4.24E-08	5.29E-09	1.51E-08	2.04E-08
1857	438555.95	3762848.7	6.26E-08	1.97E-07	2.60E-07	9.72E-09	3.22E-08	4.19E-08	5.24E-09	1.49E-08	2.02E-08
1858	438555.97	3762838.89	6.19E-08	1.95E-07	2.57E-07	9.62E-09	3.18E-08	4.15E-08	5.18E-09	1.48E-08	2.00E-08
1859	438555.98	3762829.08	6.12E-08	1.93E-07	2.54E-07	9.52E-09	3.15E-08	4.10E-08	5.13E-09	1.46E-08	1.97E-08
1860	438556	3762819.27	6.06E-08	1.91E-07	2.51E-07	9.41E-09	3.12E-08	4.06E-08	5.07E-09	1.45E-08	1.95E-08
1861	438556.01	3762809.46	5.98E-08	1.88E-07	2.48E-07	9.30E-09	3.08E-08	4.01E-08	5.01E-09	1.43E-08	1.93E-08
1862	438556.02	3762799.65	5.90E-08	1.86E-07	2.45E-07	9.17E-09	3.04E-08	3.95E-08	4.94E-09	1.41E-08	1.90E-08
1863	438556.04	3762789.84	5.82E-08	1.83E-07	2.42E-07	9.05E-09	3.00E-08	3.90E-08	4.87E-09	1.39E-08	1.88E-08
1864	438556.05	3762780.03	5.74E-08	1.81E-07	2.38E-07	8.92E-09	2.95E-08	3.85E-08	4.81E-09	1.37E-08	1.85E-08
1865	438556.07	3762770.22	5.66E-08	1.78E-07	2.35E-07	8.79E-09	2.91E-08	3.79E-08	4.73E-09	1.35E-08	1.82E-08
1866	438556.08	3762760.41	5.57E-08	1.75E-07	2.31E-07	8.66E-09	2.87E-08	3.73E-08	4.66E-09	1.33E-08	1.80E-08
1867	438556.1	3762750.6	5.48E-08	1.73E-07	2.28E-07	8.52E-09	2.82E-08	3.67E-08	4.59E-09	1.31E-08	1.77E-08
1868	438556.11	3762740.79	5.40E-08	1.70E-07	2.24E-07	8.39E-09	2.78E-08	3.62E-08	4.52E-09	1.29E-08	1.74E-08
1869	438556.12	3762730.99	5.31E-08	1.67E-07	2.20E-07	8.25E-09	2.73E-08	3.56E-08	4.44E-09	1.27E-08	1.71E-08
1870	438556.14	3762721.18	5.22E-08	1.64E-07	2.17E-07	8.11E-09	2.69E-08	3.50E-08	4.37E-09	1.25E-08	1.68E-08
1871	437546.75	3762709.72	3.78E-06	1.19E-05	1.57E-05	5.88E-07	1.95E-06	2.53E-06	3.17E-07	9.03E-07	1.22E-06
1872	437537.36	3762709.72	4.02E-06	1.27E-05	1.67E-05	6.25E-07	2.07E-06	2.70E-06	3.37E-07	9.60E-07	1.30E-06
1873	437527.97	3762709.72	4.21E-06	1.33E-05	1.75E-05	6.54E-07	2.17E-06	2.82E-06	3.53E-07	1.01E-06	1.36E-06
1874	437518.58	3762709.72	4.35E-06	1.37E-05	1.80E-05	6.75E-07	2.24E-06	2.91E-06	3.64E-07	1.04E-06	1.40E-06
1875	437509.18	3762709.72	4.41E-06	1.39E-05	1.83E-05	6.85E-07	2.27E-06	2.95E-06	3.69E-07	1.05E-06	1.42E-06
1876	437499.79	3762709.73	4.43E-06	1.40E-05	1.84E-05	6.88E-07	2.28E-06	2.97E-06	3.71E-07	1.06E-06	1.43E-06
1877	437490.4	3762709.73	4.42E-06	1.39E-05	1.83E-05	6.87E-07	2.27E-06	2.96E-06	3.70E-07	1.06E-06	1.43E-06
1878	437481.01	3762709.73	4.36E-06	1.37E-05	1.81E-05	6.77E-07	2.24E-06	2.92E-06	3.65E-07	1.04E-06	1.40E-06
1879	437471.62	3762709.73	4.26E-06	1.34E-05	1.77E-05	6.63E-07	2.19E-06	2.86E-06	3.57E-07	1.02E-06	1.37E-06
1880	437462.23	3762709.73	4.15E-06	1.31E-05	1.72E-05	6.45E-07	2.13E-06	2.78E-06	3.47E-07	9.90E-07	1.34E-06
1881	437452.84	3762709.73	4.02E-06	1.27E-05	1.67E-05	6.24E-07	2.07E-06	2.69E-06	3.36E-07	9.59E-07	1.30E-06
1882	437546.75	3762699.72	2.73E-06	8.59E-06	1.13E-05	4.24E-07	1.40E-06	1.83E-06	2.28E-07	6.51E-07	8.79E-07
1883	437537.36	3762699.72	2.87E-06	9.03E-06	1.19E-05	4.45E-07	1.48E-06	1.92E-06	2.40E-07	6.84E-07	9.24E-07
1884	437527.97	3762699.72	2.98E-06	9.38E-06	1.24E-05	4.63E-07	1.53E-06	2.00E-06	2.49E-07	7.11E-07	9.60E-07
1885	437518.57	3762699.72	3.06E-06	9.64E-06	1.27E-05	4.76E-07	1.58E-06	2.05E-06	2.56E-07	7.31E-07	9.87E-07
1886	437509.18	3762699.72	3.10E-06	9.76E-06	1.29E-05	4.82E-07	1.59E-06	2.08E-06	2.59E-07	7.40E-07	9.99E-07
1887	437499.79	3762699.73	3.11E-06	9.80E-06	1.29E-05	4.84E-07	1.60E-06	2.09E-06	2.61E-07	7.43E-07	1.00E-06

1888	437490.4	3762699.73	3.10E-06	9.77E-06	1.29E-05	4.82E-07	1.60E-06	2.08E-06	2.60E-07	7.41E-07	1.00E-06
1889	437481.01	3762699.73	3.07E-06	9.66E-06	1.27E-05	4.76E-07	1.58E-06	2.05E-06	2.57E-07	7.32E-07	9.88E-07
1890	437471.62	3762699.73	3.01E-06	9.48E-06	1.25E-05	4.68E-07	1.55E-06	2.02E-06	2.52E-07	7.18E-07	9.70E-07
1891	437462.23	3762699.73	2.93E-06	9.23E-06	1.22E-05	4.56E-07	1.51E-06	1.96E-06	2.45E-07	7.00E-07	9.45E-07
1892	437452.84	3762699.73	2.83E-06	8.92E-06	1.17E-05	4.40E-07	1.46E-06	1.90E-06	2.37E-07	6.76E-07	9.13E-07
1893	437546.75	3762689.72	2.07E-06	6.50E-06	8.57E-06	3.21E-07	1.06E-06	1.38E-06	1.73E-07	4.93E-07	6.66E-07
1894	437537.36	3762689.72	2.15E-06	6.76E-06	8.91E-06	3.34E-07	1.10E-06	1.44E-06	1.80E-07	5.12E-07	6.92E-07
1895	437527.96	3762689.72	2.21E-06	6.97E-06	9.19E-06	3.44E-07	1.14E-06	1.48E-06	1.85E-07	5.28E-07	7.14E-07
1896	437518.57	3762689.72	2.26E-06	7.13E-06	9.39E-06	3.52E-07	1.16E-06	1.52E-06	1.89E-07	5.40E-07	7.30E-07
1897	437509.18	3762689.72	2.29E-06	7.20E-06	9.48E-06	3.55E-07	1.18E-06	1.53E-06	1.91E-07	5.46E-07	7.37E-07
1898	437499.79	3762689.73	2.29E-06	7.22E-06	9.51E-06	3.56E-07	1.18E-06	1.54E-06	1.92E-07	5.47E-07	7.39E-07
1899	437490.4	3762689.73	2.28E-06	7.19E-06	9.47E-06	3.55E-07	1.17E-06	1.53E-06	1.91E-07	5.45E-07	7.36E-07
1900	437481.01	3762689.73	2.26E-06	7.11E-06	9.37E-06	3.51E-07	1.16E-06	1.51E-06	1.89E-07	5.39E-07	7.28E-07
1901	437471.62	3762689.73	2.22E-06	6.99E-06	9.21E-06	3.45E-07	1.14E-06	1.49E-06	1.86E-07	5.30E-07	7.15E-07
1902	437462.23	3762689.73	2.17E-06	6.82E-06	8.99E-06	3.37E-07	1.11E-06	1.45E-06	1.81E-07	5.17E-07	6.99E-07
1903	437452.84	3762689.73	2.09E-06	6.58E-06	8.68E-06	3.25E-07	1.08E-06	1.40E-06	1.75E-07	4.99E-07	6.74E-07
1904	437546.75	3762679.72	1.63E-06	5.12E-06	6.74E-06	2.53E-07	8.36E-07	1.09E-06	1.36E-07	3.88E-07	5.24E-07
1905	437537.35	3762679.72	1.67E-06	5.26E-06	6.94E-06	2.60E-07	8.60E-07	1.12E-06	1.40E-07	3.99E-07	5.39E-07
1906	437527.96	3762679.72	1.71E-06	5.38E-06	7.09E-06	2.65E-07	8.79E-07	1.14E-06	1.43E-07	4.07E-07	5.50E-07
1907	437518.57	3762679.72	1.73E-06	5.46E-06	7.19E-06	2.69E-07	8.92E-07	1.16E-06	1.45E-07	4.14E-07	5.59E-07
1908	437509.18	3762679.72	1.75E-06	5.50E-06	7.25E-06	2.72E-07	8.99E-07	1.17E-06	1.46E-07	4.17E-07	5.63E-07
1909	437499.79	3762679.73	1.75E-06	5.52E-06	7.27E-06	2.72E-07	9.01E-07	1.17E-06	1.47E-07	4.18E-07	5.65E-07
1910	437490.4	3762679.73	1.74E-06	5.49E-06	7.24E-06	2.71E-07	8.97E-07	1.17E-06	1.46E-07	4.16E-07	5.62E-07
1911	437481.01	3762679.73	1.73E-06	5.44E-06	7.16E-06	2.68E-07	8.88E-07	1.16E-06	1.45E-07	4.12E-07	5.57E-07
1912	437471.62	3762679.73	1.70E-06	5.35E-06	7.05E-06	2.64E-07	8.74E-07	1.14E-06	1.42E-07	4.05E-07	5.48E-07
1913	437462.23	3762679.73	1.66E-06	5.23E-06	6.89E-06	2.58E-07	8.55E-07	1.11E-06	1.39E-07	3.96E-07	5.35E-07
1914	437452.84	3762679.73	1.61E-06	5.06E-06	6.67E-06	2.50E-07	8.27E-07	1.08E-06	1.35E-07	3.84E-07	5.18E-07
1915	437546.74	3762669.72	1.31E-06	4.13E-06	5.44E-06	2.04E-07	6.75E-07	8.79E-07	1.10E-07	3.13E-07	4.23E-07
1916	437537.35	3762669.72	1.34E-06	4.22E-06	5.55E-06	2.08E-07	6.89E-07	8.97E-07	1.12E-07	3.19E-07	4.31E-07
1917	437527.96	3762669.72	1.36E-06	4.28E-06	5.63E-06	2.11E-07	6.98E-07	9.09E-07	1.14E-07	3.24E-07	4.38E-07
1918	437518.57	3762669.72	1.37E-06	4.31E-06	5.68E-06	2.13E-07	7.05E-07	9.18E-07	1.15E-07	3.27E-07	4.42E-07
1919	437509.18	3762669.72	1.38E-06	4.34E-06	5.72E-06	2.14E-07	7.09E-07	9.24E-07	1.15E-07	3.29E-07	4.44E-07
1920	437499.79	3762669.73	1.38E-06	4.35E-06	5.73E-06	2.15E-07	7.10E-07	9.25E-07	1.16E-07	3.29E-07	4.45E-07
1921	437490.4	3762669.73	1.37E-06	4.33E-06	5.70E-06	2.14E-07	7.07E-07	9.21E-07	1.15E-07	3.28E-07	4.43E-07
1922	437481.01	3762669.73	1.36E-06	4.29E-06	5.65E-06	2.11E-07	7.00E-07	9.12E-07	1.14E-07	3.25E-07	4.39E-07
1923	437471.62	3762669.73	1.34E-06	4.22E-06	5.56E-06	2.08E-07	6.89E-07	8.97E-07	1.12E-07	3.20E-07	4.32E-07
1924	437462.23	3762669.73	1.31E-06	4.13E-06	5.44E-06	2.04E-07	6.75E-07	8.78E-07	1.10E-07	3.13E-07	4.23E-07
1925	437452.84	3762669.73	1.27E-06	4.01E-06	5.28E-06	1.98E-07	6.55E-07	8.52E-07	1.07E-07	3.04E-07	4.10E-07
1926	437443.45	3762669.73	1.23E-06	3.86E-06	5.09E-06	1.91E-07	6.31E-07	8.21E-07	1.03E-07	2.93E-07	3.95E-07
1927	437581.61	3762670.28	1.16E-06	3.65E-06	4.80E-06	1.80E-07	5.96E-07	7.76E-07	9.69E-08	2.76E-07	3.73E-07
1928	437590.1	3762673.8	1.18E-06	3.72E-06	4.90E-06	1.84E-07	6.08E-07	7.92E-07	9.89E-08	2.82E-07	3.81E-07
1929	437546.74	3762659.72	1.08E-06	3.40E-06	4.48E-06	1.68E-07	5.56E-07	7.24E-07	9.04E-08	2.58E-07	3.48E-07
1930	437537.35	3762659.72	1.10E-06	3.45E-06	4.55E-06	1.70E-07	5.64E-07	7.34E-07	9.17E-08	2.61E-07	3.53E-07
1931	437527.96	3762659.72	1.11E-06	3.48E-06	4.59E-06	1.72E-07	5.69E-07	7.40E-07	9.25E-08	2.64E-07	3.56E-07
1932	437518.57	3762659.72	1.11E-06	3.50E-06	4.61E-06	1.72E-07	5.71E-07	7.44E-07	9.29E-08	2.65E-07	3.58E-07
1933	437509.18	3762659.72	1.12E-06	3.51E-06	4.63E-06	1.73E-07	5.74E-07	7.47E-07	9.34E-08	2.66E-07	3.60E-07
1934	437499.79	3762659.73	1.12E-06	3.51E-06	4.63E-06	1.73E-07	5.74E-07	7.47E-07	9.34E-08	2.66E-07	3.60E-07
1935	437490.4	3762659.73	1.11E-06	3.50E-06	4.61E-06	1.72E-07	5.71E-07	7.44E-07	9.29E-08	2.65E-07	3.58E-07
1936	437481.01	3762659.73	1.10E-06	3.46E-06	4.56E-06	1.71E-07	5.65E-07	7.36E-07	9.20E-08	2.62E-07	3.54E-07
1937	437471.62	3762659.73	1.08E-06	3.41E-06	4.49E-06	1.68E-07	5.57E-07	7.25E-07	9.06E-08	2.58E-07	3.49E-07
1938	437462.23	3762659.73	1.06E-06	3.34E-06	4.40E-06	1.65E-07	5.45E-07	7.10E-07	8.87E-08	2.53E-07	3.42E-07
1939	437452.84	3762659.73	1.03E-06	3.25E-06	4.28E-06	1.60E-07	5.30E-07	6.90E-07	8.63E-08	2.46E-07	3.32E-07
1940	437443.44	3762659.73	9.96E-07	3.14E-06	4.13E-06	1.55E-07	5.13E-07	6.67E-07	8.34E-08	2.38E-07	3.21E-07
1941	437597.42	3762666.83	1.02E-06	3.20E-06	4.22E-06	1.58E-07	5.23E-07	6.81E-07	8.52E-08	2.43E-07	3.28E-07
1942	437546.74	3762649.72	9.05E-07	2.85E-06	3.75E-06	1.41E-07	4.66E-07	6.06E-07	7.57E-08	2.16E-07	2.92E-07
1943	437537.35	3762649.72	9.15E-07	2.88E-06	3.80E-06	1.42E-07	4.71E-07	6.13E-07	7.66E-08	2.18E-07	2.95E-07
1944	437527.96	3762649.72	9.20E-07	2.90E-06	3.82E-06	1.43E-07	4.74E-07	6.17E-07	7.70E-08	2.20E-07	2.97E-07
1945	437518.57	3762649.72	9.23E-07	2.91E-06	3.83E-06	1.43E-07	4.75E-07	6.18E-07	7.72E-08	2.20E-07	2.97E-07
1946	437509.18	3762649.72	9.25E-07	2.91E-06	3.84E-06	1.44E-07	4.76E-07	6.19E-07	7.74E-08	2.21E-07	2.98E-07
1947	437499.79	3762649.73	9.23E-07	2.91E-06	3.83E-06	1.43E-07	4.75E-07	6.18E-07	7.72E-08	2.20E-07	2.97E-07
1948	437490.4	3762649.73	9.17E-07	2.89E-06	3.80E-06	1.42E-07	4.72E-07	6.14E-07	7.67E-08	2.19E-07	2.95E-07

1949	437481.01	3762649.73	9.07E-07	2.86E-06	3.76E-06	1.41E-07	4.67E-07	6.08E-07	7.59E-08	2.16E-07	2.92E-07
1950	437471.62	3762649.73	8.93E-07	2.81E-06	3.71E-06	1.39E-07	4.60E-07	5.98E-07	7.48E-08	2.13E-07	2.88E-07
1951	437462.23	3762649.73	8.75E-07	2.76E-06	3.63E-06	1.36E-07	4.50E-07	5.86E-07	7.33E-08	2.09E-07	2.82E-07
1952	437452.83	3762649.73	8.53E-07	2.68E-06	3.54E-06	1.32E-07	4.39E-07	5.71E-07	7.14E-08	2.03E-07	2.75E-07
1953	437443.44	3762649.73	8.26E-07	2.60E-06	3.43E-06	1.28E-07	4.25E-07	5.53E-07	6.91E-08	1.97E-07	2.66E-07
1954	437596.57	3762656.48	8.71E-07	2.74E-06	3.62E-06	1.35E-07	4.48E-07	5.84E-07	7.29E-08	2.08E-07	2.81E-07
1955	437616.09	3762671.28	9.88E-07	3.11E-06	4.10E-06	1.53E-07	5.08E-07	6.62E-07	8.27E-08	2.36E-07	3.18E-07
1956	437546.74	3762639.72	7.68E-07	2.42E-06	3.19E-06	1.19E-07	3.95E-07	5.14E-07	6.43E-08	1.83E-07	2.48E-07
1957	437537.35	3762639.72	7.74E-07	2.44E-06	3.21E-06	1.20E-07	3.98E-07	5.19E-07	6.48E-08	1.85E-07	2.50E-07
1958	437527.96	3762639.72	7.78E-07	2.45E-06	3.23E-06	1.21E-07	4.00E-07	5.21E-07	6.51E-08	1.86E-07	2.51E-07
1959	437518.57	3762639.72	7.78E-07	2.45E-06	3.23E-06	1.21E-07	4.00E-07	5.21E-07	6.51E-08	1.86E-07	2.51E-07
1960	437509.18	3762639.72	7.78E-07	2.45E-06	3.23E-06	1.21E-07	4.00E-07	5.21E-07	6.51E-08	1.86E-07	2.51E-07
1961	437499.79	3762639.73	7.75E-07	2.44E-06	3.22E-06	1.20E-07	3.99E-07	5.19E-07	6.49E-08	1.85E-07	2.50E-07
1962	437490.4	3762639.73	7.69E-07	2.42E-06	3.19E-06	1.19E-07	3.96E-07	5.15E-07	6.44E-08	1.83E-07	2.48E-07
1963	437481.01	3762639.73	7.60E-07	2.39E-06	3.15E-06	1.18E-07	3.91E-07	5.09E-07	6.36E-08	1.81E-07	2.45E-07
1964	437471.62	3762639.73	7.49E-07	2.36E-06	3.11E-06	1.16E-07	3.85E-07	5.02E-07	6.27E-08	1.79E-07	2.41E-07
1965	437462.22	3762639.73	7.34E-07	2.31E-06	3.05E-06	1.14E-07	3.78E-07	4.92E-07	6.14E-08	1.75E-07	2.37E-07
1966	437452.83	3762639.73	7.16E-07	2.25E-06	2.97E-06	1.11E-07	3.68E-07	4.79E-07	5.99E-08	1.71E-07	2.31E-07
1967	437443.44	3762639.73	6.95E-07	2.19E-06	2.88E-06	1.08E-07	3.57E-07	4.65E-07	5.81E-08	1.66E-07	2.24E-07
1968	437595.94	3762646.22	7.53E-07	2.37E-06	3.12E-06	1.17E-07	3.87E-07	5.04E-07	6.30E-08	1.80E-07	2.43E-07
1969	437611.86	3762652.82	7.76E-07	2.44E-06	3.22E-06	1.21E-07	3.99E-07	5.20E-07	6.50E-08	1.85E-07	2.50E-07
1970	437623.11	3762664.09	8.58E-07	2.70E-06	3.56E-06	1.33E-07	4.42E-07	5.75E-07	7.18E-08	2.05E-07	2.77E-07
1971	437546.74	3762629.72	6.59E-07	2.08E-06	2.74E-06	1.02E-07	3.39E-07	4.42E-07	5.52E-08	1.57E-07	2.13E-07
1972	437537.35	3762629.72	6.63E-07	2.09E-06	2.75E-06	1.03E-07	3.41E-07	4.44E-07	5.55E-08	1.58E-07	2.14E-07
1973	437527.96	3762629.72	6.65E-07	2.09E-06	2.76E-06	1.03E-07	3.42E-07	4.45E-07	5.56E-08	1.59E-07	2.14E-07
1974	437518.57	3762629.72	6.64E-07	2.09E-06	2.76E-06	1.03E-07	3.42E-07	4.45E-07	5.56E-08	1.58E-07	2.14E-07
1975	437509.18	3762629.72	6.63E-07	2.09E-06	2.75E-06	1.03E-07	3.41E-07	4.44E-07	5.55E-08	1.58E-07	2.14E-07
1976	437499.79	3762629.73	6.59E-07	2.08E-06	2.74E-06	1.02E-07	3.39E-07	4.42E-07	5.52E-08	1.57E-07	2.13E-07
1977	437490.4	3762629.73	6.53E-07	2.06E-06	2.71E-06	1.02E-07	3.36E-07	4.38E-07	5.47E-08	1.56E-07	2.11E-07
1978	437481.01	3762629.73	6.46E-07	2.03E-06	2.68E-06	1.00E-07	3.32E-07	4.33E-07	5.41E-08	1.54E-07	2.08E-07
1979	437471.61	3762629.73	6.36E-07	2.00E-06	2.64E-06	9.88E-08	3.27E-07	4.26E-07	5.32E-08	1.52E-07	2.05E-07
1980	437462.22	3762629.73	6.23E-07	1.96E-06	2.59E-06	9.69E-08	3.21E-07	4.18E-07	5.22E-08	1.49E-07	2.01E-07
1981	437452.83	3762629.73	6.08E-07	1.92E-06	2.52E-06	9.45E-08	3.13E-07	4.08E-07	5.09E-08	1.45E-07	1.96E-07
1982	437443.44	3762629.73	5.91E-07	1.86E-06	2.45E-06	9.19E-08	3.04E-07	3.96E-07	4.95E-08	1.41E-07	1.91E-07
1983	437595.45	3762636.02	6.55E-07	2.06E-06	2.72E-06	1.02E-07	3.37E-07	4.39E-07	5.48E-08	1.56E-07	2.11E-07
1984	437611.17	3762642.54	6.78E-07	2.13E-06	2.81E-06	1.05E-07	3.49E-07	4.54E-07	5.67E-08	1.62E-07	2.18E-07
1985	437630.15	3762656.93	7.53E-07	2.37E-06	3.12E-06	1.17E-07	3.87E-07	5.04E-07	6.30E-08	1.80E-07	2.43E-07
1986	437636.65	3762672.66	8.94E-07	2.82E-06	3.71E-06	1.39E-07	4.60E-07	5.99E-07	7.49E-08	2.13E-07	2.88E-07
1987	437546.74	3762619.72	5.72E-07	1.80E-06	2.37E-06	8.88E-08	2.94E-07	3.83E-07	4.78E-08	1.36E-07	1.84E-07
1988	437537.35	3762619.72	5.74E-07	1.81E-06	2.38E-06	8.92E-08	2.95E-07	3.85E-07	4.80E-08	1.37E-07	1.85E-07
1989	437527.96	3762619.72	5.75E-07	1.81E-06	2.38E-06	8.93E-08	2.96E-07	3.85E-07	4.81E-08	1.37E-07	1.85E-07
1990	437518.57	3762619.72	5.74E-07	1.81E-06	2.38E-06	8.91E-08	2.95E-07	3.84E-07	4.80E-08	1.37E-07	1.85E-07
1991	437509.18	3762619.72	5.72E-07	1.80E-06	2.37E-06	8.88E-08	2.94E-07	3.83E-07	4.78E-08	1.36E-07	1.84E-07
1992	437499.79	3762619.73	5.68E-07	1.79E-06	2.36E-06	8.82E-08	2.92E-07	3.80E-07	4.75E-08	1.36E-07	1.83E-07
1993	437490.4	3762619.73	5.62E-07	1.77E-06	2.33E-06	8.74E-08	2.89E-07	3.77E-07	4.71E-08	1.34E-07	1.81E-07
1994	437481	3762619.73	5.55E-07	1.75E-06	2.30E-06	8.62E-08	2.86E-07	3.72E-07	4.65E-08	1.32E-07	1.79E-07
1995	437471.61	3762619.73	5.46E-07	1.72E-06	2.27E-06	8.49E-08	2.81E-07	3.66E-07	4.57E-08	1.30E-07	1.76E-07
1996	437462.22	3762619.73	5.35E-07	1.69E-06	2.22E-06	8.32E-08	2.75E-07	3.59E-07	4.48E-08	1.28E-07	1.73E-07
1997	437452.83	3762619.73	5.23E-07	1.65E-06	2.17E-06	8.13E-08	2.69E-07	3.50E-07	4.38E-08	1.25E-07	1.69E-07
1998	437443.44	3762619.73	5.09E-07	1.60E-06	2.11E-06	7.91E-08	2.62E-07	3.41E-07	4.26E-08	1.22E-07	1.64E-07
1999	437590.1	3762613.8	4.99E-07	1.57E-06	2.07E-06	7.75E-08	2.57E-07	3.34E-07	4.18E-08	1.19E-07	1.61E-07
2000	437598.59	3762617.32	5.11E-07	1.61E-06	2.12E-06	7.94E-08	2.63E-07	3.42E-07	4.28E-08	1.22E-07	1.65E-07
2001	437607.08	3762620.84	5.22E-07	1.64E-06	2.17E-06	8.11E-08	2.69E-07	3.50E-07	4.37E-08	1.25E-07	1.68E-07
2002	437615.57	3762624.36	5.31E-07	1.67E-06	2.20E-06	8.26E-08	2.73E-07	3.56E-07	4.45E-08	1.27E-07	1.71E-07
2003	437624.07	3762627.88	5.39E-07	1.70E-06	2.24E-06	8.38E-08	2.77E-07	3.61E-07	4.51E-08	1.29E-07	1.74E-07
2004	437632.56	3762631.4	5.45E-07	1.72E-06	2.26E-06	8.47E-08	2.80E-07	3.65E-07	4.56E-08	1.30E-07	1.76E-07
2005	437644.56	3762643.42	5.97E-07	1.88E-06	2.48E-06	9.28E-08	3.07E-07	4.00E-07	5.00E-08	1.43E-07	1.93E-07
2006	437648.07	3762651.92	6.49E-07	2.04E-06	2.69E-06	1.01E-07	3.34E-07	4.35E-07	5.43E-08	1.55E-07	2.09E-07
2007	437651.58	3762660.42	7.06E-07	2.22E-06	2.93E-06	1.10E-07	3.63E-07	4.73E-07	5.91E-08	1.68E-07	2.27E-07
2008	437655.09	3762668.91	7.67E-07	2.42E-06	3.18E-06	1.19E-07	3.95E-07	5.14E-07	6.42E-08	1.83E-07	2.47E-07
2009	437665.61	3762694.4	9.77E-07	3.08E-06	4.05E-06	1.52E-07	5.03E-07	6.54E-07	8.18E-08	2.33E-07	3.15E-07

2010	437669.12	3762702.9	1.05E-06	3.31E-06	4.37E-06	1.63E-07	5.41E-07	7.05E-07	8.81E-08	2.51E-07	3.39E-07
2011	437672.63	3762711.4	1.13E-06	3.55E-06	4.68E-06	1.75E-07	5.80E-07	7.56E-07	9.44E-08	2.69E-07	3.64E-07
2012	437546.74	3762599.72	4.40E-07	1.39E-06	1.83E-06	6.84E-08	2.26E-07	2.95E-07	3.68E-08	1.05E-07	1.42E-07
2013	437537.35	3762599.72	4.41E-07	1.39E-06	1.83E-06	6.85E-08	2.27E-07	2.95E-07	3.69E-08	1.05E-07	1.42E-07
2014	437527.96	3762599.72	4.40E-07	1.39E-06	1.83E-06	6.84E-08	2.26E-07	2.95E-07	3.68E-08	1.05E-07	1.42E-07
2015	437518.57	3762599.72	4.38E-07	1.38E-06	1.82E-06	6.81E-08	2.26E-07	2.94E-07	3.67E-08	1.05E-07	1.41E-07
2016	437509.18	3762599.72	4.36E-07	1.37E-06	1.81E-06	6.77E-08	2.24E-07	2.92E-07	3.65E-08	1.04E-07	1.40E-07
2017	437499.78	3762599.73	4.32E-07	1.36E-06	1.79E-06	6.71E-08	2.22E-07	2.89E-07	3.62E-08	1.03E-07	1.39E-07
2018	437490.39	3762599.73	4.27E-07	1.35E-06	1.77E-06	6.64E-08	2.20E-07	2.86E-07	3.58E-08	1.02E-07	1.38E-07
2019	437481	3762599.73	4.21E-07	1.33E-06	1.75E-06	6.55E-08	2.17E-07	2.82E-07	3.53E-08	1.01E-07	1.36E-07
2020	437471.61	3762599.73	4.14E-07	1.31E-06	1.72E-06	6.44E-08	2.13E-07	2.78E-07	3.47E-08	9.89E-08	1.34E-07
2021	437462.22	3762599.73	4.07E-07	1.28E-06	1.69E-06	6.32E-08	2.09E-07	2.72E-07	3.40E-08	9.70E-08	1.31E-07
2022	437452.83	3762599.73	3.98E-07	1.25E-06	1.65E-06	6.18E-08	2.05E-07	2.67E-07	3.33E-08	9.50E-08	1.28E-07
2023	437443.44	3762599.73	3.88E-07	1.22E-06	1.61E-06	6.04E-08	2.00E-07	2.60E-07	3.25E-08	9.27E-08	1.25E-07
2024	437597.41	3762596.83	4.04E-07	1.27E-06	1.68E-06	6.27E-08	2.08E-07	2.70E-07	3.38E-08	9.63E-08	1.30E-07
2025	437613.92	3762603.68	4.21E-07	1.33E-06	1.75E-06	6.54E-08	2.17E-07	2.82E-07	3.53E-08	1.01E-07	1.36E-07
2026	437630.43	3762610.52	4.35E-07	1.37E-06	1.80E-06	6.75E-08	2.24E-07	2.91E-07	3.64E-08	1.04E-07	1.40E-07
2027	437646.95	3762617.37	4.44E-07	1.40E-06	1.84E-06	6.90E-08	2.28E-07	2.97E-07	3.72E-08	1.06E-07	1.43E-07
2028	437658.61	3762629.05	4.82E-07	1.52E-06	2.00E-06	7.48E-08	2.48E-07	3.23E-07	4.03E-08	1.15E-07	1.55E-07
2029	437665.44	3762645.58	5.58E-07	1.76E-06	2.32E-06	8.67E-08	2.87E-07	3.74E-07	4.67E-08	1.33E-07	1.80E-07
2030	437672.26	3762662.1	6.47E-07	2.04E-06	2.68E-06	1.00E-07	3.33E-07	4.33E-07	5.41E-08	1.54E-07	2.08E-07
2031	437679.08	3762678.62	7.48E-07	2.35E-06	3.10E-06	1.16E-07	3.85E-07	5.01E-07	6.26E-08	1.78E-07	2.41E-07
2032	437682.49	3762686.88	8.02E-07	2.52E-06	3.33E-06	1.25E-07	4.12E-07	5.37E-07	6.71E-08	1.91E-07	2.58E-07
2033	437689.32	3762703.4	9.13E-07	2.88E-06	3.79E-06	1.42E-07	4.70E-07	6.12E-07	7.64E-08	2.18E-07	2.94E-07
2034	437546.74	3762579.72	3.48E-07	1.10E-06	1.44E-06	5.40E-08	1.79E-07	2.33E-07	2.91E-08	8.30E-08	1.12E-07
2035	437537.35	3762579.72	3.47E-07	1.09E-06	1.44E-06	5.40E-08	1.79E-07	2.33E-07	2.91E-08	8.29E-08	1.12E-07
2036	437527.96	3762579.72	3.46E-07	1.09E-06	1.44E-06	5.38E-08	1.78E-07	2.32E-07	2.90E-08	8.26E-08	1.12E-07
2037	437518.56	3762579.72	3.44E-07	1.08E-06	1.43E-06	5.35E-08	1.77E-07	2.31E-07	2.88E-08	8.21E-08	1.11E-07
2038	437509.17	3762579.72	3.41E-07	1.08E-06	1.42E-06	5.31E-08	1.76E-07	2.29E-07	2.86E-08	8.15E-08	1.10E-07
2039	437499.78	3762579.73	3.38E-07	1.06E-06	1.40E-06	5.25E-08	1.74E-07	2.26E-07	2.83E-08	8.07E-08	1.09E-07
2040	437490.39	3762579.73	3.34E-07	1.05E-06	1.39E-06	5.19E-08	1.72E-07	2.24E-07	2.79E-08	7.97E-08	1.08E-07
2041	437481	3762579.73	3.29E-07	1.04E-06	1.37E-06	5.12E-08	1.69E-07	2.21E-07	2.76E-08	7.86E-08	1.06E-07
2042	437471.61	3762579.73	3.24E-07	1.02E-06	1.34E-06	5.03E-08	1.67E-07	2.17E-07	2.71E-08	7.73E-08	1.04E-07
2043	437462.22	3762579.73	3.18E-07	1.00E-06	1.32E-06	4.94E-08	1.64E-07	2.13E-07	2.66E-08	7.59E-08	1.03E-07
2044	437452.83	3762579.73	3.12E-07	9.82E-07	1.29E-06	4.85E-08	1.60E-07	2.09E-07	2.61E-08	7.44E-08	1.01E-07
2045	437443.44	3762579.73	3.05E-07	9.61E-07	1.27E-06	4.74E-08	1.57E-07	2.04E-07	2.56E-08	7.28E-08	9.84E-08
2046	437596.56	3762576.48	3.26E-07	1.03E-06	1.35E-06	5.06E-08	1.67E-07	2.18E-07	2.72E-08	7.77E-08	1.05E-07
2047	437612.74	3762583.19	3.40E-07	1.07E-06	1.41E-06	5.29E-08	1.75E-07	2.28E-07	2.85E-08	8.12E-08	1.10E-07
2048	437628.92	3762589.9	3.52E-07	1.11E-06	1.46E-06	5.47E-08	1.81E-07	2.36E-07	2.95E-08	8.41E-08	1.14E-07
2049	437645.09	3762596.6	3.62E-07	1.14E-06	1.50E-06	5.62E-08	1.86E-07	2.42E-07	3.03E-08	8.63E-08	1.17E-07
2050	437661.27	3762603.31	3.69E-07	1.16E-06	1.53E-06	5.73E-08	1.90E-07	2.47E-07	3.09E-08	8.80E-08	1.19E-07
2051	437672.7	3762614.75	3.96E-07	1.25E-06	1.64E-06	6.16E-08	2.04E-07	2.65E-07	3.32E-08	9.46E-08	1.28E-07
2052	437679.38	3762630.94	4.52E-07	1.42E-06	1.88E-06	7.03E-08	2.33E-07	3.03E-07	3.79E-08	1.08E-07	1.46E-07
2053	437686.06	3762647.12	5.17E-07	1.63E-06	2.14E-06	8.03E-08	2.66E-07	3.46E-07	4.33E-08	1.23E-07	1.67E-07
2054	437692.75	3762663.31	5.89E-07	1.86E-06	2.45E-06	9.16E-08	3.03E-07	3.95E-07	4.93E-08	1.41E-07	1.90E-07
2055	437699.43	3762679.49	6.70E-07	2.11E-06	2.78E-06	1.04E-07	3.45E-07	4.49E-07	5.61E-08	1.60E-07	2.16E-07
2056	437706.11	3762695.68	7.55E-07	2.38E-06	3.13E-06	1.17E-07	3.88E-07	5.06E-07	6.32E-08	1.80E-07	2.43E-07
2057	437546.73	3762559.72	2.81E-07	8.84E-07	1.16E-06	4.36E-08	1.44E-07	1.88E-07	2.35E-08	6.70E-08	9.05E-08
2058	437537.34	3762559.72	2.80E-07	8.81E-07	1.16E-06	4.35E-08	1.44E-07	1.87E-07	2.34E-08	6.68E-08	9.02E-08
2059	437527.95	3762559.72	2.78E-07	8.77E-07	1.16E-06	4.33E-08	1.43E-07	1.86E-07	2.33E-08	6.64E-08	8.97E-08
2060	437518.56	3762559.72	2.76E-07	8.71E-07	1.15E-06	4.30E-08	1.42E-07	1.85E-07	2.31E-08	6.60E-08	8.91E-08
2061	437509.17	3762559.72	2.74E-07	8.63E-07	1.14E-06	4.26E-08	1.41E-07	1.84E-07	2.29E-08	6.54E-08	8.83E-08
2062	437499.78	3762559.73	2.71E-07	8.53E-07	1.12E-06	4.21E-08	1.39E-07	1.82E-07	2.27E-08	6.47E-08	8.74E-08
2063	437490.39	3762559.73	2.68E-07	8.43E-07	1.11E-06	4.16E-08	1.38E-07	1.79E-07	2.24E-08	6.38E-08	8.62E-08
2064	437481	3762559.73	2.64E-07	8.31E-07	1.09E-06	4.10E-08	1.36E-07	1.77E-07	2.21E-08	6.29E-08	8.50E-08
2065	437471.61	3762559.73	2.60E-07	8.18E-07	1.08E-06	4.03E-08	1.34E-07	1.74E-07	2.17E-08	6.20E-08	8.37E-08
2066	437462.22	3762559.73	2.55E-07	8.04E-07	1.06E-06	3.97E-08	1.31E-07	1.71E-07	2.14E-08	6.09E-08	8.23E-08
2067	437452.83	3762559.73	2.50E-07	7.89E-07	1.04E-06	3.89E-08	1.29E-07	1.68E-07	2.10E-08	5.98E-08	8.07E-08
2068	437443.44	3762559.73	2.46E-07	7.73E-07	1.02E-06	3.82E-08	1.26E-07	1.64E-07	2.06E-08	5.86E-08	7.91E-08
2069	437598.58	3762557.32	2.69E-07	8.48E-07	1.12E-06	4.18E-08	1.38E-07	1.80E-07	2.25E-08	6.42E-08	8.68E-08
2070	437607.08	3762560.84	2.76E-07	8.68E-07	1.14E-06	4.29E-08	1.42E-07	1.85E-07	2.31E-08	6.58E-08	8.89E-08

2071	437615.57	3762564.36	2.82E-07	8.88E-07	1.17E-06	4.38E-08	1.45E-07	1.89E-07	2.36E-08	6.73E-08	9.09E-08
2072	437624.06	3762567.88	2.88E-07	9.06E-07	1.19E-06	4.47E-08	1.48E-07	1.93E-07	2.41E-08	6.86E-08	9.27E-08
2073	437632.55	3762571.4	2.93E-07	9.22E-07	1.21E-06	4.55E-08	1.51E-07	1.96E-07	2.45E-08	6.99E-08	9.44E-08
2074	437641.05	3762574.93	2.97E-07	9.37E-07	1.23E-06	4.62E-08	1.53E-07	1.99E-07	2.49E-08	7.10E-08	9.59E-08
2075	437649.54	3762578.45	3.01E-07	9.49E-07	1.25E-06	4.68E-08	1.55E-07	2.02E-07	2.52E-08	7.19E-08	9.72E-08
2076	437658.03	3762581.97	3.05E-07	9.61E-07	1.27E-06	4.74E-08	1.57E-07	2.04E-07	2.55E-08	7.28E-08	9.83E-08
2077	437666.52	3762585.49	3.08E-07	9.70E-07	1.28E-06	4.79E-08	1.58E-07	2.06E-07	2.58E-08	7.35E-08	9.93E-08
2078	437675.01	3762589.01	3.10E-07	9.78E-07	1.29E-06	4.82E-08	1.60E-07	2.08E-07	2.60E-08	7.41E-08	1.00E-07
2079	437687.02	3762601.02	3.33E-07	1.05E-06	1.38E-06	5.17E-08	1.71E-07	2.23E-07	2.79E-08	7.95E-08	1.07E-07
2080	437690.52	3762609.52	3.55E-07	1.12E-06	1.47E-06	5.52E-08	1.83E-07	2.38E-07	2.97E-08	8.47E-08	1.14E-07
2081	437694.03	3762618.02	3.79E-07	1.19E-06	1.57E-06	5.88E-08	1.95E-07	2.54E-07	3.17E-08	9.04E-08	1.22E-07
2082	437697.54	3762626.52	4.04E-07	1.27E-06	1.68E-06	6.28E-08	2.08E-07	2.71E-07	3.38E-08	9.64E-08	1.30E-07
2083	437701.05	3762635.01	4.31E-07	1.36E-06	1.79E-06	6.69E-08	2.22E-07	2.89E-07	3.61E-08	1.03E-07	1.39E-07
2084	437704.56	3762643.51	4.59E-07	1.45E-06	1.91E-06	7.14E-08	2.36E-07	3.08E-07	3.85E-08	1.10E-07	1.48E-07
2085	437708.07	3762652.01	4.90E-07	1.54E-06	2.03E-06	7.61E-08	2.52E-07	3.28E-07	4.10E-08	1.17E-07	1.58E-07
2086	437711.58	3762660.5	5.22E-07	1.64E-06	2.16E-06	8.10E-08	2.68E-07	3.49E-07	4.37E-08	1.24E-07	1.68E-07
2087	437715.09	3762669	5.55E-07	1.75E-06	2.30E-06	8.63E-08	2.86E-07	3.72E-07	4.65E-08	1.32E-07	1.79E-07
2088	437718.6	3762677.5	5.90E-07	1.86E-06	2.45E-06	9.16E-08	3.03E-07	3.95E-07	4.94E-08	1.41E-07	1.90E-07
2089	437722.1	3762685.99	6.25E-07	1.97E-06	2.59E-06	9.71E-08	3.22E-07	4.19E-07	5.23E-08	1.49E-07	2.02E-07
2090	437725.61	3762694.49	6.61E-07	2.08E-06	2.74E-06	1.03E-07	3.40E-07	4.43E-07	5.53E-08	1.58E-07	2.13E-07
2091	437729.12	3762702.99	6.97E-07	2.19E-06	2.89E-06	1.08E-07	3.58E-07	4.67E-07	5.83E-08	1.66E-07	2.25E-07
2092	437732.63	3762711.49	7.32E-07	2.30E-06	3.04E-06	1.14E-07	3.77E-07	4.90E-07	6.13E-08	1.75E-07	2.36E-07
2093	437546.73	3762539.72	2.31E-07	7.26E-07	9.57E-07	3.58E-08	1.19E-07	1.54E-07	1.93E-08	5.50E-08	7.43E-08
2094	437537.34	3762539.72	2.30E-07	7.23E-07	9.52E-07	3.57E-08	1.18E-07	1.54E-07	1.92E-08	5.48E-08	7.40E-08
2095	437527.95	3762539.72	2.28E-07	7.18E-07	9.46E-07	3.54E-08	1.17E-07	1.53E-07	1.91E-08	5.44E-08	7.35E-08
2096	437518.56	3762539.72	2.26E-07	7.12E-07	9.39E-07	3.52E-08	1.16E-07	1.52E-07	1.89E-08	5.40E-08	7.29E-08
2097	437509.17	3762539.72	2.24E-07	7.06E-07	9.30E-07	3.48E-08	1.15E-07	1.50E-07	1.88E-08	5.35E-08	7.22E-08
2098	437499.78	3762539.73	2.22E-07	6.98E-07	9.19E-07	3.44E-08	1.14E-07	1.48E-07	1.85E-08	5.29E-08	7.14E-08
2099	437490.39	3762539.73	2.19E-07	6.89E-07	9.08E-07	3.40E-08	1.13E-07	1.47E-07	1.83E-08	5.22E-08	7.05E-08
2100	437481	3762539.73	2.16E-07	6.79E-07	8.95E-07	3.35E-08	1.11E-07	1.45E-07	1.81E-08	5.15E-08	6.95E-08
2101	437471.61	3762539.73	2.12E-07	6.69E-07	8.81E-07	3.30E-08	1.09E-07	1.42E-07	1.78E-08	5.07E-08	6.85E-08
2102	437462.22	3762539.73	2.09E-07	6.58E-07	8.67E-07	3.25E-08	1.07E-07	1.40E-07	1.75E-08	4.99E-08	6.74E-08
2103	437452.82	3762539.73	2.05E-07	6.47E-07	8.52E-07	3.19E-08	1.06E-07	1.38E-07	1.72E-08	4.90E-08	6.62E-08
2104	437443.43	3762539.73	2.01E-07	6.35E-07	8.36E-07	3.13E-08	1.04E-07	1.35E-07	1.69E-08	4.81E-08	6.49E-08
2105	437631.05	3762550.78	2.44E-07	7.68E-07	1.01E-06	3.79E-08	1.26E-07	1.63E-07	2.04E-08	5.82E-08	7.87E-08
2106	437639.38	3762554.23	2.48E-07	7.82E-07	1.03E-06	3.86E-08	1.28E-07	1.66E-07	2.08E-08	5.92E-08	8.00E-08
2107	437647.7	3762557.69	2.52E-07	7.94E-07	1.05E-06	3.92E-08	1.30E-07	1.69E-07	2.11E-08	6.01E-08	8.12E-08
2108	437656.03	3762561.14	2.55E-07	8.04E-07	1.06E-06	3.97E-08	1.31E-07	1.71E-07	2.14E-08	6.09E-08	8.23E-08
2109	437672.68	3762568.04	2.61E-07	8.22E-07	1.08E-06	4.05E-08	1.34E-07	1.75E-07	2.18E-08	6.23E-08	8.41E-08
2110	437681.01	3762571.49	2.63E-07	8.29E-07	1.09E-06	4.09E-08	1.35E-07	1.76E-07	2.20E-08	6.28E-08	8.48E-08
2111	437689.33	3762574.94	2.65E-07	8.34E-07	1.10E-06	4.12E-08	1.36E-07	1.77E-07	2.22E-08	6.32E-08	8.54E-08
2112	437701.1	3762586.73	2.82E-07	8.89E-07	1.17E-06	4.39E-08	1.45E-07	1.89E-07	2.36E-08	6.74E-08	9.10E-08
2113	437707.98	3762603.39	3.17E-07	9.99E-07	1.32E-06	4.93E-08	1.63E-07	2.13E-07	2.66E-08	7.57E-08	1.02E-07
2114	437714.86	3762620.05	3.57E-07	1.12E-06	1.48E-06	5.55E-08	1.84E-07	2.39E-07	2.99E-08	8.52E-08	1.15E-07
2115	437718.3	3762628.38	3.79E-07	1.19E-06	1.57E-06	5.88E-08	1.95E-07	2.54E-07	3.17E-08	9.04E-08	1.22E-07
2116	437725.18	3762645.04	4.26E-07	1.34E-06	1.77E-06	6.61E-08	2.19E-07	2.85E-07	3.56E-08	1.02E-07	1.37E-07
2117	437732.06	3762661.7	4.77E-07	1.50E-06	1.98E-06	7.42E-08	2.46E-07	3.20E-07	3.99E-08	1.14E-07	1.54E-07
2118	437738.94	3762678.36	5.32E-07	1.68E-06	2.21E-06	8.27E-08	2.74E-07	3.57E-07	4.46E-08	1.27E-07	1.72E-07
2119	437742.38	3762686.69	5.61E-07	1.77E-06	2.33E-06	8.71E-08	2.88E-07	3.76E-07	4.69E-08	1.34E-07	1.81E-07
2120	437749.26	3762703.35	6.18E-07	1.94E-06	2.56E-06	9.59E-08	3.18E-07	4.14E-07	5.17E-08	1.47E-07	1.99E-07
2121	437546.73	3762519.72	1.92E-07	6.06E-07	7.98E-07	2.99E-08	9.89E-08	1.29E-07	1.61E-08	4.59E-08	6.20E-08
2122	437537.34	3762519.72	1.91E-07	6.02E-07	7.93E-07	2.97E-08	9.84E-08	1.28E-07	1.60E-08	4.56E-08	6.16E-08
2123	437527.95	3762519.72	1.90E-07	5.98E-07	7.87E-07	2.95E-08	9.76E-08	1.27E-07	1.59E-08	4.53E-08	6.12E-08
2124	437518.56	3762519.72	1.88E-07	5.92E-07	7.80E-07	2.92E-08	9.68E-08	1.26E-07	1.57E-08	4.49E-08	6.06E-08
2125	437509.17	3762519.72	1.86E-07	5.86E-07	7.73E-07	2.89E-08	9.58E-08	1.25E-07	1.56E-08	4.44E-08	6.00E-08
2126	437499.78	3762519.73	1.84E-07	5.80E-07	7.64E-07	2.86E-08	9.47E-08	1.23E-07	1.54E-08	4.39E-08	5.93E-08
2127	437490.39	3762519.73	1.82E-07	5.73E-07	7.54E-07	2.83E-08	9.35E-08	1.22E-07	1.52E-08	4.34E-08	5.86E-08
2128	437481	3762519.73	1.79E-07	5.65E-07	7.44E-07	2.79E-08	9.23E-08	1.20E-07	1.50E-08	4.28E-08	5.78E-08
2129	437471.6	3762519.73	1.77E-07	5.57E-07	7.34E-07	2.75E-08	9.09E-08	1.18E-07	1.48E-08	4.22E-08	5.70E-08
2130	437462.21	3762519.73	1.74E-07	5.48E-07	7.22E-07	2.70E-08	8.96E-08	1.17E-07	1.46E-08	4.15E-08	5.61E-08
2131	437452.82	3762519.73	1.71E-07	5.39E-07	7.11E-07	2.66E-08	8.81E-08	1.15E-07	1.43E-08	4.09E-08	5.52E-08

2132	437443.43	3762519.73	1.68E-07	5.30E-07	6.98E-07	2.62E-08	8.66E-08	1.13E-07	1.41E-08	4.02E-08	5.43E-08
2133	437625.32	3762528.41	2.04E-07	6.41E-07	8.45E-07	3.16E-08	1.05E-07	1.36E-07	1.70E-08	4.86E-08	6.56E-08
2134	437633.97	3762531.99	2.08E-07	6.54E-07	8.62E-07	3.23E-08	1.07E-07	1.39E-07	1.74E-08	4.96E-08	6.69E-08
2135	437642.61	3762535.58	2.11E-07	6.66E-07	8.77E-07	3.29E-08	1.09E-07	1.42E-07	1.77E-08	5.05E-08	6.82E-08
2136	437651.26	3762539.16	2.15E-07	6.77E-07	8.92E-07	3.34E-08	1.11E-07	1.44E-07	1.80E-08	5.13E-08	6.93E-08
2137	437659.91	3762542.75	2.18E-07	6.87E-07	9.05E-07	3.39E-08	1.12E-07	1.46E-07	1.82E-08	5.20E-08	7.03E-08
2138	437668.56	3762546.33	2.21E-07	6.95E-07	9.16E-07	3.43E-08	1.14E-07	1.48E-07	1.85E-08	5.27E-08	7.12E-08
2139	437677.21	3762549.92	2.23E-07	7.03E-07	9.26E-07	3.47E-08	1.15E-07	1.50E-07	1.87E-08	5.33E-08	7.20E-08
2140	437685.86	3762553.51	2.25E-07	7.10E-07	9.35E-07	3.50E-08	1.16E-07	1.51E-07	1.89E-08	5.38E-08	7.26E-08
2141	437694.51	3762557.09	2.27E-07	7.15E-07	9.42E-07	3.53E-08	1.17E-07	1.52E-07	1.90E-08	5.42E-08	7.32E-08
2142	437703.16	3762560.68	2.29E-07	7.20E-07	9.49E-07	3.55E-08	1.18E-07	1.53E-07	1.91E-08	5.46E-08	7.37E-08
2143	437715.38	3762572.92	2.43E-07	7.65E-07	1.01E-06	3.77E-08	1.25E-07	1.63E-07	2.03E-08	5.80E-08	7.83E-08
2144	437718.96	3762581.57	2.57E-07	8.09E-07	1.07E-06	3.99E-08	1.32E-07	1.72E-07	2.15E-08	6.13E-08	8.29E-08
2145	437722.53	3762590.23	2.72E-07	8.57E-07	1.13E-06	4.23E-08	1.40E-07	1.82E-07	2.28E-08	6.49E-08	8.77E-08
2146	437726.11	3762598.88	2.88E-07	9.07E-07	1.19E-06	4.47E-08	1.48E-07	1.93E-07	2.41E-08	6.87E-08	9.28E-08
2147	437729.68	3762607.53	3.05E-07	9.60E-07	1.27E-06	4.74E-08	1.57E-07	2.04E-07	2.55E-08	7.28E-08	9.83E-08
2148	437733.25	3762616.19	3.23E-07	1.02E-06	1.34E-06	5.02E-08	1.66E-07	2.16E-07	2.70E-08	7.71E-08	1.04E-07
2149	437736.83	3762624.84	3.42E-07	1.08E-06	1.42E-06	5.31E-08	1.76E-07	2.29E-07	2.86E-08	8.16E-08	1.10E-07
2150	437740.4	3762633.5	3.62E-07	1.14E-06	1.50E-06	5.62E-08	1.86E-07	2.42E-07	3.03E-08	8.64E-08	1.17E-07
2151	437743.97	3762642.15	3.83E-07	1.21E-06	1.59E-06	5.95E-08	1.97E-07	2.57E-07	3.21E-08	9.14E-08	1.23E-07
2152	437747.55	3762650.81	4.05E-07	1.28E-06	1.68E-06	6.29E-08	2.08E-07	2.71E-07	3.39E-08	9.66E-08	1.31E-07
2153	437751.12	3762659.46	4.28E-07	1.35E-06	1.77E-06	6.65E-08	2.20E-07	2.87E-07	3.58E-08	1.02E-07	1.38E-07
2154	437754.7	3762668.11	4.51E-07	1.42E-06	1.87E-06	7.01E-08	2.32E-07	3.02E-07	3.78E-08	1.08E-07	1.45E-07
2155	437758.27	3762676.77	4.75E-07	1.50E-06	1.97E-06	7.38E-08	2.44E-07	3.18E-07	3.98E-08	1.13E-07	1.53E-07
2156	437761.84	3762685.42	4.99E-07	1.57E-06	2.07E-06	7.76E-08	2.57E-07	3.35E-07	4.18E-08	1.19E-07	1.61E-07
2157	437765.42	3762694.08	5.24E-07	1.65E-06	2.17E-06	8.14E-08	2.70E-07	3.51E-07	4.39E-08	1.25E-07	1.69E-07
2158	437546.73	3762499.72	1.62E-07	5.12E-07	6.74E-07	2.52E-08	8.36E-08	1.09E-07	1.36E-08	3.88E-08	5.24E-08
2159	437537.34	3762499.72	1.61E-07	5.08E-07	6.69E-07	2.51E-08	8.30E-08	1.08E-07	1.35E-08	3.85E-08	5.20E-08
2160	437527.95	3762499.72	1.60E-07	5.04E-07	6.64E-07	2.49E-08	8.23E-08	1.07E-07	1.34E-08	3.82E-08	5.16E-08
2161	437518.56	3762499.72	1.59E-07	4.99E-07	6.58E-07	2.46E-08	8.16E-08	1.06E-07	1.33E-08	3.78E-08	5.11E-08
2162	437509.17	3762499.72	1.57E-07	4.94E-07	6.51E-07	2.44E-08	8.07E-08	1.05E-07	1.31E-08	3.74E-08	5.06E-08
2163	437499.78	3762499.73	1.55E-07	4.88E-07	6.44E-07	2.41E-08	7.98E-08	1.04E-07	1.30E-08	3.70E-08	5.00E-08
2164	437490.38	3762499.73	1.53E-07	4.82E-07	6.36E-07	2.38E-08	7.88E-08	1.03E-07	1.28E-08	3.66E-08	4.94E-08
2165	437480.99	3762499.73	1.51E-07	4.76E-07	6.27E-07	2.35E-08	7.78E-08	1.01E-07	1.27E-08	3.61E-08	4.87E-08
2166	437471.6	3762499.73	1.49E-07	4.70E-07	6.19E-07	2.32E-08	7.67E-08	9.99E-08	1.25E-08	3.56E-08	4.81E-08
2167	437462.21	3762499.73	1.47E-07	4.63E-07	6.10E-07	2.28E-08	7.56E-08	9.84E-08	1.23E-08	3.51E-08	4.74E-08
2168	437452.82	3762499.73	1.45E-07	4.56E-07	6.00E-07	2.25E-08	7.44E-08	9.69E-08	1.21E-08	3.45E-08	4.66E-08
2169	437443.43	3762499.73	1.42E-07	4.49E-07	5.91E-07	2.21E-08	7.33E-08	9.54E-08	1.19E-08	3.40E-08	4.59E-08
2170	437590.09	3762493.8	1.57E-07	4.95E-07	6.53E-07	2.44E-08	8.09E-08	1.05E-07	1.32E-08	3.75E-08	5.07E-08
2171	437598.58	3762497.32	1.61E-07	5.09E-07	6.70E-07	2.51E-08	8.31E-08	1.08E-07	1.35E-08	3.85E-08	5.21E-08
2172	437607.07	3762500.84	1.66E-07	5.21E-07	6.87E-07	2.57E-08	8.52E-08	1.11E-07	1.39E-08	3.95E-08	5.34E-08
2173	437615.56	3762504.36	1.70E-07	5.34E-07	7.03E-07	2.63E-08	8.72E-08	1.14E-07	1.42E-08	4.05E-08	5.46E-08
2174	437624.06	3762507.88	1.73E-07	5.46E-07	7.19E-07	2.69E-08	8.91E-08	1.16E-07	1.45E-08	4.13E-08	5.59E-08
2175	437632.55	3762511.4	1.77E-07	5.57E-07	7.34E-07	2.75E-08	9.10E-08	1.18E-07	1.48E-08	4.22E-08	5.70E-08
2176	437641.04	3762514.93	1.80E-07	5.67E-07	7.48E-07	2.80E-08	9.27E-08	1.21E-07	1.51E-08	4.30E-08	5.81E-08
2177	437649.53	3762518.45	1.83E-07	5.77E-07	7.61E-07	2.85E-08	9.43E-08	1.23E-07	1.53E-08	4.37E-08	5.91E-08
2178	437658.02	3762521.97	1.86E-07	5.86E-07	7.72E-07	2.89E-08	9.58E-08	1.25E-07	1.56E-08	4.44E-08	6.00E-08
2179	437666.52	3762525.49	1.89E-07	5.95E-07	7.83E-07	2.93E-08	9.71E-08	1.26E-07	1.58E-08	4.51E-08	6.09E-08
2180	437675.01	3762529.01	1.91E-07	6.02E-07	7.93E-07	2.97E-08	9.84E-08	1.28E-07	1.60E-08	4.56E-08	6.16E-08
2181	437683.5	3762532.53	1.93E-07	6.09E-07	8.02E-07	3.00E-08	9.95E-08	1.29E-07	1.62E-08	4.61E-08	6.23E-08
2182	437691.99	3762536.05	1.95E-07	6.15E-07	8.10E-07	3.03E-08	1.00E-07	1.31E-07	1.63E-08	4.66E-08	6.29E-08
2183	437700.49	3762539.57	1.97E-07	6.20E-07	8.16E-07	3.06E-08	1.01E-07	1.32E-07	1.65E-08	4.70E-08	6.34E-08
2184	437708.98	3762543.09	1.98E-07	6.24E-07	8.22E-07	3.08E-08	1.02E-07	1.33E-07	1.66E-08	4.73E-08	6.39E-08
2185	437717.47	3762546.61	1.99E-07	6.27E-07	8.26E-07	3.10E-08	1.02E-07	1.33E-07	1.67E-08	4.75E-08	6.42E-08
2186	437729.47	3762558.63	2.11E-07	6.63E-07	8.74E-07	3.27E-08	1.08E-07	1.41E-07	1.76E-08	5.02E-08	6.79E-08
2187	437736.49	3762575.62	2.33E-07	7.35E-07	9.69E-07	3.63E-08	1.20E-07	1.56E-07	1.95E-08	5.57E-08	7.52E-08
2188	437740	3762584.12	2.46E-07	7.75E-07	1.02E-06	3.82E-08	1.27E-07	1.65E-07	2.06E-08	5.87E-08	7.93E-08
2189	437743.51	3762592.62	2.59E-07	8.16E-07	1.08E-06	4.03E-08	1.33E-07	1.74E-07	2.17E-08	6.19E-08	8.35E-08
2190	437747.02	3762601.11	2.73E-07	8.60E-07	1.13E-06	4.24E-08	1.41E-07	1.83E-07	2.29E-08	6.52E-08	8.80E-08
2191	437750.52	3762609.61	2.88E-07	9.07E-07	1.20E-06	4.48E-08	1.48E-07	1.93E-07	2.41E-08	6.87E-08	9.28E-08
2192	437754.03	3762618.11	3.04E-07	9.56E-07	1.26E-06	4.72E-08	1.56E-07	2.03E-07	2.54E-08	7.25E-08	9.79E-08

2193	437757.54	3762626.6	3.20E-07	1.01E-06	1.33E-06	4.97E-08	1.65E-07	2.14E-07	2.68E-08	7.64E-08	1.03E-07
2194	437761.05	3762635.1	3.37E-07	1.06E-06	1.40E-06	5.24E-08	1.74E-07	2.26E-07	2.82E-08	8.05E-08	1.09E-07
2195	437764.56	3762643.6	3.55E-07	1.12E-06	1.47E-06	5.52E-08	1.83E-07	2.38E-07	2.97E-08	8.47E-08	1.14E-07
2196	437768.07	3762652.09	3.74E-07	1.18E-06	1.55E-06	5.81E-08	1.92E-07	2.50E-07	3.13E-08	8.92E-08	1.20E-07
2197	437771.58	3762660.59	3.93E-07	1.24E-06	1.63E-06	6.10E-08	2.02E-07	2.63E-07	3.29E-08	9.37E-08	1.27E-07
2198	437775.09	3762669.09	4.12E-07	1.30E-06	1.71E-06	6.41E-08	2.12E-07	2.76E-07	3.45E-08	9.84E-08	1.33E-07
2199	437778.6	3762677.58	4.32E-07	1.36E-06	1.79E-06	6.71E-08	2.22E-07	2.89E-07	3.62E-08	1.03E-07	1.39E-07
2200	437546.73	3762479.72	1.39E-07	4.37E-07	5.76E-07	2.16E-08	7.14E-08	9.30E-08	1.16E-08	3.31E-08	4.47E-08
2201	437537.34	3762479.72	1.38E-07	4.34E-07	5.72E-07	2.14E-08	7.09E-08	9.23E-08	1.15E-08	3.29E-08	4.44E-08
2202	437527.95	3762479.72	1.37E-07	4.30E-07	5.67E-07	2.12E-08	7.02E-08	9.15E-08	1.14E-08	3.26E-08	4.40E-08
2203	437518.56	3762479.72	1.35E-07	4.26E-07	5.61E-07	2.10E-08	6.96E-08	9.06E-08	1.13E-08	3.23E-08	4.36E-08
2204	437509.16	3762479.72	1.34E-07	4.21E-07	5.55E-07	2.08E-08	6.88E-08	8.96E-08	1.12E-08	3.19E-08	4.31E-08
2205	437499.77	3762479.73	1.32E-07	4.17E-07	5.49E-07	2.06E-08	6.80E-08	8.86E-08	1.11E-08	3.16E-08	4.26E-08
2206	437490.38	3762479.73	1.31E-07	4.11E-07	5.42E-07	2.03E-08	6.72E-08	8.75E-08	1.09E-08	3.12E-08	4.21E-08
2207	437480.99	3762479.73	1.29E-07	4.06E-07	5.35E-07	2.00E-08	6.64E-08	8.64E-08	1.08E-08	3.08E-08	4.16E-08
2208	437471.6	3762479.73	1.27E-07	4.01E-07	5.28E-07	1.98E-08	6.55E-08	8.52E-08	1.07E-08	3.04E-08	4.10E-08
2209	437462.21	3762479.73	1.26E-07	3.95E-07	5.21E-07	1.95E-08	6.46E-08	8.41E-08	1.05E-08	2.99E-08	4.05E-08
2210	437452.82	3762479.73	1.24E-07	3.90E-07	5.13E-07	1.92E-08	6.36E-08	8.29E-08	1.04E-08	2.95E-08	3.99E-08
2211	437443.43	3762479.73	1.22E-07	3.84E-07	5.06E-07	1.89E-08	6.27E-08	8.17E-08	1.02E-08	2.91E-08	3.93E-08
2212	437589.57	3762473.59	1.35E-07	4.26E-07	5.61E-07	2.10E-08	6.96E-08	9.06E-08	1.13E-08	3.23E-08	4.36E-08
2213	437597.93	3762477.06	1.39E-07	4.37E-07	5.76E-07	2.16E-08	7.14E-08	9.30E-08	1.16E-08	3.31E-08	4.47E-08
2214	437606.3	3762480.52	1.42E-07	4.48E-07	5.90E-07	2.21E-08	7.32E-08	9.53E-08	1.19E-08	3.40E-08	4.59E-08
2215	437614.66	3762483.99	1.46E-07	4.59E-07	6.04E-07	2.26E-08	7.49E-08	9.76E-08	1.22E-08	3.48E-08	4.70E-08
2216	437623.02	3762487.46	1.49E-07	4.69E-07	6.18E-07	2.31E-08	7.66E-08	9.98E-08	1.25E-08	3.55E-08	4.80E-08
2217	437631.39	3762490.92	1.52E-07	4.79E-07	6.31E-07	2.36E-08	7.82E-08	1.02E-07	1.27E-08	3.63E-08	4.90E-08
2218	437639.75	3762494.39	1.55E-07	4.88E-07	6.43E-07	2.41E-08	7.97E-08	1.04E-07	1.30E-08	3.70E-08	5.00E-08
2219	437656.48	3762501.33	1.60E-07	5.05E-07	6.65E-07	2.49E-08	8.25E-08	1.07E-07	1.34E-08	3.83E-08	5.17E-08
2220	437664.84	3762504.79	1.63E-07	5.13E-07	6.75E-07	2.53E-08	8.37E-08	1.09E-07	1.36E-08	3.88E-08	5.25E-08
2221	437673.21	3762508.26	1.65E-07	5.20E-07	6.85E-07	2.56E-08	8.49E-08	1.11E-07	1.38E-08	3.94E-08	5.32E-08
2222	437681.57	3762511.73	1.67E-07	5.26E-07	6.93E-07	2.60E-08	8.59E-08	1.12E-07	1.40E-08	3.99E-08	5.39E-08
2223	437689.93	3762515.19	1.69E-07	5.32E-07	7.01E-07	2.62E-08	8.69E-08	1.13E-07	1.41E-08	4.03E-08	5.44E-08
2224	437698.3	3762518.66	1.71E-07	5.37E-07	7.08E-07	2.65E-08	8.77E-08	1.14E-07	1.43E-08	4.07E-08	5.50E-08
2225	437706.66	3762522.13	1.72E-07	5.42E-07	7.14E-07	2.67E-08	8.85E-08	1.15E-07	1.44E-08	4.10E-08	5.54E-08
2226	437723.39	3762529.06	1.74E-07	5.49E-07	7.23E-07	2.71E-08	8.96E-08	1.17E-07	1.46E-08	4.16E-08	5.62E-08
2227	437731.75	3762532.53	1.75E-07	5.51E-07	7.26E-07	2.72E-08	9.01E-08	1.17E-07	1.47E-08	4.18E-08	5.64E-08
2228	437743.57	3762544.37	1.84E-07	5.80E-07	7.65E-07	2.86E-08	9.48E-08	1.23E-07	1.54E-08	4.40E-08	5.94E-08
2229	437747.02	3762552.73	1.93E-07	6.08E-07	8.02E-07	3.00E-08	9.94E-08	1.29E-07	1.62E-08	4.61E-08	6.23E-08
2230	437753.94	3762569.47	2.12E-07	6.69E-07	8.82E-07	3.30E-08	1.09E-07	1.42E-07	1.78E-08	5.07E-08	6.85E-08
2231	437760.85	3762586.21	2.34E-07	7.37E-07	9.71E-07	3.64E-08	1.20E-07	1.57E-07	1.96E-08	5.58E-08	7.54E-08
2232	437767.76	3762602.94	2.58E-07	8.13E-07	1.07E-06	4.01E-08	1.33E-07	1.73E-07	2.16E-08	6.16E-08	8.32E-08
2233	437774.67	3762619.68	2.85E-07	8.97E-07	1.18E-06	4.42E-08	1.46E-07	1.91E-07	2.38E-08	6.79E-08	9.18E-08
2234	437781.58	3762636.42	3.14E-07	9.88E-07	1.30E-06	4.87E-08	1.61E-07	2.10E-07	2.63E-08	7.48E-08	1.01E-07
2235	437788.49	3762653.15	3.45E-07	1.09E-06	1.43E-06	5.36E-08	1.77E-07	2.31E-07	2.89E-08	8.23E-08	1.11E-07
2236	437795.41	3762669.89	3.77E-07	1.19E-06	1.57E-06	5.86E-08	1.94E-07	2.53E-07	3.16E-08	9.00E-08	1.22E-07
2237	437802.32	3762686.63	4.11E-07	1.29E-06	1.70E-06	6.38E-08	2.11E-07	2.75E-07	3.44E-08	9.80E-08	1.32E-07
2238	437809.23	3762703.36	4.44E-07	1.40E-06	1.84E-06	6.89E-08	2.28E-07	2.97E-07	3.71E-08	1.06E-07	1.43E-07
2239	437546.73	3762459.72	1.20E-07	3.77E-07	4.97E-07	1.86E-08	6.16E-08	8.02E-08	1.00E-08	2.86E-08	3.86E-08
2240	437537.34	3762459.72	1.19E-07	3.74E-07	4.93E-07	1.85E-08	6.11E-08	7.96E-08	9.94E-09	2.83E-08	3.83E-08
2241	437527.94	3762459.72	1.18E-07	3.71E-07	4.88E-07	1.83E-08	6.06E-08	7.89E-08	9.85E-09	2.81E-08	3.79E-08
2242	437518.55	3762459.72	1.17E-07	3.67E-07	4.84E-07	1.81E-08	6.00E-08	7.81E-08	9.76E-09	2.78E-08	3.76E-08
2243	437509.16	3762459.72	1.15E-07	3.63E-07	4.78E-07	1.79E-08	5.93E-08	7.72E-08	9.65E-09	2.75E-08	3.72E-08
2244	437499.77	3762459.73	1.14E-07	3.59E-07	4.73E-07	1.77E-08	5.86E-08	7.64E-08	9.54E-09	2.72E-08	3.67E-08
2245	437490.38	3762459.73	1.13E-07	3.55E-07	4.67E-07	1.75E-08	5.79E-08	7.54E-08	9.43E-09	2.69E-08	3.63E-08
2246	437480.99	3762459.73	1.11E-07	3.50E-07	4.62E-07	1.73E-08	5.72E-08	7.45E-08	9.31E-09	2.65E-08	3.59E-08
2247	437471.6	3762459.73	1.10E-07	3.46E-07	4.56E-07	1.71E-08	5.65E-08	7.35E-08	9.19E-09	2.62E-08	3.54E-08
2248	437462.21	3762459.73	1.08E-07	3.41E-07	4.50E-07	1.68E-08	5.57E-08	7.26E-08	9.07E-09	2.59E-08	3.49E-08
2249	437452.82	3762459.73	1.07E-07	3.37E-07	4.43E-07	1.66E-08	5.50E-08	7.16E-08	8.95E-09	2.55E-08	3.45E-08
2250	437443.43	3762459.73	1.05E-07	3.32E-07	4.37E-07	1.64E-08	5.42E-08	7.06E-08	8.82E-09	2.52E-08	3.40E-08
2251	437581.96	3762450.43	1.15E-07	3.61E-07	4.76E-07	1.78E-08	5.90E-08	7.68E-08	9.60E-09	2.74E-08	3.70E-08
2252	437590.58	3762454.01	1.18E-07	3.71E-07	4.89E-07	1.83E-08	6.07E-08	7.90E-08	9.87E-09	2.81E-08	3.80E-08
2253	437599.19	3762457.58	1.21E-07	3.81E-07	5.02E-07	1.88E-08	6.23E-08	8.11E-08	1.01E-08	2.89E-08	3.90E-08

2254	437607.81	3762461.15	1.24E-07	3.91E-07	5.15E-07	1.93E-08	6.39E-08	8.31E-08	1.04E-08	2.96E-08	4.00E-08
2255	437616.42	3762464.72	1.27E-07	4.00E-07	5.27E-07	1.98E-08	6.54E-08	8.52E-08	1.06E-08	3.03E-08	4.10E-08
2256	437625.04	3762468.29	1.30E-07	4.10E-07	5.40E-07	2.02E-08	6.69E-08	8.71E-08	1.09E-08	3.10E-08	4.19E-08
2257	437633.65	3762471.86	1.33E-07	4.18E-07	5.51E-07	2.06E-08	6.83E-08	8.90E-08	1.11E-08	3.17E-08	4.28E-08
2258	437642.27	3762475.44	1.36E-07	4.27E-07	5.62E-07	2.11E-08	6.97E-08	9.08E-08	1.13E-08	3.23E-08	4.37E-08
2259	437650.88	3762479.01	1.38E-07	4.35E-07	5.73E-07	2.14E-08	7.10E-08	9.25E-08	1.16E-08	3.29E-08	4.45E-08
2260	437659.5	3762482.58	1.40E-07	4.42E-07	5.83E-07	2.18E-08	7.22E-08	9.41E-08	1.18E-08	3.35E-08	4.53E-08
2261	437668.11	3762486.15	1.43E-07	4.49E-07	5.92E-07	2.22E-08	7.34E-08	9.55E-08	1.19E-08	3.40E-08	4.60E-08
2262	437676.73	3762489.72	1.45E-07	4.56E-07	6.00E-07	2.25E-08	7.44E-08	9.69E-08	1.21E-08	3.45E-08	4.66E-08
2263	437685.34	3762493.29	1.47E-07	4.62E-07	6.08E-07	2.28E-08	7.54E-08	9.82E-08	1.23E-08	3.50E-08	4.73E-08
2264	437693.96	3762496.86	1.48E-07	4.67E-07	6.15E-07	2.30E-08	7.63E-08	9.94E-08	1.24E-08	3.54E-08	4.78E-08
2265	437702.57	3762500.44	1.50E-07	4.72E-07	6.22E-07	2.33E-08	7.71E-08	1.00E-07	1.25E-08	3.58E-08	4.83E-08
2266	437711.19	3762504.01	1.51E-07	4.76E-07	6.28E-07	2.35E-08	7.78E-08	1.01E-07	1.27E-08	3.61E-08	4.88E-08
2267	437719.8	3762507.58	1.52E-07	4.80E-07	6.33E-07	2.37E-08	7.84E-08	1.02E-07	1.28E-08	3.64E-08	4.91E-08
2268	437728.42	3762511.15	1.53E-07	4.83E-07	6.37E-07	2.38E-08	7.90E-08	1.03E-07	1.28E-08	3.66E-08	4.95E-08
2269	437737.03	3762514.72	1.54E-07	4.86E-07	6.40E-07	2.40E-08	7.94E-08	1.03E-07	1.29E-08	3.68E-08	4.97E-08
2270	437745.65	3762518.29	1.55E-07	4.88E-07	6.43E-07	2.41E-08	7.98E-08	1.04E-07	1.30E-08	3.70E-08	5.00E-08
2271	437757.82	3762530.49	1.63E-07	5.13E-07	6.76E-07	2.53E-08	8.38E-08	1.09E-07	1.36E-08	3.89E-08	5.25E-08
2272	437761.38	3762539.11	1.71E-07	5.37E-07	7.08E-07	2.65E-08	8.78E-08	1.14E-07	1.43E-08	4.07E-08	5.50E-08
2273	437764.94	3762547.73	1.79E-07	5.63E-07	7.41E-07	2.78E-08	9.19E-08	1.20E-07	1.50E-08	4.26E-08	5.76E-08
2274	437768.5	3762556.35	1.87E-07	5.89E-07	7.76E-07	2.91E-08	9.63E-08	1.25E-07	1.57E-08	4.46E-08	6.03E-08
2275	437772.06	3762564.97	1.96E-07	6.17E-07	8.13E-07	3.05E-08	1.01E-07	1.31E-07	1.64E-08	4.68E-08	6.32E-08
2276	437775.62	3762573.59	2.05E-07	6.47E-07	8.52E-07	3.19E-08	1.06E-07	1.38E-07	1.72E-08	4.90E-08	6.62E-08
2277	437779.18	3762582.21	2.15E-07	6.78E-07	8.93E-07	3.35E-08	1.11E-07	1.44E-07	1.80E-08	5.14E-08	6.94E-08
2278	437782.74	3762590.83	2.26E-07	7.11E-07	9.37E-07	3.51E-08	1.16E-07	1.51E-07	1.89E-08	5.39E-08	7.28E-08
2279	437786.3	3762599.45	2.37E-07	7.46E-07	9.82E-07	3.68E-08	1.22E-07	1.59E-07	1.98E-08	5.65E-08	7.63E-08
2280	437789.86	3762608.07	2.48E-07	7.82E-07	1.03E-06	3.86E-08	1.28E-07	1.66E-07	2.08E-08	5.93E-08	8.00E-08
2281	437793.42	3762616.69	2.60E-07	8.20E-07	1.08E-06	4.05E-08	1.34E-07	1.74E-07	2.18E-08	6.21E-08	8.39E-08
2282	437796.98	3762625.31	2.73E-07	8.59E-07	1.13E-06	4.24E-08	1.40E-07	1.83E-07	2.28E-08	6.51E-08	8.80E-08
2283	437800.54	3762633.93	2.86E-07	9.00E-07	1.19E-06	4.44E-08	1.47E-07	1.92E-07	2.39E-08	6.82E-08	9.22E-08
2284	437804.1	3762642.55	3.00E-07	9.43E-07	1.24E-06	4.65E-08	1.54E-07	2.01E-07	2.51E-08	7.15E-08	9.65E-08
2285	437807.66	3762651.17	3.14E-07	9.87E-07	1.30E-06	4.87E-08	1.61E-07	2.10E-07	2.62E-08	7.48E-08	1.01E-07
2286	437811.22	3762659.79	3.28E-07	1.03E-06	1.36E-06	5.09E-08	1.69E-07	2.20E-07	2.74E-08	7.82E-08	1.06E-07
2287	437814.78	3762668.41	3.42E-07	1.08E-06	1.42E-06	5.32E-08	1.76E-07	2.29E-07	2.87E-08	8.17E-08	1.10E-07
2288	437818.34	3762677.03	3.57E-07	1.12E-06	1.48E-06	5.55E-08	1.84E-07	2.39E-07	2.99E-08	8.52E-08	1.15E-07
2289	437821.9	3762685.65	3.72E-07	1.17E-06	1.54E-06	5.78E-08	1.91E-07	2.49E-07	3.11E-08	8.87E-08	1.20E-07
2290	437825.46	3762694.27	3.86E-07	1.22E-06	1.60E-06	6.00E-08	1.99E-07	2.59E-07	3.23E-08	9.22E-08	1.25E-07
2291	437829.02	3762702.89	4.00E-07	1.26E-06	1.66E-06	6.22E-08	2.06E-07	2.68E-07	3.35E-08	9.56E-08	1.29E-07
2292	437832.58	3762711.51	4.14E-07	1.30E-06	1.72E-06	6.44E-08	2.13E-07	2.78E-07	3.47E-08	9.89E-08	1.34E-07
2293	437546.72	3762439.72	1.04E-07	3.28E-07	4.33E-07	1.62E-08	5.36E-08	6.99E-08	8.73E-09	2.49E-08	3.36E-08
2294	437537.33	3762439.72	1.03E-07	3.26E-07	4.29E-07	1.61E-08	5.32E-08	6.93E-08	8.65E-09	2.47E-08	3.33E-08
2295	437527.94	3762439.72	1.02E-07	3.23E-07	4.25E-07	1.59E-08	5.27E-08	6.86E-08	8.57E-09	2.44E-08	3.30E-08
2296	437518.55	3762439.72	1.01E-07	3.19E-07	4.21E-07	1.58E-08	5.22E-08	6.79E-08	8.49E-09	2.42E-08	3.27E-08
2297	437509.16	3762439.72	1.00E-07	3.16E-07	4.16E-07	1.56E-08	5.16E-08	6.72E-08	8.40E-09	2.39E-08	3.23E-08
2298	437499.77	3762439.73	9.92E-08	3.12E-07	4.12E-07	1.54E-08	5.10E-08	6.64E-08	8.30E-09	2.37E-08	3.20E-08
2299	437490.38	3762439.73	9.80E-08	3.09E-07	4.07E-07	1.52E-08	5.04E-08	6.57E-08	8.20E-09	2.34E-08	3.16E-08
2300	437480.99	3762439.73	9.68E-08	3.05E-07	4.02E-07	1.50E-08	4.98E-08	6.49E-08	8.10E-09	2.31E-08	3.12E-08
2301	437471.6	3762439.73	9.56E-08	3.01E-07	3.97E-07	1.49E-08	4.92E-08	6.41E-08	8.00E-09	2.28E-08	3.08E-08
2302	437462.21	3762439.73	9.44E-08	2.97E-07	3.92E-07	1.47E-08	4.86E-08	6.32E-08	7.90E-09	2.25E-08	3.04E-08
2303	437452.82	3762439.73	9.32E-08	2.93E-07	3.87E-07	1.45E-08	4.79E-08	6.24E-08	7.80E-09	2.22E-08	3.00E-08
2304	437443.43	3762439.73	9.20E-08	2.90E-07	3.82E-07	1.43E-08	4.73E-08	6.16E-08	7.70E-09	2.20E-08	2.97E-08
2305	437581.59	3762430.28	1.00E-07	3.16E-07	4.17E-07	1.56E-08	5.17E-08	6.73E-08	8.40E-09	2.40E-08	3.24E-08
2306	437590.08	3762433.8	1.03E-07	3.25E-07	4.28E-07	1.60E-08	5.30E-08	6.91E-08	8.63E-09	2.46E-08	3.32E-08
2307	437598.57	3762437.32	1.06E-07	3.33E-07	4.39E-07	1.64E-08	5.44E-08	7.09E-08	8.85E-09	2.52E-08	3.41E-08
2308	437607.07	3762440.84	1.08E-07	3.41E-07	4.50E-07	1.68E-08	5.58E-08	7.26E-08	9.08E-09	2.59E-08	3.49E-08
2309	437615.56	3762444.36	1.11E-07	3.50E-07	4.61E-07	1.72E-08	5.71E-08	7.44E-08	9.29E-09	2.65E-08	3.58E-08
2310	437624.05	3762447.88	1.14E-07	3.58E-07	4.71E-07	1.76E-08	5.84E-08	7.60E-08	9.50E-09	2.71E-08	3.66E-08
2311	437632.54	3762451.4	1.16E-07	3.65E-07	4.81E-07	1.80E-08	5.97E-08	7.77E-08	9.71E-09	2.77E-08	3.74E-08
2312	437641.03	3762454.93	1.18E-07	3.73E-07	4.91E-07	1.84E-08	6.09E-08	7.93E-08	9.90E-09	2.82E-08	3.81E-08
2313	437649.53	3762458.45	1.21E-07	3.80E-07	5.00E-07	1.87E-08	6.20E-08	8.08E-08	1.01E-08	2.88E-08	3.89E-08
2314	437658.02	3762461.97	1.23E-07	3.86E-07	5.09E-07	1.91E-08	6.31E-08	8.22E-08	1.03E-08	2.93E-08	3.96E-08

2315	437666.51	3762465.49	1.25E-07	3.93E-07	5.18E-07	1.94E-08	6.42E-08	8.36E-08	1.04E-08	2.98E-08	4.02E-08
2316	437675	3762469.01	1.27E-07	3.99E-07	5.26E-07	1.97E-08	6.52E-08	8.48E-08	1.06E-08	3.02E-08	4.08E-08
2317	437683.5	3762472.53	1.28E-07	4.04E-07	5.33E-07	2.00E-08	6.61E-08	8.60E-08	1.07E-08	3.06E-08	4.14E-08
2318	437691.99	3762476.05	1.30E-07	4.10E-07	5.40E-07	2.02E-08	6.69E-08	8.71E-08	1.09E-08	3.10E-08	4.19E-08
2319	437700.48	3762479.57	1.32E-07	4.14E-07	5.46E-07	2.04E-08	6.77E-08	8.81E-08	1.10E-08	3.14E-08	4.24E-08
2320	437708.97	3762483.09	1.33E-07	4.19E-07	5.52E-07	2.07E-08	6.84E-08	8.91E-08	1.11E-08	3.17E-08	4.29E-08
2321	437717.46	3762486.61	1.34E-07	4.23E-07	5.57E-07	2.09E-08	6.90E-08	8.99E-08	1.12E-08	3.20E-08	4.33E-08
2322	437725.96	3762490.13	1.35E-07	4.26E-07	5.61E-07	2.10E-08	6.96E-08	9.06E-08	1.13E-08	3.23E-08	4.36E-08
2323	437734.45	3762493.65	1.36E-07	4.29E-07	5.65E-07	2.12E-08	7.01E-08	9.13E-08	1.14E-08	3.25E-08	4.39E-08
2324	437742.94	3762497.17	1.37E-07	4.32E-07	5.69E-07	2.13E-08	7.05E-08	9.18E-08	1.15E-08	3.27E-08	4.42E-08
2325	437751.43	3762500.69	1.38E-07	4.34E-07	5.72E-07	2.14E-08	7.09E-08	9.23E-08	1.15E-08	3.29E-08	4.44E-08
2326	437759.92	3762504.21	1.38E-07	4.36E-07	5.74E-07	2.15E-08	7.12E-08	9.26E-08	1.16E-08	3.30E-08	4.46E-08
2327	437771.93	3762516.23	1.45E-07	4.56E-07	6.01E-07	2.25E-08	7.45E-08	9.70E-08	1.21E-08	3.46E-08	4.67E-08
2328	437775.43	3762524.73	1.51E-07	4.76E-07	6.27E-07	2.35E-08	7.78E-08	1.01E-07	1.27E-08	3.61E-08	4.87E-08
2329	437778.94	3762533.22	1.58E-07	4.97E-07	6.55E-07	2.45E-08	8.12E-08	1.06E-07	1.32E-08	3.77E-08	5.09E-08
2330	437782.45	3762541.72	1.65E-07	5.19E-07	6.83E-07	2.56E-08	8.47E-08	1.10E-07	1.38E-08	3.93E-08	5.31E-08
2331	437785.96	3762550.22	1.72E-07	5.42E-07	7.14E-07	2.67E-08	8.85E-08	1.15E-07	1.44E-08	4.10E-08	5.54E-08
2332	437789.47	3762558.71	1.80E-07	5.66E-07	7.45E-07	2.79E-08	9.24E-08	1.20E-07	1.50E-08	4.29E-08	5.79E-08
2333	437792.98	3762567.21	1.88E-07	5.91E-07	7.79E-07	2.92E-08	9.65E-08	1.26E-07	1.57E-08	4.48E-08	6.05E-08
2334	437796.49	3762575.71	1.96E-07	6.18E-07	8.14E-07	3.05E-08	1.01E-07	1.31E-07	1.64E-08	4.68E-08	6.32E-08
2335	437800	3762584.21	2.05E-07	6.46E-07	8.51E-07	3.19E-08	1.05E-07	1.37E-07	1.72E-08	4.89E-08	6.61E-08
2336	437803.51	3762592.7	2.14E-07	6.75E-07	8.89E-07	3.33E-08	1.10E-07	1.44E-07	1.79E-08	5.11E-08	6.91E-08
2337	437807.02	3762601.2	2.24E-07	7.05E-07	9.29E-07	3.48E-08	1.15E-07	1.50E-07	1.87E-08	5.34E-08	7.22E-08
2338	437810.52	3762609.7	2.34E-07	7.37E-07	9.71E-07	3.64E-08	1.20E-07	1.57E-07	1.96E-08	5.59E-08	7.55E-08
2339	437814.03	3762618.19	2.45E-07	7.70E-07	1.01E-06	3.80E-08	1.26E-07	1.64E-07	2.05E-08	5.84E-08	7.88E-08
2340	437817.54	3762626.69	2.55E-07	8.04E-07	1.06E-06	3.97E-08	1.31E-07	1.71E-07	2.14E-08	6.09E-08	8.23E-08
2341	437821.05	3762635.19	2.67E-07	8.40E-07	1.11E-06	4.14E-08	1.37E-07	1.79E-07	2.23E-08	6.36E-08	8.60E-08
2342	437824.56	3762643.68	2.78E-07	8.77E-07	1.16E-06	4.33E-08	1.43E-07	1.87E-07	2.33E-08	6.65E-08	8.98E-08
2343	437828.07	3762652.18	2.90E-07	9.15E-07	1.21E-06	4.51E-08	1.49E-07	1.95E-07	2.43E-08	6.93E-08	9.36E-08
2344	437831.58	3762660.68	3.03E-07	9.53E-07	1.26E-06	4.70E-08	1.56E-07	2.03E-07	2.53E-08	7.22E-08	9.76E-08
2345	437835.09	3762669.18	3.15E-07	9.92E-07	1.31E-06	4.90E-08	1.62E-07	2.11E-07	2.64E-08	7.52E-08	1.02E-07
2346	437838.6	3762677.67	3.27E-07	1.03E-06	1.36E-06	5.09E-08	1.68E-07	2.19E-07	2.74E-08	7.81E-08	1.06E-07
2347	437842.1	3762686.17	3.40E-07	1.07E-06	1.41E-06	5.28E-08	1.75E-07	2.28E-07	2.85E-08	8.11E-08	1.10E-07
2348	437845.61	3762694.67	3.52E-07	1.11E-06	1.46E-06	5.47E-08	1.81E-07	2.36E-07	2.95E-08	8.40E-08	1.14E-07
2349	437849.12	3762703.16	3.64E-07	1.15E-06	1.51E-06	5.66E-08	1.87E-07	2.44E-07	3.05E-08	8.69E-08	1.17E-07
2350	437852.63	3762711.66	3.76E-07	1.18E-06	1.56E-06	5.84E-08	1.93E-07	2.52E-07	3.15E-08	8.97E-08	1.21E-07
2351	437546.72	3762419.72	9.15E-08	2.88E-07	3.80E-07	1.42E-08	4.71E-08	6.13E-08	7.66E-09	2.18E-08	2.95E-08
2352	437537.33	3762419.72	9.07E-08	2.86E-07	3.76E-07	1.41E-08	4.67E-08	6.08E-08	7.59E-09	2.16E-08	2.92E-08
2353	437527.94	3762419.72	8.99E-08	2.83E-07	3.73E-07	1.40E-08	4.62E-08	6.02E-08	7.52E-09	2.14E-08	2.90E-08
2354	437518.55	3762419.72	8.89E-08	2.80E-07	3.69E-07	1.38E-08	4.58E-08	5.96E-08	7.45E-09	2.12E-08	2.87E-08
2355	437509.16	3762419.72	8.80E-08	2.77E-07	3.65E-07	1.37E-08	4.53E-08	5.89E-08	7.37E-09	2.10E-08	2.84E-08
2356	437499.77	3762419.73	8.70E-08	2.74E-07	3.61E-07	1.35E-08	4.48E-08	5.83E-08	7.28E-09	2.08E-08	2.81E-08
2357	437490.38	3762419.73	8.60E-08	2.71E-07	3.57E-07	1.34E-08	4.43E-08	5.76E-08	7.20E-09	2.05E-08	2.77E-08
2358	437480.99	3762419.73	8.50E-08	2.68E-07	3.53E-07	1.32E-08	4.37E-08	5.69E-08	7.11E-09	2.03E-08	2.74E-08
2359	437471.6	3762419.73	8.40E-08	2.64E-07	3.48E-07	1.30E-08	4.32E-08	5.63E-08	7.03E-09	2.00E-08	2.71E-08
2360	437462.21	3762419.73	8.30E-08	2.61E-07	3.44E-07	1.29E-08	4.27E-08	5.56E-08	6.94E-09	1.98E-08	2.67E-08
2361	437452.81	3762419.73	8.19E-08	2.58E-07	3.40E-07	1.27E-08	4.22E-08	5.49E-08	6.86E-09	1.96E-08	2.64E-08
2362	437443.42	3762419.73	8.09E-08	2.55E-07	3.36E-07	1.26E-08	4.16E-08	5.42E-08	6.77E-09	1.93E-08	2.61E-08
2363	437582.06	3762400.48	8.36E-08	2.63E-07	3.47E-07	1.30E-08	4.30E-08	5.60E-08	7.00E-09	1.99E-08	2.69E-08
2364	437590.71	3762404.06	8.58E-08	2.70E-07	3.56E-07	1.33E-08	4.41E-08	5.75E-08	7.18E-09	2.05E-08	2.77E-08
2365	437599.36	3762407.65	8.80E-08	2.77E-07	3.65E-07	1.37E-08	4.53E-08	5.89E-08	7.37E-09	2.10E-08	2.84E-08
2366	437608.01	3762411.23	9.02E-08	2.84E-07	3.74E-07	1.40E-08	4.64E-08	6.04E-08	7.55E-09	2.15E-08	2.91E-08
2367	437616.66	3762414.82	9.23E-08	2.91E-07	3.83E-07	1.43E-08	4.75E-08	6.19E-08	7.73E-09	2.20E-08	2.98E-08
2368	437625.31	3762418.41	9.45E-08	2.97E-07	3.92E-07	1.47E-08	4.86E-08	6.33E-08	7.91E-09	2.25E-08	3.04E-08
2369	437633.96	3762421.99	9.65E-08	3.04E-07	4.00E-07	1.50E-08	4.97E-08	6.47E-08	8.08E-09	2.30E-08	3.11E-08
2370	437642.6	3762425.58	9.85E-08	3.10E-07	4.09E-07	1.53E-08	5.07E-08	6.60E-08	8.25E-09	2.35E-08	3.18E-08
2371	437651.25	3762429.16	1.00E-07	3.16E-07	4.17E-07	1.56E-08	5.17E-08	6.73E-08	8.41E-09	2.40E-08	3.24E-08
2372	437659.9	3762432.75	1.02E-07	3.22E-07	4.24E-07	1.59E-08	5.26E-08	6.85E-08	8.56E-09	2.44E-08	3.30E-08
2373	437668.55	3762436.33	1.04E-07	3.28E-07	4.32E-07	1.62E-08	5.35E-08	6.97E-08	8.71E-09	2.48E-08	3.35E-08
2374	437677.2	3762439.92	1.06E-07	3.33E-07	4.39E-07	1.64E-08	5.44E-08	7.08E-08	8.85E-09	2.52E-08	3.41E-08
2375	437685.85	3762443.51	1.07E-07	3.38E-07	4.45E-07	1.67E-08	5.52E-08	7.19E-08	8.98E-09	2.56E-08	3.46E-08

2376	437694.5	3762447.09	1.09E-07	3.43E-07	4.51E-07	1.69E-08	5.60E-08	7.29E-08	9.11E-09	2.60E-08	3.51E-08
2377	437703.15	3762450.68	1.10E-07	3.47E-07	4.57E-07	1.71E-08	5.67E-08	7.38E-08	9.22E-09	2.63E-08	3.55E-08
2378	437711.8	3762454.26	1.11E-07	3.51E-07	4.62E-07	1.73E-08	5.73E-08	7.47E-08	9.33E-09	2.66E-08	3.59E-08
2379	437720.45	3762457.85	1.13E-07	3.55E-07	4.67E-07	1.75E-08	5.79E-08	7.55E-08	9.43E-09	2.69E-08	3.63E-08
2380	437729.1	3762461.43	1.14E-07	3.58E-07	4.72E-07	1.77E-08	5.85E-08	7.62E-08	9.52E-09	2.71E-08	3.66E-08
2381	437737.75	3762465.02	1.15E-07	3.61E-07	4.76E-07	1.78E-08	5.90E-08	7.68E-08	9.60E-09	2.74E-08	3.70E-08
2382	437746.4	3762468.61	1.16E-07	3.64E-07	4.79E-07	1.79E-08	5.94E-08	7.74E-08	9.67E-09	2.76E-08	3.72E-08
2383	437755.05	3762472.19	1.16E-07	3.66E-07	4.82E-07	1.81E-08	5.98E-08	7.79E-08	9.73E-09	2.77E-08	3.75E-08
2384	437763.7	3762475.78	1.17E-07	3.68E-07	4.85E-07	1.82E-08	6.01E-08	7.83E-08	9.78E-09	2.79E-08	3.77E-08
2385	437772.35	3762479.36	1.17E-07	3.70E-07	4.87E-07	1.82E-08	6.04E-08	7.87E-08	9.83E-09	2.80E-08	3.79E-08
2386	437781	3762482.95	1.18E-07	3.71E-07	4.89E-07	1.83E-08	6.07E-08	7.90E-08	9.87E-09	2.81E-08	3.80E-08
2387	437793.22	3762495.19	1.23E-07	3.88E-07	5.11E-07	1.91E-08	6.33E-08	8.25E-08	1.03E-08	2.94E-08	3.97E-08
2388	437796.79	3762503.84	1.28E-07	4.03E-07	5.32E-07	1.99E-08	6.59E-08	8.58E-08	1.07E-08	3.06E-08	4.13E-08
2389	437800.37	3762512.5	1.33E-07	4.20E-07	5.53E-07	2.07E-08	6.86E-08	8.93E-08	1.12E-08	3.18E-08	4.30E-08
2390	437803.94	3762521.15	1.39E-07	4.37E-07	5.76E-07	2.16E-08	7.14E-08	9.30E-08	1.16E-08	3.31E-08	4.48E-08
2391	437807.51	3762529.81	1.45E-07	4.55E-07	6.00E-07	2.25E-08	7.44E-08	9.68E-08	1.21E-08	3.45E-08	4.66E-08
2392	437811.09	3762538.46	1.51E-07	4.74E-07	6.25E-07	2.34E-08	7.75E-08	1.01E-07	1.26E-08	3.59E-08	4.85E-08
2393	437814.66	3762547.11	1.57E-07	4.94E-07	6.51E-07	2.44E-08	8.07E-08	1.05E-07	1.31E-08	3.74E-08	5.06E-08
2394	437818.24	3762555.77	1.64E-07	5.15E-07	6.78E-07	2.54E-08	8.41E-08	1.10E-07	1.37E-08	3.90E-08	5.27E-08
2395	437821.81	3762564.42	1.70E-07	5.37E-07	7.07E-07	2.65E-08	8.77E-08	1.14E-07	1.43E-08	4.07E-08	5.50E-08
2396	437825.38	3762573.08	1.78E-07	5.60E-07	7.38E-07	2.76E-08	9.15E-08	1.19E-07	1.49E-08	4.24E-08	5.73E-08
2397	437828.96	3762581.73	1.85E-07	5.84E-07	7.69E-07	2.88E-08	9.54E-08	1.24E-07	1.55E-08	4.42E-08	5.98E-08
2398	437832.53	3762590.39	1.93E-07	6.09E-07	8.02E-07	3.00E-08	9.95E-08	1.29E-07	1.62E-08	4.61E-08	6.23E-08
2399	437836.11	3762599.04	2.02E-07	6.35E-07	8.36E-07	3.13E-08	1.04E-07	1.35E-07	1.69E-08	4.81E-08	6.50E-08
2400	437839.68	3762607.69	2.10E-07	6.62E-07	8.72E-07	3.26E-08	1.08E-07	1.41E-07	1.76E-08	5.01E-08	6.77E-08
2401	437843.25	3762616.35	2.19E-07	6.90E-07	9.09E-07	3.40E-08	1.13E-07	1.47E-07	1.83E-08	5.23E-08	7.06E-08
2402	437846.83	3762625	2.28E-07	7.19E-07	9.47E-07	3.55E-08	1.17E-07	1.53E-07	1.91E-08	5.45E-08	7.36E-08
2403	437850.4	3762633.66	2.38E-07	7.48E-07	9.86E-07	3.69E-08	1.22E-07	1.59E-07	1.99E-08	5.67E-08	7.66E-08
2404	437853.97	3762642.31	2.47E-07	7.79E-07	1.03E-06	3.84E-08	1.27E-07	1.66E-07	2.07E-08	5.90E-08	7.97E-08
2405	437857.55	3762650.97	2.57E-07	8.10E-07	1.07E-06	4.00E-08	1.32E-07	1.72E-07	2.15E-08	6.14E-08	8.29E-08
2406	437861.12	3762659.62	2.67E-07	8.41E-07	1.11E-06	4.15E-08	1.37E-07	1.79E-07	2.24E-08	6.37E-08	8.61E-08
2407	437864.7	3762668.27	2.77E-07	8.73E-07	1.15E-06	4.31E-08	1.43E-07	1.86E-07	2.32E-08	6.62E-08	8.94E-08
2408	437868.27	3762676.93	2.88E-07	9.06E-07	1.19E-06	4.47E-08	1.48E-07	1.93E-07	2.41E-08	6.86E-08	9.27E-08
2409	437871.84	3762685.58	2.98E-07	9.38E-07	1.24E-06	4.63E-08	1.53E-07	1.99E-07	2.49E-08	7.11E-08	9.60E-08
2410	437875.42	3762694.24	3.08E-07	9.69E-07	1.28E-06	4.78E-08	1.58E-07	2.06E-07	2.58E-08	7.35E-08	9.92E-08
2411	437878.99	3762702.89	3.18E-07	1.00E-06	1.32E-06	4.94E-08	1.63E-07	2.13E-07	2.66E-08	7.58E-08	1.02E-07
2412	437882.57	3762711.55	3.27E-07	1.03E-06	1.36E-06	5.09E-08	1.68E-07	2.19E-07	2.74E-08	7.81E-08	1.06E-07
2413	437546.72	3762389.72	7.63E-08	2.40E-07	3.17E-07	1.19E-08	3.92E-08	5.11E-08	6.39E-09	1.82E-08	2.46E-08
2414	437537.33	3762389.72	7.56E-08	2.38E-07	3.14E-07	1.17E-08	3.89E-08	5.06E-08	6.33E-09	1.80E-08	2.44E-08
2415	437527.94	3762389.72	7.49E-08	2.36E-07	3.11E-07	1.16E-08	3.85E-08	5.01E-08	6.27E-09	1.79E-08	2.41E-08
2416	437518.55	3762389.72	7.41E-08	2.33E-07	3.07E-07	1.15E-08	3.81E-08	4.96E-08	6.20E-09	1.77E-08	2.39E-08
2417	437509.16	3762389.72	7.33E-08	2.31E-07	3.04E-07	1.14E-08	3.77E-08	4.91E-08	6.14E-09	1.75E-08	2.36E-08
2418	437499.77	3762389.73	7.25E-08	2.28E-07	3.01E-07	1.13E-08	3.73E-08	4.86E-08	6.07E-09	1.73E-08	2.34E-08
2419	437490.37	3762389.73	7.17E-08	2.26E-07	2.98E-07	1.11E-08	3.69E-08	4.80E-08	6.00E-09	1.71E-08	2.31E-08
2420	437480.98	3762389.73	7.09E-08	2.23E-07	2.94E-07	1.10E-08	3.65E-08	4.75E-08	5.93E-09	1.69E-08	2.29E-08
2421	437471.59	3762389.73	7.01E-08	2.21E-07	2.91E-07	1.09E-08	3.61E-08	4.69E-08	5.87E-09	1.67E-08	2.26E-08
2422	437462.2	3762389.73	6.93E-08	2.18E-07	2.87E-07	1.08E-08	3.56E-08	4.64E-08	5.80E-09	1.65E-08	2.23E-08
2423	437452.81	3762389.73	6.85E-08	2.16E-07	2.84E-07	1.06E-08	3.52E-08	4.59E-08	5.73E-09	1.63E-08	2.21E-08
2424	437443.42	3762389.73	6.77E-08	2.13E-07	2.81E-07	1.05E-08	3.48E-08	4.53E-08	5.66E-09	1.62E-08	2.18E-08
2425	437581.58	3762370.28	7.04E-08	2.22E-07	2.92E-07	1.09E-08	3.62E-08	4.71E-08	5.89E-09	1.68E-08	2.27E-08
2426	437590.08	3762373.8	7.21E-08	2.27E-07	2.99E-07	1.12E-08	3.71E-08	4.83E-08	6.04E-09	1.72E-08	2.32E-08
2427	437598.57	3762377.32	7.39E-08	2.33E-07	3.07E-07	1.15E-08	3.80E-08	4.95E-08	6.19E-09	1.76E-08	2.38E-08
2428	437607.06	3762380.84	7.57E-08	2.38E-07	3.14E-07	1.18E-08	3.89E-08	5.07E-08	6.33E-09	1.81E-08	2.44E-08
2429	437615.55	3762384.36	7.74E-08	2.44E-07	3.21E-07	1.20E-08	3.98E-08	5.19E-08	6.48E-09	1.85E-08	2.50E-08
2430	437624.05	3762387.88	7.91E-08	2.49E-07	3.28E-07	1.23E-08	4.07E-08	5.30E-08	6.62E-09	1.89E-08	2.55E-08
2431	437632.54	3762391.4	8.08E-08	2.55E-07	3.35E-07	1.26E-08	4.16E-08	5.42E-08	6.77E-09	1.93E-08	2.61E-08
2432	437641.03	3762394.93	8.25E-08	2.60E-07	3.42E-07	1.28E-08	4.25E-08	5.53E-08	6.91E-09	1.97E-08	2.66E-08
2433	437649.52	3762398.45	8.41E-08	2.65E-07	3.49E-07	1.31E-08	4.33E-08	5.64E-08	7.04E-09	2.01E-08	2.71E-08
2434	437658.01	3762401.97	8.57E-08	2.70E-07	3.56E-07	1.33E-08	4.41E-08	5.74E-08	7.17E-09	2.05E-08	2.76E-08
2435	437666.51	3762405.49	8.72E-08	2.75E-07	3.62E-07	1.36E-08	4.49E-08	5.84E-08	7.30E-09	2.08E-08	2.81E-08
2436	437675	3762409.01	8.87E-08	2.79E-07	3.68E-07	1.38E-08	4.56E-08	5.94E-08	7.42E-09	2.12E-08	2.86E-08

2437	437683.49	3762412.53	9.01E-08	2.84E-07	3.74E-07	1.40E-08	4.63E-08	6.03E-08	7.54E-09	2.15E-08	2.90E-08
2438	437691.98	3762416.05	9.14E-08	2.88E-07	3.79E-07	1.42E-08	4.70E-08	6.12E-08	7.65E-09	2.18E-08	2.95E-08
2439	437700.47	3762419.57	9.27E-08	2.92E-07	3.84E-07	1.44E-08	4.77E-08	6.21E-08	7.76E-09	2.21E-08	2.99E-08
2440	437708.97	3762423.09	9.38E-08	2.96E-07	3.89E-07	1.46E-08	4.83E-08	6.29E-08	7.85E-09	2.24E-08	3.02E-08
2441	437717.46	3762426.61	9.49E-08	2.99E-07	3.94E-07	1.48E-08	4.88E-08	6.36E-08	7.95E-09	2.27E-08	3.06E-08
2442	437725.95	3762430.13	9.60E-08	3.02E-07	3.98E-07	1.49E-08	4.94E-08	6.43E-08	8.03E-09	2.29E-08	3.09E-08
2443	437734.44	3762433.65	9.69E-08	3.05E-07	4.02E-07	1.51E-08	4.99E-08	6.49E-08	8.11E-09	2.31E-08	3.12E-08
2444	437742.94	3762437.17	9.78E-08	3.08E-07	4.06E-07	1.52E-08	5.03E-08	6.55E-08	8.18E-09	2.33E-08	3.15E-08
2445	437751.43	3762440.69	9.86E-08	3.10E-07	4.09E-07	1.53E-08	5.07E-08	6.60E-08	8.25E-09	2.35E-08	3.18E-08
2446	437759.92	3762444.21	9.93E-08	3.13E-07	4.12E-07	1.54E-08	5.11E-08	6.65E-08	8.31E-09	2.37E-08	3.20E-08
2447	437768.41	3762447.73	9.99E-08	3.15E-07	4.15E-07	1.55E-08	5.14E-08	6.69E-08	8.36E-09	2.38E-08	3.22E-08
2448	437776.9	3762451.25	1.00E-07	3.16E-07	4.17E-07	1.56E-08	5.17E-08	6.73E-08	8.41E-09	2.40E-08	3.24E-08
2449	437785.4	3762454.77	1.01E-07	3.18E-07	4.19E-07	1.57E-08	5.19E-08	6.76E-08	8.45E-09	2.41E-08	3.25E-08
2450	437793.89	3762458.29	1.01E-07	3.19E-07	4.21E-07	1.58E-08	5.22E-08	6.79E-08	8.48E-09	2.42E-08	3.27E-08
2451	437802.38	3762461.82	1.02E-07	3.20E-07	4.22E-07	1.58E-08	5.23E-08	6.81E-08	8.52E-09	2.43E-08	3.28E-08
2452	437814.38	3762473.83	1.06E-07	3.33E-07	4.39E-07	1.64E-08	5.44E-08	7.09E-08	8.85E-09	2.52E-08	3.41E-08
2453	437817.89	3762482.33	1.10E-07	3.45E-07	4.55E-07	1.70E-08	5.64E-08	7.35E-08	9.18E-09	2.62E-08	3.54E-08
2454	437821.4	3762490.83	1.14E-07	3.58E-07	4.72E-07	1.77E-08	5.85E-08	7.62E-08	9.52E-09	2.71E-08	3.67E-08
2455	437824.91	3762499.32	1.18E-07	3.72E-07	4.90E-07	1.83E-08	6.07E-08	7.90E-08	9.88E-09	2.82E-08	3.80E-08
2456	437828.42	3762507.82	1.22E-07	3.85E-07	5.08E-07	1.90E-08	6.30E-08	8.20E-08	1.02E-08	2.92E-08	3.94E-08
2457	437831.93	3762516.32	1.27E-07	4.00E-07	5.27E-07	1.97E-08	6.53E-08	8.51E-08	1.06E-08	3.03E-08	4.09E-08
2458	437835.43	3762524.81	1.32E-07	4.15E-07	5.47E-07	2.05E-08	6.78E-08	8.83E-08	1.10E-08	3.14E-08	4.25E-08
2459	437838.94	3762533.31	1.37E-07	4.31E-07	5.68E-07	2.13E-08	7.04E-08	9.16E-08	1.15E-08	3.26E-08	4.41E-08
2460	437842.45	3762541.81	1.42E-07	4.47E-07	5.89E-07	2.21E-08	7.31E-08	9.52E-08	1.19E-08	3.39E-08	4.58E-08
2461	437845.96	3762550.31	1.48E-07	4.65E-07	6.12E-07	2.29E-08	7.59E-08	9.89E-08	1.24E-08	3.52E-08	4.76E-08
2462	437849.47	3762558.8	1.53E-07	4.83E-07	6.36E-07	2.38E-08	7.89E-08	1.03E-07	1.28E-08	3.66E-08	4.94E-08
2463	437852.98	3762567.3	1.59E-07	5.02E-07	6.61E-07	2.48E-08	8.20E-08	1.07E-07	1.33E-08	3.80E-08	5.14E-08
2464	437856.49	3762575.8	1.66E-07	5.22E-07	6.87E-07	2.57E-08	8.52E-08	1.11E-07	1.39E-08	3.95E-08	5.34E-08
2465	437860	3762584.29	1.72E-07	5.42E-07	7.14E-07	2.67E-08	8.85E-08	1.15E-07	1.44E-08	4.11E-08	5.55E-08
2466	437863.51	3762592.79	1.79E-07	5.63E-07	7.42E-07	2.78E-08	9.20E-08	1.20E-07	1.50E-08	4.27E-08	5.77E-08
2467	437867.01	3762601.29	1.86E-07	5.85E-07	7.71E-07	2.89E-08	9.56E-08	1.24E-07	1.56E-08	4.44E-08	5.99E-08
2468	437870.52	3762609.78	1.93E-07	6.08E-07	8.01E-07	3.00E-08	9.93E-08	1.29E-07	1.62E-08	4.61E-08	6.22E-08
2469	437874.03	3762618.28	2.00E-07	6.31E-07	8.32E-07	3.11E-08	1.03E-07	1.34E-07	1.68E-08	4.78E-08	6.46E-08
2470	437877.54	3762626.78	2.08E-07	6.55E-07	8.63E-07	3.23E-08	1.07E-07	1.39E-07	1.74E-08	4.96E-08	6.71E-08
2471	437881.05	3762635.27	2.16E-07	6.80E-07	8.95E-07	3.35E-08	1.11E-07	1.45E-07	1.81E-08	5.15E-08	6.96E-08
2472	437884.56	3762643.77	2.24E-07	7.05E-07	9.28E-07	3.48E-08	1.15E-07	1.50E-07	1.87E-08	5.34E-08	7.21E-08
2473	437888.07	3762652.27	2.32E-07	7.30E-07	9.62E-07	3.60E-08	1.19E-07	1.55E-07	1.94E-08	5.53E-08	7.47E-08
2474	437891.58	3762660.77	2.40E-07	7.55E-07	9.95E-07	3.73E-08	1.23E-07	1.61E-07	2.01E-08	5.72E-08	7.73E-08
2475	437895.09	3762669.26	2.48E-07	7.81E-07	1.03E-06	3.85E-08	1.28E-07	1.66E-07	2.08E-08	5.92E-08	8.00E-08
2476	437898.6	3762677.76	2.56E-07	8.07E-07	1.06E-06	3.98E-08	1.32E-07	1.72E-07	2.14E-08	6.11E-08	8.26E-08
2477	437902.1	3762686.26	2.64E-07	8.33E-07	1.10E-06	4.11E-08	1.36E-07	1.77E-07	2.21E-08	6.31E-08	8.52E-08
2478	437905.61	3762694.75	2.72E-07	8.58E-07	1.13E-06	4.23E-08	1.40E-07	1.82E-07	2.28E-08	6.50E-08	8.78E-08
2479	437909.12	3762703.25	2.80E-07	8.82E-07	1.16E-06	4.35E-08	1.44E-07	1.88E-07	2.35E-08	6.69E-08	9.03E-08
2480	437912.63	3762711.75	2.88E-07	9.06E-07	1.19E-06	4.47E-08	1.48E-07	1.93E-07	2.41E-08	6.87E-08	9.27E-08
2481	437546.72	3762359.72	6.45E-08	2.03E-07	2.68E-07	1.00E-08	3.32E-08	4.32E-08	5.40E-09	1.54E-08	2.08E-08
2482	437537.33	3762359.72	6.39E-08	2.01E-07	2.65E-07	9.93E-09	3.29E-08	4.28E-08	5.35E-09	1.53E-08	2.06E-08
2483	437527.94	3762359.72	6.33E-08	1.99E-07	2.63E-07	9.83E-09	3.26E-08	4.24E-08	5.30E-09	1.51E-08	2.04E-08
2484	437518.54	3762359.72	6.26E-08	1.97E-07	2.60E-07	9.73E-09	3.22E-08	4.20E-08	5.24E-09	1.49E-08	2.02E-08
2485	437509.15	3762359.72	6.20E-08	1.95E-07	2.57E-07	9.63E-09	3.19E-08	4.15E-08	5.19E-09	1.48E-08	2.00E-08
2486	437499.76	3762359.73	6.13E-08	1.93E-07	2.54E-07	9.53E-09	3.16E-08	4.11E-08	5.13E-09	1.46E-08	1.98E-08
2487	437490.37	3762359.73	6.07E-08	1.91E-07	2.52E-07	9.43E-09	3.12E-08	4.06E-08	5.08E-09	1.45E-08	1.96E-08
2488	437480.98	3762359.73	6.00E-08	1.89E-07	2.49E-07	9.32E-09	3.09E-08	4.02E-08	5.02E-09	1.43E-08	1.93E-08
2489	437471.59	3762359.73	5.93E-08	1.87E-07	2.46E-07	9.22E-09	3.05E-08	3.98E-08	4.97E-09	1.42E-08	1.91E-08
2490	437462.2	3762359.73	5.87E-08	1.85E-07	2.44E-07	9.12E-09	3.02E-08	3.93E-08	4.91E-09	1.40E-08	1.89E-08
2491	437452.81	3762359.73	5.80E-08	1.83E-07	2.41E-07	9.02E-09	2.99E-08	3.89E-08	4.86E-09	1.39E-08	1.87E-08
2492	437443.42	3762359.73	5.74E-08	1.81E-07	2.38E-07	8.92E-09	2.95E-08	3.85E-08	4.81E-09	1.37E-08	1.85E-08
2493	437581.98	3762340.45	6.01E-08	1.89E-07	2.50E-07	9.34E-09	3.09E-08	4.03E-08	5.03E-09	1.43E-08	1.94E-08
2494	437590.6	3762344.02	6.16E-08	1.94E-07	2.56E-07	9.57E-09	3.17E-08	4.13E-08	5.16E-09	1.47E-08	1.99E-08
2495	437599.23	3762347.6	6.31E-08	1.99E-07	2.62E-07	9.81E-09	3.25E-08	4.23E-08	5.28E-09	1.51E-08	2.03E-08
2496	437607.85	3762351.17	6.46E-08	2.03E-07	2.68E-07	1.00E-08	3.32E-08	4.33E-08	5.41E-09	1.54E-08	2.08E-08
2497	437616.48	3762354.75	6.61E-08	2.08E-07	2.74E-07	1.03E-08	3.40E-08	4.43E-08	5.53E-09	1.58E-08	2.13E-08

2498	437625.1	3762358.32	6.76E-08	2.13E-07	2.80E-07	1.05E-08	3.48E-08	4.52E-08	5.65E-09	1.61E-08	2.18E-08
2499	437633.73	3762361.9	6.90E-08	2.17E-07	2.86E-07	1.07E-08	3.55E-08	4.62E-08	5.77E-09	1.65E-08	2.22E-08
2500	437642.35	3762365.48	7.04E-08	2.22E-07	2.92E-07	1.09E-08	3.62E-08	4.72E-08	5.89E-09	1.68E-08	2.27E-08
2501	437650.98	3762369.05	7.18E-08	2.26E-07	2.98E-07	1.12E-08	3.69E-08	4.81E-08	6.01E-09	1.71E-08	2.31E-08
2502	437659.6	3762372.63	7.32E-08	2.30E-07	3.04E-07	1.14E-08	3.76E-08	4.90E-08	6.12E-09	1.75E-08	2.36E-08
2503	437668.23	3762376.2	7.45E-08	2.35E-07	3.09E-07	1.16E-08	3.83E-08	4.99E-08	6.24E-09	1.78E-08	2.40E-08
2504	437676.85	3762379.78	7.58E-08	2.39E-07	3.14E-07	1.18E-08	3.90E-08	5.08E-08	6.34E-09	1.81E-08	2.44E-08
2505	437685.48	3762383.35	7.70E-08	2.43E-07	3.20E-07	1.20E-08	3.96E-08	5.16E-08	6.45E-09	1.84E-08	2.48E-08
2506	437694.1	3762386.93	7.82E-08	2.46E-07	3.24E-07	1.21E-08	4.02E-08	5.24E-08	6.54E-09	1.87E-08	2.52E-08
2507	437702.73	3762390.5	7.93E-08	2.50E-07	3.29E-07	1.23E-08	4.08E-08	5.31E-08	6.64E-09	1.89E-08	2.56E-08
2508	437711.35	3762394.08	8.04E-08	2.53E-07	3.34E-07	1.25E-08	4.14E-08	5.38E-08	6.73E-09	1.92E-08	2.59E-08
2509	437719.98	3762397.66	8.14E-08	2.56E-07	3.38E-07	1.26E-08	4.19E-08	5.45E-08	6.81E-09	1.94E-08	2.62E-08
2510	437728.6	3762401.23	8.23E-08	2.59E-07	3.42E-07	1.28E-08	4.24E-08	5.52E-08	6.89E-09	1.96E-08	2.65E-08
2511	437737.23	3762404.81	8.32E-08	2.62E-07	3.45E-07	1.29E-08	4.28E-08	5.57E-08	6.97E-09	1.99E-08	2.68E-08
2512	437745.85	3762408.38	8.40E-08	2.65E-07	3.49E-07	1.31E-08	4.32E-08	5.63E-08	7.04E-09	2.01E-08	2.71E-08
2513	437754.48	3762411.96	8.48E-08	2.67E-07	3.52E-07	1.32E-08	4.36E-08	5.68E-08	7.10E-09	2.02E-08	2.73E-08
2514	437763.1	3762415.53	8.55E-08	2.69E-07	3.55E-07	1.33E-08	4.40E-08	5.73E-08	7.16E-09	2.04E-08	2.76E-08
2515	437771.73	3762419.11	8.61E-08	2.71E-07	3.57E-07	1.34E-08	4.43E-08	5.77E-08	7.21E-09	2.06E-08	2.78E-08
2516	437780.35	3762422.68	8.67E-08	2.73E-07	3.60E-07	1.35E-08	4.46E-08	5.81E-08	7.26E-09	2.07E-08	2.79E-08
2517	437788.98	3762426.26	8.72E-08	2.75E-07	3.62E-07	1.36E-08	4.49E-08	5.84E-08	7.30E-09	2.08E-08	2.81E-08
2518	437797.6	3762429.83	8.77E-08	2.76E-07	3.64E-07	1.36E-08	4.51E-08	5.87E-08	7.34E-09	2.09E-08	2.83E-08
2519	437806.23	3762433.41	8.81E-08	2.77E-07	3.65E-07	1.37E-08	4.53E-08	5.90E-08	7.37E-09	2.10E-08	2.84E-08
2520	437814.85	3762436.99	8.84E-08	2.78E-07	3.67E-07	1.37E-08	4.55E-08	5.92E-08	7.40E-09	2.11E-08	2.85E-08
2521	437823.48	3762440.56	8.87E-08	2.79E-07	3.68E-07	1.38E-08	4.56E-08	5.94E-08	7.42E-09	2.12E-08	2.86E-08
2522	437835.66	3762452.77	9.20E-08	2.90E-07	3.82E-07	1.43E-08	4.73E-08	6.16E-08	7.70E-09	2.20E-08	2.97E-08
2523	437839.23	3762461.4	9.52E-08	3.00E-07	3.95E-07	1.48E-08	4.90E-08	6.38E-08	7.97E-09	2.27E-08	3.07E-08
2524	437842.79	3762470.03	9.85E-08	3.10E-07	4.09E-07	1.53E-08	5.07E-08	6.60E-08	8.25E-09	2.35E-08	3.18E-08
2525	437846.36	3762478.66	1.02E-07	3.21E-07	4.23E-07	1.58E-08	5.25E-08	6.83E-08	8.54E-09	2.43E-08	3.29E-08
2526	437849.92	3762487.29	1.06E-07	3.32E-07	4.38E-07	1.64E-08	5.43E-08	7.07E-08	8.84E-09	2.52E-08	3.40E-08
2527	437853.48	3762495.92	1.09E-07	3.44E-07	4.54E-07	1.70E-08	5.62E-08	7.32E-08	9.15E-09	2.61E-08	3.52E-08
2528	437857.05	3762504.55	1.13E-07	3.56E-07	4.70E-07	1.76E-08	5.82E-08	7.58E-08	9.47E-09	2.70E-08	3.65E-08
2529	437860.61	3762513.17	1.17E-07	3.69E-07	4.86E-07	1.82E-08	6.03E-08	7.85E-08	9.81E-09	2.80E-08	3.78E-08
2530	437864.17	3762521.8	1.21E-07	3.83E-07	5.04E-07	1.89E-08	6.25E-08	8.14E-08	1.02E-08	2.90E-08	3.92E-08
2531	437867.74	3762530.43	1.26E-07	3.96E-07	5.22E-07	1.96E-08	6.48E-08	8.43E-08	1.05E-08	3.00E-08	4.06E-08
2532	437871.3	3762539.06	1.30E-07	4.11E-07	5.41E-07	2.03E-08	6.71E-08	8.74E-08	1.09E-08	3.11E-08	4.21E-08
2533	437874.86	3762547.69	1.35E-07	4.26E-07	5.61E-07	2.10E-08	6.96E-08	9.06E-08	1.13E-08	3.23E-08	4.36E-08
2534	437878.43	3762556.32	1.40E-07	4.42E-07	5.82E-07	2.18E-08	7.22E-08	9.40E-08	1.17E-08	3.35E-08	4.52E-08
2535	437881.99	3762564.95	1.46E-07	4.58E-07	6.04E-07	2.26E-08	7.49E-08	9.75E-08	1.22E-08	3.47E-08	4.69E-08
2536	437885.56	3762573.58	1.51E-07	4.76E-07	6.27E-07	2.35E-08	7.77E-08	1.01E-07	1.26E-08	3.60E-08	4.87E-08
2537	437889.12	3762582.21	1.57E-07	4.93E-07	6.50E-07	2.43E-08	8.06E-08	1.05E-07	1.31E-08	3.74E-08	5.05E-08
2538	437892.68	3762590.84	1.63E-07	5.12E-07	6.74E-07	2.53E-08	8.36E-08	1.09E-07	1.36E-08	3.88E-08	5.24E-08
2539	437896.25	3762599.47	1.69E-07	5.31E-07	6.99E-07	2.62E-08	8.67E-08	1.13E-07	1.41E-08	4.02E-08	5.43E-08
2540	437899.81	3762608.1	1.75E-07	5.50E-07	7.25E-07	2.72E-08	8.99E-08	1.17E-07	1.46E-08	4.17E-08	5.63E-08
2541	437903.37	3762616.73	1.81E-07	5.70E-07	7.52E-07	2.81E-08	9.32E-08	1.21E-07	1.52E-08	4.32E-08	5.84E-08
2542	437906.94	3762625.36	1.88E-07	5.91E-07	7.79E-07	2.92E-08	9.65E-08	1.26E-07	1.57E-08	4.48E-08	6.05E-08
2543	437910.5	3762633.99	1.94E-07	6.12E-07	8.06E-07	3.02E-08	1.00E-07	1.30E-07	1.63E-08	4.64E-08	6.26E-08
2544	437914.07	3762642.62	2.01E-07	6.33E-07	8.34E-07	3.12E-08	1.03E-07	1.35E-07	1.68E-08	4.80E-08	6.48E-08
2545	437917.63	3762651.25	2.08E-07	6.55E-07	8.62E-07	3.23E-08	1.07E-07	1.39E-07	1.74E-08	4.96E-08	6.70E-08
2546	437921.19	3762659.88	2.15E-07	6.76E-07	8.91E-07	3.34E-08	1.10E-07	1.44E-07	1.80E-08	5.12E-08	6.92E-08
2547	437924.76	3762668.51	2.22E-07	6.98E-07	9.19E-07	3.44E-08	1.14E-07	1.48E-07	1.85E-08	5.29E-08	7.14E-08
2548	437928.32	3762677.14	2.28E-07	7.19E-07	9.47E-07	3.55E-08	1.17E-07	1.53E-07	1.91E-08	5.45E-08	7.36E-08
2549	437931.88	3762685.77	2.35E-07	7.40E-07	9.75E-07	3.65E-08	1.21E-07	1.57E-07	1.97E-08	5.61E-08	7.58E-08
2550	437935.45	3762694.4	2.42E-07	7.61E-07	1.00E-06	3.76E-08	1.24E-07	1.62E-07	2.02E-08	5.77E-08	7.79E-08
2551	437939.01	3762703.03	2.48E-07	7.82E-07	1.03E-06	3.86E-08	1.28E-07	1.66E-07	2.08E-08	5.92E-08	8.00E-08
2552	437942.58	3762711.66	2.54E-07	8.01E-07	1.06E-06	3.95E-08	1.31E-07	1.70E-07	2.13E-08	6.07E-08	8.20E-08
2553	437546.71	3762329.72	5.52E-08	1.74E-07	2.29E-07	8.58E-09	2.84E-08	3.70E-08	4.62E-09	1.32E-08	1.78E-08
2554	437537.32	3762329.72	5.47E-08	1.72E-07	2.27E-07	8.50E-09	2.81E-08	3.66E-08	4.58E-09	1.31E-08	1.76E-08
2555	437527.93	3762329.72	5.42E-08	1.71E-07	2.25E-07	8.42E-09	2.79E-08	3.63E-08	4.53E-09	1.29E-08	1.75E-08
2556	437518.54	3762329.72	5.36E-08	1.69E-07	2.23E-07	8.33E-09	2.76E-08	3.59E-08	4.49E-09	1.28E-08	1.73E-08
2557	437509.15	3762329.72	5.31E-08	1.67E-07	2.20E-07	8.25E-09	2.73E-08	3.56E-08	4.44E-09	1.27E-08	1.71E-08
2558	437499.76	3762329.73	5.25E-08	1.65E-07	2.18E-07	8.16E-09	2.70E-08	3.52E-08	4.40E-09	1.25E-08	1.69E-08

2559	437490.37	3762329.73	5.20E-08	1.64E-07	2.16E-07	8.08E-09	2.67E-08	3.48E-08	4.35E-09	1.24E-08	1.68E-08
2560	437480.98	3762329.73	5.14E-08	1.62E-07	2.13E-07	7.99E-09	2.65E-08	3.45E-08	4.31E-09	1.23E-08	1.66E-08
2561	437471.59	3762329.73	5.09E-08	1.60E-07	2.11E-07	7.91E-09	2.62E-08	3.41E-08	4.26E-09	1.21E-08	1.64E-08
2562	437462.2	3762329.73	5.04E-08	1.59E-07	2.09E-07	7.82E-09	2.59E-08	3.37E-08	4.22E-09	1.20E-08	1.62E-08
2563	437452.81	3762329.73	4.98E-08	1.57E-07	2.07E-07	7.74E-09	2.56E-08	3.34E-08	4.17E-09	1.19E-08	1.61E-08
2564	437443.42	3762329.73	4.93E-08	1.55E-07	2.05E-07	7.66E-09	2.54E-08	3.30E-08	4.13E-09	1.18E-08	1.59E-08
2565	437581.58	3762310.28	5.19E-08	1.63E-07	2.15E-07	8.06E-09	2.67E-08	3.47E-08	4.34E-09	1.24E-08	1.67E-08
2566	437590.07	3762313.8	5.31E-08	1.67E-07	2.20E-07	8.25E-09	2.73E-08	3.56E-08	4.44E-09	1.27E-08	1.71E-08
2567	437598.56	3762317.32	5.43E-08	1.71E-07	2.25E-07	8.44E-09	2.79E-08	3.64E-08	4.55E-09	1.30E-08	1.75E-08
2568	437607.06	3762320.84	5.55E-08	1.75E-07	2.30E-07	8.63E-09	2.86E-08	3.72E-08	4.65E-09	1.33E-08	1.79E-08
2569	437615.55	3762324.36	5.68E-08	1.79E-07	2.35E-07	8.82E-09	2.92E-08	3.80E-08	4.75E-09	1.35E-08	1.83E-08
2570	437624.04	3762327.88	5.80E-08	1.83E-07	2.41E-07	9.01E-09	2.98E-08	3.88E-08	4.85E-09	1.38E-08	1.87E-08
2571	437632.53	3762331.4	5.92E-08	1.86E-07	2.46E-07	9.20E-09	3.04E-08	3.96E-08	4.95E-09	1.41E-08	1.91E-08
2572	437641.02	3762334.93	6.04E-08	1.90E-07	2.51E-07	9.38E-09	3.11E-08	4.04E-08	5.05E-09	1.44E-08	1.95E-08
2573	437649.52	3762338.45	6.16E-08	1.94E-07	2.55E-07	9.57E-09	3.17E-08	4.12E-08	5.15E-09	1.47E-08	1.98E-08
2574	437658.01	3762341.97	6.27E-08	1.98E-07	2.60E-07	9.75E-09	3.23E-08	4.20E-08	5.25E-09	1.50E-08	2.02E-08
2575	437666.5	3762345.49	6.39E-08	2.01E-07	2.65E-07	9.92E-09	3.28E-08	4.28E-08	5.34E-09	1.52E-08	2.06E-08
2576	437674.99	3762349.01	6.50E-08	2.05E-07	2.69E-07	1.01E-08	3.34E-08	4.35E-08	5.44E-09	1.55E-08	2.09E-08
2577	437683.48	3762352.53	6.60E-08	2.08E-07	2.74E-07	1.03E-08	3.40E-08	4.42E-08	5.53E-09	1.58E-08	2.13E-08
2578	437691.98	3762356.05	6.71E-08	2.11E-07	2.78E-07	1.04E-08	3.45E-08	4.49E-08	5.61E-09	1.60E-08	2.16E-08
2579	437700.47	3762359.57	6.81E-08	2.14E-07	2.82E-07	1.06E-08	3.50E-08	4.56E-08	5.70E-09	1.62E-08	2.19E-08
2580	437708.96	3762363.09	6.90E-08	2.17E-07	2.86E-07	1.07E-08	3.55E-08	4.62E-08	5.78E-09	1.65E-08	2.22E-08
2581	437717.45	3762366.61	6.99E-08	2.20E-07	2.90E-07	1.09E-08	3.60E-08	4.68E-08	5.85E-09	1.67E-08	2.25E-08
2582	437725.95	3762370.13	7.08E-08	2.23E-07	2.94E-07	1.10E-08	3.64E-08	4.74E-08	5.93E-09	1.69E-08	2.28E-08
2583	437734.44	3762373.65	7.16E-08	2.26E-07	2.97E-07	1.11E-08	3.68E-08	4.80E-08	5.99E-09	1.71E-08	2.31E-08
2584	437742.93	3762377.17	7.24E-08	2.28E-07	3.00E-07	1.12E-08	3.72E-08	4.85E-08	6.06E-09	1.73E-08	2.33E-08
2585	437751.42	3762380.69	7.31E-08	2.30E-07	3.03E-07	1.14E-08	3.76E-08	4.90E-08	6.12E-09	1.74E-08	2.36E-08
2586	437759.91	3762384.21	7.38E-08	2.32E-07	3.06E-07	1.15E-08	3.80E-08	4.94E-08	6.18E-09	1.76E-08	2.38E-08
2587	437768.41	3762387.73	7.44E-08	2.34E-07	3.09E-07	1.16E-08	3.83E-08	4.99E-08	6.23E-09	1.78E-08	2.40E-08
2588	437776.9	3762391.25	7.50E-08	2.36E-07	3.11E-07	1.17E-08	3.86E-08	5.02E-08	6.28E-09	1.79E-08	2.42E-08
2589	437785.39	3762394.77	7.56E-08	2.38E-07	3.13E-07	1.17E-08	3.89E-08	5.06E-08	6.32E-09	1.80E-08	2.44E-08
2590	437793.88	3762398.29	7.60E-08	2.39E-07	3.16E-07	1.18E-08	3.91E-08	5.09E-08	6.37E-09	1.81E-08	2.45E-08
2591	437802.37	3762401.82	7.65E-08	2.41E-07	3.17E-07	1.19E-08	3.94E-08	5.12E-08	6.40E-09	1.83E-08	2.47E-08
2592	437810.87	3762405.34	7.69E-08	2.42E-07	3.19E-07	1.19E-08	3.96E-08	5.15E-08	6.44E-09	1.83E-08	2.48E-08
2593	437819.36	3762408.86	7.72E-08	2.43E-07	3.21E-07	1.20E-08	3.97E-08	5.17E-08	6.47E-09	1.84E-08	2.49E-08
2594	437827.85	3762412.38	7.76E-08	2.44E-07	3.22E-07	1.21E-08	3.99E-08	5.20E-08	6.49E-09	1.85E-08	2.50E-08
2595	437836.34	3762415.9	7.78E-08	2.45E-07	3.23E-07	1.21E-08	4.00E-08	5.21E-08	6.51E-09	1.86E-08	2.51E-08
2596	437844.84	3762419.42	7.80E-08	2.46E-07	3.24E-07	1.21E-08	4.02E-08	5.23E-08	6.53E-09	1.86E-08	2.52E-08
2597	437856.84	3762431.44	8.07E-08	2.54E-07	3.35E-07	1.25E-08	4.15E-08	5.41E-08	6.76E-09	1.93E-08	2.60E-08
2598	437860.35	3762439.93	8.33E-08	2.62E-07	3.46E-07	1.29E-08	4.28E-08	5.58E-08	6.97E-09	1.99E-08	2.68E-08
2599	437863.85	3762448.43	8.59E-08	2.71E-07	3.57E-07	1.34E-08	4.42E-08	5.76E-08	7.19E-09	2.05E-08	2.77E-08
2600	437867.36	3762456.93	8.87E-08	2.79E-07	3.68E-07	1.38E-08	4.56E-08	5.94E-08	7.42E-09	2.12E-08	2.86E-08
2601	437870.87	3762465.42	9.15E-08	2.88E-07	3.80E-07	1.42E-08	4.71E-08	6.13E-08	7.66E-09	2.18E-08	2.95E-08
2602	437874.38	3762473.92	9.45E-08	2.98E-07	3.92E-07	1.47E-08	4.86E-08	6.33E-08	7.91E-09	2.25E-08	3.05E-08
2603	437877.89	3762482.42	9.76E-08	3.07E-07	4.05E-07	1.52E-08	5.02E-08	6.54E-08	8.17E-09	2.33E-08	3.14E-08
2604	437881.4	3762490.91	1.01E-07	3.17E-07	4.18E-07	1.57E-08	5.18E-08	6.75E-08	8.43E-09	2.40E-08	3.25E-08
2605	437884.91	3762499.41	1.04E-07	3.28E-07	4.32E-07	1.62E-08	5.35E-08	6.97E-08	8.71E-09	2.48E-08	3.35E-08
2606	437888.42	3762507.91	1.08E-07	3.39E-07	4.46E-07	1.67E-08	5.53E-08	7.20E-08	9.00E-09	2.57E-08	3.47E-08
2607	437891.93	3762516.4	1.11E-07	3.50E-07	4.61E-07	1.73E-08	5.72E-08	7.44E-08	9.30E-09	2.65E-08	3.58E-08
2608	437895.43	3762524.9	1.15E-07	3.62E-07	4.77E-07	1.78E-08	5.91E-08	7.69E-08	9.61E-09	2.74E-08	3.70E-08
2609	437898.94	3762533.4	1.19E-07	3.74E-07	4.93E-07	1.85E-08	6.11E-08	7.96E-08	9.94E-09	2.83E-08	3.83E-08
2610	437902.45	3762541.9	1.23E-07	3.87E-07	5.10E-07	1.91E-08	6.32E-08	8.23E-08	1.03E-08	2.93E-08	3.96E-08
2611	437905.96	3762550.39	1.27E-07	4.00E-07	5.27E-07	1.97E-08	6.54E-08	8.51E-08	1.06E-08	3.03E-08	4.09E-08
2612	437909.47	3762558.89	1.31E-07	4.14E-07	5.45E-07	2.04E-08	6.76E-08	8.80E-08	1.10E-08	3.14E-08	4.24E-08
2613	437912.98	3762567.39	1.36E-07	4.28E-07	5.64E-07	2.11E-08	6.99E-08	9.11E-08	1.14E-08	3.24E-08	4.38E-08
2614	437916.49	3762575.88	1.41E-07	4.43E-07	5.83E-07	2.18E-08	7.23E-08	9.42E-08	1.18E-08	3.36E-08	4.53E-08
2615	437920	3762584.38	1.45E-07	4.58E-07	6.04E-07	2.26E-08	7.48E-08	9.75E-08	1.22E-08	3.47E-08	4.69E-08
2616	437923.51	3762592.88	1.51E-07	4.74E-07	6.25E-07	2.34E-08	7.74E-08	1.01E-07	1.26E-08	3.59E-08	4.85E-08
2617	437930.52	3762609.87	1.61E-07	5.07E-07	6.68E-07	2.50E-08	8.28E-08	1.08E-07	1.35E-08	3.84E-08	5.19E-08
2618	437934.03	3762618.37	1.66E-07	5.24E-07	6.90E-07	2.59E-08	8.56E-08	1.11E-07	1.39E-08	3.97E-08	5.36E-08
2619	437937.54	3762626.87	1.72E-07	5.41E-07	7.13E-07	2.67E-08	8.84E-08	1.15E-07	1.44E-08	4.10E-08	5.54E-08

2620	437941.05	3762635.36	1.77E-07	5.59E-07	7.36E-07	2.76E-08	9.13E-08	1.19E-07	1.49E-08	4.23E-08	5.72E-08
2621	437546.71	3762299.72	4.78E-08	1.51E-07	1.98E-07	7.43E-09	2.46E-08	3.20E-08	4.00E-09	1.14E-08	1.54E-08
2622	437537.32	3762299.72	4.74E-08	1.49E-07	1.97E-07	7.36E-09	2.44E-08	3.17E-08	3.96E-09	1.13E-08	1.53E-08
2623	437527.93	3762299.72	4.69E-08	1.48E-07	1.95E-07	7.29E-09	2.41E-08	3.14E-08	3.93E-09	1.12E-08	1.51E-08
2624	437518.54	3762299.72	4.65E-08	1.46E-07	1.93E-07	7.22E-09	2.39E-08	3.11E-08	3.89E-09	1.11E-08	1.50E-08
2625	437509.15	3762299.72	4.60E-08	1.45E-07	1.91E-07	7.15E-09	2.37E-08	3.08E-08	3.85E-09	1.10E-08	1.48E-08
2626	437499.76	3762299.73	4.55E-08	1.43E-07	1.89E-07	7.07E-09	2.34E-08	3.05E-08	3.81E-09	1.09E-08	1.47E-08
2627	437490.37	3762299.73	4.51E-08	1.42E-07	1.87E-07	7.00E-09	2.32E-08	3.02E-08	3.77E-09	1.08E-08	1.45E-08
2628	437480.98	3762299.73	4.46E-08	1.40E-07	1.85E-07	6.93E-09	2.29E-08	2.99E-08	3.73E-09	1.06E-08	1.44E-08
2629	437471.59	3762299.73	4.41E-08	1.39E-07	1.83E-07	6.86E-09	2.27E-08	2.96E-08	3.70E-09	1.05E-08	1.42E-08
2630	437462.19	3762299.73	4.37E-08	1.38E-07	1.81E-07	6.79E-09	2.25E-08	2.93E-08	3.66E-09	1.04E-08	1.41E-08
2631	437452.8	3762299.73	4.33E-08	1.36E-07	1.80E-07	6.72E-09	2.23E-08	2.90E-08	3.62E-09	1.03E-08	1.39E-08
2632	437443.41	3762299.73	4.28E-08	1.35E-07	1.78E-07	6.66E-09	2.20E-08	2.87E-08	3.59E-09	1.02E-08	1.38E-08
2633	437581.92	3762280.42	4.52E-08	1.42E-07	1.88E-07	7.03E-09	2.33E-08	3.03E-08	3.79E-09	1.08E-08	1.46E-08
2634	437590.53	3762283.99	4.63E-08	1.46E-07	1.92E-07	7.19E-09	2.38E-08	3.10E-08	3.87E-09	1.10E-08	1.49E-08
2635	437599.13	3762287.56	4.73E-08	1.49E-07	1.96E-07	7.36E-09	2.44E-08	3.17E-08	3.96E-09	1.13E-08	1.53E-08
2636	437607.74	3762291.13	4.84E-08	1.52E-07	2.01E-07	7.52E-09	2.49E-08	3.24E-08	4.05E-09	1.16E-08	1.56E-08
2637	437616.35	3762294.7	4.95E-08	1.56E-07	2.05E-07	7.69E-09	2.54E-08	3.31E-08	4.14E-09	1.18E-08	1.59E-08
2638	437624.96	3762298.26	5.05E-08	1.59E-07	2.10E-07	7.85E-09	2.60E-08	3.38E-08	4.23E-09	1.21E-08	1.63E-08
2639	437633.56	3762301.83	5.16E-08	1.62E-07	2.14E-07	8.01E-09	2.65E-08	3.45E-08	4.32E-09	1.23E-08	1.66E-08
2640	437642.17	3762305.4	5.26E-08	1.66E-07	2.18E-07	8.17E-09	2.71E-08	3.52E-08	4.40E-09	1.25E-08	1.69E-08
2641	437650.78	3762308.97	5.36E-08	1.69E-07	2.22E-07	8.33E-09	2.76E-08	3.59E-08	4.49E-09	1.28E-08	1.73E-08
2642	437659.38	3762312.54	5.46E-08	1.72E-07	2.27E-07	8.49E-09	2.81E-08	3.66E-08	4.57E-09	1.30E-08	1.76E-08
2643	437667.99	3762316.11	5.56E-08	1.75E-07	2.31E-07	8.64E-09	2.86E-08	3.72E-08	4.65E-09	1.33E-08	1.79E-08
2644	437676.6	3762319.67	5.66E-08	1.78E-07	2.35E-07	8.79E-09	2.91E-08	3.79E-08	4.74E-09	1.35E-08	1.82E-08
2645	437685.2	3762323.24	5.75E-08	1.81E-07	2.39E-07	8.94E-09	2.96E-08	3.85E-08	4.81E-09	1.37E-08	1.85E-08
2646	437693.81	3762326.81	5.84E-08	1.84E-07	2.42E-07	9.08E-09	3.01E-08	3.91E-08	4.89E-09	1.39E-08	1.88E-08
2647	437702.42	3762330.38	5.93E-08	1.87E-07	2.46E-07	9.22E-09	3.05E-08	3.97E-08	4.97E-09	1.42E-08	1.91E-08
2648	437711.02	3762333.95	6.02E-08	1.90E-07	2.50E-07	9.35E-09	3.10E-08	4.03E-08	5.04E-09	1.44E-08	1.94E-08
2649	437719.63	3762337.51	6.10E-08	1.92E-07	2.53E-07	9.48E-09	3.14E-08	4.09E-08	5.11E-09	1.46E-08	1.97E-08
2650	437728.24	3762341.08	6.18E-08	1.95E-07	2.56E-07	9.60E-09	3.18E-08	4.14E-08	5.17E-09	1.47E-08	1.99E-08
2651	437736.85	3762344.65	6.26E-08	1.97E-07	2.60E-07	9.72E-09	3.22E-08	4.19E-08	5.24E-09	1.49E-08	2.02E-08
2652	437745.45	3762348.22	6.33E-08	1.99E-07	2.63E-07	9.83E-09	3.26E-08	4.24E-08	5.30E-09	1.51E-08	2.04E-08
2653	437754.06	3762351.79	6.40E-08	2.01E-07	2.65E-07	9.94E-09	3.29E-08	4.28E-08	5.35E-09	1.53E-08	2.06E-08
2654	437762.67	3762355.35	6.46E-08	2.03E-07	2.68E-07	1.00E-08	3.32E-08	4.33E-08	5.41E-09	1.54E-08	2.08E-08
2655	437771.27	3762358.92	6.52E-08	2.05E-07	2.70E-07	1.01E-08	3.35E-08	4.37E-08	5.46E-09	1.56E-08	2.10E-08
2656	437779.88	3762362.49	6.57E-08	2.07E-07	2.73E-07	1.02E-08	3.38E-08	4.40E-08	5.50E-09	1.57E-08	2.12E-08
2657	437788.49	3762366.06	6.63E-08	2.09E-07	2.75E-07	1.03E-08	3.41E-08	4.44E-08	5.55E-09	1.58E-08	2.14E-08
2658	437797.09	3762369.63	6.67E-08	2.10E-07	2.77E-07	1.04E-08	3.43E-08	4.47E-08	5.59E-09	1.59E-08	2.15E-08
2659	437805.7	3762373.19	6.72E-08	2.12E-07	2.79E-07	1.04E-08	3.46E-08	4.50E-08	5.62E-09	1.60E-08	2.17E-08
2660	437814.31	3762376.76	6.76E-08	2.13E-07	2.80E-07	1.05E-08	3.48E-08	4.53E-08	5.66E-09	1.61E-08	2.18E-08
2661	437822.91	3762380.33	6.80E-08	2.14E-07	2.82E-07	1.06E-08	3.50E-08	4.55E-08	5.69E-09	1.62E-08	2.19E-08
2662	437831.52	3762383.9	6.83E-08	2.15E-07	2.83E-07	1.06E-08	3.51E-08	4.57E-08	5.72E-09	1.63E-08	2.20E-08
2663	437840.13	3762387.47	6.86E-08	2.16E-07	2.85E-07	1.07E-08	3.53E-08	4.59E-08	5.74E-09	1.64E-08	2.21E-08
2664	437848.73	3762391.04	6.89E-08	2.17E-07	2.86E-07	1.07E-08	3.54E-08	4.61E-08	5.76E-09	1.64E-08	2.22E-08
2665	437857.34	3762394.6	6.91E-08	2.18E-07	2.87E-07	1.07E-08	3.55E-08	4.63E-08	5.78E-09	1.65E-08	2.23E-08
2666	437865.95	3762398.17	6.93E-08	2.18E-07	2.87E-07	1.08E-08	3.56E-08	4.64E-08	5.80E-09	1.65E-08	2.23E-08
2667	437878.11	3762410.35	7.15E-08	2.25E-07	2.97E-07	1.11E-08	3.68E-08	4.79E-08	5.98E-09	1.71E-08	2.30E-08
2668	437881.67	3762418.96	7.36E-08	2.32E-07	3.06E-07	1.14E-08	3.79E-08	4.93E-08	6.16E-09	1.76E-08	2.37E-08
2669	437885.22	3762427.57	7.59E-08	2.39E-07	3.15E-07	1.18E-08	3.90E-08	5.08E-08	6.35E-09	1.81E-08	2.45E-08
2670	437888.78	3762436.19	7.82E-08	2.46E-07	3.24E-07	1.21E-08	4.02E-08	5.24E-08	6.54E-09	1.86E-08	2.52E-08
2671	437892.34	3762444.8	8.05E-08	2.54E-07	3.34E-07	1.25E-08	4.14E-08	5.39E-08	6.74E-09	1.92E-08	2.60E-08
2672	437895.89	3762453.41	8.30E-08	2.61E-07	3.44E-07	1.29E-08	4.27E-08	5.56E-08	6.95E-09	1.98E-08	2.67E-08
2673	437899.45	3762462.02	8.55E-08	2.69E-07	3.55E-07	1.33E-08	4.40E-08	5.73E-08	7.16E-09	2.04E-08	2.76E-08
2674	437903.01	3762470.63	8.81E-08	2.78E-07	3.66E-07	1.37E-08	4.54E-08	5.90E-08	7.38E-09	2.10E-08	2.84E-08
2675	437906.56	3762479.25	9.09E-08	2.86E-07	3.77E-07	1.41E-08	4.68E-08	6.09E-08	7.61E-09	2.17E-08	2.93E-08
2676	437910.12	3762487.86	9.37E-08	2.95E-07	3.89E-07	1.46E-08	4.82E-08	6.28E-08	7.85E-09	2.24E-08	3.02E-08
2677	437913.68	3762496.47	9.67E-08	3.04E-07	4.01E-07	1.50E-08	4.97E-08	6.48E-08	8.09E-09	2.31E-08	3.12E-08
2678	437917.23	3762505.08	9.98E-08	3.14E-07	4.14E-07	1.55E-08	5.13E-08	6.68E-08	8.35E-09	2.38E-08	3.22E-08
2679	437920.79	3762513.69	1.03E-07	3.24E-07	4.27E-07	1.60E-08	5.30E-08	6.90E-08	8.62E-09	2.46E-08	3.32E-08
2680	437924.34	3762522.3	1.06E-07	3.35E-07	4.41E-07	1.65E-08	5.47E-08	7.12E-08	8.90E-09	2.54E-08	3.43E-08

2681	437927.9	3762530.92	1.10E-07	3.46E-07	4.55E-07	1.70E-08	5.64E-08	7.35E-08	9.18E-09	2.62E-08	3.54E-08
2682	437931.46	3762539.53	1.13E-07	3.57E-07	4.70E-07	1.76E-08	5.83E-08	7.59E-08	9.48E-09	2.70E-08	3.65E-08
2683	437935.01	3762548.14	1.17E-07	3.68E-07	4.85E-07	1.82E-08	6.02E-08	7.84E-08	9.79E-09	2.79E-08	3.77E-08
2684	437938.57	3762556.75	1.21E-07	3.80E-07	5.01E-07	1.88E-08	6.22E-08	8.09E-08	1.01E-08	2.88E-08	3.89E-08
2685	437995.47	3762694.54	1.94E-07	6.12E-07	8.06E-07	3.02E-08	1.00E-07	1.30E-07	1.63E-08	4.64E-08	6.27E-08
2686	437999.03	3762703.15	1.99E-07	6.26E-07	8.25E-07	3.09E-08	1.02E-07	1.33E-07	1.66E-08	4.74E-08	6.41E-08
2687	438002.58	3762711.76	2.03E-07	6.40E-07	8.43E-07	3.16E-08	1.04E-07	1.36E-07	1.70E-08	4.85E-08	6.55E-08
2688	437546.71	3762269.72	4.18E-08	1.32E-07	1.73E-07	6.50E-09	2.15E-08	2.80E-08	3.50E-09	9.98E-09	1.35E-08
2689	437537.32	3762269.72	4.14E-08	1.30E-07	1.72E-07	6.44E-09	2.13E-08	2.78E-08	3.47E-09	9.89E-09	1.34E-08
2690	437527.93	3762269.72	4.10E-08	1.29E-07	1.70E-07	6.38E-09	2.11E-08	2.75E-08	3.44E-09	9.79E-09	1.32E-08
2691	437518.54	3762269.72	4.07E-08	1.28E-07	1.69E-07	6.32E-09	2.09E-08	2.72E-08	3.40E-09	9.70E-09	1.31E-08
2692	437509.15	3762269.72	4.03E-08	1.27E-07	1.67E-07	6.26E-09	2.07E-08	2.70E-08	3.37E-09	9.61E-09	1.30E-08
2693	437499.76	3762269.73	3.99E-08	1.26E-07	1.65E-07	6.19E-09	2.05E-08	2.67E-08	3.34E-09	9.51E-09	1.28E-08
2694	437490.36	3762269.73	3.95E-08	1.24E-07	1.64E-07	6.13E-09	2.03E-08	2.64E-08	3.30E-09	9.42E-09	1.27E-08
2695	437480.97	3762269.73	3.91E-08	1.23E-07	1.62E-07	6.07E-09	2.01E-08	2.62E-08	3.27E-09	9.32E-09	1.26E-08
2696	437471.58	3762269.73	3.87E-08	1.22E-07	1.61E-07	6.01E-09	1.99E-08	2.59E-08	3.24E-09	9.23E-09	1.25E-08
2697	437462.19	3762269.73	3.83E-08	1.21E-07	1.59E-07	5.95E-09	1.97E-08	2.57E-08	3.21E-09	9.14E-09	1.24E-08
2698	437452.8	3762269.73	3.79E-08	1.20E-07	1.57E-07	5.90E-09	1.95E-08	2.54E-08	3.18E-09	9.06E-09	1.22E-08
2699	437443.41	3762269.73	3.76E-08	1.18E-07	1.56E-07	5.84E-09	1.93E-08	2.52E-08	3.15E-09	8.97E-09	1.21E-08
2700	437649.51	3762278.45	4.68E-08	1.48E-07	1.94E-07	7.28E-09	2.41E-08	3.14E-08	3.92E-09	1.12E-08	1.51E-08
2701	437658	3762281.97	4.77E-08	1.50E-07	1.98E-07	7.41E-09	2.45E-08	3.20E-08	3.99E-09	1.14E-08	1.54E-08
2702	437666.5	3762285.49	4.86E-08	1.53E-07	2.01E-07	7.55E-09	2.50E-08	3.25E-08	4.06E-09	1.16E-08	1.57E-08
2703	437674.99	3762289.01	4.94E-08	1.56E-07	2.05E-07	7.68E-09	2.54E-08	3.31E-08	4.13E-09	1.18E-08	1.59E-08
2704	437683.48	3762292.53	5.02E-08	1.58E-07	2.08E-07	7.80E-09	2.58E-08	3.36E-08	4.20E-09	1.20E-08	1.62E-08
2705	437691.97	3762296.05	5.10E-08	1.61E-07	2.12E-07	7.93E-09	2.62E-08	3.42E-08	4.27E-09	1.22E-08	1.64E-08
2706	437700.46	3762299.57	5.18E-08	1.63E-07	2.15E-07	8.05E-09	2.66E-08	3.47E-08	4.34E-09	1.24E-08	1.67E-08
2707	437708.96	3762303.09	5.26E-08	1.66E-07	2.18E-07	8.17E-09	2.70E-08	3.52E-08	4.40E-09	1.25E-08	1.69E-08
2708	437717.45	3762306.61	5.33E-08	1.68E-07	2.21E-07	8.28E-09	2.74E-08	3.57E-08	4.46E-09	1.27E-08	1.72E-08
2709	437725.94	3762310.13	5.40E-08	1.70E-07	2.24E-07	8.39E-09	2.78E-08	3.62E-08	4.52E-09	1.29E-08	1.74E-08
2710	437734.43	3762313.65	5.47E-08	1.72E-07	2.27E-07	8.50E-09	2.81E-08	3.66E-08	4.58E-09	1.31E-08	1.76E-08
2711	437742.92	3762317.17	5.54E-08	1.74E-07	2.30E-07	8.60E-09	2.85E-08	3.71E-08	4.63E-09	1.32E-08	1.78E-08
2712	437751.42	3762320.69	5.60E-08	1.76E-07	2.32E-07	8.70E-09	2.88E-08	3.75E-08	4.69E-09	1.34E-08	1.80E-08
2713	437759.91	3762324.21	5.66E-08	1.78E-07	2.35E-07	8.79E-09	2.91E-08	3.79E-08	4.74E-09	1.35E-08	1.82E-08
2714	437768.4	3762327.73	5.71E-08	1.80E-07	2.37E-07	8.88E-09	2.94E-08	3.83E-08	4.78E-09	1.36E-08	1.84E-08
2715	437776.89	3762331.25	5.77E-08	1.82E-07	2.39E-07	8.96E-09	2.97E-08	3.86E-08	4.83E-09	1.38E-08	1.86E-08
2716	437785.39	3762334.77	5.82E-08	1.83E-07	2.41E-07	9.04E-09	2.99E-08	3.90E-08	4.87E-09	1.39E-08	1.88E-08
2717	437793.88	3762338.29	5.87E-08	1.85E-07	2.43E-07	9.12E-09	3.02E-08	3.93E-08	4.91E-09	1.40E-08	1.89E-08
2718	437802.37	3762341.82	5.91E-08	1.86E-07	2.45E-07	9.19E-09	3.04E-08	3.96E-08	4.95E-09	1.41E-08	1.91E-08
2719	437810.86	3762345.34	5.95E-08	1.88E-07	2.47E-07	9.25E-09	3.06E-08	3.99E-08	4.98E-09	1.42E-08	1.92E-08
2720	437819.35	3762348.86	5.99E-08	1.89E-07	2.49E-07	9.31E-09	3.08E-08	4.01E-08	5.02E-09	1.43E-08	1.93E-08
2721	437827.85	3762352.38	6.03E-08	1.90E-07	2.50E-07	9.37E-09	3.10E-08	4.04E-08	5.05E-09	1.44E-08	1.94E-08
2722	437836.34	3762355.9	6.06E-08	1.91E-07	2.51E-07	9.42E-09	3.12E-08	4.06E-08	5.07E-09	1.45E-08	1.95E-08
2723	437844.83	3762359.42	6.09E-08	1.92E-07	2.53E-07	9.46E-09	3.13E-08	4.08E-08	5.10E-09	1.45E-08	1.96E-08
2724	437853.32	3762362.94	6.12E-08	1.93E-07	2.54E-07	9.50E-09	3.15E-08	4.10E-08	5.12E-09	1.46E-08	1.97E-08
2725	437861.81	3762366.46	6.14E-08	1.93E-07	2.55E-07	9.54E-09	3.16E-08	4.11E-08	5.14E-09	1.47E-08	1.98E-08
2726	437870.31	3762369.98	6.16E-08	1.94E-07	2.56E-07	9.57E-09	3.17E-08	4.13E-08	5.16E-09	1.47E-08	1.99E-08
2727	437878.8	3762373.5	6.18E-08	1.95E-07	2.56E-07	9.60E-09	3.18E-08	4.14E-08	5.17E-09	1.47E-08	1.99E-08
2728	437887.29	3762377.02	6.19E-08	1.95E-07	2.57E-07	9.62E-09	3.19E-08	4.15E-08	5.18E-09	1.48E-08	2.00E-08
2729	437899.29	3762389.04	6.38E-08	2.01E-07	2.65E-07	9.91E-09	3.28E-08	4.27E-08	5.34E-09	1.52E-08	2.06E-08
2730	437902.8	3762397.53	6.55E-08	2.06E-07	2.72E-07	1.02E-08	3.37E-08	4.39E-08	5.49E-09	1.56E-08	2.11E-08
2731	437906.31	3762406.03	6.74E-08	2.12E-07	2.79E-07	1.05E-08	3.47E-08	4.51E-08	5.64E-09	1.61E-08	2.17E-08
2732	437909.82	3762414.53	6.92E-08	2.18E-07	2.87E-07	1.08E-08	3.56E-08	4.64E-08	5.80E-09	1.65E-08	2.23E-08
2733	437913.33	3762423.03	7.12E-08	2.24E-07	2.95E-07	1.11E-08	3.66E-08	4.77E-08	5.96E-09	1.70E-08	2.29E-08
2734	437916.84	3762431.52	7.32E-08	2.30E-07	3.04E-07	1.14E-08	3.76E-08	4.90E-08	6.12E-09	1.75E-08	2.36E-08
2735	437920.35	3762440.02	7.52E-08	2.37E-07	3.12E-07	1.17E-08	3.87E-08	5.04E-08	6.30E-09	1.80E-08	2.42E-08
2736	437923.85	3762448.52	7.74E-08	2.44E-07	3.21E-07	1.20E-08	3.98E-08	5.18E-08	6.47E-09	1.85E-08	2.49E-08
2737	437927.36	3762457.01	7.96E-08	2.51E-07	3.30E-07	1.24E-08	4.09E-08	5.33E-08	6.66E-09	1.90E-08	2.56E-08
2738	437930.87	3762465.51	8.18E-08	2.58E-07	3.40E-07	1.27E-08	4.21E-08	5.48E-08	6.85E-09	1.95E-08	2.64E-08
2739	437934.38	3762474.01	8.42E-08	2.65E-07	3.49E-07	1.31E-08	4.33E-08	5.64E-08	7.05E-09	2.01E-08	2.71E-08
2740	437937.89	3762482.5	8.67E-08	2.73E-07	3.60E-07	1.35E-08	4.46E-08	5.81E-08	7.25E-09	2.07E-08	2.79E-08
2741	437941.4	3762491	8.92E-08	2.81E-07	3.70E-07	1.39E-08	4.59E-08	5.98E-08	7.47E-09	2.13E-08	2.88E-08

2742	437944.91	3762499.5	9.19E-08	2.89E-07	3.81E-07	1.43E-08	4.73E-08	6.15E-08	7.69E-09	2.19E-08	2.96E-08
2743	437994.03	3762618.46	1.40E-07	4.40E-07	5.80E-07	2.17E-08	7.19E-08	9.37E-08	1.17E-08	3.34E-08	4.51E-08
2744	437997.54	3762626.95	1.44E-07	4.53E-07	5.97E-07	2.24E-08	7.40E-08	9.64E-08	1.20E-08	3.43E-08	4.64E-08
2745	438001.05	3762635.45	1.48E-07	4.66E-07	6.14E-07	2.30E-08	7.61E-08	9.91E-08	1.24E-08	3.53E-08	4.77E-08
2746	438004.56	3762643.95	1.52E-07	4.79E-07	6.31E-07	2.36E-08	7.82E-08	1.02E-07	1.27E-08	3.63E-08	4.90E-08
2747	438008.07	3762652.44	1.56E-07	4.91E-07	6.47E-07	2.42E-08	8.03E-08	1.05E-07	1.31E-08	3.72E-08	5.03E-08
2748	438011.58	3762660.94	1.60E-07	5.04E-07	6.64E-07	2.49E-08	8.24E-08	1.07E-07	1.34E-08	3.82E-08	5.16E-08
2749	438015.09	3762669.44	1.64E-07	5.17E-07	6.81E-07	2.55E-08	8.44E-08	1.10E-07	1.37E-08	3.92E-08	5.29E-08
2750	438018.59	3762677.93	1.68E-07	5.29E-07	6.97E-07	2.61E-08	8.65E-08	1.13E-07	1.41E-08	4.01E-08	5.42E-08
2751	438022.1	3762686.43	1.72E-07	5.42E-07	7.13E-07	2.67E-08	8.85E-08	1.15E-07	1.44E-08	4.10E-08	5.54E-08
2752	438025.61	3762694.93	1.76E-07	5.54E-07	7.29E-07	2.73E-08	9.04E-08	1.18E-07	1.47E-08	4.19E-08	5.67E-08
2753	438029.12	3762703.43	1.79E-07	5.65E-07	7.45E-07	2.79E-08	9.23E-08	1.20E-07	1.50E-08	4.28E-08	5.78E-08
2754	438032.63	3762711.92	1.83E-07	5.76E-07	7.59E-07	2.84E-08	9.42E-08	1.23E-07	1.53E-08	4.37E-08	5.90E-08
2755	437546.71	3762239.72	3.69E-08	1.16E-07	1.53E-07	5.74E-09	1.90E-08	2.47E-08	3.09E-09	8.81E-09	1.19E-08
2756	437537.32	3762239.72	3.66E-08	1.15E-07	1.52E-07	5.68E-09	1.88E-08	2.45E-08	3.06E-09	8.73E-09	1.18E-08
2757	437527.92	3762239.72	3.62E-08	1.14E-07	1.50E-07	5.63E-09	1.86E-08	2.43E-08	3.03E-09	8.65E-09	1.17E-08
2758	437518.53	3762239.72	3.59E-08	1.13E-07	1.49E-07	5.58E-09	1.85E-08	2.40E-08	3.00E-09	8.57E-09	1.16E-08
2759	437509.14	3762239.72	3.56E-08	1.12E-07	1.48E-07	5.52E-09	1.83E-08	2.38E-08	2.98E-09	8.48E-09	1.15E-08
2760	437499.75	3762239.73	3.52E-08	1.11E-07	1.46E-07	5.47E-09	1.81E-08	2.36E-08	2.95E-09	8.40E-09	1.14E-08
2761	437490.36	3762239.73	3.49E-08	1.10E-07	1.45E-07	5.42E-09	1.79E-08	2.34E-08	2.92E-09	8.32E-09	1.12E-08
2762	437480.97	3762239.73	3.45E-08	1.09E-07	1.43E-07	5.37E-09	1.78E-08	2.31E-08	2.89E-09	8.24E-09	1.11E-08
2763	437471.58	3762239.73	3.42E-08	1.08E-07	1.42E-07	5.32E-09	1.76E-08	2.29E-08	2.86E-09	8.16E-09	1.10E-08
2764	437462.19	3762239.73	3.39E-08	1.07E-07	1.41E-07	5.27E-09	1.74E-08	2.27E-08	2.84E-09	8.09E-09	1.09E-08
2765	437452.8	3762239.73	3.36E-08	1.06E-07	1.39E-07	5.22E-09	1.73E-08	2.25E-08	2.81E-09	8.01E-09	1.08E-08
2766	437443.41	3762239.73	3.33E-08	1.05E-07	1.38E-07	5.17E-09	1.71E-08	2.23E-08	2.79E-09	7.94E-09	1.07E-08
2767	437719.37	3762277.41	4.72E-08	1.49E-07	1.96E-07	7.33E-09	2.43E-08	3.16E-08	3.95E-09	1.13E-08	1.52E-08
2768	437727.96	3762280.97	4.78E-08	1.51E-07	1.99E-07	7.43E-09	2.46E-08	3.21E-08	4.00E-09	1.14E-08	1.54E-08
2769	437736.55	3762284.53	4.85E-08	1.53E-07	2.01E-07	7.53E-09	2.49E-08	3.25E-08	4.06E-09	1.16E-08	1.56E-08
2770	437745.15	3762288.09	4.91E-08	1.55E-07	2.04E-07	7.63E-09	2.52E-08	3.29E-08	4.11E-09	1.17E-08	1.58E-08
2771	437753.74	3762291.66	4.97E-08	1.56E-07	2.06E-07	7.72E-09	2.55E-08	3.33E-08	4.16E-09	1.18E-08	1.60E-08
2772	437762.33	3762295.22	5.02E-08	1.58E-07	2.08E-07	7.80E-09	2.58E-08	3.36E-08	4.20E-09	1.20E-08	1.62E-08
2773	437770.93	3762298.78	5.07E-08	1.60E-07	2.11E-07	7.88E-09	2.61E-08	3.40E-08	4.25E-09	1.21E-08	1.64E-08
2774	437779.52	3762302.34	5.12E-08	1.61E-07	2.13E-07	7.96E-09	2.64E-08	3.43E-08	4.29E-09	1.22E-08	1.65E-08
2775	437788.11	3762305.91	5.17E-08	1.63E-07	2.15E-07	8.04E-09	2.66E-08	3.46E-08	4.33E-09	1.23E-08	1.67E-08
2776	437796.71	3762309.47	5.22E-08	1.64E-07	2.16E-07	8.11E-09	2.68E-08	3.50E-08	4.37E-09	1.25E-08	1.68E-08
2777	437805.3	3762313.03	5.26E-08	1.66E-07	2.18E-07	8.17E-09	2.71E-08	3.52E-08	4.40E-09	1.26E-08	1.70E-08
2778	437813.89	3762316.59	5.30E-08	1.67E-07	2.20E-07	8.24E-09	2.73E-08	3.55E-08	4.44E-09	1.26E-08	1.71E-08
2779	437822.49	3762320.16	5.34E-08	1.68E-07	2.21E-07	8.29E-09	2.75E-08	3.58E-08	4.47E-09	1.27E-08	1.72E-08
2780	437831.08	3762323.72	5.37E-08	1.69E-07	2.23E-07	8.35E-09	2.76E-08	3.60E-08	4.50E-09	1.28E-08	1.73E-08
2781	437839.67	3762327.28	5.41E-08	1.70E-07	2.24E-07	8.40E-09	2.78E-08	3.62E-08	4.53E-09	1.29E-08	1.74E-08
2782	437848.27	3762330.84	5.44E-08	1.71E-07	2.26E-07	8.45E-09	2.80E-08	3.64E-08	4.55E-09	1.30E-08	1.75E-08
2783	437856.86	3762334.41	5.46E-08	1.72E-07	2.27E-07	8.49E-09	2.81E-08	3.66E-08	4.57E-09	1.30E-08	1.76E-08
2784	437865.45	3762337.97	5.49E-08	1.73E-07	2.28E-07	8.53E-09	2.82E-08	3.68E-08	4.59E-09	1.31E-08	1.77E-08
2785	437874.04	3762341.53	5.51E-08	1.74E-07	2.29E-07	8.56E-09	2.84E-08	3.69E-08	4.61E-09	1.32E-08	1.78E-08
2786	437882.64	3762345.09	5.53E-08	1.74E-07	2.29E-07	8.59E-09	2.85E-08	3.70E-08	4.63E-09	1.32E-08	1.78E-08
2787	437891.23	3762348.65	5.55E-08	1.75E-07	2.30E-07	8.62E-09	2.85E-08	3.72E-08	4.64E-09	1.32E-08	1.79E-08
2788	437899.82	3762352.22	5.56E-08	1.75E-07	2.31E-07	8.65E-09	2.86E-08	3.73E-08	4.66E-09	1.33E-08	1.79E-08
2789	437908.42	3762355.78	5.58E-08	1.76E-07	2.31E-07	8.66E-09	2.87E-08	3.74E-08	4.67E-09	1.33E-08	1.80E-08
2790	437920.56	3762367.94	5.73E-08	1.81E-07	2.38E-07	8.91E-09	2.95E-08	3.84E-08	4.80E-09	1.37E-08	1.85E-08
2791	437924.11	3762376.54	5.88E-08	1.85E-07	2.44E-07	9.14E-09	3.03E-08	3.94E-08	4.92E-09	1.40E-08	1.90E-08
2792	437927.66	3762385.14	6.04E-08	1.90E-07	2.51E-07	9.38E-09	3.11E-08	4.05E-08	5.05E-09	1.44E-08	1.95E-08
2793	437931.21	3762393.73	6.20E-08	1.95E-07	2.57E-07	9.63E-09	3.19E-08	4.15E-08	5.19E-09	1.48E-08	2.00E-08
2794	437934.76	3762402.33	6.36E-08	2.00E-07	2.64E-07	9.89E-09	3.27E-08	4.26E-08	5.33E-09	1.52E-08	2.05E-08
2795	437938.32	3762410.93	6.53E-08	2.06E-07	2.71E-07	1.01E-08	3.36E-08	4.37E-08	5.47E-09	1.56E-08	2.11E-08
2796	437941.87	3762419.53	6.70E-08	2.11E-07	2.78E-07	1.04E-08	3.45E-08	4.49E-08	5.61E-09	1.60E-08	2.16E-08
2797	437945.42	3762428.13	6.88E-08	2.17E-07	2.86E-07	1.07E-08	3.54E-08	4.61E-08	5.76E-09	1.64E-08	2.22E-08
2798	437948.97	3762436.73	7.07E-08	2.23E-07	2.93E-07	1.10E-08	3.64E-08	4.74E-08	5.92E-09	1.69E-08	2.28E-08
2799	437952.52	3762445.32	7.26E-08	2.29E-07	3.01E-07	1.13E-08	3.74E-08	4.86E-08	6.08E-09	1.73E-08	2.34E-08
2800	437956.07	3762453.92	7.46E-08	2.35E-07	3.10E-07	1.16E-08	3.84E-08	5.00E-08	6.25E-09	1.78E-08	2.41E-08
2801	438005.78	3762574.29	1.11E-07	3.50E-07	4.61E-07	1.73E-08	5.72E-08	7.45E-08	9.31E-09	2.65E-08	3.58E-08
2802	438009.33	3762582.89	1.15E-07	3.61E-07	4.75E-07	1.78E-08	5.89E-08	7.67E-08	9.58E-09	2.73E-08	3.69E-08

2803	438012.88	3762591.49	1.18E-07	3.71E-07	4.89E-07	1.83E-08	6.06E-08	7.89E-08	9.86E-09	2.81E-08	3.80E-08
2804	438016.43	3762600.09	1.21E-07	3.82E-07	5.03E-07	1.88E-08	6.24E-08	8.12E-08	1.01E-08	2.89E-08	3.91E-08
2805	438019.98	3762608.69	1.25E-07	3.93E-07	5.17E-07	1.94E-08	6.42E-08	8.35E-08	1.04E-08	2.98E-08	4.02E-08
2806	438023.53	3762617.29	1.28E-07	4.04E-07	5.32E-07	1.99E-08	6.60E-08	8.59E-08	1.07E-08	3.06E-08	4.13E-08
2807	438027.08	3762625.88	1.32E-07	4.15E-07	5.46E-07	2.05E-08	6.78E-08	8.82E-08	1.10E-08	3.14E-08	4.25E-08
2808	438030.63	3762634.48	1.35E-07	4.26E-07	5.61E-07	2.10E-08	6.96E-08	9.06E-08	1.13E-08	3.23E-08	4.36E-08
2809	438034.18	3762643.08	1.39E-07	4.37E-07	5.76E-07	2.16E-08	7.14E-08	9.30E-08	1.16E-08	3.31E-08	4.47E-08
2810	438037.73	3762651.68	1.42E-07	4.48E-07	5.90E-07	2.21E-08	7.32E-08	9.53E-08	1.19E-08	3.40E-08	4.59E-08
2811	438041.28	3762660.28	1.46E-07	4.59E-07	6.05E-07	2.27E-08	7.50E-08	9.77E-08	1.22E-08	3.48E-08	4.70E-08
2812	438044.84	3762668.87	1.49E-07	4.70E-07	6.20E-07	2.32E-08	7.68E-08	1.00E-07	1.25E-08	3.56E-08	4.81E-08
2813	438048.39	3762677.47	1.53E-07	4.81E-07	6.34E-07	2.37E-08	7.86E-08	1.02E-07	1.28E-08	3.65E-08	4.92E-08
2814	438051.94	3762686.07	1.56E-07	4.92E-07	6.48E-07	2.43E-08	8.03E-08	1.05E-07	1.31E-08	3.73E-08	5.03E-08
2815	438055.49	3762694.67	1.59E-07	5.02E-07	6.61E-07	2.48E-08	8.20E-08	1.07E-07	1.33E-08	3.80E-08	5.14E-08
2816	438059.04	3762703.27	1.63E-07	5.12E-07	6.75E-07	2.53E-08	8.36E-08	1.09E-07	1.36E-08	3.88E-08	5.24E-08
2817	438062.59	3762711.86	1.66E-07	5.22E-07	6.87E-07	2.57E-08	8.52E-08	1.11E-07	1.39E-08	3.95E-08	5.34E-08
2818	437546.7	3762209.72	3.29E-08	1.04E-07	1.36E-07	5.11E-09	1.69E-08	2.20E-08	2.75E-09	7.84E-09	1.06E-08
2819	437537.31	3762209.72	3.26E-08	1.03E-07	1.35E-07	5.06E-09	1.68E-08	2.18E-08	2.73E-09	7.77E-09	1.05E-08
2820	437527.92	3762209.72	3.23E-08	1.02E-07	1.34E-07	5.01E-09	1.66E-08	2.16E-08	2.70E-09	7.70E-09	1.04E-08
2821	437518.53	3762209.72	3.20E-08	1.01E-07	1.33E-07	4.96E-09	1.64E-08	2.14E-08	2.67E-09	7.63E-09	1.03E-08
2822	437509.14	3762209.72	3.17E-08	9.97E-08	1.31E-07	4.92E-09	1.63E-08	2.12E-08	2.65E-09	7.55E-09	1.02E-08
2823	437499.75	3762209.73	3.14E-08	9.88E-08	1.30E-07	4.87E-09	1.61E-08	2.10E-08	2.63E-09	7.48E-09	1.01E-08
2824	437490.36	3762209.73	3.11E-08	9.79E-08	1.29E-07	4.83E-09	1.60E-08	2.08E-08	2.60E-09	7.42E-09	1.00E-08
2825	437480.97	3762209.73	3.08E-08	9.70E-08	1.28E-07	4.78E-09	1.58E-08	2.06E-08	2.58E-09	7.35E-09	9.92E-09
2826	437471.58	3762209.73	3.05E-08	9.61E-08	1.27E-07	4.74E-09	1.57E-08	2.04E-08	2.55E-09	7.28E-09	9.83E-09
2827	437462.19	3762209.73	3.02E-08	9.52E-08	1.25E-07	4.70E-09	1.56E-08	2.03E-08	2.53E-09	7.21E-09	9.74E-09
2828	437452.8	3762209.73	3.00E-08	9.44E-08	1.24E-07	4.66E-09	1.54E-08	2.01E-08	2.51E-09	7.15E-09	9.66E-09
2829	437443.4	3762209.73	2.97E-08	9.36E-08	1.23E-07	4.62E-09	1.53E-08	1.99E-08	2.49E-09	7.09E-09	9.58E-09
2830	437793.87	3762278.29	4.64E-08	1.46E-07	1.93E-07	7.21E-09	2.39E-08	3.11E-08	3.88E-09	1.11E-08	1.50E-08
2831	437802.36	3762281.82	4.68E-08	1.47E-07	1.94E-07	7.28E-09	2.41E-08	3.14E-08	3.92E-09	1.12E-08	1.51E-08
2832	437810.86	3762285.34	4.72E-08	1.49E-07	1.96E-07	7.34E-09	2.43E-08	3.16E-08	3.95E-09	1.13E-08	1.52E-08
2833	437819.35	3762288.86	4.76E-08	1.50E-07	1.97E-07	7.39E-09	2.45E-08	3.19E-08	3.98E-09	1.14E-08	1.53E-08
2834	437827.84	3762292.38	4.79E-08	1.51E-07	1.99E-07	7.45E-09	2.47E-08	3.21E-08	4.01E-09	1.14E-08	1.54E-08
2835	437836.33	3762295.9	4.83E-08	1.52E-07	2.00E-07	7.50E-09	2.48E-08	3.23E-08	4.04E-09	1.15E-08	1.56E-08
2836	437844.83	3762299.42	4.86E-08	1.53E-07	2.02E-07	7.55E-09	2.50E-08	3.25E-08	4.07E-09	1.16E-08	1.57E-08
2837	437853.32	3762302.94	4.89E-08	1.54E-07	2.03E-07	7.59E-09	2.51E-08	3.27E-08	4.09E-09	1.17E-08	1.57E-08
2838	437861.81	3762306.46	4.91E-08	1.55E-07	2.04E-07	7.63E-09	2.53E-08	3.29E-08	4.11E-09	1.17E-08	1.58E-08
2839	437870.3	3762309.98	4.94E-08	1.55E-07	2.05E-07	7.67E-09	2.54E-08	3.31E-08	4.13E-09	1.18E-08	1.59E-08
2840	437878.79	3762313.5	4.96E-08	1.56E-07	2.06E-07	7.71E-09	2.55E-08	3.32E-08	4.15E-09	1.18E-08	1.60E-08
2841	437887.29	3762317.02	4.98E-08	1.57E-07	2.07E-07	7.74E-09	2.56E-08	3.34E-08	4.17E-09	1.19E-08	1.61E-08
2842	437895.78	3762320.54	5.00E-08	1.57E-07	2.07E-07	7.77E-09	2.57E-08	3.35E-08	4.18E-09	1.19E-08	1.61E-08
2843	437904.27	3762324.06	5.02E-08	1.58E-07	2.08E-07	7.79E-09	2.58E-08	3.36E-08	4.20E-09	1.20E-08	1.62E-08
2844	437912.76	3762327.58	5.03E-08	1.58E-07	2.09E-07	7.82E-09	2.59E-08	3.37E-08	4.21E-09	1.20E-08	1.62E-08
2845	437921.25	3762331.1	5.04E-08	1.59E-07	2.09E-07	7.84E-09	2.59E-08	3.38E-08	4.22E-09	1.20E-08	1.63E-08
2846	437929.75	3762334.62	5.05E-08	1.59E-07	2.10E-07	7.85E-09	2.60E-08	3.38E-08	4.23E-09	1.21E-08	1.63E-08
2847	437941.75	3762346.64	5.19E-08	1.63E-07	2.15E-07	8.06E-09	2.67E-08	3.47E-08	4.34E-09	1.24E-08	1.67E-08
2848	437945.26	3762355.14	5.31E-08	1.67E-07	2.20E-07	8.25E-09	2.73E-08	3.56E-08	4.45E-09	1.27E-08	1.71E-08
2849	437948.77	3762363.63	5.44E-08	1.71E-07	2.26E-07	8.45E-09	2.80E-08	3.64E-08	4.55E-09	1.30E-08	1.75E-08
2850	437952.27	3762372.13	5.57E-08	1.76E-07	2.31E-07	8.66E-09	2.87E-08	3.73E-08	4.67E-09	1.33E-08	1.80E-08
2851	437955.78	3762380.63	5.71E-08	1.80E-07	2.37E-07	8.87E-09	2.94E-08	3.83E-08	4.78E-09	1.36E-08	1.84E-08
2852	437983.85	3762448.6	6.96E-08	2.19E-07	2.89E-07	1.08E-08	3.58E-08	4.66E-08	5.83E-09	1.66E-08	2.24E-08
2853	437987.36	3762457.1	7.14E-08	2.25E-07	2.96E-07	1.11E-08	3.67E-08	4.78E-08	5.98E-09	1.70E-08	2.30E-08
2854	437990.87	3762465.6	7.33E-08	2.31E-07	3.04E-07	1.14E-08	3.77E-08	4.91E-08	6.13E-09	1.75E-08	2.36E-08
2855	437994.38	3762474.09	7.52E-08	2.37E-07	3.12E-07	1.17E-08	3.87E-08	5.04E-08	6.29E-09	1.79E-08	2.42E-08
2856	437997.89	3762482.59	7.72E-08	2.43E-07	3.20E-07	1.20E-08	3.97E-08	5.17E-08	6.46E-09	1.84E-08	2.49E-08
2857	438001.4	3762491.09	7.93E-08	2.50E-07	3.29E-07	1.23E-08	4.08E-08	5.31E-08	6.64E-09	1.89E-08	2.56E-08
2858	438004.91	3762499.59	8.14E-08	2.56E-07	3.38E-07	1.27E-08	4.19E-08	5.45E-08	6.82E-09	1.94E-08	2.62E-08
2859	438008.42	3762508.08	8.36E-08	2.63E-07	3.47E-07	1.30E-08	4.30E-08	5.60E-08	7.00E-09	2.00E-08	2.70E-08
2860	438011.93	3762516.58	8.60E-08	2.71E-07	3.57E-07	1.34E-08	4.42E-08	5.76E-08	7.19E-09	2.05E-08	2.77E-08
2861	438015.43	3762525.08	8.83E-08	2.78E-07	3.67E-07	1.37E-08	4.54E-08	5.92E-08	7.39E-09	2.11E-08	2.85E-08
2862	438018.94	3762533.57	9.08E-08	2.86E-07	3.77E-07	1.41E-08	4.67E-08	6.08E-08	7.60E-09	2.17E-08	2.93E-08
2863	438022.45	3762542.07	9.33E-08	2.94E-07	3.87E-07	1.45E-08	4.80E-08	6.25E-08	7.81E-09	2.23E-08	3.01E-08

2864	438025.96	3762550.57	9.59E-08	3.02E-07	3.98E-07	1.49E-08	4.93E-08	6.43E-08	8.03E-09	2.29E-08	3.09E-08
2865	438029.47	3762559.06	9.86E-08	3.10E-07	4.09E-07	1.53E-08	5.07E-08	6.60E-08	8.25E-09	2.35E-08	3.18E-08
2866	438032.98	3762567.56	1.01E-07	3.19E-07	4.20E-07	1.57E-08	5.21E-08	6.79E-08	8.48E-09	2.42E-08	3.27E-08
2867	438036.49	3762576.06	1.04E-07	3.28E-07	4.32E-07	1.62E-08	5.36E-08	6.97E-08	8.71E-09	2.48E-08	3.36E-08
2868	438040	3762584.56	1.07E-07	3.37E-07	4.44E-07	1.66E-08	5.50E-08	7.16E-08	8.95E-09	2.55E-08	3.45E-08
2869	438043.51	3762593.05	1.10E-07	3.46E-07	4.56E-07	1.71E-08	5.65E-08	7.36E-08	9.19E-09	2.62E-08	3.54E-08
2870	438047.01	3762601.55	1.13E-07	3.55E-07	4.68E-07	1.75E-08	5.80E-08	7.56E-08	9.44E-09	2.69E-08	3.64E-08
2871	438050.52	3762610.05	1.16E-07	3.65E-07	4.80E-07	1.80E-08	5.96E-08	7.75E-08	9.69E-09	2.76E-08	3.73E-08
2872	438054.03	3762618.54	1.19E-07	3.74E-07	4.93E-07	1.85E-08	6.11E-08	7.96E-08	9.94E-09	2.83E-08	3.83E-08
2873	438057.54	3762627.04	1.22E-07	3.83E-07	5.05E-07	1.89E-08	6.26E-08	8.16E-08	1.02E-08	2.91E-08	3.93E-08
2874	438061.05	3762635.54	1.25E-07	3.93E-07	5.18E-07	1.94E-08	6.42E-08	8.36E-08	1.04E-08	2.98E-08	4.02E-08
2875	438064.56	3762644.03	1.28E-07	4.03E-07	5.31E-07	1.99E-08	6.58E-08	8.56E-08	1.07E-08	3.05E-08	4.12E-08
2876	438068.07	3762652.53	1.31E-07	4.12E-07	5.43E-07	2.03E-08	6.73E-08	8.77E-08	1.10E-08	3.12E-08	4.22E-08
2877	438071.58	3762661.03	1.34E-07	4.22E-07	5.56E-07	2.08E-08	6.89E-08	8.97E-08	1.12E-08	3.20E-08	4.32E-08
2878	438075.09	3762669.52	1.37E-07	4.31E-07	5.68E-07	2.13E-08	7.04E-08	9.17E-08	1.15E-08	3.27E-08	4.41E-08
2879	438078.59	3762678.02	1.40E-07	4.40E-07	5.80E-07	2.17E-08	7.19E-08	9.36E-08	1.17E-08	3.34E-08	4.51E-08
2880	438082.1	3762686.52	1.43E-07	4.49E-07	5.92E-07	2.22E-08	7.34E-08	9.55E-08	1.19E-08	3.40E-08	4.60E-08
2881	438085.61	3762695.02	1.45E-07	4.58E-07	6.03E-07	2.26E-08	7.48E-08	9.74E-08	1.22E-08	3.47E-08	4.69E-08
2882	438089.12	3762703.51	1.48E-07	4.67E-07	6.15E-07	2.30E-08	7.62E-08	9.92E-08	1.24E-08	3.54E-08	4.78E-08
2883	438092.63	3762712.01	1.51E-07	4.75E-07	6.26E-07	2.34E-08	7.76E-08	1.01E-07	1.26E-08	3.60E-08	4.86E-08
2884	437546.7	3762179.72	2.95E-08	9.28E-08	1.22E-07	4.58E-09	1.52E-08	1.97E-08	2.47E-09	7.03E-09	9.50E-09
2885	437537.31	3762179.72	2.92E-08	9.19E-08	1.21E-07	4.54E-09	1.50E-08	1.96E-08	2.44E-09	6.97E-09	9.41E-09
2886	437527.92	3762179.72	2.89E-08	9.11E-08	1.20E-07	4.50E-09	1.49E-08	1.94E-08	2.42E-09	6.90E-09	9.33E-09
2887	437518.53	3762179.72	2.87E-08	9.03E-08	1.19E-07	4.45E-09	1.47E-08	1.92E-08	2.40E-09	6.84E-09	9.24E-09
2888	437509.14	3762179.72	2.84E-08	8.94E-08	1.18E-07	4.41E-09	1.46E-08	1.90E-08	2.38E-09	6.78E-09	9.16E-09
2889	437499.75	3762179.73	2.81E-08	8.86E-08	1.17E-07	4.37E-09	1.45E-08	1.89E-08	2.36E-09	6.72E-09	9.07E-09
2890	437490.36	3762179.73	2.79E-08	8.78E-08	1.16E-07	4.33E-09	1.43E-08	1.87E-08	2.33E-09	6.65E-09	8.99E-09
2891	437480.97	3762179.73	2.76E-08	8.70E-08	1.15E-07	4.29E-09	1.42E-08	1.85E-08	2.31E-09	6.59E-09	8.91E-09
2892	437471.57	3762179.73	2.74E-08	8.63E-08	1.14E-07	4.26E-09	1.41E-08	1.83E-08	2.29E-09	6.54E-09	8.83E-09
2893	437462.18	3762179.73	2.72E-08	8.55E-08	1.13E-07	4.22E-09	1.40E-08	1.82E-08	2.27E-09	6.48E-09	8.75E-09
2894	437452.79	3762179.73	2.69E-08	8.48E-08	1.12E-07	4.18E-09	1.39E-08	1.80E-08	2.25E-09	6.43E-09	8.68E-09
2895	437443.4	3762179.73	2.67E-08	8.41E-08	1.11E-07	4.15E-09	1.37E-08	1.79E-08	2.24E-09	6.37E-09	8.61E-09
2896	437865.06	3762277.81	4.44E-08	1.40E-07	1.84E-07	6.89E-09	2.28E-08	2.97E-08	3.71E-09	1.06E-08	1.43E-08
2897	437873.64	3762281.37	4.46E-08	1.40E-07	1.85E-07	6.93E-09	2.29E-08	2.99E-08	3.73E-09	1.06E-08	1.44E-08
2898	437882.22	3762284.92	4.48E-08	1.41E-07	1.86E-07	6.97E-09	2.31E-08	3.00E-08	3.75E-09	1.07E-08	1.45E-08
2899	437890.81	3762288.48	4.50E-08	1.42E-07	1.87E-07	7.00E-09	2.32E-08	3.02E-08	3.77E-09	1.07E-08	1.45E-08
2900	437899.39	3762292.04	4.52E-08	1.42E-07	1.88E-07	7.03E-09	2.33E-08	3.03E-08	3.79E-09	1.08E-08	1.46E-08
2901	437907.97	3762295.6	4.54E-08	1.43E-07	1.88E-07	7.06E-09	2.34E-08	3.04E-08	3.80E-09	1.08E-08	1.46E-08
2902	437916.55	3762299.15	4.56E-08	1.44E-07	1.89E-07	7.08E-09	2.34E-08	3.05E-08	3.82E-09	1.09E-08	1.47E-08
2903	437925.14	3762302.71	4.57E-08	1.44E-07	1.90E-07	7.10E-09	2.35E-08	3.06E-08	3.83E-09	1.09E-08	1.47E-08
2904	437933.72	3762306.27	4.59E-08	1.44E-07	1.90E-07	7.12E-09	2.36E-08	3.07E-08	3.84E-09	1.09E-08	1.48E-08
2905	437942.3	3762309.83	4.60E-08	1.45E-07	1.91E-07	7.14E-09	2.36E-08	3.08E-08	3.85E-09	1.10E-08	1.48E-08
2906	437950.88	3762313.39	4.61E-08	1.45E-07	1.91E-07	7.16E-09	2.37E-08	3.08E-08	3.85E-09	1.10E-08	1.48E-08
2907	437984.29	3762377.06	5.42E-08	1.71E-07	2.25E-07	8.42E-09	2.79E-08	3.63E-08	4.54E-09	1.29E-08	1.75E-08
2908	437987.84	3762385.64	5.55E-08	1.75E-07	2.30E-07	8.62E-09	2.85E-08	3.71E-08	4.64E-09	1.32E-08	1.79E-08
2909	437991.38	3762394.23	5.68E-08	1.79E-07	2.36E-07	8.82E-09	2.92E-08	3.80E-08	4.75E-09	1.35E-08	1.83E-08
2910	437994.93	3762402.82	5.81E-08	1.83E-07	2.41E-07	9.03E-09	2.99E-08	3.89E-08	4.86E-09	1.39E-08	1.87E-08
2911	437998.47	3762411.41	5.95E-08	1.87E-07	2.47E-07	9.24E-09	3.06E-08	3.98E-08	4.98E-09	1.42E-08	1.92E-08
2912	438002.02	3762419.99	6.09E-08	1.92E-07	2.53E-07	9.46E-09	3.13E-08	4.08E-08	5.10E-09	1.45E-08	1.96E-08
2913	438005.57	3762428.58	6.24E-08	1.97E-07	2.59E-07	9.70E-09	3.21E-08	4.18E-08	5.22E-09	1.49E-08	2.01E-08
2914	438009.11	3762437.17	6.39E-08	2.01E-07	2.65E-07	9.93E-09	3.29E-08	4.28E-08	5.35E-09	1.53E-08	2.06E-08
2915	438012.66	3762445.76	6.55E-08	2.06E-07	2.72E-07	1.02E-08	3.37E-08	4.39E-08	5.48E-09	1.56E-08	2.11E-08
2916	438016.21	3762454.34	6.72E-08	2.11E-07	2.79E-07	1.04E-08	3.45E-08	4.50E-08	5.62E-09	1.60E-08	2.16E-08
2917	438019.75	3762462.93	6.89E-08	2.17E-07	2.86E-07	1.07E-08	3.54E-08	4.61E-08	5.76E-09	1.64E-08	2.22E-08
2918	438023.3	3762471.52	7.06E-08	2.22E-07	2.93E-07	1.10E-08	3.63E-08	4.73E-08	5.91E-09	1.69E-08	2.28E-08
2919	438026.84	3762480.1	7.24E-08	2.28E-07	3.01E-07	1.13E-08	3.73E-08	4.85E-08	6.06E-09	1.73E-08	2.33E-08
2920	438030.39	3762488.69	7.43E-08	2.34E-07	3.08E-07	1.15E-08	3.82E-08	4.98E-08	6.22E-09	1.77E-08	2.40E-08
2921	438033.94	3762497.28	7.63E-08	2.40E-07	3.16E-07	1.19E-08	3.92E-08	5.11E-08	6.38E-09	1.82E-08	2.46E-08
2922	438037.48	3762505.87	7.83E-08	2.47E-07	3.25E-07	1.22E-08	4.03E-08	5.24E-08	6.55E-09	1.87E-08	2.52E-08
2923	438041.03	3762514.45	8.04E-08	2.53E-07	3.34E-07	1.25E-08	4.14E-08	5.38E-08	6.73E-09	1.92E-08	2.59E-08
2924	438044.58	3762523.04	8.25E-08	2.60E-07	3.42E-07	1.28E-08	4.25E-08	5.53E-08	6.91E-09	1.97E-08	2.66E-08

2925	438048.12	3762531.63	8.47E-08	2.67E-07	3.52E-07	1.32E-08	4.36E-08	5.68E-08	7.09E-09	2.02E-08	2.73E-08
2926	438051.67	3762540.22	8.70E-08	2.74E-07	3.61E-07	1.35E-08	4.48E-08	5.83E-08	7.28E-09	2.08E-08	2.80E-08
2927	438055.21	3762548.8	8.93E-08	2.81E-07	3.71E-07	1.39E-08	4.60E-08	5.98E-08	7.48E-09	2.13E-08	2.88E-08
2928	438058.76	3762557.39	9.17E-08	2.89E-07	3.81E-07	1.42E-08	4.72E-08	6.14E-08	7.68E-09	2.19E-08	2.96E-08
2929	438062.31	3762565.98	9.41E-08	2.96E-07	3.91E-07	1.46E-08	4.84E-08	6.30E-08	7.88E-09	2.25E-08	3.03E-08
2930	438065.85	3762574.57	9.66E-08	3.04E-07	4.01E-07	1.50E-08	4.97E-08	6.47E-08	8.09E-09	2.31E-08	3.11E-08
2931	438069.4	3762583.15	9.91E-08	3.12E-07	4.11E-07	1.54E-08	5.10E-08	6.64E-08	8.30E-09	2.37E-08	3.20E-08
2932	438072.95	3762591.74	1.02E-07	3.20E-07	4.22E-07	1.58E-08	5.23E-08	6.81E-08	8.51E-09	2.43E-08	3.28E-08
2933	438076.49	3762600.33	1.04E-07	3.28E-07	4.33E-07	1.62E-08	5.37E-08	6.99E-08	8.73E-09	2.49E-08	3.36E-08
2934	438080.04	3762608.91	1.07E-07	3.37E-07	4.44E-07	1.66E-08	5.50E-08	7.16E-08	8.95E-09	2.55E-08	3.45E-08
2935	438083.58	3762617.5	1.10E-07	3.45E-07	4.55E-07	1.70E-08	5.64E-08	7.34E-08	9.17E-09	2.62E-08	3.53E-08
2936	438087.13	3762626.09	1.12E-07	3.54E-07	4.66E-07	1.74E-08	5.78E-08	7.52E-08	9.40E-09	2.68E-08	3.62E-08
2937	438090.68	3762634.68	1.15E-07	3.62E-07	4.77E-07	1.79E-08	5.91E-08	7.70E-08	9.62E-09	2.74E-08	3.71E-08
2938	438094.22	3762643.26	1.18E-07	3.71E-07	4.88E-07	1.83E-08	6.05E-08	7.88E-08	9.85E-09	2.81E-08	3.79E-08
2939	438097.77	3762651.85	1.20E-07	3.79E-07	4.99E-07	1.87E-08	6.19E-08	8.06E-08	1.01E-08	2.87E-08	3.88E-08
2940	438101.32	3762660.44	1.23E-07	3.87E-07	5.10E-07	1.91E-08	6.33E-08	8.24E-08	1.03E-08	2.93E-08	3.96E-08
2941	438104.86	3762669.03	1.26E-07	3.95E-07	5.21E-07	1.95E-08	6.46E-08	8.41E-08	1.05E-08	3.00E-08	4.05E-08
2942	438108.41	3762677.61	1.28E-07	4.03E-07	5.31E-07	1.99E-08	6.59E-08	8.58E-08	1.07E-08	3.06E-08	4.13E-08
2943	438111.95	3762686.2	1.31E-07	4.11E-07	5.42E-07	2.03E-08	6.71E-08	8.74E-08	1.09E-08	3.11E-08	4.21E-08
2944	438115.5	3762694.79	1.33E-07	4.19E-07	5.52E-07	2.07E-08	6.84E-08	8.90E-08	1.11E-08	3.17E-08	4.28E-08
2945	438119.05	3762703.38	1.35E-07	4.26E-07	5.61E-07	2.10E-08	6.96E-08	9.06E-08	1.13E-08	3.23E-08	4.36E-08
2946	438122.59	3762711.96	1.38E-07	4.33E-07	5.71E-07	2.14E-08	7.08E-08	9.22E-08	1.15E-08	3.28E-08	4.43E-08
2947	437546.7	3762149.72	2.66E-08	8.38E-08	1.10E-07	4.13E-09	1.37E-08	1.78E-08	2.23E-09	6.35E-09	8.58E-09
2948	437537.31	3762149.72	2.64E-08	8.31E-08	1.09E-07	4.10E-09	1.36E-08	1.77E-08	2.21E-09	6.29E-09	8.50E-09
2949	437527.92	3762149.72	2.61E-08	8.23E-08	1.08E-07	4.06E-09	1.34E-08	1.75E-08	2.19E-09	6.24E-09	8.43E-09
2950	437518.53	3762149.72	2.59E-08	8.16E-08	1.07E-07	4.03E-09	1.33E-08	1.74E-08	2.17E-09	6.18E-09	8.35E-09
2951	437509.14	3762149.72	2.57E-08	8.09E-08	1.07E-07	3.99E-09	1.32E-08	1.72E-08	2.15E-09	6.13E-09	8.28E-09
2952	437499.74	3762149.73	2.54E-08	8.01E-08	1.06E-07	3.95E-09	1.31E-08	1.70E-08	2.13E-09	6.07E-09	8.20E-09
2953	437490.35	3762149.73	2.52E-08	7.94E-08	1.05E-07	3.92E-09	1.30E-08	1.69E-08	2.11E-09	6.02E-09	8.13E-09
2954	437480.96	3762149.73	2.50E-08	7.87E-08	1.04E-07	3.88E-09	1.29E-08	1.67E-08	2.09E-09	5.97E-09	8.06E-09
2955	437471.57	3762149.73	2.48E-08	7.80E-08	1.03E-07	3.85E-09	1.28E-08	1.66E-08	2.07E-09	5.91E-09	7.99E-09
2956	437462.18	3762149.73	2.46E-08	7.74E-08	1.02E-07	3.82E-09	1.26E-08	1.65E-08	2.06E-09	5.86E-09	7.92E-09
2957	437452.79	3762149.73	2.44E-08	7.67E-08	1.01E-07	3.79E-09	1.25E-08	1.63E-08	2.04E-09	5.81E-09	7.85E-09
2958	437443.4	3762149.73	2.42E-08	7.61E-08	1.00E-07	3.76E-09	1.24E-08	1.62E-08	2.02E-09	5.77E-09	7.79E-09
2959	437937.37	3762277.78	4.18E-08	1.32E-07	1.73E-07	6.49E-09	2.15E-08	2.80E-08	3.50E-09	9.97E-09	1.35E-08
2960	437946.03	3762281.38	4.19E-08	1.32E-07	1.74E-07	6.51E-09	2.16E-08	2.81E-08	3.51E-09	1.00E-08	1.35E-08
2961	437954.7	3762284.97	4.20E-08	1.32E-07	1.74E-07	6.53E-09	2.16E-08	2.81E-08	3.52E-09	1.00E-08	1.35E-08
2962	438016.5	3762382.45	5.26E-08	1.66E-07	2.18E-07	8.18E-09	2.71E-08	3.53E-08	4.41E-09	1.26E-08	1.70E-08
2963	438020.08	3762391.12	5.38E-08	1.70E-07	2.23E-07	8.36E-09	2.77E-08	3.61E-08	4.51E-09	1.28E-08	1.74E-08
2964	438023.66	3762399.79	5.51E-08	1.73E-07	2.28E-07	8.55E-09	2.83E-08	3.69E-08	4.61E-09	1.31E-08	1.77E-08
2965	438027.24	3762408.46	5.63E-08	1.77E-07	2.34E-07	8.75E-09	2.90E-08	3.77E-08	4.71E-09	1.34E-08	1.82E-08
2966	438030.82	3762417.13	5.76E-08	1.81E-07	2.39E-07	8.95E-09	2.96E-08	3.86E-08	4.82E-09	1.38E-08	1.86E-08
2967	438034.4	3762425.8	5.90E-08	1.86E-07	2.45E-07	9.16E-09	3.03E-08	3.95E-08	4.94E-09	1.41E-08	1.90E-08
2968	438037.98	3762434.47	6.04E-08	1.90E-07	2.50E-07	9.38E-09	3.11E-08	4.04E-08	5.05E-09	1.44E-08	1.95E-08
2969	438041.56	3762443.14	6.18E-08	1.95E-07	2.56E-07	9.60E-09	3.18E-08	4.14E-08	5.17E-09	1.47E-08	1.99E-08
2970	438045.14	3762451.81	6.33E-08	1.99E-07	2.63E-07	9.84E-09	3.26E-08	4.24E-08	5.30E-09	1.51E-08	2.04E-08
2971	438048.72	3762460.48	6.49E-08	2.04E-07	2.69E-07	1.01E-08	3.34E-08	4.34E-08	5.43E-09	1.55E-08	2.09E-08
2972	438052.3	3762469.15	6.65E-08	2.09E-07	2.76E-07	1.03E-08	3.42E-08	4.45E-08	5.56E-09	1.59E-08	2.14E-08
2973	438055.88	3762477.82	6.81E-08	2.15E-07	2.83E-07	1.06E-08	3.50E-08	4.56E-08	5.70E-09	1.63E-08	2.20E-08
2974	438059.47	3762486.49	6.98E-08	2.20E-07	2.90E-07	1.09E-08	3.59E-08	4.68E-08	5.85E-09	1.67E-08	2.25E-08
2975	438063.05	3762495.16	7.16E-08	2.26E-07	2.97E-07	1.11E-08	3.68E-08	4.80E-08	5.99E-09	1.71E-08	2.31E-08
2976	438066.63	3762503.83	7.35E-08	2.31E-07	3.05E-07	1.14E-08	3.78E-08	4.92E-08	6.15E-09	1.75E-08	2.37E-08
2977	438070.21	3762512.51	7.54E-08	2.37E-07	3.13E-07	1.17E-08	3.88E-08	5.05E-08	6.31E-09	1.80E-08	2.43E-08
2978	438073.79	3762521.18	7.73E-08	2.43E-07	3.21E-07	1.20E-08	3.98E-08	5.18E-08	6.47E-09	1.84E-08	2.49E-08
2979	438077.37	3762529.85	7.93E-08	2.50E-07	3.29E-07	1.23E-08	4.08E-08	5.31E-08	6.64E-09	1.89E-08	2.56E-08
2980	438080.95	3762538.52	8.13E-08	2.56E-07	3.37E-07	1.26E-08	4.18E-08	5.45E-08	6.81E-09	1.94E-08	2.62E-08
2981	438084.53	3762547.19	8.34E-08	2.63E-07	3.46E-07	1.30E-08	4.29E-08	5.59E-08	6.98E-09	1.99E-08	2.69E-08
2982	438088.11	3762555.86	8.55E-08	2.69E-07	3.55E-07	1.33E-08	4.40E-08	5.73E-08	7.16E-09	2.04E-08	2.76E-08
2983	438091.69	3762564.53	8.77E-08	2.76E-07	3.64E-07	1.36E-08	4.51E-08	5.87E-08	7.34E-09	2.09E-08	2.83E-08
2984	438095.27	3762573.2	8.99E-08	2.83E-07	3.73E-07	1.40E-08	4.63E-08	6.02E-08	7.53E-09	2.15E-08	2.90E-08
2985	438098.85	3762581.87	9.22E-08	2.90E-07	3.83E-07	1.43E-08	4.74E-08	6.18E-08	7.72E-09	2.20E-08	2.97E-08

2986	438102.43	3762590.54	9.45E-08	2.98E-07	3.92E-07	1.47E-08	4.86E-08	6.33E-08	7.91E-09	2.25E-08	3.05E-08
2987	438106.01	3762599.21	9.68E-08	3.05E-07	4.02E-07	1.50E-08	4.98E-08	6.49E-08	8.10E-09	2.31E-08	3.12E-08
2988	438109.59	3762607.88	9.92E-08	3.12E-07	4.12E-07	1.54E-08	5.10E-08	6.64E-08	8.30E-09	2.37E-08	3.20E-08
2989	438113.17	3762616.55	1.02E-07	3.20E-07	4.21E-07	1.58E-08	5.22E-08	6.80E-08	8.50E-09	2.42E-08	3.27E-08
2990	438116.75	3762625.22	1.04E-07	3.27E-07	4.31E-07	1.61E-08	5.35E-08	6.96E-08	8.70E-09	2.48E-08	3.35E-08
2991	438120.33	3762633.89	1.06E-07	3.35E-07	4.41E-07	1.65E-08	5.47E-08	7.12E-08	8.89E-09	2.54E-08	3.43E-08
2992	438123.91	3762642.56	1.09E-07	3.42E-07	4.51E-07	1.69E-08	5.59E-08	7.28E-08	9.09E-09	2.59E-08	3.50E-08
2993	438127.5	3762651.23	1.11E-07	3.50E-07	4.60E-07	1.72E-08	5.71E-08	7.43E-08	9.29E-09	2.65E-08	3.58E-08
2994	438131.08	3762659.9	1.13E-07	3.57E-07	4.70E-07	1.76E-08	5.83E-08	7.59E-08	9.48E-09	2.70E-08	3.65E-08
2995	438134.66	3762668.57	1.16E-07	3.64E-07	4.79E-07	1.80E-08	5.95E-08	7.74E-08	9.67E-09	2.76E-08	3.72E-08
2996	438138.24	3762677.24	1.18E-07	3.71E-07	4.89E-07	1.83E-08	6.06E-08	7.89E-08	9.86E-09	2.81E-08	3.80E-08
2997	438141.82	3762685.91	1.20E-07	3.78E-07	4.98E-07	1.86E-08	6.17E-08	8.03E-08	1.00E-08	2.86E-08	3.87E-08
2998	438145.4	3762694.58	1.22E-07	3.84E-07	5.06E-07	1.90E-08	6.28E-08	8.17E-08	1.02E-08	2.91E-08	3.93E-08
2999	438148.98	3762703.25	1.24E-07	3.91E-07	5.15E-07	1.93E-08	6.38E-08	8.31E-08	1.04E-08	2.96E-08	4.00E-08
3000	438152.56	3762711.92	1.26E-07	3.97E-07	5.23E-07	1.96E-08	6.48E-08	8.44E-08	1.05E-08	3.01E-08	4.06E-08
3001	437546.7	3762119.72	2.42E-08	7.61E-08	1.00E-07	3.75E-09	1.24E-08	1.62E-08	2.02E-09	5.76E-09	7.79E-09
3002	437537.31	3762119.72	2.39E-08	7.54E-08	9.94E-08	3.72E-09	1.23E-08	1.60E-08	2.00E-09	5.71E-09	7.72E-09
3003	437527.91	3762119.72	2.37E-08	7.47E-08	9.85E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.66E-09	7.65E-09
3004	437518.52	3762119.72	2.35E-08	7.41E-08	9.76E-08	3.66E-09	1.21E-08	1.58E-08	1.97E-09	5.61E-09	7.58E-09
3005	437509.13	3762119.72	2.33E-08	7.35E-08	9.68E-08	3.63E-09	1.20E-08	1.56E-08	1.95E-09	5.57E-09	7.52E-09
3006	437499.74	3762119.73	2.31E-08	7.29E-08	9.60E-08	3.60E-09	1.19E-08	1.55E-08	1.94E-09	5.52E-09	7.46E-09
3007	437490.35	3762119.73	2.29E-08	7.23E-08	9.52E-08	3.57E-09	1.18E-08	1.54E-08	1.92E-09	5.48E-09	7.40E-09
3008	437480.96	3762119.73	2.28E-08	7.16E-08	9.44E-08	3.54E-09	1.17E-08	1.52E-08	1.90E-09	5.43E-09	7.33E-09
3009	437471.57	3762119.73	2.26E-08	7.10E-08	9.36E-08	3.51E-09	1.16E-08	1.51E-08	1.89E-09	5.38E-09	7.27E-09
3010	437462.18	3762119.73	2.24E-08	7.04E-08	9.28E-08	3.48E-09	1.15E-08	1.50E-08	1.87E-09	5.34E-09	7.21E-09
3011	437452.79	3762119.73	2.22E-08	6.99E-08	9.21E-08	3.45E-09	1.14E-08	1.49E-08	1.86E-09	5.29E-09	7.15E-09
3012	437443.4	3762119.73	2.20E-08	6.93E-08	9.13E-08	3.42E-09	1.13E-08	1.47E-08	1.84E-09	5.25E-09	7.10E-09
3013	437983.36	3762256.85	3.77E-08	1.19E-07	1.56E-07	5.85E-09	1.94E-08	2.52E-08	3.15E-09	8.99E-09	1.21E-08
3014	437991.91	3762260.4	3.77E-08	1.19E-07	1.57E-07	5.86E-09	1.94E-08	2.53E-08	3.16E-09	9.01E-09	1.22E-08
3015	438000.45	3762263.94	3.78E-08	1.19E-07	1.57E-07	5.88E-09	1.95E-08	2.53E-08	3.16E-09	9.02E-09	1.22E-08
3016	438012.53	3762276.03	3.86E-08	1.22E-07	1.60E-07	6.00E-09	1.99E-08	2.59E-08	3.23E-09	9.22E-09	1.25E-08
3017	438016.06	3762284.58	3.94E-08	1.24E-07	1.64E-07	6.12E-09	2.03E-08	2.64E-08	3.30E-09	9.41E-09	1.27E-08
3018	438019.59	3762293.13	4.02E-08	1.27E-07	1.67E-07	6.25E-09	2.07E-08	2.69E-08	3.37E-09	9.60E-09	1.30E-08
3019	438023.12	3762301.68	4.10E-08	1.29E-07	1.70E-07	6.37E-09	2.11E-08	2.75E-08	3.43E-09	9.79E-09	1.32E-08
3020	438026.65	3762310.23	4.19E-08	1.32E-07	1.74E-07	6.50E-09	2.15E-08	2.80E-08	3.50E-09	9.99E-09	1.35E-08
3021	438030.18	3762318.78	4.27E-08	1.34E-07	1.77E-07	6.63E-09	2.20E-08	2.86E-08	3.57E-09	1.02E-08	1.38E-08
3022	438033.71	3762327.33	4.36E-08	1.37E-07	1.81E-07	6.77E-09	2.24E-08	2.92E-08	3.65E-09	1.04E-08	1.40E-08
3023	438037.25	3762335.88	4.45E-08	1.40E-07	1.84E-07	6.91E-09	2.29E-08	2.98E-08	3.72E-09	1.06E-08	1.43E-08
3024	438040.78	3762344.43	4.54E-08	1.43E-07	1.88E-07	7.05E-09	2.33E-08	3.04E-08	3.80E-09	1.08E-08	1.46E-08
3025	438054.9	3762378.64	4.92E-08	1.55E-07	2.04E-07	7.65E-09	2.53E-08	3.30E-08	4.12E-09	1.17E-08	1.59E-08
3026	438058.43	3762387.19	5.02E-08	1.58E-07	2.08E-07	7.81E-09	2.58E-08	3.37E-08	4.21E-09	1.20E-08	1.62E-08
3027	438061.96	3762395.74	5.13E-08	1.62E-07	2.13E-07	7.97E-09	2.64E-08	3.44E-08	4.29E-09	1.22E-08	1.65E-08
3028	438065.49	3762404.29	5.24E-08	1.65E-07	2.17E-07	8.14E-09	2.70E-08	3.51E-08	4.39E-09	1.25E-08	1.69E-08
3029	438069.02	3762412.84	5.35E-08	1.69E-07	2.22E-07	8.32E-09	2.75E-08	3.59E-08	4.48E-09	1.28E-08	1.73E-08
3030	438072.56	3762421.39	5.47E-08	1.72E-07	2.27E-07	8.50E-09	2.81E-08	3.66E-08	4.58E-09	1.31E-08	1.76E-08
3031	438076.09	3762429.94	5.59E-08	1.76E-07	2.32E-07	8.69E-09	2.88E-08	3.74E-08	4.68E-09	1.33E-08	1.80E-08
3032	438079.62	3762438.49	5.72E-08	1.80E-07	2.37E-07	8.88E-09	2.94E-08	3.83E-08	4.78E-09	1.36E-08	1.84E-08
3033	438083.15	3762447.04	5.85E-08	1.84E-07	2.43E-07	9.08E-09	3.01E-08	3.92E-08	4.89E-09	1.39E-08	1.88E-08
3034	438086.68	3762455.59	5.98E-08	1.88E-07	2.48E-07	9.29E-09	3.08E-08	4.00E-08	5.00E-09	1.43E-08	1.93E-08
3035	438090.21	3762464.14	6.12E-08	1.93E-07	2.54E-07	9.50E-09	3.15E-08	4.10E-08	5.12E-09	1.46E-08	1.97E-08
3036	438093.74	3762472.69	6.26E-08	1.97E-07	2.60E-07	9.73E-09	3.22E-08	4.19E-08	5.24E-09	1.49E-08	2.02E-08
3037	438097.27	3762481.24	6.41E-08	2.02E-07	2.66E-07	9.96E-09	3.30E-08	4.29E-08	5.36E-09	1.53E-08	2.07E-08
3038	438100.8	3762489.79	6.56E-08	2.07E-07	2.72E-07	1.02E-08	3.37E-08	4.39E-08	5.49E-09	1.57E-08	2.11E-08
3039	438104.33	3762498.34	6.72E-08	2.11E-07	2.79E-07	1.04E-08	3.46E-08	4.50E-08	5.62E-09	1.60E-08	2.16E-08
3040	438107.86	3762506.89	6.88E-08	2.17E-07	2.85E-07	1.07E-08	3.54E-08	4.61E-08	5.76E-09	1.64E-08	2.22E-08
3041	438111.4	3762515.44	7.04E-08	2.22E-07	2.92E-07	1.09E-08	3.62E-08	4.72E-08	5.89E-09	1.68E-08	2.27E-08
3042	438114.93	3762523.99	7.21E-08	2.27E-07	2.99E-07	1.12E-08	3.71E-08	4.83E-08	6.03E-09	1.72E-08	2.32E-08
3043	438118.46	3762532.54	7.38E-08	2.32E-07	3.06E-07	1.15E-08	3.80E-08	4.94E-08	6.18E-09	1.76E-08	2.38E-08
3044	438121.99	3762541.09	7.56E-08	2.38E-07	3.13E-07	1.17E-08	3.89E-08	5.06E-08	6.32E-09	1.80E-08	2.44E-08
3045	438125.52	3762549.64	7.74E-08	2.44E-07	3.21E-07	1.20E-08	3.98E-08	5.18E-08	6.48E-09	1.85E-08	2.49E-08
3046	438129.05	3762558.19	7.92E-08	2.50E-07	3.29E-07	1.23E-08	4.08E-08	5.31E-08	6.63E-09	1.89E-08	2.55E-08

3047	438132.58	3762566.74	8.11E-08	2.55E-07	3.37E-07	1.26E-08	4.17E-08	5.43E-08	6.79E-09	1.94E-08	2.61E-08
3048	438136.11	3762575.3	8.30E-08	2.61E-07	3.44E-07	1.29E-08	4.27E-08	5.56E-08	6.95E-09	1.98E-08	2.68E-08
3049	438139.64	3762583.85	8.49E-08	2.68E-07	3.52E-07	1.32E-08	4.37E-08	5.69E-08	7.11E-09	2.03E-08	2.74E-08
3050	438143.17	3762592.4	8.69E-08	2.74E-07	3.61E-07	1.35E-08	4.47E-08	5.82E-08	7.27E-09	2.07E-08	2.80E-08
3051	438146.71	3762600.95	8.88E-08	2.80E-07	3.69E-07	1.38E-08	4.57E-08	5.95E-08	7.44E-09	2.12E-08	2.86E-08
3052	438150.24	3762609.5	9.08E-08	2.86E-07	3.77E-07	1.41E-08	4.67E-08	6.08E-08	7.60E-09	2.17E-08	2.93E-08
3053	438153.77	3762618.05	9.28E-08	2.92E-07	3.85E-07	1.44E-08	4.77E-08	6.21E-08	7.77E-09	2.21E-08	2.99E-08
3054	438157.3	3762626.6	9.47E-08	2.98E-07	3.93E-07	1.47E-08	4.87E-08	6.35E-08	7.93E-09	2.26E-08	3.05E-08
3055	438160.83	3762635.15	9.67E-08	3.05E-07	4.01E-07	1.50E-08	4.97E-08	6.48E-08	8.09E-09	2.31E-08	3.12E-08
3056	438164.36	3762643.7	9.86E-08	3.11E-07	4.09E-07	1.53E-08	5.07E-08	6.61E-08	8.26E-09	2.35E-08	3.18E-08
3057	438167.89	3762652.25	1.01E-07	3.17E-07	4.17E-07	1.56E-08	5.17E-08	6.74E-08	8.42E-09	2.40E-08	3.24E-08
3058	438171.42	3762660.8	1.02E-07	3.23E-07	4.25E-07	1.59E-08	5.27E-08	6.86E-08	8.57E-09	2.44E-08	3.30E-08
3059	438174.95	3762669.35	1.04E-07	3.28E-07	4.33E-07	1.62E-08	5.37E-08	6.99E-08	8.73E-09	2.49E-08	3.36E-08
3060	438178.48	3762677.9	1.06E-07	3.34E-07	4.40E-07	1.65E-08	5.46E-08	7.11E-08	8.88E-09	2.53E-08	3.42E-08
3061	438182.02	3762686.45	1.08E-07	3.40E-07	4.48E-07	1.68E-08	5.55E-08	7.23E-08	9.03E-09	2.57E-08	3.48E-08
3062	438185.55	3762695	1.10E-07	3.45E-07	4.55E-07	1.70E-08	5.64E-08	7.34E-08	9.17E-09	2.61E-08	3.53E-08
3063	438189.08	3762703.55	1.11E-07	3.50E-07	4.61E-07	1.73E-08	5.72E-08	7.45E-08	9.31E-09	2.65E-08	3.58E-08
3064	438192.61	3762712.1	1.13E-07	3.55E-07	4.68E-07	1.75E-08	5.80E-08	7.55E-08	9.44E-09	2.69E-08	3.63E-08
3065	437985.74	3762217.84	3.38E-08	1.06E-07	1.40E-07	5.25E-09	1.74E-08	2.26E-08	2.83E-09	8.06E-09	1.09E-08
3066	437994.34	3762221.4	3.39E-08	1.07E-07	1.40E-07	5.26E-09	1.74E-08	2.27E-08	2.83E-09	8.08E-09	1.09E-08
3067	438002.93	3762224.97	3.39E-08	1.07E-07	1.41E-07	5.27E-09	1.75E-08	2.27E-08	2.84E-09	8.10E-09	1.09E-08
3068	438011.52	3762228.53	3.40E-08	1.07E-07	1.41E-07	5.28E-09	1.75E-08	2.28E-08	2.85E-09	8.12E-09	1.10E-08
3069	438020.11	3762232.09	3.41E-08	1.07E-07	1.41E-07	5.29E-09	1.75E-08	2.28E-08	2.85E-09	8.13E-09	1.10E-08
3070	438028.71	3762235.65	3.41E-08	1.07E-07	1.42E-07	5.30E-09	1.76E-08	2.29E-08	2.86E-09	8.14E-09	1.10E-08
3071	438040.85	3762247.81	3.48E-08	1.10E-07	1.44E-07	5.41E-09	1.79E-08	2.33E-08	2.92E-09	8.31E-09	1.12E-08
3072	438044.4	3762256.41	3.55E-08	1.12E-07	1.47E-07	5.51E-09	1.83E-08	2.38E-08	2.97E-09	8.47E-09	1.14E-08
3073	438047.95	3762265.01	3.62E-08	1.14E-07	1.50E-07	5.62E-09	1.86E-08	2.42E-08	3.03E-09	8.63E-09	1.17E-08
3074	438051.5	3762273.61	3.69E-08	1.16E-07	1.53E-07	5.73E-09	1.90E-08	2.47E-08	3.08E-09	8.79E-09	1.19E-08
3075	438055.05	3762282.21	3.76E-08	1.18E-07	1.56E-07	5.83E-09	1.93E-08	2.52E-08	3.14E-09	8.96E-09	1.21E-08
3076	438058.61	3762290.8	3.83E-08	1.20E-07	1.59E-07	5.94E-09	1.97E-08	2.56E-08	3.20E-09	9.13E-09	1.23E-08
3077	438062.16	3762299.4	3.90E-08	1.23E-07	1.62E-07	6.06E-09	2.01E-08	2.61E-08	3.26E-09	9.30E-09	1.26E-08
3078	438065.71	3762308	3.97E-08	1.25E-07	1.65E-07	6.17E-09	2.04E-08	2.66E-08	3.32E-09	9.48E-09	1.28E-08
3079	438069.26	3762316.6	4.05E-08	1.27E-07	1.68E-07	6.29E-09	2.08E-08	2.71E-08	3.39E-09	9.66E-09	1.30E-08
3080	438072.81	3762325.2	4.12E-08	1.30E-07	1.71E-07	6.41E-09	2.12E-08	2.76E-08	3.45E-09	9.84E-09	1.33E-08
3081	438076.36	3762333.8	4.20E-08	1.32E-07	1.74E-07	6.53E-09	2.16E-08	2.82E-08	3.52E-09	1.00E-08	1.35E-08
3082	438079.91	3762342.39	4.28E-08	1.35E-07	1.78E-07	6.66E-09	2.20E-08	2.87E-08	3.59E-09	1.02E-08	1.38E-08
3083	438083.46	3762350.99	4.37E-08	1.38E-07	1.81E-07	6.79E-09	2.25E-08	2.93E-08	3.66E-09	1.04E-08	1.41E-08
3084	438087.01	3762359.59	4.45E-08	1.40E-07	1.85E-07	6.92E-09	2.29E-08	2.98E-08	3.73E-09	1.06E-08	1.44E-08
3085	438090.56	3762368.19	4.54E-08	1.43E-07	1.88E-07	7.05E-09	2.34E-08	3.04E-08	3.80E-09	1.08E-08	1.46E-08
3086	438094.11	3762376.79	4.63E-08	1.46E-07	1.92E-07	7.19E-09	2.38E-08	3.10E-08	3.87E-09	1.10E-08	1.49E-08
3087	438097.66	3762385.38	4.72E-08	1.49E-07	1.96E-07	7.34E-09	2.43E-08	3.16E-08	3.95E-09	1.13E-08	1.52E-08
3088	438101.21	3762393.98	4.82E-08	1.52E-07	2.00E-07	7.48E-09	2.48E-08	3.23E-08	4.03E-09	1.15E-08	1.55E-08
3089	438104.76	3762402.58	4.92E-08	1.55E-07	2.04E-07	7.64E-09	2.53E-08	3.29E-08	4.11E-09	1.17E-08	1.58E-08
3090	438108.31	3762411.18	5.02E-08	1.58E-07	2.08E-07	7.80E-09	2.58E-08	3.36E-08	4.20E-09	1.20E-08	1.62E-08
3091	438111.87	3762419.78	5.12E-08	1.61E-07	2.12E-07	7.96E-09	2.63E-08	3.43E-08	4.29E-09	1.22E-08	1.65E-08
3092	438115.42	3762428.37	5.23E-08	1.65E-07	2.17E-07	8.13E-09	2.69E-08	3.50E-08	4.38E-09	1.25E-08	1.69E-08
3093	438118.97	3762436.97	5.34E-08	1.68E-07	2.22E-07	8.30E-09	2.75E-08	3.58E-08	4.47E-09	1.27E-08	1.72E-08
3094	438122.52	3762445.57	5.46E-08	1.72E-07	2.26E-07	8.48E-09	2.81E-08	3.66E-08	4.57E-09	1.30E-08	1.76E-08
3095	438126.07	3762454.17	5.58E-08	1.76E-07	2.31E-07	8.67E-09	2.87E-08	3.74E-08	4.67E-09	1.33E-08	1.80E-08
3096	438129.62	3762462.77	5.70E-08	1.80E-07	2.37E-07	8.86E-09	2.93E-08	3.82E-08	4.77E-09	1.36E-08	1.84E-08
3097	438133.17	3762471.37	5.83E-08	1.84E-07	2.42E-07	9.06E-09	3.00E-08	3.90E-08	4.88E-09	1.39E-08	1.88E-08
3098	438136.72	3762479.96	5.96E-08	1.88E-07	2.47E-07	9.26E-09	3.07E-08	3.99E-08	4.99E-09	1.42E-08	1.92E-08
3099	438140.27	3762488.56	6.10E-08	1.92E-07	2.53E-07	9.47E-09	3.14E-08	4.08E-08	5.10E-09	1.45E-08	1.96E-08
3100	438143.82	3762497.16	6.23E-08	1.96E-07	2.59E-07	9.69E-09	3.21E-08	4.18E-08	5.22E-09	1.49E-08	2.01E-08
3101	438147.37	3762505.76	6.38E-08	2.01E-07	2.65E-07	9.91E-09	3.28E-08	4.27E-08	5.34E-09	1.52E-08	2.06E-08
3102	438150.92	3762514.36	6.52E-08	2.05E-07	2.71E-07	1.01E-08	3.36E-08	4.37E-08	5.46E-09	1.56E-08	2.10E-08
3103	438154.47	3762522.95	6.67E-08	2.10E-07	2.77E-07	1.04E-08	3.43E-08	4.47E-08	5.58E-09	1.59E-08	2.15E-08
3104	438158.02	3762531.55	6.82E-08	2.15E-07	2.83E-07	1.06E-08	3.51E-08	4.57E-08	5.71E-09	1.63E-08	2.20E-08
3105	438161.58	3762540.15	6.98E-08	2.20E-07	2.90E-07	1.08E-08	3.59E-08	4.68E-08	5.84E-09	1.67E-08	2.25E-08
3106	438165.13	3762548.75	7.14E-08	2.25E-07	2.96E-07	1.11E-08	3.67E-08	4.78E-08	5.97E-09	1.70E-08	2.30E-08
3107	438168.68	3762557.35	7.30E-08	2.30E-07	3.03E-07	1.13E-08	3.76E-08	4.89E-08	6.11E-09	1.74E-08	2.35E-08

3108	438172.23	3762565.94	7.46E-08	2.35E-07	3.10E-07	1.16E-08	3.84E-08	5.00E-08	6.25E-09	1.78E-08	2.41E-08
3109	438175.78	3762574.54	7.63E-08	2.40E-07	3.16E-07	1.19E-08	3.92E-08	5.11E-08	6.38E-09	1.82E-08	2.46E-08
3110	438179.33	3762583.14	7.79E-08	2.45E-07	3.23E-07	1.21E-08	4.01E-08	5.22E-08	6.52E-09	1.86E-08	2.51E-08
3111	438193.53	3762617.53	8.46E-08	2.67E-07	3.51E-07	1.31E-08	4.35E-08	5.67E-08	7.08E-09	2.02E-08	2.73E-08
3112	438197.08	3762626.13	8.63E-08	2.72E-07	3.58E-07	1.34E-08	4.44E-08	5.78E-08	7.22E-09	2.06E-08	2.78E-08
3113	438200.63	3762634.73	8.79E-08	2.77E-07	3.65E-07	1.37E-08	4.52E-08	5.89E-08	7.36E-09	2.10E-08	2.83E-08
3114	438204.18	3762643.33	8.96E-08	2.82E-07	3.72E-07	1.39E-08	4.61E-08	6.00E-08	7.50E-09	2.14E-08	2.89E-08
3115	438207.73	3762651.93	9.12E-08	2.87E-07	3.78E-07	1.42E-08	4.69E-08	6.11E-08	7.63E-09	2.18E-08	2.94E-08
3116	438211.28	3762660.52	9.28E-08	2.92E-07	3.85E-07	1.44E-08	4.78E-08	6.22E-08	7.77E-09	2.21E-08	2.99E-08
3117	438214.84	3762669.12	9.44E-08	2.97E-07	3.92E-07	1.47E-08	4.85E-08	6.32E-08	7.90E-09	2.25E-08	3.04E-08
3118	438218.39	3762677.72	9.59E-08	3.02E-07	3.98E-07	1.49E-08	4.93E-08	6.42E-08	8.02E-09	2.29E-08	3.09E-08
3119	438221.94	3762686.32	9.73E-08	3.07E-07	4.04E-07	1.51E-08	5.01E-08	6.52E-08	8.15E-09	2.32E-08	3.14E-08
3120	438225.49	3762694.92	9.88E-08	3.11E-07	4.10E-07	1.53E-08	5.08E-08	6.62E-08	8.27E-09	2.36E-08	3.18E-08
3121	438229.04	3762703.51	1.00E-07	3.15E-07	4.16E-07	1.56E-08	5.15E-08	6.71E-08	8.39E-09	2.39E-08	3.23E-08
3122	438232.59	3762712.11	1.01E-07	3.19E-07	4.20E-07	1.57E-08	5.21E-08	6.78E-08	8.47E-09	2.42E-08	3.26E-08
3123	437987.88	3762178.73	3.04E-08	9.57E-08	1.26E-07	4.72E-09	1.56E-08	2.04E-08	2.54E-09	7.25E-09	9.80E-09
3124	437996.52	3762182.31	3.05E-08	9.60E-08	1.27E-07	4.74E-09	1.57E-08	2.04E-08	2.55E-09	7.28E-09	9.83E-09
3125	438005.15	3762185.89	3.06E-08	9.63E-08	1.27E-07	4.75E-09	1.57E-08	2.05E-08	2.56E-09	7.30E-09	9.86E-09
3126	438013.79	3762189.47	3.07E-08	9.66E-08	1.27E-07	4.77E-09	1.58E-08	2.06E-08	2.57E-09	7.32E-09	9.89E-09
3127	438022.42	3762193.05	3.08E-08	9.69E-08	1.28E-07	4.78E-09	1.58E-08	2.06E-08	2.57E-09	7.34E-09	9.91E-09
3128	438031.06	3762196.63	3.08E-08	9.71E-08	1.28E-07	4.79E-09	1.59E-08	2.07E-08	2.58E-09	7.36E-09	9.94E-09
3129	438039.7	3762200.21	3.09E-08	9.73E-08	1.28E-07	4.80E-09	1.59E-08	2.07E-08	2.59E-09	7.37E-09	9.96E-09
3130	438048.33	3762203.79	3.10E-08	9.75E-08	1.28E-07	4.81E-09	1.59E-08	2.07E-08	2.59E-09	7.39E-09	9.98E-09
3131	438056.97	3762207.37	3.10E-08	9.76E-08	1.29E-07	4.82E-09	1.59E-08	2.08E-08	2.59E-09	7.40E-09	9.99E-09
3132	438069.17	3762219.59	3.16E-08	9.95E-08	1.31E-07	4.91E-09	1.63E-08	2.12E-08	2.65E-09	7.54E-09	1.02E-08
3133	438072.74	3762228.23	3.22E-08	1.01E-07	1.33E-07	5.00E-09	1.66E-08	2.16E-08	2.69E-09	7.68E-09	1.04E-08
3134	438076.31	3762236.87	3.27E-08	1.03E-07	1.36E-07	5.09E-09	1.68E-08	2.19E-08	2.74E-09	7.81E-09	1.06E-08
3135	438079.88	3762245.52	3.33E-08	1.05E-07	1.38E-07	5.18E-09	1.71E-08	2.23E-08	2.79E-09	7.95E-09	1.07E-08
3136	438083.45	3762254.16	3.39E-08	1.07E-07	1.41E-07	5.27E-09	1.75E-08	2.27E-08	2.84E-09	8.10E-09	1.09E-08
3137	438087.02	3762262.8	3.45E-08	1.09E-07	1.43E-07	5.37E-09	1.78E-08	2.31E-08	2.89E-09	8.24E-09	1.11E-08
3138	438090.58	3762271.44	3.51E-08	1.11E-07	1.46E-07	5.46E-09	1.81E-08	2.35E-08	2.94E-09	8.39E-09	1.13E-08
3139	438094.15	3762280.08	3.58E-08	1.13E-07	1.48E-07	5.56E-09	1.84E-08	2.40E-08	2.99E-09	8.54E-09	1.15E-08
3140	438097.72	3762288.72	3.64E-08	1.15E-07	1.51E-07	5.66E-09	1.87E-08	2.44E-08	3.05E-09	8.69E-09	1.17E-08
3141	438101.29	3762297.36	3.71E-08	1.17E-07	1.54E-07	5.76E-09	1.91E-08	2.48E-08	3.10E-09	8.84E-09	1.19E-08
3142	438104.86	3762306	3.77E-08	1.19E-07	1.56E-07	5.86E-09	1.94E-08	2.53E-08	3.16E-09	9.00E-09	1.22E-08
3143	438108.43	3762314.64	3.84E-08	1.21E-07	1.59E-07	5.96E-09	1.97E-08	2.57E-08	3.21E-09	9.16E-09	1.24E-08
3144	438111.99	3762323.28	3.91E-08	1.23E-07	1.62E-07	6.07E-09	2.01E-08	2.62E-08	3.27E-09	9.32E-09	1.26E-08
3145	438115.56	3762331.92	3.98E-08	1.25E-07	1.65E-07	6.18E-09	2.05E-08	2.66E-08	3.33E-09	9.49E-09	1.28E-08
3146	438119.13	3762340.57	4.05E-08	1.28E-07	1.68E-07	6.29E-09	2.08E-08	2.71E-08	3.39E-09	9.67E-09	1.31E-08
3147	438122.7	3762349.21	4.12E-08	1.30E-07	1.71E-07	6.41E-09	2.12E-08	2.76E-08	3.45E-09	9.84E-09	1.33E-08
3148	438126.27	3762357.85	4.20E-08	1.32E-07	1.74E-07	6.53E-09	2.16E-08	2.81E-08	3.52E-09	1.00E-08	1.35E-08
3149	438129.84	3762366.49	4.28E-08	1.35E-07	1.78E-07	6.65E-09	2.20E-08	2.87E-08	3.58E-09	1.02E-08	1.38E-08
3150	438133.4	3762375.13	4.36E-08	1.37E-07	1.81E-07	6.78E-09	2.24E-08	2.92E-08	3.65E-09	1.04E-08	1.41E-08
3151	438136.97	3762383.77	4.45E-08	1.40E-07	1.84E-07	6.91E-09	2.29E-08	2.98E-08	3.72E-09	1.06E-08	1.43E-08
3152	438140.54	3762392.41	4.53E-08	1.43E-07	1.88E-07	7.04E-09	2.33E-08	3.04E-08	3.79E-09	1.08E-08	1.46E-08
3153	438144.11	3762401.05	4.62E-08	1.46E-07	1.92E-07	7.18E-09	2.38E-08	3.10E-08	3.87E-09	1.10E-08	1.49E-08
3154	438147.68	3762409.69	4.71E-08	1.48E-07	1.96E-07	7.32E-09	2.42E-08	3.16E-08	3.94E-09	1.12E-08	1.52E-08
3155	438151.25	3762418.33	4.81E-08	1.51E-07	1.99E-07	7.47E-09	2.47E-08	3.22E-08	4.02E-09	1.15E-08	1.55E-08
3156	438154.81	3762426.98	4.90E-08	1.54E-07	2.04E-07	7.62E-09	2.52E-08	3.29E-08	4.11E-09	1.17E-08	1.58E-08
3157	438158.38	3762435.62	5.01E-08	1.58E-07	2.08E-07	7.78E-09	2.58E-08	3.35E-08	4.19E-09	1.19E-08	1.61E-08
3158	438161.95	3762444.26	5.11E-08	1.61E-07	2.12E-07	7.94E-09	2.63E-08	3.42E-08	4.28E-09	1.22E-08	1.65E-08
3159	438165.52	3762452.9	5.22E-08	1.64E-07	2.17E-07	8.11E-09	2.68E-08	3.50E-08	4.37E-09	1.25E-08	1.68E-08
3160	438169.09	3762461.54	5.33E-08	1.68E-07	2.21E-07	8.28E-09	2.74E-08	3.57E-08	4.46E-09	1.27E-08	1.72E-08
3161	438172.66	3762470.18	5.44E-08	1.71E-07	2.26E-07	8.46E-09	2.80E-08	3.65E-08	4.56E-09	1.30E-08	1.75E-08
3162	438176.22	3762478.82	5.56E-08	1.75E-07	2.31E-07	8.64E-09	2.86E-08	3.73E-08	4.66E-09	1.33E-08	1.79E-08
3163	438179.79	3762487.46	5.68E-08	1.79E-07	2.36E-07	8.83E-09	2.92E-08	3.81E-08	4.76E-09	1.36E-08	1.83E-08
3164	438183.36	3762496.1	5.81E-08	1.83E-07	2.41E-07	9.02E-09	2.99E-08	3.89E-08	4.86E-09	1.39E-08	1.87E-08
3165	438197.63	3762530.67	6.33E-08	1.99E-07	2.63E-07	9.83E-09	3.26E-08	4.24E-08	5.30E-09	1.51E-08	2.04E-08
3166	438201.2	3762539.31	6.47E-08	2.04E-07	2.68E-07	1.00E-08	3.33E-08	4.33E-08	5.41E-09	1.54E-08	2.08E-08
3167	438204.77	3762547.95	6.60E-08	2.08E-07	2.74E-07	1.03E-08	3.40E-08	4.42E-08	5.53E-09	1.58E-08	2.13E-08
3168	438208.34	3762556.59	6.74E-08	2.12E-07	2.80E-07	1.05E-08	3.47E-08	4.52E-08	5.65E-09	1.61E-08	2.17E-08

3169	438211.91	3762565.23	6.89E-08	2.17E-07	2.86E-07	1.07E-08	3.54E-08	4.61E-08	5.76E-09	1.64E-08	2.22E-08
3170	438215.48	3762573.87	7.03E-08	2.21E-07	2.92E-07	1.09E-08	3.62E-08	4.71E-08	5.88E-09	1.68E-08	2.27E-08
3171	438219.05	3762582.51	7.17E-08	2.26E-07	2.98E-07	1.11E-08	3.69E-08	4.80E-08	6.00E-09	1.71E-08	2.31E-08
3172	438233.32	3762617.08	7.75E-08	2.44E-07	3.22E-07	1.20E-08	3.99E-08	5.19E-08	6.49E-09	1.85E-08	2.50E-08
3173	438236.89	3762625.72	7.89E-08	2.49E-07	3.27E-07	1.23E-08	4.06E-08	5.29E-08	6.61E-09	1.88E-08	2.54E-08
3174	438240.46	3762634.36	8.03E-08	2.53E-07	3.33E-07	1.25E-08	4.13E-08	5.38E-08	6.72E-09	1.92E-08	2.59E-08
3175	438244.02	3762643	8.17E-08	2.57E-07	3.39E-07	1.27E-08	4.20E-08	5.47E-08	6.84E-09	1.95E-08	2.63E-08
3176	438247.59	3762651.64	8.31E-08	2.62E-07	3.45E-07	1.29E-08	4.28E-08	5.57E-08	6.96E-09	1.98E-08	2.68E-08
3177	438251.16	3762660.28	8.45E-08	2.66E-07	3.50E-07	1.31E-08	4.35E-08	5.66E-08	7.07E-09	2.02E-08	2.72E-08
3178	438254.73	3762668.92	8.58E-08	2.70E-07	3.56E-07	1.33E-08	4.41E-08	5.75E-08	7.18E-09	2.05E-08	2.77E-08
3179	438258.3	3762677.56	8.71E-08	2.74E-07	3.61E-07	1.35E-08	4.48E-08	5.83E-08	7.29E-09	2.08E-08	2.81E-08
3180	438261.87	3762686.2	8.83E-08	2.78E-07	3.67E-07	1.37E-08	4.54E-08	5.92E-08	7.39E-09	2.11E-08	2.85E-08
3181	438265.43	3762694.85	8.96E-08	2.82E-07	3.72E-07	1.39E-08	4.61E-08	6.00E-08	7.50E-09	2.14E-08	2.89E-08
3182	438269	3762703.49	9.08E-08	2.86E-07	3.77E-07	1.41E-08	4.67E-08	6.08E-08	7.60E-09	2.17E-08	2.93E-08
3183	438272.57	3762712.13	9.20E-08	2.90E-07	3.82E-07	1.43E-08	4.73E-08	6.16E-08	7.70E-09	2.20E-08	2.97E-08
3184	437599.45	3761977.7	1.72E-08	5.40E-08	7.12E-08	2.67E-09	8.83E-09	1.15E-08	1.44E-09	4.09E-09	5.53E-09
3185	437608.12	3761981.3	1.74E-08	5.49E-08	7.23E-08	2.71E-09	8.97E-09	1.17E-08	1.46E-09	4.16E-09	5.62E-09
3186	437616.8	3761984.89	1.77E-08	5.58E-08	7.35E-08	2.75E-09	9.11E-09	1.19E-08	1.48E-09	4.23E-09	5.71E-09
3187	437625.47	3761988.49	1.80E-08	5.67E-08	7.47E-08	2.80E-09	9.26E-09	1.21E-08	1.51E-09	4.29E-09	5.80E-09
3188	437634.15	3761992.09	1.83E-08	5.76E-08	7.59E-08	2.84E-09	9.41E-09	1.22E-08	1.53E-09	4.36E-09	5.89E-09
3189	437642.82	3761995.68	1.86E-08	5.85E-08	7.71E-08	2.89E-09	9.56E-09	1.24E-08	1.55E-09	4.43E-09	5.99E-09
3190	437651.5	3761999.28	1.89E-08	5.94E-08	7.83E-08	2.93E-09	9.71E-09	1.26E-08	1.58E-09	4.50E-09	6.08E-09
3191	437989.81	3762139.53	2.75E-08	8.67E-08	1.14E-07	4.28E-09	1.42E-08	1.84E-08	2.30E-09	6.57E-09	8.87E-09
3192	437998.49	3762143.13	2.76E-08	8.70E-08	1.15E-07	4.29E-09	1.42E-08	1.85E-08	2.31E-09	6.59E-09	8.91E-09
3193	438007.16	3762146.72	2.77E-08	8.73E-08	1.15E-07	4.31E-09	1.43E-08	1.86E-08	2.32E-09	6.62E-09	8.94E-09
3194	438015.84	3762150.32	2.78E-08	8.76E-08	1.15E-07	4.32E-09	1.43E-08	1.86E-08	2.33E-09	6.64E-09	8.97E-09
3195	438024.51	3762153.92	2.79E-08	8.79E-08	1.16E-07	4.34E-09	1.44E-08	1.87E-08	2.34E-09	6.66E-09	8.99E-09
3196	438033.19	3762157.51	2.80E-08	8.81E-08	1.16E-07	4.35E-09	1.44E-08	1.87E-08	2.34E-09	6.68E-09	9.02E-09
3197	438041.86	3762161.11	2.81E-08	8.84E-08	1.16E-07	4.36E-09	1.44E-08	1.88E-08	2.35E-09	6.69E-09	9.04E-09
3198	438050.53	3762164.71	2.81E-08	8.86E-08	1.17E-07	4.37E-09	1.45E-08	1.88E-08	2.35E-09	6.71E-09	9.06E-09
3199	438059.21	3762168.3	2.82E-08	8.88E-08	1.17E-07	4.38E-09	1.45E-08	1.89E-08	2.36E-09	6.73E-09	9.08E-09
3200	438067.88	3762171.9	2.82E-08	8.89E-08	1.17E-07	4.39E-09	1.45E-08	1.89E-08	2.36E-09	6.74E-09	9.10E-09
3201	438076.56	3762175.49	2.83E-08	8.91E-08	1.17E-07	4.40E-09	1.46E-08	1.90E-08	2.37E-09	6.75E-09	9.12E-09
3202	438085.23	3762179.09	2.83E-08	8.92E-08	1.18E-07	4.40E-09	1.46E-08	1.90E-08	2.37E-09	6.76E-09	9.13E-09
3203	438097.49	3762191.37	2.89E-08	9.09E-08	1.20E-07	4.48E-09	1.48E-08	1.93E-08	2.42E-09	6.89E-09	9.30E-09
3204	438101.08	3762200.05	2.94E-08	9.24E-08	1.22E-07	4.56E-09	1.51E-08	1.97E-08	2.46E-09	7.00E-09	9.46E-09
3205	438104.66	3762208.73	2.99E-08	9.40E-08	1.24E-07	4.64E-09	1.54E-08	2.00E-08	2.50E-09	7.12E-09	9.62E-09
3206	438108.25	3762217.41	3.04E-08	9.56E-08	1.26E-07	4.72E-09	1.56E-08	2.03E-08	2.54E-09	7.24E-09	9.78E-09
3207	438111.83	3762226.08	3.09E-08	9.72E-08	1.28E-07	4.80E-09	1.59E-08	2.07E-08	2.58E-09	7.37E-09	9.95E-09
3208	438115.41	3762234.76	3.14E-08	9.88E-08	1.30E-07	4.88E-09	1.61E-08	2.10E-08	2.63E-09	7.49E-09	1.01E-08
3209	438119	3762243.44	3.19E-08	1.00E-07	1.32E-07	4.96E-09	1.64E-08	2.14E-08	2.67E-09	7.61E-09	1.03E-08
3210	438122.58	3762252.12	3.24E-08	1.02E-07	1.35E-07	5.04E-09	1.67E-08	2.17E-08	2.71E-09	7.74E-09	1.05E-08
3211	438126.17	3762260.8	3.30E-08	1.04E-07	1.37E-07	5.12E-09	1.70E-08	2.21E-08	2.76E-09	7.87E-09	1.06E-08
3212	438129.75	3762269.48	3.35E-08	1.06E-07	1.39E-07	5.21E-09	1.72E-08	2.25E-08	2.81E-09	8.00E-09	1.08E-08
3213	438133.34	3762278.16	3.41E-08	1.07E-07	1.41E-07	5.29E-09	1.75E-08	2.28E-08	2.85E-09	8.13E-09	1.10E-08
3214	438136.92	3762286.84	3.46E-08	1.09E-07	1.44E-07	5.38E-09	1.78E-08	2.32E-08	2.90E-09	8.27E-09	1.12E-08
3215	438140.51	3762295.52	3.52E-08	1.11E-07	1.46E-07	5.47E-09	1.81E-08	2.36E-08	2.95E-09	8.41E-09	1.14E-08
3216	438144.09	3762304.2	3.58E-08	1.13E-07	1.49E-07	5.57E-09	1.84E-08	2.40E-08	3.00E-09	8.55E-09	1.15E-08
3217	438147.67	3762312.88	3.64E-08	1.15E-07	1.51E-07	5.66E-09	1.87E-08	2.44E-08	3.05E-09	8.69E-09	1.17E-08
3218	438151.26	3762321.56	3.70E-08	1.17E-07	1.54E-07	5.76E-09	1.91E-08	2.48E-08	3.10E-09	8.84E-09	1.19E-08
3219	438154.84	3762330.24	3.77E-08	1.19E-07	1.56E-07	5.86E-09	1.94E-08	2.52E-08	3.15E-09	8.99E-09	1.21E-08
3220	438158.43	3762338.92	3.83E-08	1.21E-07	1.59E-07	5.96E-09	1.97E-08	2.57E-08	3.21E-09	9.15E-09	1.24E-08
3221	438162.01	3762347.6	3.90E-08	1.23E-07	1.62E-07	6.06E-09	2.01E-08	2.61E-08	3.27E-09	9.31E-09	1.26E-08
3222	438165.6	3762356.28	3.97E-08	1.25E-07	1.65E-07	6.17E-09	2.04E-08	2.66E-08	3.32E-09	9.47E-09	1.28E-08
3223	438169.18	3762364.96	4.04E-08	1.27E-07	1.68E-07	6.28E-09	2.08E-08	2.71E-08	3.38E-09	9.65E-09	1.30E-08
3224	438172.76	3762373.64	4.12E-08	1.30E-07	1.71E-07	6.40E-09	2.12E-08	2.76E-08	3.45E-09	9.83E-09	1.33E-08
3225	438176.35	3762382.32	4.19E-08	1.32E-07	1.74E-07	6.52E-09	2.16E-08	2.81E-08	3.51E-09	1.00E-08	1.35E-08
3226	438179.93	3762391	4.27E-08	1.35E-07	1.77E-07	6.64E-09	2.20E-08	2.86E-08	3.58E-09	1.02E-08	1.38E-08
3227	438183.52	3762399.68	4.35E-08	1.37E-07	1.81E-07	6.76E-09	2.24E-08	2.92E-08	3.64E-09	1.04E-08	1.40E-08
3228	438187.1	3762408.36	4.44E-08	1.40E-07	1.84E-07	6.89E-09	2.28E-08	2.97E-08	3.71E-09	1.06E-08	1.43E-08
3229	438190.69	3762417.04	4.52E-08	1.42E-07	1.88E-07	7.03E-09	2.33E-08	3.03E-08	3.79E-09	1.08E-08	1.46E-08

3230	438194.27	3762425.72	4.61E-08	1.45E-07	1.91E-07	7.17E-09	2.37E-08	3.09E-08	3.86E-09	1.10E-08	1.49E-08
3231	438197.86	3762434.4	4.70E-08	1.48E-07	1.95E-07	7.31E-09	2.42E-08	3.15E-08	3.94E-09	1.12E-08	1.52E-08
3232	438201.44	3762443.08	4.80E-08	1.51E-07	1.99E-07	7.45E-09	2.47E-08	3.21E-08	4.02E-09	1.14E-08	1.55E-08
3233	438205.02	3762451.76	4.89E-08	1.54E-07	2.03E-07	7.61E-09	2.52E-08	3.28E-08	4.10E-09	1.17E-08	1.58E-08
3234	438208.61	3762460.44	5.00E-08	1.57E-07	2.07E-07	7.76E-09	2.57E-08	3.35E-08	4.18E-09	1.19E-08	1.61E-08
3235	438212.19	3762469.12	5.10E-08	1.61E-07	2.12E-07	7.92E-09	2.62E-08	3.41E-08	4.27E-09	1.22E-08	1.64E-08
3236	438215.78	3762477.8	5.20E-08	1.64E-07	2.16E-07	8.09E-09	2.68E-08	3.49E-08	4.36E-09	1.24E-08	1.68E-08
3237	438219.36	3762486.48	5.31E-08	1.67E-07	2.20E-07	8.25E-09	2.73E-08	3.56E-08	4.45E-09	1.27E-08	1.71E-08
3238	438222.95	3762495.16	5.42E-08	1.71E-07	2.25E-07	8.42E-09	2.79E-08	3.63E-08	4.54E-09	1.29E-08	1.75E-08
3239	438237.28	3762529.87	5.88E-08	1.85E-07	2.44E-07	9.14E-09	3.03E-08	3.94E-08	4.93E-09	1.40E-08	1.90E-08
3240	438240.87	3762538.55	6.00E-08	1.89E-07	2.49E-07	9.33E-09	3.09E-08	4.02E-08	5.03E-09	1.43E-08	1.94E-08
3241	438244.45	3762547.23	6.13E-08	1.93E-07	2.54E-07	9.52E-09	3.15E-08	4.10E-08	5.13E-09	1.46E-08	1.97E-08
3242	438248.04	3762555.91	6.25E-08	1.97E-07	2.59E-07	9.71E-09	3.21E-08	4.19E-08	5.23E-09	1.49E-08	2.01E-08
3243	438251.62	3762564.59	6.37E-08	2.01E-07	2.64E-07	9.90E-09	3.28E-08	4.27E-08	5.33E-09	1.52E-08	2.05E-08
3244	438255.2	3762573.27	6.50E-08	2.05E-07	2.70E-07	1.01E-08	3.34E-08	4.35E-08	5.44E-09	1.55E-08	2.09E-08
3245	438258.79	3762581.95	6.62E-08	2.09E-07	2.75E-07	1.03E-08	3.41E-08	4.44E-08	5.54E-09	1.58E-08	2.13E-08
3246	438294.63	3762668.75	7.84E-08	2.47E-07	3.25E-07	1.22E-08	4.03E-08	5.25E-08	6.56E-09	1.87E-08	2.53E-08
3247	438298.22	3762677.43	7.95E-08	2.50E-07	3.30E-07	1.24E-08	4.09E-08	5.33E-08	6.65E-09	1.90E-08	2.56E-08
3248	438301.8	3762686.11	8.06E-08	2.54E-07	3.34E-07	1.25E-08	4.15E-08	5.40E-08	6.74E-09	1.92E-08	2.60E-08
3249	438305.39	3762694.79	8.16E-08	2.57E-07	3.39E-07	1.27E-08	4.20E-08	5.47E-08	6.83E-09	1.95E-08	2.63E-08
3250	438308.97	3762703.47	8.27E-08	2.60E-07	3.43E-07	1.29E-08	4.26E-08	5.54E-08	6.92E-09	1.97E-08	2.67E-08
3251	438312.55	3762712.15	8.37E-08	2.64E-07	3.47E-07	1.30E-08	4.31E-08	5.61E-08	7.01E-09	2.00E-08	2.70E-08
3252	437598.96	3761937.5	1.56E-08	4.92E-08	6.48E-08	2.43E-09	8.04E-09	1.05E-08	1.31E-09	3.73E-09	5.04E-09
3253	437607.54	3761941.06	1.59E-08	4.99E-08	6.58E-08	2.46E-09	8.16E-09	1.06E-08	1.33E-09	3.78E-09	5.11E-09
3254	437616.11	3761944.61	1.61E-08	5.07E-08	6.68E-08	2.50E-09	8.28E-09	1.08E-08	1.35E-09	3.84E-09	5.19E-09
3255	437624.69	3761948.17	1.63E-08	5.15E-08	6.78E-08	2.54E-09	8.41E-09	1.09E-08	1.37E-09	3.90E-09	5.27E-09
3256	437633.27	3761951.72	1.66E-08	5.22E-08	6.88E-08	2.58E-09	8.53E-09	1.11E-08	1.39E-09	3.96E-09	5.35E-09
3257	437641.85	3761955.28	1.68E-08	5.30E-08	6.99E-08	2.62E-09	8.66E-09	1.13E-08	1.41E-09	4.02E-09	5.43E-09
3258	437650.43	3761958.84	1.71E-08	5.38E-08	7.09E-08	2.66E-09	8.79E-09	1.14E-08	1.43E-09	4.08E-09	5.51E-09
3259	437659	3761962.39	1.73E-08	5.46E-08	7.20E-08	2.70E-09	8.92E-09	1.16E-08	1.45E-09	4.14E-09	5.59E-09
3260	437667.58	3761965.95	1.76E-08	5.54E-08	7.30E-08	2.74E-09	9.06E-09	1.18E-08	1.47E-09	4.20E-09	5.67E-09
3261	437676.16	3761969.51	1.79E-08	5.63E-08	7.41E-08	2.78E-09	9.19E-09	1.20E-08	1.50E-09	4.26E-09	5.76E-09
3262	437684.74	3761973.06	1.81E-08	5.71E-08	7.52E-08	2.82E-09	9.32E-09	1.21E-08	1.52E-09	4.33E-09	5.84E-09
3263	437693.32	3761976.62	1.84E-08	5.79E-08	7.63E-08	2.86E-09	9.46E-09	1.23E-08	1.54E-09	4.39E-09	5.92E-09
3264	437701.89	3761980.17	1.86E-08	5.87E-08	7.73E-08	2.90E-09	9.59E-09	1.25E-08	1.56E-09	4.45E-09	6.01E-09
3265	437710.47	3761983.73	1.89E-08	5.95E-08	7.84E-08	2.93E-09	9.72E-09	1.27E-08	1.58E-09	4.51E-09	6.09E-09
3266	437719.05	3761987.29	1.91E-08	6.03E-08	7.94E-08	2.97E-09	9.84E-09	1.28E-08	1.60E-09	4.57E-09	6.17E-09
3267	437727.63	3761990.84	1.94E-08	6.10E-08	8.04E-08	3.01E-09	9.97E-09	1.30E-08	1.62E-09	4.62E-09	6.25E-09
3268	437736.21	3761994.4	1.96E-08	6.18E-08	8.14E-08	3.05E-09	1.01E-08	1.31E-08	1.64E-09	4.68E-09	6.32E-09
3269	437744.78	3761997.95	1.99E-08	6.26E-08	8.24E-08	3.09E-09	1.02E-08	1.33E-08	1.66E-09	4.74E-09	6.40E-09
3270	437993.54	3762101.08	2.51E-08	7.90E-08	1.04E-07	3.90E-09	1.29E-08	1.68E-08	2.10E-09	5.98E-09	8.08E-09
3271	438002.12	3762104.64	2.52E-08	7.93E-08	1.04E-07	3.91E-09	1.30E-08	1.69E-08	2.11E-09	6.01E-09	8.12E-09
3272	438010.7	3762108.19	2.53E-08	7.96E-08	1.05E-07	3.93E-09	1.30E-08	1.69E-08	2.12E-09	6.03E-09	8.15E-09
3273	438019.28	3762111.75	2.54E-08	7.99E-08	1.05E-07	3.94E-09	1.31E-08	1.70E-08	2.12E-09	6.06E-09	8.18E-09
3274	438027.85	3762115.3	2.55E-08	8.02E-08	1.06E-07	3.96E-09	1.31E-08	1.71E-08	2.13E-09	6.08E-09	8.21E-09
3275	438036.43	3762118.86	2.55E-08	8.04E-08	1.06E-07	3.97E-09	1.31E-08	1.71E-08	2.14E-09	6.10E-09	8.23E-09
3276	438045.01	3762122.42	2.56E-08	8.07E-08	1.06E-07	3.98E-09	1.32E-08	1.72E-08	2.14E-09	6.11E-09	8.26E-09
3277	438053.59	3762125.97	2.57E-08	8.09E-08	1.07E-07	3.99E-09	1.32E-08	1.72E-08	2.15E-09	6.13E-09	8.28E-09
3278	438062.17	3762129.53	2.57E-08	8.11E-08	1.07E-07	4.00E-09	1.32E-08	1.72E-08	2.15E-09	6.14E-09	8.30E-09
3279	438070.74	3762133.09	2.58E-08	8.13E-08	1.07E-07	4.01E-09	1.33E-08	1.73E-08	2.16E-09	6.16E-09	8.32E-09
3280	438079.32	3762136.64	2.59E-08	8.14E-08	1.07E-07	4.02E-09	1.33E-08	1.73E-08	2.16E-09	6.17E-09	8.34E-09
3281	438087.9	3762140.2	2.59E-08	8.16E-08	1.08E-07	4.03E-09	1.33E-08	1.74E-08	2.17E-09	6.18E-09	8.35E-09
3282	438096.48	3762143.75	2.60E-08	8.18E-08	1.08E-07	4.03E-09	1.34E-08	1.74E-08	2.17E-09	6.20E-09	8.37E-09
3283	438105.06	3762147.31	2.60E-08	8.19E-08	1.08E-07	4.04E-09	1.34E-08	1.74E-08	2.18E-09	6.21E-09	8.39E-09
3284	438113.63	3762150.87	2.61E-08	8.21E-08	1.08E-07	4.05E-09	1.34E-08	1.75E-08	2.18E-09	6.22E-09	8.40E-09
3285	438125.76	3762163	2.65E-08	8.34E-08	1.10E-07	4.12E-09	1.36E-08	1.77E-08	2.22E-09	6.32E-09	8.54E-09
3286	438129.3	3762171.59	2.69E-08	8.47E-08	1.12E-07	4.18E-09	1.38E-08	1.80E-08	2.25E-09	6.42E-09	8.67E-09
3287	438132.85	3762180.17	2.73E-08	8.61E-08	1.13E-07	4.25E-09	1.41E-08	1.83E-08	2.29E-09	6.52E-09	8.81E-09
3288	438136.39	3762188.75	2.78E-08	8.74E-08	1.15E-07	4.31E-09	1.43E-08	1.86E-08	2.32E-09	6.62E-09	8.95E-09
3289	438139.93	3762197.34	2.82E-08	8.88E-08	1.17E-07	4.38E-09	1.45E-08	1.89E-08	2.36E-09	6.73E-09	9.09E-09
3290	438143.48	3762205.92	2.86E-08	9.02E-08	1.19E-07	4.45E-09	1.47E-08	1.92E-08	2.40E-09	6.83E-09	9.23E-09

3291	438147.02	3762214.5	2.91E-08	9.16E-08	1.21E-07	4.52E-09	1.50E-08	1.95E-08	2.43E-09	6.94E-09	9.37E-09
3292	438150.57	3762223.08	2.95E-08	9.30E-08	1.23E-07	4.59E-09	1.52E-08	1.98E-08	2.47E-09	7.05E-09	9.52E-09
3293	438154.11	3762231.67	3.00E-08	9.44E-08	1.24E-07	4.66E-09	1.54E-08	2.01E-08	2.51E-09	7.16E-09	9.67E-09
3294	438157.66	3762240.25	3.05E-08	9.59E-08	1.26E-07	4.73E-09	1.57E-08	2.04E-08	2.55E-09	7.27E-09	9.82E-09
3295	438161.2	3762248.83	3.09E-08	9.74E-08	1.28E-07	4.80E-09	1.59E-08	2.07E-08	2.59E-09	7.38E-09	9.97E-09
3296	438164.74	3762257.41	3.14E-08	9.89E-08	1.30E-07	4.88E-09	1.62E-08	2.10E-08	2.63E-09	7.49E-09	1.01E-08
3297	438168.29	3762266	3.19E-08	1.00E-07	1.32E-07	4.95E-09	1.64E-08	2.14E-08	2.67E-09	7.61E-09	1.03E-08
3298	438171.83	3762274.58	3.24E-08	1.02E-07	1.34E-07	5.03E-09	1.67E-08	2.17E-08	2.71E-09	7.72E-09	1.04E-08
3299	438175.38	3762283.16	3.29E-08	1.04E-07	1.36E-07	5.11E-09	1.69E-08	2.20E-08	2.75E-09	7.85E-09	1.06E-08
3300	438178.92	3762291.75	3.34E-08	1.05E-07	1.39E-07	5.19E-09	1.72E-08	2.24E-08	2.79E-09	7.97E-09	1.08E-08
3301	438182.47	3762300.33	3.39E-08	1.07E-07	1.41E-07	5.27E-09	1.74E-08	2.27E-08	2.84E-09	8.09E-09	1.09E-08
3302	438186.01	3762308.91	3.45E-08	1.09E-07	1.43E-07	5.35E-09	1.77E-08	2.31E-08	2.88E-09	8.22E-09	1.11E-08
3303	438189.55	3762317.49	3.50E-08	1.10E-07	1.45E-07	5.44E-09	1.80E-08	2.35E-08	2.93E-09	8.36E-09	1.13E-08
3304	438193.1	3762326.08	3.56E-08	1.12E-07	1.48E-07	5.53E-09	1.83E-08	2.38E-08	2.98E-09	8.49E-09	1.15E-08
3305	438196.64	3762334.66	3.62E-08	1.14E-07	1.50E-07	5.62E-09	1.86E-08	2.42E-08	3.03E-09	8.63E-09	1.17E-08
3306	438200.19	3762343.24	3.68E-08	1.16E-07	1.53E-07	5.71E-09	1.89E-08	2.46E-08	3.08E-09	8.77E-09	1.19E-08
3307	438203.73	3762351.83	3.74E-08	1.18E-07	1.55E-07	5.81E-09	1.92E-08	2.50E-08	3.13E-09	8.92E-09	1.21E-08
3308	438207.28	3762360.41	3.80E-08	1.20E-07	1.58E-07	5.91E-09	1.96E-08	2.55E-08	3.18E-09	9.07E-09	1.23E-08
3309	438210.82	3762368.99	3.87E-08	1.22E-07	1.60E-07	6.01E-09	1.99E-08	2.59E-08	3.24E-09	9.23E-09	1.25E-08
3310	438214.37	3762377.57	3.94E-08	1.24E-07	1.63E-07	6.11E-09	2.02E-08	2.64E-08	3.29E-09	9.39E-09	1.27E-08
3311	438217.91	3762386.16	4.01E-08	1.26E-07	1.66E-07	6.22E-09	2.06E-08	2.68E-08	3.35E-09	9.56E-09	1.29E-08
3312	438221.45	3762394.74	4.08E-08	1.28E-07	1.69E-07	6.33E-09	2.10E-08	2.73E-08	3.41E-09	9.73E-09	1.31E-08
3313	438225	3762403.32	4.15E-08	1.31E-07	1.72E-07	6.45E-09	2.14E-08	2.78E-08	3.47E-09	9.91E-09	1.34E-08
3314	438228.54	3762411.9	4.23E-08	1.33E-07	1.75E-07	6.57E-09	2.17E-08	2.83E-08	3.54E-09	1.01E-08	1.36E-08
3315	438232.09	3762420.49	4.31E-08	1.36E-07	1.79E-07	6.69E-09	2.22E-08	2.88E-08	3.60E-09	1.03E-08	1.39E-08
3316	438235.63	3762429.07	4.39E-08	1.38E-07	1.82E-07	6.82E-09	2.26E-08	2.94E-08	3.67E-09	1.05E-08	1.41E-08
3317	438239.18	3762437.65	4.47E-08	1.41E-07	1.85E-07	6.95E-09	2.30E-08	2.99E-08	3.74E-09	1.07E-08	1.44E-08
3318	438242.72	3762446.24	4.56E-08	1.43E-07	1.89E-07	7.08E-09	2.34E-08	3.05E-08	3.81E-09	1.09E-08	1.47E-08
3319	438246.26	3762454.82	4.64E-08	1.46E-07	1.93E-07	7.22E-09	2.39E-08	3.11E-08	3.89E-09	1.11E-08	1.50E-08
3320	438249.81	3762463.4	4.73E-08	1.49E-07	1.96E-07	7.36E-09	2.44E-08	3.17E-08	3.96E-09	1.13E-08	1.53E-08
3321	438253.35	3762471.98	4.83E-08	1.52E-07	2.00E-07	7.50E-09	2.48E-08	3.23E-08	4.04E-09	1.15E-08	1.56E-08
3322	438256.9	3762480.57	4.92E-08	1.55E-07	2.04E-07	7.65E-09	2.53E-08	3.30E-08	4.12E-09	1.17E-08	1.59E-08
3323	438260.44	3762489.15	5.02E-08	1.58E-07	2.08E-07	7.79E-09	2.58E-08	3.36E-08	4.20E-09	1.20E-08	1.62E-08
3324	438263.99	3762497.73	5.11E-08	1.61E-07	2.12E-07	7.94E-09	2.63E-08	3.42E-08	4.28E-09	1.22E-08	1.65E-08
3325	438299.43	3762583.56	6.16E-08	1.94E-07	2.56E-07	9.57E-09	3.17E-08	4.13E-08	5.16E-09	1.47E-08	1.99E-08
3326	438313.61	3762617.89	6.59E-08	2.08E-07	2.73E-07	1.02E-08	3.39E-08	4.41E-08	5.52E-09	1.57E-08	2.12E-08
3327	438317.15	3762626.47	6.70E-08	2.11E-07	2.78E-07	1.04E-08	3.45E-08	4.49E-08	5.61E-09	1.60E-08	2.16E-08
3328	438320.7	3762635.06	6.80E-08	2.14E-07	2.82E-07	1.06E-08	3.50E-08	4.56E-08	5.69E-09	1.62E-08	2.19E-08
3329	438324.24	3762643.64	6.90E-08	2.17E-07	2.86E-07	1.07E-08	3.55E-08	4.62E-08	5.78E-09	1.65E-08	2.23E-08
3330	438327.78	3762652.22	7.01E-08	2.21E-07	2.91E-07	1.09E-08	3.60E-08	4.69E-08	5.86E-09	1.67E-08	2.26E-08
3331	438331.33	3762660.81	7.11E-08	2.24E-07	2.95E-07	1.10E-08	3.66E-08	4.76E-08	5.95E-09	1.70E-08	2.29E-08
3332	438334.87	3762669.39	7.20E-08	2.27E-07	2.99E-07	1.12E-08	3.71E-08	4.83E-08	6.03E-09	1.72E-08	2.32E-08
3333	438338.42	3762677.97	7.30E-08	2.30E-07	3.03E-07	1.13E-08	3.75E-08	4.89E-08	6.11E-09	1.74E-08	2.35E-08
3334	438341.96	3762686.55	7.39E-08	2.33E-07	3.07E-07	1.15E-08	3.80E-08	4.95E-08	6.19E-09	1.76E-08	2.38E-08
3335	438345.51	3762695.14	7.48E-08	2.36E-07	3.10E-07	1.16E-08	3.85E-08	5.01E-08	6.26E-09	1.79E-08	2.41E-08
3336	438349.05	3762703.72	7.57E-08	2.38E-07	3.14E-07	1.18E-08	3.89E-08	5.07E-08	6.34E-09	1.81E-08	2.44E-08
3337	437616.37	3761904.72	1.48E-08	4.66E-08	6.13E-08	2.30E-09	7.60E-09	9.90E-09	1.24E-09	3.53E-09	4.76E-09
3338	437624.99	3761908.29	1.50E-08	4.72E-08	6.22E-08	2.33E-09	7.72E-09	1.00E-08	1.26E-09	3.58E-09	4.83E-09
3339	437633.6	3761911.86	1.52E-08	4.79E-08	6.31E-08	2.36E-09	7.82E-09	1.02E-08	1.27E-09	3.63E-09	4.90E-09
3340	437642.22	3761915.44	1.54E-08	4.86E-08	6.40E-08	2.40E-09	7.94E-09	1.03E-08	1.29E-09	3.68E-09	4.97E-09
3341	437650.83	3761919.01	1.56E-08	4.93E-08	6.49E-08	2.43E-09	8.05E-09	1.05E-08	1.31E-09	3.73E-09	5.04E-09
3342	437659.45	3761922.58	1.59E-08	5.00E-08	6.58E-08	2.47E-09	8.16E-09	1.06E-08	1.33E-09	3.79E-09	5.11E-09
3343	437668.06	3761926.15	1.61E-08	5.07E-08	6.68E-08	2.50E-09	8.28E-09	1.08E-08	1.35E-09	3.84E-09	5.19E-09
3344	437676.68	3761929.72	1.63E-08	5.14E-08	6.77E-08	2.53E-09	8.39E-09	1.09E-08	1.37E-09	3.89E-09	5.26E-09
3345	437685.29	3761933.29	1.65E-08	5.21E-08	6.86E-08	2.57E-09	8.51E-09	1.11E-08	1.38E-09	3.95E-09	5.33E-09
3346	437693.91	3761936.86	1.68E-08	5.28E-08	6.95E-08	2.60E-09	8.62E-09	1.12E-08	1.40E-09	4.00E-09	5.40E-09
3347	437702.52	3761940.44	1.70E-08	5.35E-08	7.05E-08	2.64E-09	8.74E-09	1.14E-08	1.42E-09	4.05E-09	5.47E-09
3348	437711.14	3761944.01	1.72E-08	5.42E-08	7.14E-08	2.67E-09	8.85E-09	1.15E-08	1.44E-09	4.11E-09	5.55E-09
3349	437719.75	3761947.58	1.74E-08	5.49E-08	7.23E-08	2.71E-09	8.96E-09	1.17E-08	1.46E-09	4.16E-09	5.62E-09
3350	437728.37	3761951.15	1.76E-08	5.56E-08	7.32E-08	2.74E-09	9.08E-09	1.18E-08	1.48E-09	4.21E-09	5.69E-09
3351	437736.99	3761954.72	1.79E-08	5.63E-08	7.41E-08	2.78E-09	9.19E-09	1.20E-08	1.50E-09	4.26E-09	5.76E-09

3352	437745.6	3761958.29	1.81E-08	5.70E-08	7.51E-08	2.81E-09	9.31E-09	1.21E-08	1.51E-09	4.32E-09	5.83E-09
3353	437754.22	3761961.87	1.83E-08	5.77E-08	7.60E-08	2.85E-09	9.42E-09	1.23E-08	1.53E-09	4.37E-09	5.90E-09
3354	437762.83	3761965.44	1.85E-08	5.84E-08	7.69E-08	2.88E-09	9.54E-09	1.24E-08	1.55E-09	4.42E-09	5.97E-09
3355	437771.45	3761969.01	1.88E-08	5.91E-08	7.78E-08	2.91E-09	9.65E-09	1.26E-08	1.57E-09	4.48E-09	6.05E-09
3356	437780.06	3761972.58	1.90E-08	5.97E-08	7.87E-08	2.95E-09	9.76E-09	1.27E-08	1.59E-09	4.53E-09	6.11E-09
3357	437788.68	3761976.15	1.92E-08	6.04E-08	7.96E-08	2.98E-09	9.87E-09	1.28E-08	1.61E-09	4.58E-09	6.18E-09
3358	437797.29	3761979.72	1.94E-08	6.11E-08	8.04E-08	3.01E-09	9.97E-09	1.30E-08	1.62E-09	4.63E-09	6.25E-09
3359	437805.91	3761983.29	1.96E-08	6.17E-08	8.13E-08	3.04E-09	1.01E-08	1.31E-08	1.64E-09	4.67E-09	6.31E-09
3360	437814.52	3761986.87	1.98E-08	6.23E-08	8.21E-08	3.07E-09	1.02E-08	1.33E-08	1.66E-09	4.72E-09	6.38E-09
3361	437823.14	3761990.44	2.00E-08	6.29E-08	8.29E-08	3.10E-09	1.03E-08	1.34E-08	1.67E-09	4.77E-09	6.44E-09
3362	437831.75	3761994.01	2.01E-08	6.34E-08	8.36E-08	3.13E-09	1.04E-08	1.35E-08	1.69E-09	4.81E-09	6.49E-09
3363	437840.37	3761997.58	2.03E-08	6.40E-08	8.43E-08	3.16E-09	1.05E-08	1.36E-08	1.70E-09	4.85E-09	6.55E-09
3364	438090.21	3762101.16	2.38E-08	7.50E-08	9.88E-08	3.70E-09	1.22E-08	1.59E-08	1.99E-09	5.68E-09	7.67E-09
3365	438098.82	3762104.73	2.39E-08	7.51E-08	9.90E-08	3.71E-09	1.23E-08	1.60E-08	2.00E-09	5.69E-09	7.69E-09
3366	438107.44	3762108.3	2.39E-08	7.53E-08	9.92E-08	3.71E-09	1.23E-08	1.60E-08	2.00E-09	5.71E-09	7.71E-09
3367	438116.05	3762111.87	2.40E-08	7.54E-08	9.94E-08	3.72E-09	1.23E-08	1.60E-08	2.01E-09	5.72E-09	7.72E-09
3368	438124.67	3762115.44	2.40E-08	7.56E-08	9.96E-08	3.73E-09	1.23E-08	1.61E-08	2.01E-09	5.73E-09	7.73E-09
3369	438133.29	3762119.01	2.40E-08	7.57E-08	9.98E-08	3.74E-09	1.24E-08	1.61E-08	2.01E-09	5.74E-09	7.75E-09
3370	438141.9	3762122.59	2.41E-08	7.58E-08	9.99E-08	3.74E-09	1.24E-08	1.61E-08	2.02E-09	5.75E-09	7.76E-09
3371	438154.08	3762134.78	2.45E-08	7.71E-08	1.02E-07	3.80E-09	1.26E-08	1.64E-08	2.05E-09	5.84E-09	7.89E-09
3372	438157.64	3762143.4	2.48E-08	7.82E-08	1.03E-07	3.86E-09	1.28E-08	1.66E-08	2.08E-09	5.93E-09	8.00E-09
3373	438161.19	3762152.02	2.52E-08	7.93E-08	1.05E-07	3.91E-09	1.30E-08	1.69E-08	2.11E-09	6.01E-09	8.12E-09
3374	438164.75	3762160.64	2.56E-08	8.05E-08	1.06E-07	3.97E-09	1.31E-08	1.71E-08	2.14E-09	6.10E-09	8.24E-09
3375	438168.31	3762169.26	2.59E-08	8.17E-08	1.08E-07	4.03E-09	1.33E-08	1.74E-08	2.17E-09	6.19E-09	8.36E-09
3376	438171.87	3762177.88	2.63E-08	8.29E-08	1.09E-07	4.09E-09	1.35E-08	1.76E-08	2.20E-09	6.28E-09	8.48E-09
3377	438175.43	3762186.5	2.67E-08	8.41E-08	1.11E-07	4.15E-09	1.37E-08	1.79E-08	2.23E-09	6.37E-09	8.60E-09
3378	438178.99	3762195.12	2.71E-08	8.53E-08	1.12E-07	4.21E-09	1.39E-08	1.81E-08	2.27E-09	6.46E-09	8.73E-09
3379	438182.55	3762203.74	2.75E-08	8.65E-08	1.14E-07	4.27E-09	1.41E-08	1.84E-08	2.30E-09	6.56E-09	8.86E-09
3380	438186.11	3762212.36	2.79E-08	8.78E-08	1.16E-07	4.33E-09	1.43E-08	1.87E-08	2.33E-09	6.65E-09	8.99E-09
3381	438189.67	3762220.98	2.83E-08	8.91E-08	1.17E-07	4.40E-09	1.46E-08	1.89E-08	2.37E-09	6.75E-09	9.12E-09
3382	438193.23	3762229.6	2.87E-08	9.04E-08	1.19E-07	4.46E-09	1.48E-08	1.92E-08	2.40E-09	6.85E-09	9.25E-09
3383	438196.79	3762238.22	2.91E-08	9.17E-08	1.21E-07	4.52E-09	1.50E-08	1.95E-08	2.44E-09	6.95E-09	9.39E-09
3384	438200.35	3762246.84	2.95E-08	9.31E-08	1.23E-07	4.59E-09	1.52E-08	1.98E-08	2.47E-09	7.05E-09	9.52E-09
3385	438203.91	3762255.46	3.00E-08	9.44E-08	1.24E-07	4.66E-09	1.54E-08	2.01E-08	2.51E-09	7.15E-09	9.66E-09
3386	438207.47	3762264.08	3.04E-08	9.58E-08	1.26E-07	4.73E-09	1.57E-08	2.04E-08	2.55E-09	7.26E-09	9.81E-09
3387	438211.03	3762272.7	3.09E-08	9.72E-08	1.28E-07	4.80E-09	1.59E-08	2.07E-08	2.58E-09	7.37E-09	9.95E-09
3388	438214.59	3762281.32	3.13E-08	9.87E-08	1.30E-07	4.87E-09	1.61E-08	2.10E-08	2.62E-09	7.48E-09	1.01E-08
3389	438218.15	3762289.94	3.18E-08	1.00E-07	1.32E-07	4.94E-09	1.64E-08	2.13E-08	2.66E-09	7.59E-09	1.03E-08
3390	438221.71	3762298.56	3.23E-08	1.02E-07	1.34E-07	5.02E-09	1.66E-08	2.16E-08	2.70E-09	7.70E-09	1.04E-08
3391	438225.27	3762307.18	3.28E-08	1.03E-07	1.36E-07	5.09E-09	1.69E-08	2.20E-08	2.74E-09	7.82E-09	1.06E-08
3392	438228.83	3762315.8	3.33E-08	1.05E-07	1.38E-07	5.17E-09	1.71E-08	2.23E-08	2.79E-09	7.94E-09	1.07E-08
3393	438232.39	3762324.42	3.38E-08	1.06E-07	1.40E-07	5.25E-09	1.74E-08	2.26E-08	2.83E-09	8.07E-09	1.09E-08
3394	438235.95	3762333.04	3.43E-08	1.08E-07	1.42E-07	5.34E-09	1.77E-08	2.30E-08	2.87E-09	8.20E-09	1.11E-08
3395	438239.51	3762341.66	3.49E-08	1.10E-07	1.45E-07	5.42E-09	1.80E-08	2.34E-08	2.92E-09	8.33E-09	1.12E-08
3396	438243.07	3762350.28	3.55E-08	1.12E-07	1.47E-07	5.51E-09	1.82E-08	2.38E-08	2.97E-09	8.46E-09	1.14E-08
3397	438246.63	3762358.9	3.60E-08	1.13E-07	1.50E-07	5.60E-09	1.85E-08	2.41E-08	3.02E-09	8.60E-09	1.16E-08
3398	438250.19	3762367.52	3.66E-08	1.15E-07	1.52E-07	5.69E-09	1.88E-08	2.45E-08	3.07E-09	8.74E-09	1.18E-08
3399	438253.75	3762376.14	3.73E-08	1.17E-07	1.55E-07	5.79E-09	1.92E-08	2.50E-08	3.12E-09	8.89E-09	1.20E-08
3400	438257.31	3762384.76	3.79E-08	1.19E-07	1.57E-07	5.89E-09	1.95E-08	2.54E-08	3.17E-09	9.04E-09	1.22E-08
3401	438260.87	3762393.38	3.86E-08	1.21E-07	1.60E-07	5.99E-09	1.98E-08	2.58E-08	3.23E-09	9.20E-09	1.24E-08
3402	438264.43	3762402	3.92E-08	1.24E-07	1.63E-07	6.10E-09	2.02E-08	2.63E-08	3.28E-09	9.36E-09	1.26E-08
3403	438267.99	3762410.62	3.99E-08	1.26E-07	1.66E-07	6.21E-09	2.05E-08	2.68E-08	3.34E-09	9.53E-09	1.29E-08
3404	438271.55	3762419.24	4.07E-08	1.28E-07	1.69E-07	6.32E-09	2.09E-08	2.72E-08	3.40E-09	9.70E-09	1.31E-08
3405	438275.11	3762427.86	4.14E-08	1.30E-07	1.72E-07	6.43E-09	2.13E-08	2.77E-08	3.47E-09	9.88E-09	1.33E-08
3406	438278.67	3762436.48	4.22E-08	1.33E-07	1.75E-07	6.55E-09	2.17E-08	2.82E-08	3.53E-09	1.01E-08	1.36E-08
3407	438282.23	3762445.1	4.29E-08	1.35E-07	1.78E-07	6.67E-09	2.21E-08	2.88E-08	3.59E-09	1.02E-08	1.38E-08
3408	438285.79	3762453.72	4.37E-08	1.38E-07	1.81E-07	6.79E-09	2.25E-08	2.93E-08	3.66E-09	1.04E-08	1.41E-08
3409	438289.35	3762462.34	4.45E-08	1.40E-07	1.85E-07	6.92E-09	2.29E-08	2.98E-08	3.73E-09	1.06E-08	1.44E-08
3410	438292.91	3762470.96	4.54E-08	1.43E-07	1.88E-07	7.05E-09	2.33E-08	3.04E-08	3.80E-09	1.08E-08	1.46E-08
3411	438296.47	3762479.58	4.62E-08	1.46E-07	1.92E-07	7.18E-09	2.38E-08	3.10E-08	3.87E-09	1.10E-08	1.49E-08
3412	438300.03	3762488.2	4.71E-08	1.48E-07	1.95E-07	7.31E-09	2.42E-08	3.15E-08	3.94E-09	1.12E-08	1.52E-08

3413	438303.59	3762496.82	4.79E-08	1.51E-07	1.99E-07	7.45E-09	2.47E-08	3.21E-08	4.01E-09	1.14E-08	1.55E-08
3414	438317.82	3762531.3	5.16E-08	1.62E-07	2.14E-07	8.01E-09	2.65E-08	3.45E-08	4.32E-09	1.23E-08	1.66E-08
3415	438321.38	3762539.92	5.25E-08	1.65E-07	2.18E-07	8.16E-09	2.70E-08	3.52E-08	4.39E-09	1.25E-08	1.69E-08
3416	438324.94	3762548.54	5.34E-08	1.68E-07	2.22E-07	8.30E-09	2.75E-08	3.58E-08	4.47E-09	1.27E-08	1.72E-08
3417	438328.5	3762557.16	5.44E-08	1.71E-07	2.26E-07	8.45E-09	2.80E-08	3.64E-08	4.55E-09	1.30E-08	1.75E-08
3418	438332.06	3762565.78	5.53E-08	1.74E-07	2.29E-07	8.59E-09	2.85E-08	3.70E-08	4.63E-09	1.32E-08	1.78E-08
3419	438335.62	3762574.4	5.63E-08	1.77E-07	2.33E-07	8.74E-09	2.89E-08	3.77E-08	4.71E-09	1.34E-08	1.81E-08
3420	438339.18	3762583.02	5.72E-08	1.80E-07	2.37E-07	8.89E-09	2.94E-08	3.83E-08	4.79E-09	1.36E-08	1.84E-08
3421	438342.74	3762591.64	5.81E-08	1.83E-07	2.41E-07	9.03E-09	2.99E-08	3.89E-08	4.87E-09	1.39E-08	1.87E-08
3422	438389.02	3762703.7	6.96E-08	2.19E-07	2.89E-07	1.08E-08	3.58E-08	4.66E-08	5.82E-09	1.66E-08	2.24E-08
3423	438392.58	3762712.32	7.03E-08	2.22E-07	2.92E-07	1.09E-08	3.62E-08	4.71E-08	5.89E-09	1.68E-08	2.27E-08
3424	437668.5	3761886.33	1.48E-08	4.66E-08	6.14E-08	2.30E-09	7.61E-09	9.91E-09	1.24E-09	3.53E-09	4.77E-09
3425	437677.15	3761889.92	1.50E-08	4.72E-08	6.22E-08	2.33E-09	7.71E-09	1.00E-08	1.25E-09	3.58E-09	4.83E-09
3426	437685.8	3761893.51	1.52E-08	4.78E-08	6.30E-08	2.36E-09	7.81E-09	1.02E-08	1.27E-09	3.62E-09	4.89E-09
3427	437694.45	3761897.09	1.54E-08	4.84E-08	6.38E-08	2.39E-09	7.91E-09	1.03E-08	1.29E-09	3.67E-09	4.95E-09
3428	437703.1	3761900.68	1.56E-08	4.90E-08	6.45E-08	2.42E-09	8.00E-09	1.04E-08	1.30E-09	3.71E-09	5.01E-09
3429	437711.75	3761904.26	1.57E-08	4.96E-08	6.53E-08	2.45E-09	8.10E-09	1.05E-08	1.32E-09	3.76E-09	5.07E-09
3430	437720.4	3761907.85	1.59E-08	5.02E-08	6.61E-08	2.48E-09	8.20E-09	1.07E-08	1.33E-09	3.80E-09	5.14E-09
3431	437729.05	3761911.43	1.61E-08	5.08E-08	6.69E-08	2.50E-09	8.29E-09	1.08E-08	1.35E-09	3.85E-09	5.20E-09
3432	437737.7	3761915.02	1.63E-08	5.14E-08	6.77E-08	2.54E-09	8.40E-09	1.09E-08	1.37E-09	3.89E-09	5.26E-09
3433	437746.35	3761918.61	1.65E-08	5.20E-08	6.86E-08	2.57E-09	8.50E-09	1.11E-08	1.38E-09	3.94E-09	5.33E-09
3434	437755	3761922.19	1.67E-08	5.27E-08	6.94E-08	2.60E-09	8.61E-09	1.12E-08	1.40E-09	3.99E-09	5.39E-09
3435	437763.65	3761925.78	1.69E-08	5.33E-08	7.03E-08	2.63E-09	8.71E-09	1.13E-08	1.42E-09	4.04E-09	5.46E-09
3436	437772.3	3761929.36	1.71E-08	5.40E-08	7.11E-08	2.66E-09	8.82E-09	1.15E-08	1.44E-09	4.09E-09	5.53E-09
3437	437780.95	3761932.95	1.74E-08	5.46E-08	7.20E-08	2.70E-09	8.93E-09	1.16E-08	1.45E-09	4.14E-09	5.59E-09
3438	437789.6	3761936.53	1.76E-08	5.53E-08	7.28E-08	2.73E-09	9.03E-09	1.18E-08	1.47E-09	4.19E-09	5.66E-09
3439	437798.25	3761940.12	1.78E-08	5.59E-08	7.37E-08	2.76E-09	9.13E-09	1.19E-08	1.49E-09	4.24E-09	5.72E-09
3440	437806.89	3761943.71	1.79E-08	5.65E-08	7.45E-08	2.79E-09	9.23E-09	1.20E-08	1.50E-09	4.28E-09	5.78E-09
3441	437815.54	3761947.29	1.81E-08	5.71E-08	7.53E-08	2.82E-09	9.33E-09	1.21E-08	1.52E-09	4.33E-09	5.85E-09
3442	437824.19	3761950.88	1.83E-08	5.77E-08	7.60E-08	2.85E-09	9.42E-09	1.23E-08	1.53E-09	4.37E-09	5.90E-09
3443	437832.84	3761954.46	1.85E-08	5.82E-08	7.67E-08	2.87E-09	9.51E-09	1.24E-08	1.55E-09	4.41E-09	5.96E-09
3444	437841.49	3761958.05	1.86E-08	5.87E-08	7.74E-08	2.90E-09	9.59E-09	1.25E-08	1.56E-09	4.45E-09	6.01E-09
3445	437850.14	3761961.63	1.88E-08	5.92E-08	7.80E-08	2.92E-09	9.67E-09	1.26E-08	1.57E-09	4.49E-09	6.06E-09
3446	437858.79	3761965.22	1.90E-08	5.97E-08	7.87E-08	2.95E-09	9.75E-09	1.27E-08	1.59E-09	4.52E-09	6.11E-09
3447	437867.44	3761968.81	1.91E-08	6.02E-08	7.93E-08	2.97E-09	9.83E-09	1.28E-08	1.60E-09	4.56E-09	6.16E-09
3448	437876.09	3761972.39	1.93E-08	6.06E-08	7.99E-08	2.99E-09	9.90E-09	1.29E-08	1.61E-09	4.59E-09	6.21E-09
3449	437884.74	3761975.98	1.94E-08	6.11E-08	8.05E-08	3.01E-09	9.98E-09	1.30E-08	1.62E-09	4.63E-09	6.25E-09
3450	437893.39	3761979.56	1.95E-08	6.15E-08	8.11E-08	3.04E-09	1.01E-08	1.31E-08	1.64E-09	4.66E-09	6.30E-09
3451	437902.04	3761983.15	1.97E-08	6.20E-08	8.17E-08	3.06E-09	1.01E-08	1.32E-08	1.65E-09	4.70E-09	6.34E-09
3452	437910.69	3761986.73	1.98E-08	6.24E-08	8.22E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.73E-09	6.39E-09
3453	437919.34	3761990.32	2.00E-08	6.28E-08	8.28E-08	3.10E-09	1.03E-08	1.34E-08	1.67E-09	4.76E-09	6.43E-09
3454	437927.99	3761993.91	2.01E-08	6.33E-08	8.34E-08	3.12E-09	1.03E-08	1.35E-08	1.68E-09	4.79E-09	6.48E-09
3455	437936.64	3761997.49	2.02E-08	6.37E-08	8.39E-08	3.14E-09	1.04E-08	1.35E-08	1.69E-09	4.83E-09	6.52E-09
3456	438182.39	3762106.55	2.27E-08	7.15E-08	9.42E-08	3.53E-09	1.17E-08	1.52E-08	1.90E-09	5.42E-09	7.32E-09
3457	438185.97	3762115.2	2.30E-08	7.25E-08	9.55E-08	3.58E-09	1.18E-08	1.54E-08	1.93E-09	5.49E-09	7.42E-09
3458	438189.54	3762123.85	2.33E-08	7.35E-08	9.69E-08	3.63E-09	1.20E-08	1.56E-08	1.95E-09	5.57E-09	7.53E-09
3459	438193.11	3762132.51	2.37E-08	7.45E-08	9.82E-08	3.68E-09	1.22E-08	1.59E-08	1.98E-09	5.65E-09	7.63E-09
3460	438196.69	3762141.16	2.40E-08	7.56E-08	9.95E-08	3.73E-09	1.23E-08	1.61E-08	2.01E-09	5.73E-09	7.73E-09
3461	438200.26	3762149.82	2.43E-08	7.66E-08	1.01E-07	3.78E-09	1.25E-08	1.63E-08	2.04E-09	5.80E-09	7.84E-09
3462	438203.84	3762158.47	2.47E-08	7.76E-08	1.02E-07	3.83E-09	1.27E-08	1.65E-08	2.06E-09	5.88E-09	7.95E-09
3463	438207.41	3762167.13	2.50E-08	7.87E-08	1.04E-07	3.88E-09	1.29E-08	1.67E-08	2.09E-09	5.96E-09	8.05E-09
3464	438210.98	3762175.78	2.53E-08	7.98E-08	1.05E-07	3.94E-09	1.30E-08	1.70E-08	2.12E-09	6.04E-09	8.16E-09
3465	438214.56	3762184.43	2.57E-08	8.08E-08	1.07E-07	3.99E-09	1.32E-08	1.72E-08	2.15E-09	6.13E-09	8.27E-09
3466	438218.13	3762193.09	2.60E-08	8.20E-08	1.08E-07	4.04E-09	1.34E-08	1.74E-08	2.18E-09	6.21E-09	8.39E-09
3467	438221.71	3762201.74	2.64E-08	8.31E-08	1.09E-07	4.10E-09	1.36E-08	1.77E-08	2.21E-09	6.30E-09	8.50E-09
3468	438225.28	3762210.4	2.67E-08	8.42E-08	1.11E-07	4.16E-09	1.38E-08	1.79E-08	2.24E-09	6.38E-09	8.62E-09
3469	438228.85	3762219.05	2.71E-08	8.54E-08	1.13E-07	4.21E-09	1.39E-08	1.82E-08	2.27E-09	6.47E-09	8.74E-09
3470	438232.43	3762227.71	2.75E-08	8.66E-08	1.14E-07	4.27E-09	1.41E-08	1.84E-08	2.30E-09	6.56E-09	8.86E-09
3471	438236	3762236.36	2.79E-08	8.78E-08	1.16E-07	4.33E-09	1.43E-08	1.87E-08	2.33E-09	6.65E-09	8.98E-09
3472	438239.58	3762245.01	2.83E-08	8.90E-08	1.17E-07	4.39E-09	1.45E-08	1.89E-08	2.37E-09	6.74E-09	9.11E-09
3473	438243.15	3762253.67	2.87E-08	9.02E-08	1.19E-07	4.45E-09	1.47E-08	1.92E-08	2.40E-09	6.84E-09	9.24E-09

3474	438246.72	3762262.32	2.91E-08	9.15E-08	1.21E-07	4.52E-09	1.49E-08	1.95E-08	2.43E-09	6.93E-09	9.37E-09
3475	438250.3	3762270.98	2.95E-08	9.28E-08	1.22E-07	4.58E-09	1.52E-08	1.97E-08	2.47E-09	7.03E-09	9.50E-09
3476	438253.87	3762279.63	2.99E-08	9.41E-08	1.24E-07	4.64E-09	1.54E-08	2.00E-08	2.50E-09	7.13E-09	9.64E-09
3477	438257.44	3762288.29	3.03E-08	9.55E-08	1.26E-07	4.71E-09	1.56E-08	2.03E-08	2.54E-09	7.24E-09	9.77E-09
3478	438261.02	3762296.94	3.08E-08	9.69E-08	1.28E-07	4.78E-09	1.58E-08	2.06E-08	2.57E-09	7.34E-09	9.91E-09
3479	438264.59	3762305.59	3.12E-08	9.83E-08	1.29E-07	4.85E-09	1.61E-08	2.09E-08	2.61E-09	7.45E-09	1.01E-08
3480	438268.17	3762314.25	3.17E-08	9.98E-08	1.31E-07	4.92E-09	1.63E-08	2.12E-08	2.65E-09	7.56E-09	1.02E-08
3481	438271.74	3762322.9	3.22E-08	1.01E-07	1.33E-07	5.00E-09	1.65E-08	2.15E-08	2.69E-09	7.67E-09	1.04E-08
3482	438275.31	3762331.56	3.26E-08	1.03E-07	1.35E-07	5.07E-09	1.68E-08	2.19E-08	2.73E-09	7.79E-09	1.05E-08
3483	438278.89	3762340.21	3.32E-08	1.04E-07	1.38E-07	5.15E-09	1.71E-08	2.22E-08	2.78E-09	7.91E-09	1.07E-08
3484	438282.46	3762348.87	3.37E-08	1.06E-07	1.40E-07	5.23E-09	1.73E-08	2.26E-08	2.82E-09	8.04E-09	1.09E-08
3485	438286.04	3762357.52	3.42E-08	1.08E-07	1.42E-07	5.32E-09	1.76E-08	2.29E-08	2.86E-09	8.16E-09	1.10E-08
3486	438300.33	3762392.14	3.65E-08	1.15E-07	1.52E-07	5.68E-09	1.88E-08	2.45E-08	3.06E-09	8.72E-09	1.18E-08
3487	438303.91	3762400.79	3.72E-08	1.17E-07	1.54E-07	5.78E-09	1.91E-08	2.49E-08	3.11E-09	8.87E-09	1.20E-08
3488	438307.48	3762409.45	3.78E-08	1.19E-07	1.57E-07	5.88E-09	1.95E-08	2.53E-08	3.17E-09	9.02E-09	1.22E-08
3489	438311.05	3762418.1	3.85E-08	1.21E-07	1.60E-07	5.98E-09	1.98E-08	2.58E-08	3.22E-09	9.18E-09	1.24E-08
3490	438314.63	3762426.76	3.91E-08	1.23E-07	1.62E-07	6.08E-09	2.01E-08	2.62E-08	3.28E-09	9.34E-09	1.26E-08
3491	438325.35	3762452.72	4.13E-08	1.30E-07	1.71E-07	6.41E-09	2.12E-08	2.76E-08	3.45E-09	9.85E-09	1.33E-08
3492	438328.92	3762461.37	4.20E-08	1.32E-07	1.74E-07	6.53E-09	2.16E-08	2.81E-08	3.52E-09	1.00E-08	1.35E-08
3493	438332.5	3762470.03	4.28E-08	1.35E-07	1.77E-07	6.64E-09	2.20E-08	2.86E-08	3.58E-09	1.02E-08	1.38E-08
3494	438336.07	3762478.68	4.35E-08	1.37E-07	1.81E-07	6.76E-09	2.24E-08	2.91E-08	3.64E-09	1.04E-08	1.40E-08
3495	438339.64	3762487.34	4.43E-08	1.39E-07	1.84E-07	6.88E-09	2.28E-08	2.97E-08	3.71E-09	1.06E-08	1.43E-08
3496	438343.22	3762495.99	4.51E-08	1.42E-07	1.87E-07	7.00E-09	2.32E-08	3.02E-08	3.77E-09	1.08E-08	1.45E-08
3497	438346.79	3762504.64	4.59E-08	1.44E-07	1.90E-07	7.12E-09	2.36E-08	3.07E-08	3.84E-09	1.09E-08	1.48E-08
3498	438389.68	3762608.5	5.58E-08	1.76E-07	2.31E-07	8.67E-09	2.87E-08	3.74E-08	4.67E-09	1.33E-08	1.80E-08
3499	438393.25	3762617.15	5.66E-08	1.78E-07	2.35E-07	8.79E-09	2.91E-08	3.79E-08	4.74E-09	1.35E-08	1.82E-08
3500	438396.83	3762625.8	5.74E-08	1.81E-07	2.38E-07	8.92E-09	2.95E-08	3.85E-08	4.81E-09	1.37E-08	1.85E-08
3501	438400.4	3762634.46	5.82E-08	1.83E-07	2.42E-07	9.05E-09	3.00E-08	3.90E-08	4.87E-09	1.39E-08	1.88E-08
3502	438403.97	3762643.11	5.90E-08	1.86E-07	2.45E-07	9.17E-09	3.04E-08	3.95E-08	4.94E-09	1.41E-08	1.90E-08
3503	438407.55	3762651.77	5.98E-08	1.88E-07	2.48E-07	9.29E-09	3.08E-08	4.01E-08	5.00E-09	1.43E-08	1.93E-08
3504	438411.12	3762660.42	6.06E-08	1.91E-07	2.51E-07	9.41E-09	3.12E-08	4.06E-08	5.07E-09	1.45E-08	1.95E-08
3505	438414.7	3762669.08	6.13E-08	1.93E-07	2.54E-07	9.52E-09	3.15E-08	4.11E-08	5.13E-09	1.46E-08	1.98E-08
3506	438418.27	3762677.73	6.20E-08	1.95E-07	2.57E-07	9.64E-09	3.19E-08	4.15E-08	5.19E-09	1.48E-08	2.00E-08
3507	438421.84	3762686.38	6.27E-08	1.98E-07	2.60E-07	9.75E-09	3.23E-08	4.20E-08	5.25E-09	1.50E-08	2.02E-08
3508	438425.42	3762695.04	6.34E-08	2.00E-07	2.63E-07	9.86E-09	3.26E-08	4.25E-08	5.31E-09	1.51E-08	2.05E-08
3509	438428.99	3762703.69	6.41E-08	2.02E-07	2.66E-07	9.97E-09	3.30E-08	4.30E-08	5.37E-09	1.53E-08	2.07E-08
3510	438432.57	3762712.35	6.48E-08	2.04E-07	2.69E-07	1.01E-08	3.33E-08	4.34E-08	5.43E-09	1.55E-08	2.09E-08
3511	437693.12	3761856.54	1.41E-08	4.45E-08	5.86E-08	2.20E-09	7.27E-09	9.46E-09	1.18E-09	3.37E-09	4.55E-09
3512	437701.69	3761860.09	1.43E-08	4.50E-08	5.93E-08	2.22E-09	7.36E-09	9.58E-09	1.20E-09	3.41E-09	4.61E-09
3513	437710.26	3761863.65	1.45E-08	4.56E-08	6.00E-08	2.25E-09	7.45E-09	9.69E-09	1.21E-09	3.45E-09	4.66E-09
3514	437718.82	3761867.2	1.46E-08	4.61E-08	6.08E-08	2.28E-09	7.53E-09	9.81E-09	1.23E-09	3.49E-09	4.72E-09
3515	437727.39	3761870.75	1.48E-08	4.67E-08	6.15E-08	2.30E-09	7.62E-09	9.92E-09	1.24E-09	3.54E-09	4.78E-09
3516	437735.96	3761874.3	1.50E-08	4.72E-08	6.22E-08	2.33E-09	7.72E-09	1.00E-08	1.26E-09	3.58E-09	4.83E-09
3517	437744.52	3761877.85	1.52E-08	4.78E-08	6.30E-08	2.36E-09	7.81E-09	1.02E-08	1.27E-09	3.62E-09	4.89E-09
3518	437753.09	3761881.4	1.54E-08	4.84E-08	6.37E-08	2.39E-09	7.90E-09	1.03E-08	1.29E-09	3.66E-09	4.95E-09
3519	437761.66	3761884.95	1.55E-08	4.89E-08	6.44E-08	2.41E-09	7.99E-09	1.04E-08	1.30E-09	3.71E-09	5.01E-09
3520	437770.22	3761888.51	1.57E-08	4.95E-08	6.52E-08	2.44E-09	8.09E-09	1.05E-08	1.32E-09	3.75E-09	5.07E-09
3521	437778.79	3761892.06	1.59E-08	5.01E-08	6.60E-08	2.47E-09	8.19E-09	1.07E-08	1.33E-09	3.80E-09	5.13E-09
3522	437787.36	3761895.61	1.61E-08	5.07E-08	6.68E-08	2.50E-09	8.28E-09	1.08E-08	1.35E-09	3.84E-09	5.19E-09
3523	437795.92	3761899.16	1.63E-08	5.13E-08	6.75E-08	2.53E-09	8.38E-09	1.09E-08	1.36E-09	3.88E-09	5.25E-09
3524	437804.49	3761902.71	1.65E-08	5.18E-08	6.83E-08	2.56E-09	8.47E-09	1.10E-08	1.38E-09	3.93E-09	5.30E-09
3525	437813.06	3761906.26	1.66E-08	5.24E-08	6.90E-08	2.58E-09	8.56E-09	1.11E-08	1.39E-09	3.97E-09	5.36E-09
3526	437821.62	3761909.81	1.68E-08	5.29E-08	6.97E-08	2.61E-09	8.64E-09	1.13E-08	1.41E-09	4.01E-09	5.41E-09
3527	437830.19	3761913.36	1.70E-08	5.34E-08	7.03E-08	2.63E-09	8.72E-09	1.14E-08	1.42E-09	4.04E-09	5.46E-09
3528	437838.76	3761916.92	1.71E-08	5.39E-08	7.10E-08	2.66E-09	8.80E-09	1.15E-08	1.43E-09	4.08E-09	5.51E-09
3529	437847.32	3761920.47	1.72E-08	5.43E-08	7.16E-08	2.68E-09	8.87E-09	1.16E-08	1.44E-09	4.12E-09	5.56E-09
3530	437855.89	3761924.02	1.74E-08	5.48E-08	7.22E-08	2.70E-09	8.95E-09	1.17E-08	1.46E-09	4.15E-09	5.61E-09
3531	437864.46	3761927.57	1.75E-08	5.52E-08	7.28E-08	2.72E-09	9.02E-09	1.17E-08	1.47E-09	4.18E-09	5.65E-09
3532	437873.02	3761931.12	1.77E-08	5.57E-08	7.33E-08	2.75E-09	9.09E-09	1.18E-08	1.48E-09	4.22E-09	5.70E-09
3533	437881.59	3761934.67	1.78E-08	5.61E-08	7.39E-08	2.77E-09	9.16E-09	1.19E-08	1.49E-09	4.25E-09	5.74E-09
3534	437890.16	3761938.22	1.79E-08	5.65E-08	7.44E-08	2.79E-09	9.23E-09	1.20E-08	1.50E-09	4.28E-09	5.78E-09

3535	437898.72	3761941.78	1.81E-08	5.69E-08	7.50E-08	2.81E-09	9.30E-09	1.21E-08	1.51E-09	4.31E-09	5.83E-09
3536	437907.29	3761945.33	1.82E-08	5.73E-08	7.55E-08	2.83E-09	9.36E-09	1.22E-08	1.52E-09	4.34E-09	5.87E-09
3537	437915.86	3761948.88	1.83E-08	5.77E-08	7.60E-08	2.85E-09	9.43E-09	1.23E-08	1.53E-09	4.37E-09	5.91E-09
3538	437924.42	3761952.43	1.84E-08	5.81E-08	7.65E-08	2.87E-09	9.49E-09	1.24E-08	1.54E-09	4.40E-09	5.94E-09
3539	437932.99	3761955.98	1.86E-08	5.84E-08	7.70E-08	2.88E-09	9.55E-09	1.24E-08	1.55E-09	4.43E-09	5.98E-09
3540	437941.56	3761959.53	1.87E-08	5.88E-08	7.75E-08	2.90E-09	9.60E-09	1.25E-08	1.56E-09	4.45E-09	6.02E-09
3541	437950.12	3761963.08	1.88E-08	5.91E-08	7.79E-08	2.92E-09	9.66E-09	1.26E-08	1.57E-09	4.48E-09	6.05E-09
3542	437958.69	3761966.64	1.89E-08	5.95E-08	7.84E-08	2.94E-09	9.72E-09	1.27E-08	1.58E-09	4.51E-09	6.09E-09
3543	437967.26	3761970.19	1.90E-08	5.98E-08	7.88E-08	2.95E-09	9.77E-09	1.27E-08	1.59E-09	4.53E-09	6.12E-09
3544	437975.82	3761973.74	1.91E-08	6.02E-08	7.93E-08	2.97E-09	9.83E-09	1.28E-08	1.60E-09	4.56E-09	6.16E-09
3545	438070.06	3762012.8	2.01E-08	6.34E-08	8.35E-08	3.13E-09	1.04E-08	1.35E-08	1.68E-09	4.80E-09	6.49E-09
3546	438078.62	3762016.36	2.02E-08	6.36E-08	8.38E-08	3.14E-09	1.04E-08	1.35E-08	1.69E-09	4.82E-09	6.51E-09
3547	438087.19	3762019.91	2.03E-08	6.38E-08	8.41E-08	3.15E-09	1.04E-08	1.36E-08	1.70E-09	4.83E-09	6.53E-09
3548	438095.76	3762023.46	2.03E-08	6.40E-08	8.43E-08	3.16E-09	1.05E-08	1.36E-08	1.70E-09	4.85E-09	6.55E-09
3549	438104.32	3762027.01	2.04E-08	6.42E-08	8.46E-08	3.17E-09	1.05E-08	1.37E-08	1.71E-09	4.87E-09	6.57E-09
3550	438112.89	3762030.56	2.05E-08	6.44E-08	8.49E-08	3.18E-09	1.05E-08	1.37E-08	1.71E-09	4.88E-09	6.59E-09
3551	438121.46	3762034.11	2.05E-08	6.46E-08	8.51E-08	3.19E-09	1.05E-08	1.37E-08	1.72E-09	4.89E-09	6.61E-09
3552	438130.02	3762037.66	2.06E-08	6.47E-08	8.53E-08	3.19E-09	1.06E-08	1.38E-08	1.72E-09	4.91E-09	6.63E-09
3553	438138.59	3762041.22	2.06E-08	6.49E-08	8.55E-08	3.20E-09	1.06E-08	1.38E-08	1.72E-09	4.92E-09	6.64E-09
3554	438147.16	3762044.77	2.07E-08	6.50E-08	8.57E-08	3.21E-09	1.06E-08	1.38E-08	1.73E-09	4.93E-09	6.66E-09
3555	438221.28	3762103.91	2.20E-08	6.92E-08	9.12E-08	3.42E-09	1.13E-08	1.47E-08	1.84E-09	5.25E-09	7.09E-09
3556	438224.82	3762112.48	2.23E-08	7.01E-08	9.24E-08	3.46E-09	1.15E-08	1.49E-08	1.86E-09	5.31E-09	7.18E-09
3557	438228.36	3762121.06	2.26E-08	7.10E-08	9.36E-08	3.50E-09	1.16E-08	1.51E-08	1.89E-09	5.38E-09	7.27E-09
3558	438231.9	3762129.63	2.28E-08	7.19E-08	9.48E-08	3.55E-09	1.18E-08	1.53E-08	1.91E-09	5.45E-09	7.36E-09
3559	438235.44	3762138.2	2.31E-08	7.29E-08	9.60E-08	3.59E-09	1.19E-08	1.55E-08	1.94E-09	5.52E-09	7.46E-09
3560	438238.98	3762146.77	2.34E-08	7.38E-08	9.72E-08	3.64E-09	1.21E-08	1.57E-08	1.96E-09	5.59E-09	7.55E-09
3561	438242.52	3762155.34	2.37E-08	7.47E-08	9.85E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.66E-09	7.65E-09
3562	438246.06	3762163.91	2.40E-08	7.57E-08	9.97E-08	3.73E-09	1.24E-08	1.61E-08	2.01E-09	5.74E-09	7.75E-09
3563	438249.6	3762172.48	2.43E-08	7.67E-08	1.01E-07	3.78E-09	1.25E-08	1.63E-08	2.04E-09	5.81E-09	7.85E-09
3564	438253.14	3762181.06	2.47E-08	7.76E-08	1.02E-07	3.83E-09	1.27E-08	1.65E-08	2.06E-09	5.88E-09	7.95E-09
3565	438256.68	3762189.63	2.50E-08	7.86E-08	1.04E-07	3.88E-09	1.28E-08	1.67E-08	2.09E-09	5.96E-09	8.05E-09
3566	438260.22	3762198.2	2.53E-08	7.96E-08	1.05E-07	3.93E-09	1.30E-08	1.69E-08	2.12E-09	6.03E-09	8.15E-09
3567	438263.76	3762206.77	2.56E-08	8.07E-08	1.06E-07	3.98E-09	1.32E-08	1.72E-08	2.14E-09	6.11E-09	8.26E-09
3568	438267.3	3762215.34	2.59E-08	8.17E-08	1.08E-07	4.03E-09	1.33E-08	1.74E-08	2.17E-09	6.19E-09	8.36E-09
3569	438270.84	3762223.91	2.63E-08	8.28E-08	1.09E-07	4.08E-09	1.35E-08	1.76E-08	2.20E-09	6.27E-09	8.47E-09
3570	438274.38	3762232.49	2.66E-08	8.38E-08	1.10E-07	4.14E-09	1.37E-08	1.78E-08	2.23E-09	6.35E-09	8.58E-09
3571	438277.92	3762241.06	2.70E-08	8.49E-08	1.12E-07	4.19E-09	1.39E-08	1.81E-08	2.26E-09	6.44E-09	8.69E-09
3572	438281.46	3762249.63	2.73E-08	8.61E-08	1.13E-07	4.25E-09	1.41E-08	1.83E-08	2.29E-09	6.52E-09	8.81E-09
3573	438285	3762258.2	2.77E-08	8.72E-08	1.15E-07	4.30E-09	1.42E-08	1.85E-08	2.32E-09	6.61E-09	8.92E-09
3574	438288.54	3762266.77	2.81E-08	8.84E-08	1.16E-07	4.36E-09	1.44E-08	1.88E-08	2.35E-09	6.69E-09	9.04E-09
3575	438292.08	3762275.34	2.84E-08	8.95E-08	1.18E-07	4.42E-09	1.46E-08	1.90E-08	2.38E-09	6.78E-09	9.16E-09
3576	438295.62	3762283.91	2.88E-08	9.08E-08	1.20E-07	4.48E-09	1.48E-08	1.93E-08	2.41E-09	6.88E-09	9.29E-09
3577	438299.15	3762292.49	2.92E-08	9.20E-08	1.21E-07	4.54E-09	1.50E-08	1.96E-08	2.45E-09	6.97E-09	9.42E-09
3578	438302.69	3762301.06	2.96E-08	9.33E-08	1.23E-07	4.60E-09	1.52E-08	1.98E-08	2.48E-09	7.07E-09	9.55E-09
3579	438306.23	3762309.63	3.00E-08	9.46E-08	1.25E-07	4.67E-09	1.55E-08	2.01E-08	2.52E-09	7.17E-09	9.69E-09
3580	438309.77	3762318.2	3.05E-08	9.60E-08	1.26E-07	4.74E-09	1.57E-08	2.04E-08	2.55E-09	7.27E-09	9.82E-09
3581	438313.31	3762326.77	3.09E-08	9.74E-08	1.28E-07	4.81E-09	1.59E-08	2.07E-08	2.59E-09	7.38E-09	9.97E-09
3582	438316.85	3762335.34	3.14E-08	9.88E-08	1.30E-07	4.88E-09	1.61E-08	2.10E-08	2.63E-09	7.49E-09	1.01E-08
3583	438320.39	3762343.91	3.19E-08	1.00E-07	1.32E-07	4.95E-09	1.64E-08	2.13E-08	2.67E-09	7.60E-09	1.03E-08
3584	438323.93	3762352.49	3.23E-08	1.02E-07	1.34E-07	5.03E-09	1.66E-08	2.17E-08	2.71E-09	7.72E-09	1.04E-08
3585	438327.47	3762361.06	3.28E-08	1.03E-07	1.36E-07	5.10E-09	1.69E-08	2.20E-08	2.75E-09	7.84E-09	1.06E-08
3586	438341.63	3762395.34	3.50E-08	1.10E-07	1.45E-07	5.44E-09	1.80E-08	2.34E-08	2.93E-09	8.35E-09	1.13E-08
3587	438345.17	3762403.91	3.56E-08	1.12E-07	1.48E-07	5.53E-09	1.83E-08	2.38E-08	2.98E-09	8.49E-09	1.15E-08
3588	438348.71	3762412.49	3.61E-08	1.14E-07	1.50E-07	5.62E-09	1.86E-08	2.42E-08	3.03E-09	8.63E-09	1.17E-08
3589	438391.19	3762515.34	4.41E-08	1.39E-07	1.83E-07	6.86E-09	2.27E-08	2.96E-08	3.69E-09	1.05E-08	1.42E-08
3590	438394.73	3762523.92	4.48E-08	1.41E-07	1.86E-07	6.97E-09	2.31E-08	3.00E-08	3.75E-09	1.07E-08	1.45E-08
3591	438398.27	3762532.49	4.56E-08	1.44E-07	1.89E-07	7.08E-09	2.34E-08	3.05E-08	3.81E-09	1.09E-08	1.47E-08
3592	438401.81	3762541.06	4.63E-08	1.46E-07	1.92E-07	7.19E-09	2.38E-08	3.10E-08	3.88E-09	1.10E-08	1.49E-08
3593	438405.35	3762549.63	4.70E-08	1.48E-07	1.95E-07	7.31E-09	2.42E-08	3.15E-08	3.94E-09	1.12E-08	1.52E-08
3594	438408.88	3762558.2	4.78E-08	1.50E-07	1.98E-07	7.42E-09	2.46E-08	3.20E-08	4.00E-09	1.14E-08	1.54E-08
3595	438412.42	3762566.77	4.85E-08	1.53E-07	2.01E-07	7.53E-09	2.49E-08	3.25E-08	4.06E-09	1.16E-08	1.56E-08

3596	438415.96	3762575.34	4.92E-08	1.55E-07	2.04E-07	7.64E-09	2.53E-08	3.30E-08	4.12E-09	1.17E-08	1.59E-08
3597	438419.5	3762583.92	4.99E-08	1.57E-07	2.07E-07	7.76E-09	2.57E-08	3.34E-08	4.18E-09	1.19E-08	1.61E-08
3598	438423.04	3762592.49	5.06E-08	1.59E-07	2.10E-07	7.87E-09	2.61E-08	3.39E-08	4.24E-09	1.21E-08	1.63E-08
3599	438426.58	3762601.06	5.13E-08	1.62E-07	2.13E-07	7.98E-09	2.64E-08	3.44E-08	4.30E-09	1.23E-08	1.66E-08
3600	438430.12	3762609.63	5.21E-08	1.64E-07	2.16E-07	8.09E-09	2.68E-08	3.49E-08	4.36E-09	1.24E-08	1.68E-08
3601	438433.66	3762618.2	5.28E-08	1.66E-07	2.19E-07	8.20E-09	2.72E-08	3.54E-08	4.42E-09	1.26E-08	1.70E-08
3602	438437.2	3762626.77	5.35E-08	1.68E-07	2.22E-07	8.31E-09	2.75E-08	3.58E-08	4.48E-09	1.28E-08	1.72E-08
3603	438440.74	3762635.34	5.42E-08	1.71E-07	2.25E-07	8.42E-09	2.79E-08	3.63E-08	4.54E-09	1.29E-08	1.75E-08
3604	438444.28	3762643.92	5.49E-08	1.73E-07	2.28E-07	8.53E-09	2.82E-08	3.68E-08	4.59E-09	1.31E-08	1.77E-08
3605	438447.82	3762652.49	5.56E-08	1.75E-07	2.31E-07	8.63E-09	2.86E-08	3.72E-08	4.65E-09	1.33E-08	1.79E-08
3606	438451.36	3762661.06	5.62E-08	1.77E-07	2.33E-07	8.74E-09	2.89E-08	3.77E-08	4.71E-09	1.34E-08	1.81E-08
3607	438454.9	3762669.63	5.69E-08	1.79E-07	2.36E-07	8.84E-09	2.93E-08	3.81E-08	4.76E-09	1.36E-08	1.83E-08
3608	438458.44	3762678.2	5.75E-08	1.81E-07	2.39E-07	8.94E-09	2.96E-08	3.85E-08	4.82E-09	1.37E-08	1.85E-08
3609	438461.98	3762686.77	5.82E-08	1.83E-07	2.41E-07	9.04E-09	2.99E-08	3.90E-08	4.87E-09	1.39E-08	1.87E-08
3610	438465.52	3762695.35	5.88E-08	1.85E-07	2.44E-07	9.13E-09	3.02E-08	3.94E-08	4.92E-09	1.40E-08	1.89E-08
3611	438469.06	3762703.92	5.94E-08	1.87E-07	2.46E-07	9.22E-09	3.05E-08	3.98E-08	4.97E-09	1.42E-08	1.91E-08
3612	438472.6	3762712.49	5.99E-08	1.89E-07	2.49E-07	9.31E-09	3.08E-08	4.01E-08	5.02E-09	1.43E-08	1.93E-08
3613	437537.28	3761799.72	1.13E-08	3.57E-08	4.70E-08	1.76E-09	5.83E-09	7.59E-09	9.48E-10	2.70E-09	3.65E-09
3614	437527.89	3761799.72	1.13E-08	3.55E-08	4.67E-08	1.75E-09	5.79E-09	7.54E-09	9.42E-10	2.69E-09	3.63E-09
3615	437518.5	3761799.72	1.12E-08	3.52E-08	4.64E-08	1.74E-09	5.75E-09	7.49E-09	9.36E-10	2.67E-09	3.60E-09
3616	437509.1	3761799.72	1.11E-08	3.50E-08	4.61E-08	1.73E-09	5.72E-09	7.44E-09	9.30E-10	2.65E-09	3.58E-09
3617	437499.71	3761799.73	1.10E-08	3.48E-08	4.58E-08	1.72E-09	5.68E-09	7.40E-09	9.24E-10	2.64E-09	3.56E-09
3618	437490.32	3761799.73	1.10E-08	3.46E-08	4.55E-08	1.71E-09	5.65E-09	7.35E-09	9.19E-10	2.62E-09	3.54E-09
3619	437480.93	3761799.73	1.09E-08	3.43E-08	4.52E-08	1.69E-09	5.61E-09	7.30E-09	9.13E-10	2.60E-09	3.52E-09
3620	437471.54	3761799.73	1.08E-08	3.41E-08	4.50E-08	1.68E-09	5.58E-09	7.26E-09	9.07E-10	2.59E-09	3.49E-09
3621	437462.15	3761799.73	1.08E-08	3.39E-08	4.47E-08	1.67E-09	5.54E-09	7.21E-09	9.01E-10	2.57E-09	3.47E-09
3622	437719.45	3761827.46	1.36E-08	4.28E-08	5.63E-08	2.11E-09	6.98E-09	9.09E-09	1.14E-09	3.24E-09	4.38E-09
3623	437728.05	3761831.02	1.37E-08	4.33E-08	5.70E-08	2.14E-09	7.07E-09	9.21E-09	1.15E-09	3.28E-09	4.43E-09
3624	437736.65	3761834.59	1.39E-08	4.38E-08	5.77E-08	2.16E-09	7.16E-09	9.32E-09	1.16E-09	3.32E-09	4.49E-09
3625	437745.25	3761838.15	1.41E-08	4.44E-08	5.84E-08	2.19E-09	7.25E-09	9.44E-09	1.18E-09	3.36E-09	4.54E-09
3626	437753.85	3761841.72	1.43E-08	4.49E-08	5.91E-08	2.21E-09	7.33E-09	9.55E-09	1.19E-09	3.40E-09	4.60E-09
3627	437762.45	3761845.28	1.44E-08	4.54E-08	5.99E-08	2.24E-09	7.42E-09	9.67E-09	1.21E-09	3.44E-09	4.65E-09
3628	437771.05	3761848.85	1.46E-08	4.60E-08	6.06E-08	2.27E-09	7.51E-09	9.78E-09	1.22E-09	3.48E-09	4.71E-09
3629	437779.65	3761852.41	1.48E-08	4.65E-08	6.13E-08	2.29E-09	7.60E-09	9.89E-09	1.24E-09	3.52E-09	4.76E-09
3630	437788.25	3761855.98	1.49E-08	4.70E-08	6.20E-08	2.32E-09	7.68E-09	1.00E-08	1.25E-09	3.56E-09	4.81E-09
3631	437796.84	3761859.54	1.51E-08	4.76E-08	6.27E-08	2.35E-09	7.77E-09	1.01E-08	1.26E-09	3.60E-09	4.87E-09
3632	437805.44	3761863.11	1.53E-08	4.81E-08	6.34E-08	2.37E-09	7.86E-09	1.02E-08	1.28E-09	3.64E-09	4.92E-09
3633	437814.04	3761866.67	1.54E-08	4.86E-08	6.40E-08	2.40E-09	7.94E-09	1.03E-08	1.29E-09	3.68E-09	4.97E-09
3634	437822.64	3761870.24	1.56E-08	4.91E-08	6.47E-08	2.42E-09	8.02E-09	1.04E-08	1.30E-09	3.72E-09	5.02E-09
3635	437831.24	3761873.8	1.57E-08	4.95E-08	6.52E-08	2.44E-09	8.09E-09	1.05E-08	1.32E-09	3.75E-09	5.07E-09
3636	437839.84	3761877.37	1.59E-08	4.99E-08	6.58E-08	2.46E-09	8.16E-09	1.06E-08	1.33E-09	3.78E-09	5.11E-09
3637	437848.44	3761880.93	1.60E-08	5.03E-08	6.63E-08	2.48E-09	8.22E-09	1.07E-08	1.34E-09	3.81E-09	5.15E-09
3638	437857.04	3761884.5	1.61E-08	5.07E-08	6.69E-08	2.50E-09	8.29E-09	1.08E-08	1.35E-09	3.85E-09	5.19E-09
3639	437865.64	3761888.06	1.62E-08	5.11E-08	6.74E-08	2.52E-09	8.35E-09	1.09E-08	1.36E-09	3.87E-09	5.23E-09
3640	437874.24	3761891.63	1.64E-08	5.15E-08	6.79E-08	2.54E-09	8.42E-09	1.10E-08	1.37E-09	3.90E-09	5.27E-09
3641	437882.84	3761895.19	1.65E-08	5.19E-08	6.84E-08	2.56E-09	8.48E-09	1.10E-08	1.38E-09	3.93E-09	5.31E-09
3642	437891.44	3761898.76	1.66E-08	5.23E-08	6.89E-08	2.58E-09	8.54E-09	1.11E-08	1.39E-09	3.96E-09	5.35E-09
3643	437900.04	3761902.32	1.67E-08	5.27E-08	6.94E-08	2.60E-09	8.60E-09	1.12E-08	1.40E-09	3.99E-09	5.39E-09
3644	437908.64	3761905.89	1.68E-08	5.30E-08	6.99E-08	2.62E-09	8.66E-09	1.13E-08	1.41E-09	4.02E-09	5.43E-09
3645	437917.24	3761909.45	1.70E-08	5.34E-08	7.03E-08	2.63E-09	8.72E-09	1.14E-08	1.42E-09	4.04E-09	5.46E-09
3646	437925.84	3761913.02	1.71E-08	5.37E-08	7.08E-08	2.65E-09	8.78E-09	1.14E-08	1.43E-09	4.07E-09	5.50E-09
3647	437934.44	3761916.58	1.72E-08	5.41E-08	7.12E-08	2.67E-09	8.83E-09	1.15E-08	1.44E-09	4.10E-09	5.53E-09
3648	437943.04	3761920.15	1.73E-08	5.44E-08	7.17E-08	2.68E-09	8.89E-09	1.16E-08	1.45E-09	4.12E-09	5.57E-09
3649	437951.64	3761923.71	1.74E-08	5.47E-08	7.21E-08	2.70E-09	8.94E-09	1.16E-08	1.45E-09	4.15E-09	5.60E-09
3650	437960.24	3761927.28	1.75E-08	5.50E-08	7.25E-08	2.72E-09	8.99E-09	1.17E-08	1.46E-09	4.17E-09	5.63E-09
3651	437968.84	3761930.84	1.76E-08	5.54E-08	7.29E-08	2.73E-09	9.04E-09	1.18E-08	1.47E-09	4.19E-09	5.67E-09
3652	437977.44	3761934.41	1.77E-08	5.57E-08	7.33E-08	2.75E-09	9.09E-09	1.18E-08	1.48E-09	4.22E-09	5.70E-09
3653	438046.23	3761962.93	1.84E-08	5.80E-08	7.64E-08	2.86E-09	9.47E-09	1.23E-08	1.54E-09	4.39E-09	5.93E-09
3654	438054.83	3761966.5	1.85E-08	5.83E-08	7.67E-08	2.87E-09	9.52E-09	1.24E-08	1.55E-09	4.41E-09	5.96E-09
3655	438063.43	3761970.06	1.86E-08	5.85E-08	7.71E-08	2.89E-09	9.56E-09	1.24E-08	1.55E-09	4.43E-09	5.99E-09
3656	438072.03	3761973.63	1.87E-08	5.87E-08	7.74E-08	2.90E-09	9.60E-09	1.25E-08	1.56E-09	4.45E-09	6.01E-09

3657	438080.63	3761977.19	1.87E-08	5.90E-08	7.77E-08	2.91E-09	9.63E-09	1.25E-08	1.57E-09	4.47E-09	6.03E-09
3658	438089.23	3761980.76	1.88E-08	5.92E-08	7.80E-08	2.92E-09	9.67E-09	1.26E-08	1.57E-09	4.48E-09	6.06E-09
3659	438097.83	3761984.32	1.89E-08	5.94E-08	7.82E-08	2.93E-09	9.70E-09	1.26E-08	1.58E-09	4.50E-09	6.08E-09
3660	438106.43	3761987.89	1.89E-08	5.96E-08	7.85E-08	2.94E-09	9.74E-09	1.27E-08	1.58E-09	4.52E-09	6.10E-09
3661	438115.03	3761991.45	1.90E-08	5.98E-08	7.88E-08	2.95E-09	9.77E-09	1.27E-08	1.59E-09	4.53E-09	6.12E-09
3662	438123.63	3761995.02	1.90E-08	6.00E-08	7.90E-08	2.96E-09	9.80E-09	1.28E-08	1.59E-09	4.55E-09	6.14E-09
3663	438132.23	3761998.58	1.91E-08	6.02E-08	7.93E-08	2.97E-09	9.83E-09	1.28E-08	1.60E-09	4.56E-09	6.16E-09
3664	438140.83	3762002.15	1.92E-08	6.03E-08	7.95E-08	2.98E-09	9.86E-09	1.28E-08	1.60E-09	4.57E-09	6.17E-09
3665	438149.43	3762005.71	1.92E-08	6.05E-08	7.97E-08	2.98E-09	9.88E-09	1.29E-08	1.61E-09	4.58E-09	6.19E-09
3666	438158.03	3762009.28	1.93E-08	6.06E-08	7.99E-08	2.99E-09	9.90E-09	1.29E-08	1.61E-09	4.59E-09	6.21E-09
3667	438166.63	3762012.84	1.93E-08	6.07E-08	8.00E-08	3.00E-09	9.92E-09	1.29E-08	1.61E-09	4.60E-09	6.22E-09
3668	438175.23	3762016.41	1.93E-08	6.09E-08	8.02E-08	3.00E-09	9.94E-09	1.29E-08	1.62E-09	4.61E-09	6.23E-09
3669	438183.83	3762019.97	1.94E-08	6.10E-08	8.03E-08	3.01E-09	9.96E-09	1.30E-08	1.62E-09	4.62E-09	6.24E-09
3670	438192.43	3762023.54	1.94E-08	6.11E-08	8.05E-08	3.01E-09	9.98E-09	1.30E-08	1.62E-09	4.63E-09	6.25E-09
3671	438201.03	3762027.1	1.94E-08	6.12E-08	8.06E-08	3.02E-09	1.00E-08	1.30E-08	1.63E-09	4.64E-09	6.26E-09
3672	438209.63	3762030.67	1.95E-08	6.13E-08	8.07E-08	3.02E-09	1.00E-08	1.30E-08	1.63E-09	4.64E-09	6.27E-09
3673	438218.23	3762034.23	1.95E-08	6.13E-08	8.08E-08	3.03E-09	1.00E-08	1.30E-08	1.63E-09	4.65E-09	6.28E-09
3674	438226.83	3762037.8	1.95E-08	6.14E-08	8.09E-08	3.03E-09	1.00E-08	1.31E-08	1.63E-09	4.65E-09	6.29E-09
3675	438260.3	3762101.59	2.13E-08	6.70E-08	8.83E-08	3.31E-09	1.09E-08	1.42E-08	1.78E-09	5.08E-09	6.86E-09
3676	438263.85	3762110.2	2.15E-08	6.78E-08	8.93E-08	3.35E-09	1.11E-08	1.44E-08	1.80E-09	5.14E-09	6.94E-09
3677	438267.41	3762118.8	2.18E-08	6.86E-08	9.04E-08	3.39E-09	1.12E-08	1.46E-08	1.82E-09	5.20E-09	7.02E-09
3678	438270.96	3762127.41	2.21E-08	6.95E-08	9.15E-08	3.43E-09	1.13E-08	1.48E-08	1.85E-09	5.26E-09	7.11E-09
3679	438274.51	3762136.01	2.23E-08	7.03E-08	9.27E-08	3.47E-09	1.15E-08	1.50E-08	1.87E-09	5.33E-09	7.20E-09
3680	438278.07	3762144.62	2.26E-08	7.12E-08	9.38E-08	3.51E-09	1.16E-08	1.51E-08	1.89E-09	5.39E-09	7.29E-09
3681	438281.62	3762153.22	2.29E-08	7.21E-08	9.50E-08	3.56E-09	1.18E-08	1.53E-08	1.92E-09	5.46E-09	7.38E-09
3682	438285.17	3762161.82	2.32E-08	7.29E-08	9.61E-08	3.60E-09	1.19E-08	1.55E-08	1.94E-09	5.53E-09	7.47E-09
3683	438288.73	3762170.43	2.34E-08	7.38E-08	9.73E-08	3.64E-09	1.21E-08	1.57E-08	1.96E-09	5.59E-09	7.56E-09
3684	438292.28	3762179.03	2.37E-08	7.47E-08	9.84E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.66E-09	7.65E-09
3685	438295.83	3762187.64	2.40E-08	7.56E-08	9.96E-08	3.73E-09	1.24E-08	1.61E-08	2.01E-09	5.73E-09	7.74E-09
3686	438299.39	3762196.24	2.43E-08	7.65E-08	1.01E-07	3.78E-09	1.25E-08	1.63E-08	2.03E-09	5.80E-09	7.83E-09
3687	438302.94	3762204.85	2.46E-08	7.75E-08	1.02E-07	3.82E-09	1.27E-08	1.65E-08	2.06E-09	5.87E-09	7.93E-09
3688	438306.49	3762213.45	2.49E-08	7.84E-08	1.03E-07	3.87E-09	1.28E-08	1.67E-08	2.08E-09	5.94E-09	8.02E-09
3689	438310.05	3762222.06	2.52E-08	7.94E-08	1.05E-07	3.92E-09	1.30E-08	1.69E-08	2.11E-09	6.01E-09	8.12E-09
3690	438313.6	3762230.66	2.55E-08	8.03E-08	1.06E-07	3.96E-09	1.31E-08	1.71E-08	2.14E-09	6.09E-09	8.22E-09
3691	438317.15	3762239.27	2.58E-08	8.14E-08	1.07E-07	4.01E-09	1.33E-08	1.73E-08	2.16E-09	6.16E-09	8.33E-09
3692	438320.71	3762247.87	2.62E-08	8.24E-08	1.09E-07	4.06E-09	1.35E-08	1.75E-08	2.19E-09	6.24E-09	8.43E-09
3693	438324.26	3762256.47	2.65E-08	8.34E-08	1.10E-07	4.12E-09	1.36E-08	1.77E-08	2.22E-09	6.32E-09	8.54E-09
3694	438327.81	3762265.08	2.68E-08	8.45E-08	1.11E-07	4.17E-09	1.38E-08	1.80E-08	2.25E-09	6.40E-09	8.65E-09
3695	438331.37	3762273.68	2.72E-08	8.56E-08	1.13E-07	4.22E-09	1.40E-08	1.82E-08	2.28E-09	6.49E-09	8.76E-09
3696	438334.92	3762282.29	2.75E-08	8.68E-08	1.14E-07	4.28E-09	1.42E-08	1.85E-08	2.31E-09	6.57E-09	8.88E-09
3697	438338.47	3762290.89	2.79E-08	8.79E-08	1.16E-07	4.34E-09	1.44E-08	1.87E-08	2.34E-09	6.66E-09	9.00E-09
3698	438342.03	3762299.5	2.83E-08	8.91E-08	1.17E-07	4.40E-09	1.46E-08	1.90E-08	2.37E-09	6.75E-09	9.12E-09
3699	438345.58	3762308.1	2.87E-08	9.03E-08	1.19E-07	4.46E-09	1.48E-08	1.92E-08	2.40E-09	6.85E-09	9.25E-09
3700	438349.13	3762316.71	2.91E-08	9.16E-08	1.21E-07	4.52E-09	1.50E-08	1.95E-08	2.44E-09	6.94E-09	9.38E-09
3701	438391.77	3762419.96	3.49E-08	1.10E-07	1.45E-07	5.42E-09	1.79E-08	2.34E-08	2.92E-09	8.32E-09	1.12E-08
3702	438395.33	3762428.56	3.54E-08	1.12E-07	1.47E-07	5.51E-09	1.82E-08	2.37E-08	2.97E-09	8.46E-09	1.14E-08
3703	438398.88	3762437.17	3.60E-08	1.13E-07	1.49E-07	5.60E-09	1.85E-08	2.41E-08	3.01E-09	8.59E-09	1.16E-08
3704	438402.43	3762445.77	3.66E-08	1.15E-07	1.52E-07	5.69E-09	1.88E-08	2.45E-08	3.06E-09	8.73E-09	1.18E-08
3705	438405.99	3762454.38	3.72E-08	1.17E-07	1.54E-07	5.78E-09	1.91E-08	2.49E-08	3.11E-09	8.88E-09	1.20E-08
3706	438409.54	3762462.98	3.78E-08	1.19E-07	1.57E-07	5.87E-09	1.94E-08	2.53E-08	3.16E-09	9.02E-09	1.22E-08
3707	438413.09	3762471.59	3.84E-08	1.21E-07	1.59E-07	5.97E-09	1.98E-08	2.57E-08	3.21E-09	9.16E-09	1.24E-08
3708	438416.65	3762480.19	3.90E-08	1.23E-07	1.62E-07	6.06E-09	2.01E-08	2.61E-08	3.27E-09	9.31E-09	1.26E-08
3709	438420.2	3762488.8	3.97E-08	1.25E-07	1.65E-07	6.16E-09	2.04E-08	2.66E-08	3.32E-09	9.46E-09	1.28E-08
3710	438423.75	3762497.4	4.03E-08	1.27E-07	1.67E-07	6.26E-09	2.07E-08	2.70E-08	3.37E-09	9.61E-09	1.30E-08
3711	438427.31	3762506.01	4.09E-08	1.29E-07	1.70E-07	6.36E-09	2.11E-08	2.74E-08	3.43E-09	9.77E-09	1.32E-08
3712	438430.86	3762514.61	4.16E-08	1.31E-07	1.72E-07	6.46E-09	2.14E-08	2.78E-08	3.48E-09	9.92E-09	1.34E-08
3713	438434.41	3762523.21	4.22E-08	1.33E-07	1.75E-07	6.56E-09	2.17E-08	2.83E-08	3.53E-09	1.01E-08	1.36E-08
3714	438437.97	3762531.82	4.29E-08	1.35E-07	1.78E-07	6.66E-09	2.21E-08	2.87E-08	3.59E-09	1.02E-08	1.38E-08
3715	438441.52	3762540.42	4.35E-08	1.37E-07	1.81E-07	6.76E-09	2.24E-08	2.91E-08	3.64E-09	1.04E-08	1.40E-08
3716	438445.07	3762549.03	4.42E-08	1.39E-07	1.83E-07	6.86E-09	2.27E-08	2.96E-08	3.70E-09	1.05E-08	1.42E-08
3717	438448.63	3762557.63	4.48E-08	1.41E-07	1.86E-07	6.96E-09	2.30E-08	3.00E-08	3.75E-09	1.07E-08	1.44E-08

3718	438452.18	3762566.24	4.54E-08	1.43E-07	1.89E-07	7.06E-09	2.34E-08	3.04E-08	3.80E-09	1.08E-08	1.46E-08
3719	438455.73	3762574.84	4.61E-08	1.45E-07	1.91E-07	7.16E-09	2.37E-08	3.09E-08	3.86E-09	1.10E-08	1.49E-08
3720	438459.29	3762583.45	4.67E-08	1.47E-07	1.94E-07	7.26E-09	2.40E-08	3.13E-08	3.91E-09	1.12E-08	1.51E-08
3721	438462.84	3762592.05	4.74E-08	1.49E-07	1.97E-07	7.36E-09	2.44E-08	3.17E-08	3.96E-09	1.13E-08	1.53E-08
3722	438466.39	3762600.65	4.80E-08	1.51E-07	1.99E-07	7.46E-09	2.47E-08	3.22E-08	4.02E-09	1.15E-08	1.55E-08
3723	438469.95	3762609.26	4.86E-08	1.53E-07	2.02E-07	7.56E-09	2.50E-08	3.26E-08	4.07E-09	1.16E-08	1.57E-08
3724	438473.5	3762617.86	4.93E-08	1.55E-07	2.04E-07	7.66E-09	2.54E-08	3.30E-08	4.12E-09	1.18E-08	1.59E-08
3725	438477.05	3762626.47	4.99E-08	1.57E-07	2.07E-07	7.76E-09	2.57E-08	3.34E-08	4.18E-09	1.19E-08	1.61E-08
3726	438480.61	3762635.07	5.05E-08	1.59E-07	2.10E-07	7.85E-09	2.60E-08	3.38E-08	4.23E-09	1.21E-08	1.63E-08
3727	438484.16	3762643.68	5.11E-08	1.61E-07	2.12E-07	7.95E-09	2.63E-08	3.43E-08	4.28E-09	1.22E-08	1.65E-08
3728	438487.71	3762652.28	5.17E-08	1.63E-07	2.15E-07	8.04E-09	2.66E-08	3.47E-08	4.33E-09	1.23E-08	1.67E-08
3729	438491.27	3762660.89	5.23E-08	1.65E-07	2.17E-07	8.13E-09	2.69E-08	3.50E-08	4.38E-09	1.25E-08	1.69E-08
3730	438494.82	3762669.49	5.29E-08	1.67E-07	2.19E-07	8.22E-09	2.72E-08	3.54E-08	4.43E-09	1.26E-08	1.71E-08
3731	438498.37	3762678.1	5.35E-08	1.68E-07	2.22E-07	8.31E-09	2.75E-08	3.58E-08	4.48E-09	1.28E-08	1.72E-08
3732	438501.93	3762686.7	5.40E-08	1.70E-07	2.24E-07	8.39E-09	2.78E-08	3.62E-08	4.52E-09	1.29E-08	1.74E-08
3733	438505.48	3762695.3	5.46E-08	1.72E-07	2.26E-07	8.48E-09	2.81E-08	3.65E-08	4.57E-09	1.30E-08	1.76E-08
3734	438509.03	3762703.91	5.51E-08	1.73E-07	2.29E-07	8.56E-09	2.83E-08	3.69E-08	4.61E-09	1.31E-08	1.78E-08
3735	438512.59	3762712.51	5.56E-08	1.75E-07	2.31E-07	8.64E-09	2.86E-08	3.72E-08	4.65E-09	1.33E-08	1.79E-08
3736	437737.29	3761794.85	1.30E-08	4.08E-08	5.38E-08	2.01E-09	6.67E-09	8.69E-09	1.09E-09	3.09E-09	4.18E-09
3737	437745.92	3761798.43	1.31E-08	4.13E-08	5.45E-08	2.04E-09	6.75E-09	8.79E-09	1.10E-09	3.13E-09	4.23E-09
3738	437754.55	3761802.01	1.33E-08	4.18E-08	5.51E-08	2.06E-09	6.83E-09	8.90E-09	1.11E-09	3.17E-09	4.28E-09
3739	437763.18	3761805.59	1.34E-08	4.23E-08	5.58E-08	2.09E-09	6.91E-09	9.00E-09	1.12E-09	3.21E-09	4.33E-09
3740	437771.81	3761809.16	1.36E-08	4.28E-08	5.64E-08	2.11E-09	6.99E-09	9.10E-09	1.14E-09	3.24E-09	4.38E-09
3741	437780.44	3761812.74	1.37E-08	4.33E-08	5.70E-08	2.14E-09	7.07E-09	9.20E-09	1.15E-09	3.28E-09	4.43E-09
3742	437789.07	3761816.32	1.39E-08	4.38E-08	5.77E-08	2.16E-09	7.15E-09	9.31E-09	1.16E-09	3.32E-09	4.48E-09
3743	437797.7	3761819.9	1.40E-08	4.42E-08	5.83E-08	2.18E-09	7.23E-09	9.41E-09	1.18E-09	3.35E-09	4.53E-09
3744	437806.33	3761823.48	1.42E-08	4.47E-08	5.89E-08	2.21E-09	7.30E-09	9.51E-09	1.19E-09	3.39E-09	4.58E-09
3745	437814.96	3761827.05	1.43E-08	4.52E-08	5.95E-08	2.23E-09	7.38E-09	9.61E-09	1.20E-09	3.42E-09	4.62E-09
3746	437823.59	3761830.63	1.45E-08	4.57E-08	6.01E-08	2.25E-09	7.46E-09	9.71E-09	1.21E-09	3.46E-09	4.67E-09
3747	437832.22	3761834.21	1.46E-08	4.61E-08	6.07E-08	2.27E-09	7.53E-09	9.80E-09	1.23E-09	3.49E-09	4.72E-09
3748	437840.85	3761837.79	1.48E-08	4.65E-08	6.13E-08	2.30E-09	7.60E-09	9.90E-09	1.24E-09	3.53E-09	4.76E-09
3749	437849.48	3761841.36	1.49E-08	4.69E-08	6.19E-08	2.32E-09	7.67E-09	9.99E-09	1.25E-09	3.56E-09	4.80E-09
3750	437858.11	3761844.94	1.50E-08	4.73E-08	6.23E-08	2.33E-09	7.73E-09	1.01E-08	1.26E-09	3.59E-09	4.84E-09
3751	437866.74	3761848.52	1.51E-08	4.77E-08	6.28E-08	2.35E-09	7.79E-09	1.01E-08	1.27E-09	3.61E-09	4.88E-09
3752	437875.37	3761852.1	1.53E-08	4.80E-08	6.33E-08	2.37E-09	7.85E-09	1.02E-08	1.28E-09	3.64E-09	4.92E-09
3753	437884	3761855.68	1.54E-08	4.84E-08	6.37E-08	2.39E-09	7.90E-09	1.03E-08	1.29E-09	3.67E-09	4.95E-09
3754	437892.63	3761859.25	1.55E-08	4.87E-08	6.42E-08	2.40E-09	7.95E-09	1.04E-08	1.29E-09	3.69E-09	4.98E-09
3755	437901.26	3761862.83	1.56E-08	4.90E-08	6.46E-08	2.42E-09	8.01E-09	1.04E-08	1.30E-09	3.71E-09	5.02E-09
3756	437909.89	3761866.41	1.57E-08	4.93E-08	6.50E-08	2.43E-09	8.06E-09	1.05E-08	1.31E-09	3.74E-09	5.05E-09
3757	437918.52	3761869.99	1.58E-08	4.97E-08	6.54E-08	2.45E-09	8.11E-09	1.06E-08	1.32E-09	3.76E-09	5.08E-09
3758	437927.15	3761873.56	1.59E-08	5.00E-08	6.58E-08	2.47E-09	8.16E-09	1.06E-08	1.33E-09	3.79E-09	5.11E-09
3759	437935.78	3761877.14	1.60E-08	5.03E-08	6.63E-08	2.48E-09	8.22E-09	1.07E-08	1.34E-09	3.81E-09	5.15E-09
3760	437944.41	3761880.72	1.61E-08	5.06E-08	6.67E-08	2.50E-09	8.27E-09	1.08E-08	1.34E-09	3.83E-09	5.18E-09
3761	437953.04	3761884.3	1.62E-08	5.09E-08	6.70E-08	2.51E-09	8.31E-09	1.08E-08	1.35E-09	3.86E-09	5.21E-09
3762	437961.67	3761887.88	1.63E-08	5.12E-08	6.74E-08	2.52E-09	8.36E-09	1.09E-08	1.36E-09	3.88E-09	5.24E-09
3763	437970.3	3761891.45	1.63E-08	5.15E-08	6.78E-08	2.54E-09	8.41E-09	1.09E-08	1.37E-09	3.90E-09	5.27E-09
3764	437978.93	3761895.03	1.64E-08	5.17E-08	6.82E-08	2.55E-09	8.45E-09	1.10E-08	1.38E-09	3.92E-09	5.30E-09
3765	438047.97	3761923.65	1.71E-08	5.39E-08	7.10E-08	2.66E-09	8.81E-09	1.15E-08	1.43E-09	4.09E-09	5.52E-09
3766	438056.6	3761927.23	1.72E-08	5.42E-08	7.14E-08	2.67E-09	8.85E-09	1.15E-08	1.44E-09	4.10E-09	5.54E-09
3767	438065.23	3761930.81	1.73E-08	5.44E-08	7.17E-08	2.68E-09	8.89E-09	1.16E-08	1.45E-09	4.12E-09	5.57E-09
3768	438073.87	3761934.39	1.73E-08	5.46E-08	7.20E-08	2.70E-09	8.93E-09	1.16E-08	1.45E-09	4.14E-09	5.59E-09
3769	438082.5	3761937.96	1.74E-08	5.49E-08	7.23E-08	2.71E-09	8.96E-09	1.17E-08	1.46E-09	4.16E-09	5.61E-09
3770	438091.13	3761941.54	1.75E-08	5.51E-08	7.26E-08	2.72E-09	9.00E-09	1.17E-08	1.46E-09	4.17E-09	5.64E-09
3771	438099.76	3761945.12	1.76E-08	5.53E-08	7.28E-08	2.73E-09	9.03E-09	1.18E-08	1.47E-09	4.19E-09	5.66E-09
3772	438108.39	3761948.7	1.76E-08	5.55E-08	7.31E-08	2.74E-09	9.06E-09	1.18E-08	1.47E-09	4.20E-09	5.68E-09
3773	438117.02	3761952.27	1.77E-08	5.57E-08	7.34E-08	2.75E-09	9.10E-09	1.18E-08	1.48E-09	4.22E-09	5.70E-09
3774	438125.65	3761955.85	1.77E-08	5.58E-08	7.36E-08	2.76E-09	9.12E-09	1.19E-08	1.48E-09	4.23E-09	5.72E-09
3775	438134.28	3761959.43	1.78E-08	5.60E-08	7.38E-08	2.76E-09	9.15E-09	1.19E-08	1.49E-09	4.24E-09	5.73E-09
3776	438142.91	3761963.01	1.78E-08	5.62E-08	7.40E-08	2.77E-09	9.18E-09	1.19E-08	1.49E-09	4.26E-09	5.75E-09
3777	438151.54	3761966.59	1.79E-08	5.63E-08	7.42E-08	2.78E-09	9.20E-09	1.20E-08	1.50E-09	4.27E-09	5.77E-09
3778	438160.17	3761970.16	1.79E-08	5.65E-08	7.44E-08	2.79E-09	9.23E-09	1.20E-08	1.50E-09	4.28E-09	5.78E-09

3779	438168.8	3761973.74	1.80E-08	5.67E-08	7.47E-08	2.80E-09	9.26E-09	1.21E-08	1.51E-09	4.29E-09	5.80E-09
3780	438177.43	3761977.32	1.80E-08	5.68E-08	7.49E-08	2.80E-09	9.28E-09	1.21E-08	1.51E-09	4.31E-09	5.82E-09
3781	438186.06	3761980.9	1.81E-08	5.70E-08	7.50E-08	2.81E-09	9.31E-09	1.21E-08	1.51E-09	4.32E-09	5.83E-09
3782	438194.69	3761984.47	1.81E-08	5.71E-08	7.52E-08	2.82E-09	9.33E-09	1.21E-08	1.52E-09	4.33E-09	5.84E-09
3783	438203.32	3761988.05	1.82E-08	5.72E-08	7.54E-08	2.82E-09	9.35E-09	1.22E-08	1.52E-09	4.34E-09	5.86E-09
3784	438211.95	3761991.63	1.82E-08	5.73E-08	7.55E-08	2.83E-09	9.36E-09	1.22E-08	1.52E-09	4.34E-09	5.87E-09
3785	438220.58	3761995.21	1.82E-08	5.74E-08	7.57E-08	2.83E-09	9.38E-09	1.22E-08	1.53E-09	4.35E-09	5.88E-09
3786	438229.21	3761998.79	1.83E-08	5.75E-08	7.58E-08	2.84E-09	9.39E-09	1.22E-08	1.53E-09	4.36E-09	5.89E-09
3787	438237.84	3762002.36	1.83E-08	5.76E-08	7.59E-08	2.84E-09	9.41E-09	1.22E-08	1.53E-09	4.36E-09	5.89E-09
3788	438246.47	3762005.94	1.83E-08	5.77E-08	7.60E-08	2.84E-09	9.42E-09	1.23E-08	1.53E-09	4.37E-09	5.90E-09
3789	438255.1	3762009.52	1.83E-08	5.77E-08	7.60E-08	2.85E-09	9.43E-09	1.23E-08	1.53E-09	4.37E-09	5.91E-09
3790	438267.3	3762021.73	1.86E-08	5.84E-08	7.70E-08	2.88E-09	9.55E-09	1.24E-08	1.55E-09	4.43E-09	5.98E-09
3791	438270.86	3762030.37	1.88E-08	5.91E-08	7.79E-08	2.92E-09	9.66E-09	1.26E-08	1.57E-09	4.48E-09	6.05E-09
3792	438274.43	3762039	1.90E-08	5.98E-08	7.88E-08	2.95E-09	9.77E-09	1.27E-08	1.59E-09	4.53E-09	6.12E-09
3793	438302.96	3762108.08	2.08E-08	6.56E-08	8.64E-08	3.24E-09	1.07E-08	1.40E-08	1.74E-09	4.97E-09	6.71E-09
3794	438306.52	3762116.72	2.11E-08	6.64E-08	8.74E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.03E-09	6.79E-09
3795	438310.09	3762125.35	2.13E-08	6.71E-08	8.84E-08	3.31E-09	1.10E-08	1.43E-08	1.78E-09	5.09E-09	6.87E-09
3796	438313.65	3762133.99	2.16E-08	6.79E-08	8.95E-08	3.35E-09	1.11E-08	1.44E-08	1.81E-09	5.15E-09	6.95E-09
3797	438317.22	3762142.62	2.18E-08	6.87E-08	9.05E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.21E-09	7.03E-09
3798	438320.79	3762151.26	2.21E-08	6.95E-08	9.16E-08	3.43E-09	1.14E-08	1.48E-08	1.85E-09	5.27E-09	7.11E-09
3799	438324.35	3762159.89	2.23E-08	7.03E-08	9.26E-08	3.47E-09	1.15E-08	1.49E-08	1.87E-09	5.33E-09	7.19E-09
3800	438327.92	3762168.53	2.26E-08	7.11E-08	9.36E-08	3.51E-09	1.16E-08	1.51E-08	1.89E-09	5.39E-09	7.27E-09
3801	438331.48	3762177.16	2.28E-08	7.19E-08	9.47E-08	3.55E-09	1.17E-08	1.53E-08	1.91E-09	5.45E-09	7.36E-09
3802	438335.05	3762185.8	2.31E-08	7.27E-08	9.58E-08	3.59E-09	1.19E-08	1.55E-08	1.93E-09	5.51E-09	7.44E-09
3803	438338.62	3762194.43	2.34E-08	7.35E-08	9.69E-08	3.63E-09	1.20E-08	1.56E-08	1.95E-09	5.57E-09	7.53E-09
3804	438342.18	3762203.07	2.36E-08	7.44E-08	9.80E-08	3.67E-09	1.22E-08	1.58E-08	1.98E-09	5.64E-09	7.62E-09
3805	438345.75	3762211.7	2.39E-08	7.53E-08	9.92E-08	3.71E-09	1.23E-08	1.60E-08	2.00E-09	5.70E-09	7.70E-09
3806	438349.31	3762220.34	2.42E-08	7.62E-08	1.00E-07	3.76E-09	1.24E-08	1.62E-08	2.02E-09	5.77E-09	7.79E-09
3807	438352.88	3762228.97	2.45E-08	7.71E-08	1.02E-07	3.80E-09	1.26E-08	1.64E-08	2.05E-09	5.84E-09	7.89E-09
3808	438388.54	3762315.33	2.78E-08	8.75E-08	1.15E-07	4.32E-09	1.43E-08	1.86E-08	2.33E-09	6.63E-09	8.96E-09
3809	438392.1	3762323.96	2.82E-08	8.88E-08	1.17E-07	4.38E-09	1.45E-08	1.89E-08	2.36E-09	6.73E-09	9.09E-09
3810	438395.67	3762332.6	2.86E-08	9.00E-08	1.19E-07	4.44E-09	1.47E-08	1.91E-08	2.39E-09	6.82E-09	9.21E-09
3811	438399.24	3762341.23	2.90E-08	9.13E-08	1.20E-07	4.51E-09	1.49E-08	1.94E-08	2.43E-09	6.92E-09	9.35E-09
3812	438402.8	3762349.87	2.94E-08	9.26E-08	1.22E-07	4.57E-09	1.51E-08	1.97E-08	2.46E-09	7.02E-09	9.48E-09
3813	438406.37	3762358.5	2.99E-08	9.40E-08	1.24E-07	4.64E-09	1.54E-08	2.00E-08	2.50E-09	7.12E-09	9.62E-09
3814	438409.93	3762367.14	3.03E-08	9.54E-08	1.26E-07	4.71E-09	1.56E-08	2.03E-08	2.54E-09	7.23E-09	9.76E-09
3815	438413.5	3762375.77	3.07E-08	9.68E-08	1.28E-07	4.78E-09	1.58E-08	2.06E-08	2.57E-09	7.34E-09	9.91E-09
3816	438417.07	3762384.41	3.12E-08	9.83E-08	1.29E-07	4.85E-09	1.61E-08	2.09E-08	2.61E-09	7.45E-09	1.01E-08
3817	438420.63	3762393.04	3.17E-08	9.98E-08	1.31E-07	4.92E-09	1.63E-08	2.12E-08	2.65E-09	7.56E-09	1.02E-08
3818	438424.2	3762401.68	3.22E-08	1.01E-07	1.33E-07	5.00E-09	1.65E-08	2.15E-08	2.69E-09	7.68E-09	1.04E-08
3819	438427.76	3762410.31	3.27E-08	1.03E-07	1.36E-07	5.07E-09	1.68E-08	2.19E-08	2.73E-09	7.79E-09	1.05E-08
3820	438431.33	3762418.95	3.32E-08	1.04E-07	1.38E-07	5.15E-09	1.71E-08	2.22E-08	2.78E-09	7.91E-09	1.07E-08
3821	438434.9	3762427.58	3.37E-08	1.06E-07	1.40E-07	5.23E-09	1.73E-08	2.26E-08	2.82E-09	8.04E-09	1.09E-08
3822	438438.46	3762436.22	3.42E-08	1.08E-07	1.42E-07	5.31E-09	1.76E-08	2.29E-08	2.86E-09	8.16E-09	1.10E-08
3823	438442.03	3762444.85	3.47E-08	1.09E-07	1.44E-07	5.40E-09	1.79E-08	2.33E-08	2.91E-09	8.29E-09	1.12E-08
3824	438445.59	3762453.49	3.53E-08	1.11E-07	1.46E-07	5.48E-09	1.81E-08	2.36E-08	2.95E-09	8.42E-09	1.14E-08
3825	438449.16	3762462.12	3.58E-08	1.13E-07	1.49E-07	5.57E-09	1.84E-08	2.40E-08	3.00E-09	8.55E-09	1.15E-08
3826	438452.73	3762470.76	3.64E-08	1.15E-07	1.51E-07	5.65E-09	1.87E-08	2.44E-08	3.05E-09	8.68E-09	1.17E-08
3827	438456.29	3762479.39	3.69E-08	1.16E-07	1.53E-07	5.74E-09	1.90E-08	2.47E-08	3.09E-09	8.81E-09	1.19E-08
3828	438459.86	3762488.03	3.75E-08	1.18E-07	1.56E-07	5.83E-09	1.93E-08	2.51E-08	3.14E-09	8.95E-09	1.21E-08
3829	438463.42	3762496.66	3.81E-08	1.20E-07	1.58E-07	5.92E-09	1.96E-08	2.55E-08	3.19E-09	9.09E-09	1.23E-08
3830	438466.99	3762505.3	3.87E-08	1.22E-07	1.60E-07	6.01E-09	1.99E-08	2.59E-08	3.24E-09	9.22E-09	1.25E-08
3831	438470.56	3762513.93	3.92E-08	1.24E-07	1.63E-07	6.10E-09	2.02E-08	2.63E-08	3.28E-09	9.36E-09	1.26E-08
3832	438474.12	3762522.57	3.98E-08	1.25E-07	1.65E-07	6.19E-09	2.05E-08	2.67E-08	3.33E-09	9.50E-09	1.28E-08
3833	438477.69	3762531.2	4.04E-08	1.27E-07	1.68E-07	6.28E-09	2.08E-08	2.71E-08	3.38E-09	9.64E-09	1.30E-08
3834	438481.25	3762539.84	4.10E-08	1.29E-07	1.70E-07	6.37E-09	2.11E-08	2.74E-08	3.43E-09	9.78E-09	1.32E-08
3835	438484.82	3762548.47	4.15E-08	1.31E-07	1.72E-07	6.46E-09	2.14E-08	2.78E-08	3.48E-09	9.91E-09	1.34E-08
3836	438488.39	3762557.11	4.21E-08	1.33E-07	1.75E-07	6.55E-09	2.17E-08	2.82E-08	3.53E-09	1.01E-08	1.36E-08
3837	438491.95	3762565.74	4.27E-08	1.35E-07	1.77E-07	6.64E-09	2.20E-08	2.86E-08	3.57E-09	1.02E-08	1.38E-08
3838	438495.52	3762574.38	4.33E-08	1.36E-07	1.80E-07	6.72E-09	2.23E-08	2.90E-08	3.62E-09	1.03E-08	1.40E-08
3839	438499.08	3762583.01	4.39E-08	1.38E-07	1.82E-07	6.81E-09	2.26E-08	2.94E-08	3.67E-09	1.05E-08	1.41E-08

3840	438502.65	3762591.65	4.44E-08	1.40E-07	1.84E-07	6.90E-09	2.29E-08	2.98E-08	3.72E-09	1.06E-08	1.43E-08
3841	438506.22	3762600.28	4.50E-08	1.42E-07	1.87E-07	6.99E-09	2.31E-08	3.01E-08	3.77E-09	1.07E-08	1.45E-08
3842	438509.78	3762608.92	4.56E-08	1.43E-07	1.89E-07	7.08E-09	2.34E-08	3.05E-08	3.81E-09	1.09E-08	1.47E-08
3843	438513.35	3762617.55	4.61E-08	1.45E-07	1.91E-07	7.17E-09	2.37E-08	3.09E-08	3.86E-09	1.10E-08	1.49E-08
3844	438516.91	3762626.19	4.67E-08	1.47E-07	1.94E-07	7.25E-09	2.40E-08	3.13E-08	3.91E-09	1.11E-08	1.50E-08
3845	438520.48	3762634.83	4.72E-08	1.49E-07	1.96E-07	7.34E-09	2.43E-08	3.16E-08	3.95E-09	1.13E-08	1.52E-08
3846	438524.05	3762643.46	4.78E-08	1.50E-07	1.98E-07	7.42E-09	2.46E-08	3.20E-08	4.00E-09	1.14E-08	1.54E-08
3847	438527.61	3762652.1	4.83E-08	1.52E-07	2.00E-07	7.51E-09	2.49E-08	3.24E-08	4.04E-09	1.15E-08	1.56E-08
3848	438531.18	3762660.73	4.88E-08	1.54E-07	2.03E-07	7.59E-09	2.51E-08	3.27E-08	4.09E-09	1.17E-08	1.57E-08
3849	438534.74	3762669.37	4.94E-08	1.55E-07	2.05E-07	7.67E-09	2.54E-08	3.31E-08	4.13E-09	1.18E-08	1.59E-08
3850	438538.31	3762678	4.99E-08	1.57E-07	2.07E-07	7.75E-09	2.57E-08	3.34E-08	4.17E-09	1.19E-08	1.61E-08
3851	438541.88	3762686.64	5.04E-08	1.59E-07	2.09E-07	7.82E-09	2.59E-08	3.37E-08	4.21E-09	1.20E-08	1.62E-08
3852	438545.44	3762695.27	5.08E-08	1.60E-07	2.11E-07	7.90E-09	2.62E-08	3.41E-08	4.26E-09	1.21E-08	1.64E-08
3853	438549.01	3762703.91	5.13E-08	1.62E-07	2.13E-07	7.97E-09	2.64E-08	3.44E-08	4.29E-09	1.22E-08	1.65E-08
3854	438552.57	3762712.54	5.18E-08	1.63E-07	2.15E-07	8.04E-09	2.66E-08	3.47E-08	4.33E-09	1.24E-08	1.67E-08
3855	437683.45	3762710.71	1.03E-06	3.24E-06	4.27E-06	1.60E-07	5.29E-07	6.89E-07	8.61E-08	2.46E-07	3.32E-07
3856	437703.45	3762710.71	8.88E-07	2.80E-06	3.68E-06	1.38E-07	4.57E-07	5.95E-07	7.43E-08	2.12E-07	2.86E-07
3857	437723.45	3762710.71	7.73E-07	2.43E-06	3.21E-06	1.20E-07	3.98E-07	5.18E-07	6.47E-08	1.84E-07	2.49E-07
3858	437743.45	3762710.71	6.78E-07	2.14E-06	2.82E-06	1.05E-07	3.49E-07	4.54E-07	5.68E-08	1.62E-07	2.19E-07
3859	437803.45	3762710.71	4.79E-07	1.51E-06	1.99E-06	7.45E-08	2.47E-07	3.21E-07	4.01E-08	1.14E-07	1.54E-07
3860	437803.45	3762674.65	3.76E-07	1.18E-06	1.56E-06	5.84E-08	1.93E-07	2.52E-07	3.15E-08	8.97E-08	1.21E-07
3861	437863.45	3762710.71	3.56E-07	1.12E-06	1.48E-06	5.52E-08	1.83E-07	2.38E-07	2.98E-08	8.48E-08	1.15E-07
3862	437863.45	3762701.7	3.38E-07	1.07E-06	1.40E-06	5.26E-08	1.74E-07	2.27E-07	2.83E-08	8.07E-08	1.09E-07
3863	437863.45	3762692.68	3.21E-07	1.01E-06	1.33E-06	4.99E-08	1.65E-07	2.15E-07	2.69E-08	7.67E-08	1.04E-07
3864	437893.45	3762710.71	3.11E-07	9.79E-07	1.29E-06	4.83E-08	1.60E-07	2.08E-07	2.60E-08	7.42E-08	1.00E-07
3865	437893.45	3762701.7	2.97E-07	9.35E-07	1.23E-06	4.61E-08	1.53E-07	1.99E-07	2.48E-08	7.08E-08	9.57E-08
3866	437893.45	3762692.68	2.83E-07	8.92E-07	1.17E-06	4.40E-08	1.46E-07	1.90E-07	2.37E-08	6.76E-08	9.12E-08
3867	437923.45	3762710.71	2.74E-07	8.62E-07	1.14E-06	4.25E-08	1.41E-07	1.83E-07	2.29E-08	6.53E-08	8.82E-08
3868	437923.45	3762701.7	2.62E-07	8.26E-07	1.09E-06	4.08E-08	1.35E-07	1.76E-07	2.20E-08	6.26E-08	8.45E-08
3869	437923.45	3762692.68	2.51E-07	7.91E-07	1.04E-06	3.90E-08	1.29E-07	1.68E-07	2.10E-08	5.99E-08	8.09E-08
3870	438013.45	3762710.71	1.95E-07	6.13E-07	8.08E-07	3.02E-08	1.00E-07	1.30E-07	1.63E-08	4.65E-08	6.27E-08
3871	438013.45	3762701.7	1.88E-07	5.92E-07	7.80E-07	2.92E-08	9.67E-08	1.26E-07	1.57E-08	4.49E-08	6.06E-08
3872	438013.45	3762692.68	1.81E-07	5.71E-07	7.53E-07	2.82E-08	9.33E-08	1.22E-07	1.52E-08	4.33E-08	5.85E-08
3873	438043.45	3762710.71	1.76E-07	5.53E-07	7.29E-07	2.73E-08	9.04E-08	1.18E-07	1.47E-08	4.19E-08	5.66E-08
3874	438043.45	3762701.7	1.70E-07	5.35E-07	7.06E-07	2.64E-08	8.75E-08	1.14E-07	1.42E-08	4.06E-08	5.48E-08
3875	438043.45	3762692.68	1.64E-07	5.18E-07	6.82E-07	2.55E-08	8.46E-08	1.10E-07	1.38E-08	3.92E-08	5.30E-08
3876	438083.45	3762719.73	1.59E-07	5.01E-07	6.60E-07	2.47E-08	8.19E-08	1.07E-07	1.33E-08	3.80E-08	5.13E-08
3877	438083.45	3762710.71	1.54E-07	4.86E-07	6.41E-07	2.40E-08	7.95E-08	1.03E-07	1.29E-08	3.69E-08	4.98E-08
3878	438123.45	3762683.67	1.25E-07	3.94E-07	5.20E-07	1.95E-08	6.44E-08	8.39E-08	1.05E-08	2.99E-08	4.04E-08
3879	438123.45	3762674.65	1.22E-07	3.83E-07	5.04E-07	1.89E-08	6.25E-08	8.14E-08	1.02E-08	2.90E-08	3.92E-08
3880	438163.45	3762710.71	1.22E-07	3.83E-07	5.05E-07	1.89E-08	6.26E-08	8.15E-08	1.02E-08	2.90E-08	3.92E-08
3881	438163.45	3762701.7	1.19E-07	3.73E-07	4.92E-07	1.84E-08	6.10E-08	7.94E-08	9.92E-09	2.83E-08	3.82E-08
3882	438163.45	3762692.68	1.15E-07	3.64E-07	4.79E-07	1.79E-08	5.94E-08	7.73E-08	9.66E-09	2.75E-08	3.72E-08
3883	438163.45	3762683.67	1.12E-07	3.54E-07	4.66E-07	1.75E-08	5.78E-08	7.52E-08	9.40E-09	2.68E-08	3.62E-08
3884	438163.45	3762674.65	1.09E-07	3.44E-07	4.53E-07	1.70E-08	5.62E-08	7.32E-08	9.14E-09	2.61E-08	3.52E-08
3885	438203.45	3762710.71	1.09E-07	3.44E-07	4.53E-07	1.70E-08	5.61E-08	7.31E-08	9.13E-09	2.60E-08	3.52E-08
3886	438203.45	3762701.7	1.06E-07	3.35E-07	4.42E-07	1.65E-08	5.48E-08	7.13E-08	8.91E-09	2.54E-08	3.43E-08
3887	438203.45	3762692.68	1.04E-07	3.27E-07	4.31E-07	1.61E-08	5.34E-08	6.96E-08	8.69E-09	2.48E-08	3.35E-08
3888	438203.45	3762683.67	1.01E-07	3.19E-07	4.20E-07	1.57E-08	5.21E-08	6.78E-08	8.47E-09	2.42E-08	3.26E-08
3889	438203.45	3762674.65	9.86E-08	3.11E-07	4.09E-07	1.53E-08	5.07E-08	6.61E-08	8.25E-09	2.35E-08	3.18E-08
3890	438243.45	3762710.71	9.81E-08	3.09E-07	4.07E-07	1.52E-08	5.05E-08	6.57E-08	8.21E-09	2.34E-08	3.16E-08
3891	438243.45	3762701.7	9.62E-08	3.03E-07	3.99E-07	1.49E-08	4.95E-08	6.44E-08	8.05E-09	2.30E-08	3.10E-08
3892	438243.45	3762692.68	9.39E-08	2.96E-07	3.90E-07	1.46E-08	4.83E-08	6.29E-08	7.86E-09	2.24E-08	3.03E-08
3893	438243.45	3762683.67	9.17E-08	2.89E-07	3.80E-07	1.42E-08	4.72E-08	6.14E-08	7.67E-09	2.19E-08	2.95E-08
3894	438243.45	3762674.65	8.95E-08	2.82E-07	3.71E-07	1.39E-08	4.60E-08	5.99E-08	7.49E-09	2.13E-08	2.88E-08
3895	438283.45	3762710.71	8.93E-08	2.81E-07	3.71E-07	1.39E-08	4.60E-08	5.98E-08	7.48E-09	2.13E-08	2.88E-08
3896	438283.45	3762701.7	8.74E-08	2.75E-07	3.62E-07	1.36E-08	4.49E-08	5.85E-08	7.31E-09	2.08E-08	2.82E-08
3897	438283.45	3762692.68	8.54E-08	2.69E-07	3.54E-07	1.33E-08	4.39E-08	5.72E-08	7.15E-09	2.04E-08	2.75E-08
3898	438283.45	3762683.67	8.35E-08	2.63E-07	3.46E-07	1.30E-08	4.30E-08	5.59E-08	6.99E-09	1.99E-08	2.69E-08
3899	438283.45	3762674.65	8.16E-08	2.57E-07	3.39E-07	1.27E-08	4.20E-08	5.47E-08	6.83E-09	1.95E-08	2.63E-08
3900	438323.45	3762710.71	8.14E-08	2.56E-07	3.38E-07	1.26E-08	4.19E-08	5.45E-08	6.81E-09	1.94E-08	2.62E-08

3901	438323.45	3762701.7	7.97E-08	2.51E-07	3.31E-07	1.24E-08	4.10E-08	5.34E-08	6.67E-09	1.90E-08	2.57E-08
3902	438323.45	3762692.68	7.80E-08	2.46E-07	3.24E-07	1.21E-08	4.01E-08	5.23E-08	6.53E-09	1.86E-08	2.51E-08
3903	438323.45	3762683.67	7.64E-08	2.41E-07	3.17E-07	1.19E-08	3.93E-08	5.12E-08	6.39E-09	1.82E-08	2.46E-08
3904	438323.45	3762674.65	7.47E-08	2.35E-07	3.10E-07	1.16E-08	3.85E-08	5.01E-08	6.26E-09	1.78E-08	2.41E-08
3905	438403.45	3762710.71	6.85E-08	2.16E-07	2.84E-07	1.06E-08	3.53E-08	4.59E-08	5.74E-09	1.64E-08	2.21E-08
3906	438403.45	3762701.7	6.72E-08	2.12E-07	2.79E-07	1.04E-08	3.46E-08	4.50E-08	5.63E-09	1.60E-08	2.17E-08
3907	438403.45	3762692.68	6.60E-08	2.08E-07	2.74E-07	1.02E-08	3.39E-08	4.42E-08	5.52E-09	1.57E-08	2.13E-08
3908	438403.45	3762683.67	6.47E-08	2.04E-07	2.68E-07	1.01E-08	3.33E-08	4.33E-08	5.41E-09	1.54E-08	2.09E-08
3909	438403.45	3762674.65	6.34E-08	2.00E-07	2.63E-07	9.86E-09	3.26E-08	4.25E-08	5.31E-09	1.51E-08	2.04E-08
3910	438443.45	3762710.71	6.32E-08	1.99E-07	2.62E-07	9.82E-09	3.25E-08	4.23E-08	5.29E-09	1.51E-08	2.04E-08
3911	438443.45	3762701.7	6.21E-08	1.96E-07	2.58E-07	9.65E-09	3.19E-08	4.16E-08	5.20E-09	1.48E-08	2.00E-08
3912	438443.45	3762692.68	6.10E-08	1.92E-07	2.53E-07	9.47E-09	3.14E-08	4.08E-08	5.10E-09	1.46E-08	1.97E-08
3913	438443.45	3762683.67	5.99E-08	1.88E-07	2.48E-07	9.30E-09	3.08E-08	4.01E-08	5.01E-09	1.43E-08	1.93E-08
3914	438443.45	3762674.65	5.87E-08	1.85E-07	2.44E-07	9.13E-09	3.02E-08	3.93E-08	4.92E-09	1.40E-08	1.89E-08
3915	437433.52	3762664.69	1.05E-06	3.32E-06	4.37E-06	1.64E-07	5.42E-07	7.06E-07	8.82E-08	2.52E-07	3.40E-07
3916	437423.62	3762664.73	1.00E-06	3.16E-06	4.16E-06	1.56E-07	5.16E-07	6.72E-07	8.40E-08	2.39E-07	3.23E-07
3917	437413.73	3762664.76	9.49E-07	2.99E-06	3.94E-06	1.47E-07	4.88E-07	6.36E-07	7.94E-08	2.26E-07	3.06E-07
3918	437403.84	3762664.8	8.92E-07	2.81E-06	3.70E-06	1.39E-07	4.59E-07	5.98E-07	7.47E-08	2.13E-07	2.88E-07
3919	437393.94	3762664.84	8.36E-07	2.63E-06	3.47E-06	1.30E-07	4.30E-07	5.60E-07	6.99E-08	1.99E-07	2.69E-07
3920	437433.48	3762654.69	8.69E-07	2.74E-06	3.61E-06	1.35E-07	4.47E-07	5.82E-07	7.27E-08	2.07E-07	2.80E-07
3921	437423.59	3762654.73	8.31E-07	2.62E-06	3.45E-06	1.29E-07	4.27E-07	5.56E-07	6.95E-08	1.98E-07	2.68E-07
3922	437413.69	3762654.76	7.89E-07	2.49E-06	3.28E-06	1.23E-07	4.06E-07	5.29E-07	6.61E-08	1.88E-07	2.54E-07
3923	437403.8	3762654.8	7.47E-07	2.35E-06	3.10E-06	1.16E-07	3.84E-07	5.00E-07	6.25E-08	1.78E-07	2.41E-07
3924	437393.9	3762654.84	7.03E-07	2.22E-06	2.92E-06	1.09E-07	3.62E-07	4.71E-07	5.89E-08	1.68E-07	2.27E-07
3925	437433.44	3762644.69	7.28E-07	2.29E-06	3.02E-06	1.13E-07	3.74E-07	4.88E-07	6.09E-08	1.74E-07	2.35E-07
3926	437423.55	3762644.73	6.98E-07	2.20E-06	2.90E-06	1.08E-07	3.59E-07	4.68E-07	5.84E-08	1.67E-07	2.25E-07
3927	437413.65	3762644.76	6.67E-07	2.10E-06	2.77E-06	1.04E-07	3.43E-07	4.46E-07	5.58E-08	1.59E-07	2.15E-07
3928	437403.76	3762644.8	6.34E-07	2.00E-06	2.63E-06	9.85E-08	3.26E-07	4.25E-07	5.30E-08	1.51E-07	2.04E-07
3929	437393.86	3762644.84	6.00E-07	1.89E-06	2.49E-06	9.33E-08	3.09E-07	4.02E-07	5.03E-08	1.43E-07	1.94E-07
3930	437433.4	3762634.69	6.17E-07	1.94E-06	2.56E-06	9.59E-08	3.18E-07	4.14E-07	5.17E-08	1.47E-07	1.99E-07
3931	437423.51	3762634.73	5.94E-07	1.87E-06	2.47E-06	9.23E-08	3.06E-07	3.98E-07	4.97E-08	1.42E-07	1.92E-07
3932	437413.61	3762634.76	5.69E-07	1.79E-06	2.36E-06	8.85E-08	2.93E-07	3.81E-07	4.77E-08	1.36E-07	1.84E-07
3933	437403.72	3762634.8	5.44E-07	1.71E-06	2.26E-06	8.45E-08	2.80E-07	3.64E-07	4.55E-08	1.30E-07	1.75E-07
3934	437393.83	3762634.84	5.18E-07	1.63E-06	2.15E-06	8.05E-08	2.67E-07	3.47E-07	4.34E-08	1.24E-07	1.67E-07
3935	437433.36	3762624.69	5.30E-07	1.67E-06	2.20E-06	8.23E-08	2.73E-07	3.55E-07	4.43E-08	1.26E-07	1.71E-07
3936	437423.47	3762624.73	5.11E-07	1.61E-06	2.12E-06	7.94E-08	2.63E-07	3.42E-07	4.28E-08	1.22E-07	1.65E-07
3937	437413.58	3762624.76	4.92E-07	1.55E-06	2.04E-06	7.64E-08	2.53E-07	3.29E-07	4.12E-08	1.17E-07	1.59E-07
3938	437403.68	3762624.8	4.72E-07	1.49E-06	1.96E-06	7.33E-08	2.43E-07	3.16E-07	3.95E-08	1.13E-07	1.52E-07
3939	437393.79	3762624.84	4.51E-07	1.42E-06	1.87E-06	7.01E-08	2.32E-07	3.02E-07	3.78E-08	1.08E-07	1.45E-07
3940	437433.33	3762614.69	4.59E-07	1.45E-06	1.91E-06	7.14E-08	2.36E-07	3.08E-07	3.85E-08	1.10E-07	1.48E-07
3941	437423.43	3762614.73	4.45E-07	1.40E-06	1.84E-06	6.91E-08	2.29E-07	2.98E-07	3.72E-08	1.06E-07	1.43E-07
3942	437413.54	3762614.76	4.29E-07	1.35E-06	1.78E-06	6.66E-08	2.21E-07	2.87E-07	3.59E-08	1.02E-07	1.38E-07
3943	437403.64	3762614.8	4.13E-07	1.30E-06	1.71E-06	6.42E-08	2.12E-07	2.77E-07	3.46E-08	9.85E-08	1.33E-07
3944	437393.75	3762614.84	3.97E-07	1.25E-06	1.65E-06	6.16E-08	2.04E-07	2.66E-07	3.32E-08	9.47E-08	1.28E-07
3945	437433.29	3762604.69	4.02E-07	1.27E-06	1.67E-06	6.25E-08	2.07E-07	2.69E-07	3.37E-08	9.60E-08	1.30E-07
3946	437423.39	3762604.73	3.90E-07	1.23E-06	1.62E-06	6.06E-08	2.01E-07	2.61E-07	3.26E-08	9.31E-08	1.26E-07
3947	437413.5	3762604.76	3.77E-07	1.19E-06	1.57E-06	5.86E-08	1.94E-07	2.53E-07	3.16E-08	9.01E-08	1.22E-07
3948	437403.61	3762604.8	3.64E-07	1.15E-06	1.51E-06	5.66E-08	1.87E-07	2.44E-07	3.05E-08	8.70E-08	1.17E-07
3949	437393.71	3762604.84	3.51E-07	1.11E-06	1.46E-06	5.46E-08	1.81E-07	2.35E-07	2.94E-08	8.38E-08	1.13E-07
3950	437475.58	3762607.98	4.66E-07	1.47E-06	1.93E-06	7.24E-08	2.40E-07	3.12E-07	3.90E-08	1.11E-07	1.50E-07
3951	437433.25	3762594.69	3.55E-07	1.12E-06	1.47E-06	5.51E-08	1.83E-07	2.38E-07	2.97E-08	8.47E-08	1.14E-07
3952	437423.35	3762594.73	3.45E-07	1.09E-06	1.43E-06	5.36E-08	1.77E-07	2.31E-07	2.89E-08	8.23E-08	1.11E-07
3953	437413.46	3762594.76	3.34E-07	1.05E-06	1.39E-06	5.20E-08	1.72E-07	2.24E-07	2.80E-08	7.98E-08	1.08E-07
3954	437403.57	3762594.8	3.24E-07	1.02E-06	1.34E-06	5.03E-08	1.67E-07	2.17E-07	2.71E-08	7.73E-08	1.04E-07
3955	437393.67	3762594.84	3.13E-07	9.86E-07	1.30E-06	4.86E-08	1.61E-07	2.10E-07	2.62E-08	7.47E-08	1.01E-07
3956	437433.21	3762584.69	3.15E-07	9.92E-07	1.31E-06	4.89E-08	1.62E-07	2.11E-07	2.64E-08	7.52E-08	1.02E-07
3957	437423.32	3762584.73	3.07E-07	9.66E-07	1.27E-06	4.77E-08	1.58E-07	2.05E-07	2.57E-08	7.32E-08	9.89E-08
3958	437413.42	3762584.76	2.98E-07	9.39E-07	1.24E-06	4.63E-08	1.53E-07	2.00E-07	2.50E-08	7.11E-08	9.61E-08
3959	437403.53	3762584.8	2.89E-07	9.11E-07	1.20E-06	4.50E-08	1.49E-07	1.94E-07	2.42E-08	6.91E-08	9.33E-08
3960	437393.63	3762584.84	2.81E-07	8.84E-07	1.16E-06	4.36E-08	1.44E-07	1.88E-07	2.35E-08	6.70E-08	9.04E-08
3961	437478.55	3762589.23	3.67E-07	1.16E-06	1.52E-06	5.71E-08	1.89E-07	2.46E-07	3.08E-08	8.77E-08	1.18E-07

3962	437433.17	3762574.69	2.81E-07	8.86E-07	1.17E-06	4.37E-08	1.45E-07	1.88E-07	2.35E-08	6.71E-08	9.07E-08
3963	437423.28	3762574.73	2.74E-07	8.64E-07	1.14E-06	4.26E-08	1.41E-07	1.84E-07	2.30E-08	6.55E-08	8.84E-08
3964	437413.38	3762574.76	2.67E-07	8.42E-07	1.11E-06	4.15E-08	1.37E-07	1.79E-07	2.24E-08	6.38E-08	8.61E-08
3965	437403.49	3762574.8	2.60E-07	8.19E-07	1.08E-06	4.04E-08	1.34E-07	1.74E-07	2.18E-08	6.21E-08	8.38E-08
3966	437393.6	3762574.84	2.53E-07	7.96E-07	1.05E-06	3.93E-08	1.30E-07	1.69E-07	2.12E-08	6.03E-08	8.15E-08
3967	437477.05	3762568.64	2.88E-07	9.08E-07	1.20E-06	4.48E-08	1.48E-07	1.93E-07	2.41E-08	6.88E-08	9.30E-08
3968	437433.1	3762554.69	2.28E-07	7.18E-07	9.46E-07	3.54E-08	1.17E-07	1.53E-07	1.91E-08	5.44E-08	7.35E-08
3969	437423.2	3762554.73	2.23E-07	7.02E-07	9.25E-07	3.46E-08	1.15E-07	1.49E-07	1.87E-08	5.32E-08	7.19E-08
3970	437413.31	3762554.76	2.18E-07	6.86E-07	9.04E-07	3.39E-08	1.12E-07	1.46E-07	1.82E-08	5.20E-08	7.02E-08
3971	437403.41	3762554.8	2.13E-07	6.70E-07	8.83E-07	3.31E-08	1.09E-07	1.43E-07	1.78E-08	5.08E-08	6.86E-08
3972	437393.52	3762554.84	2.08E-07	6.54E-07	8.62E-07	3.23E-08	1.07E-07	1.39E-07	1.74E-08	4.96E-08	6.70E-08
3973	437479.04	3762549.49	2.37E-07	7.45E-07	9.82E-07	3.68E-08	1.22E-07	1.59E-07	1.98E-08	5.65E-08	7.63E-08
3974	437524.19	3762568.04	3.03E-07	9.55E-07	1.26E-06	4.71E-08	1.56E-07	2.03E-07	2.54E-08	7.24E-08	9.78E-08
3975	437533.22	3762571.75	3.17E-07	1.00E-06	1.32E-06	4.93E-08	1.63E-07	2.13E-07	2.66E-08	7.58E-08	1.02E-07
3976	437433.02	3762534.69	1.88E-07	5.93E-07	7.81E-07	2.92E-08	9.68E-08	1.26E-07	1.58E-08	4.49E-08	6.07E-08
3977	437423.12	3762534.73	1.85E-07	5.81E-07	7.66E-07	2.87E-08	9.49E-08	1.24E-07	1.54E-08	4.40E-08	5.95E-08
3978	437413.23	3762534.77	1.81E-07	5.69E-07	7.50E-07	2.81E-08	9.30E-08	1.21E-07	1.51E-08	4.31E-08	5.83E-08
3979	437403.34	3762534.8	1.77E-07	5.58E-07	7.35E-07	2.75E-08	9.11E-08	1.19E-07	1.48E-08	4.23E-08	5.71E-08
3980	437393.44	3762534.84	1.73E-07	5.46E-07	7.19E-07	2.69E-08	8.92E-08	1.16E-07	1.45E-08	4.14E-08	5.59E-08
3981	437477.77	3762529	1.94E-07	6.11E-07	8.05E-07	3.02E-08	9.98E-08	1.30E-07	1.62E-08	4.63E-08	6.26E-08
3982	437530.17	3762550.53	2.54E-07	8.00E-07	1.05E-06	3.94E-08	1.31E-07	1.70E-07	2.12E-08	6.06E-08	8.18E-08
3983	437432.94	3762514.69	1.58E-07	4.98E-07	6.56E-07	2.46E-08	8.13E-08	1.06E-07	1.32E-08	3.77E-08	5.09E-08
3984	437423.05	3762514.73	1.55E-07	4.89E-07	6.44E-07	2.41E-08	7.98E-08	1.04E-07	1.30E-08	3.70E-08	5.00E-08
3985	437413.15	3762514.77	1.52E-07	4.80E-07	6.32E-07	2.37E-08	7.84E-08	1.02E-07	1.27E-08	3.63E-08	4.91E-08
3986	437403.26	3762514.8	1.49E-07	4.71E-07	6.20E-07	2.32E-08	7.69E-08	1.00E-07	1.25E-08	3.57E-08	4.82E-08
3987	437393.37	3762514.84	1.47E-07	4.62E-07	6.08E-07	2.28E-08	7.54E-08	9.82E-08	1.23E-08	3.50E-08	4.73E-08
3988	437479.25	3762509.64	1.64E-07	5.16E-07	6.80E-07	2.55E-08	8.43E-08	1.10E-07	1.37E-08	3.91E-08	5.28E-08
3989	437524.87	3762528.39	2.05E-07	6.44E-07	8.49E-07	3.18E-08	1.05E-07	1.37E-07	1.71E-08	4.88E-08	6.60E-08
3990	437432.86	3762494.69	1.34E-07	4.23E-07	5.57E-07	2.09E-08	6.91E-08	9.00E-08	1.12E-08	3.21E-08	4.33E-08
3991	437422.97	3762494.73	1.32E-07	4.16E-07	5.48E-07	2.05E-08	6.80E-08	8.85E-08	1.11E-08	3.15E-08	4.26E-08
3992	437413.08	3762494.77	1.30E-07	4.09E-07	5.39E-07	2.02E-08	6.68E-08	8.70E-08	1.09E-08	3.10E-08	4.19E-08
3993	437403.18	3762494.8	1.28E-07	4.02E-07	5.30E-07	1.98E-08	6.57E-08	8.55E-08	1.07E-08	3.05E-08	4.12E-08
3994	437393.29	3762494.84	1.26E-07	3.95E-07	5.21E-07	1.95E-08	6.46E-08	8.41E-08	1.05E-08	2.99E-08	4.05E-08
3995	437478.16	3762489.23	1.38E-07	4.36E-07	5.74E-07	2.15E-08	7.12E-08	9.27E-08	1.16E-08	3.30E-08	4.46E-08
3996	437531.38	3762511.09	1.77E-07	5.56E-07	7.33E-07	2.74E-08	9.08E-08	1.18E-07	1.48E-08	4.21E-08	5.69E-08
3997	437610.35	3762594.95	3.86E-07	1.22E-06	1.60E-06	6.00E-08	1.99E-07	2.59E-07	3.23E-08	9.21E-08	1.24E-07
3998	437617.7	3762612.66	4.61E-07	1.45E-06	1.91E-06	7.16E-08	2.37E-07	3.09E-07	3.86E-08	1.10E-07	1.49E-07
3999	437632.42	3762648.08	6.66E-07	2.10E-06	2.76E-06	1.03E-07	3.43E-07	4.46E-07	5.57E-08	1.59E-07	2.15E-07
4000	437432.79	3762474.69	1.15E-07	3.64E-07	4.79E-07	1.79E-08	5.94E-08	7.73E-08	9.66E-09	2.76E-08	3.72E-08
4001	437422.89	3762474.73	1.14E-07	3.58E-07	4.72E-07	1.77E-08	5.85E-08	7.62E-08	9.52E-09	2.71E-08	3.66E-08
4002	437413	3762474.77	1.12E-07	3.53E-07	4.64E-07	1.74E-08	5.76E-08	7.50E-08	9.37E-09	2.67E-08	3.61E-08
4003	437403.11	3762474.8	1.10E-07	3.47E-07	4.57E-07	1.71E-08	5.67E-08	7.38E-08	9.22E-09	2.63E-08	3.55E-08
4004	437393.21	3762474.84	1.09E-07	3.42E-07	4.50E-07	1.69E-08	5.58E-08	7.27E-08	9.08E-09	2.59E-08	3.50E-08
4005	437477.3	3762468.9	1.18E-07	3.73E-07	4.91E-07	1.84E-08	6.09E-08	7.92E-08	9.90E-09	2.82E-08	3.81E-08
4006	437529.33	3762490.28	1.48E-07	4.68E-07	6.16E-07	2.31E-08	7.64E-08	9.94E-08	1.24E-08	3.54E-08	4.79E-08
4007	437623.89	3762579.4	3.21E-07	1.01E-06	1.33E-06	4.99E-08	1.65E-07	2.15E-07	2.69E-08	7.66E-08	1.03E-07
4008	437645.47	3762631.36	5.19E-07	1.64E-06	2.15E-06	8.07E-08	2.67E-07	3.48E-07	4.35E-08	1.24E-07	1.67E-07
4009	437432.71	3762454.69	1.00E-07	3.16E-07	4.16E-07	1.56E-08	5.15E-08	6.71E-08	8.39E-09	2.39E-08	3.23E-08
4010	437422.82	3762454.73	9.88E-08	3.11E-07	4.10E-07	1.53E-08	5.08E-08	6.62E-08	8.27E-09	2.36E-08	3.18E-08
4011	437412.92	3762454.77	9.74E-08	3.07E-07	4.04E-07	1.51E-08	5.01E-08	6.52E-08	8.15E-09	2.32E-08	3.14E-08
4012	437403.03	3762454.8	9.60E-08	3.02E-07	3.98E-07	1.49E-08	4.94E-08	6.43E-08	8.03E-09	2.29E-08	3.09E-08
4013	437393.14	3762454.84	9.46E-08	2.98E-07	3.93E-07	1.47E-08	4.87E-08	6.34E-08	7.92E-09	2.26E-08	3.05E-08
4014	437478.38	3762449.38	1.03E-07	3.25E-07	4.28E-07	1.60E-08	5.30E-08	6.90E-08	8.63E-09	2.46E-08	3.32E-08
4015	437523.2	3762467.79	1.24E-07	3.91E-07	5.15E-07	1.93E-08	6.39E-08	8.32E-08	1.04E-08	2.96E-08	4.00E-08
4016	437532.16	3762471.48	1.29E-07	4.06E-07	5.35E-07	2.00E-08	6.63E-08	8.63E-08	1.08E-08	3.07E-08	4.15E-08
4017	437616.55	3762513.57	1.82E-07	5.73E-07	7.55E-07	2.83E-08	9.37E-08	1.22E-07	1.52E-08	4.34E-08	5.87E-08
4018	437627.7	3762540.41	2.24E-07	7.06E-07	9.31E-07	3.49E-08	1.15E-07	1.50E-07	1.88E-08	5.35E-08	7.23E-08
4019	437657.43	3762612.01	4.06E-07	1.28E-06	1.69E-06	6.31E-08	2.09E-07	2.72E-07	3.40E-08	9.69E-08	1.31E-07
4020	437432.63	3762434.69	8.77E-08	2.76E-07	3.64E-07	1.36E-08	4.51E-08	5.87E-08	7.34E-09	2.09E-08	2.83E-08
4021	437422.74	3762434.73	8.65E-08	2.73E-07	3.59E-07	1.34E-08	4.45E-08	5.80E-08	7.24E-09	2.07E-08	2.79E-08
4022	437412.85	3762434.77	8.54E-08	2.69E-07	3.54E-07	1.33E-08	4.39E-08	5.72E-08	7.15E-09	2.04E-08	2.75E-08

4023	437402.95	3762434.8	8.43E-08	2.65E-07	3.50E-07	1.31E-08	4.34E-08	5.64E-08	7.05E-09	2.01E-08	2.72E-08
4024	437393.06	3762434.84	8.32E-08	2.62E-07	3.45E-07	1.29E-08	4.28E-08	5.57E-08	6.96E-09	1.98E-08	2.68E-08
4025	437477.59	3762429.09	8.99E-08	2.83E-07	3.73E-07	1.40E-08	4.62E-08	6.02E-08	7.52E-09	2.14E-08	2.90E-08
4026	437530.31	3762450.75	1.11E-07	3.49E-07	4.59E-07	1.72E-08	5.70E-08	7.42E-08	9.27E-09	2.64E-08	3.57E-08
4027	437641.52	3762525.54	1.95E-07	6.16E-07	8.11E-07	3.04E-08	1.01E-07	1.31E-07	1.64E-08	4.66E-08	6.30E-08
4028	437659.73	3762569.39	2.72E-07	8.56E-07	1.13E-06	4.22E-08	1.40E-07	1.82E-07	2.28E-08	6.49E-08	8.76E-08
4029	437674.3	3762604.48	3.58E-07	1.13E-06	1.48E-06	5.56E-08	1.84E-07	2.40E-07	2.99E-08	8.54E-08	1.15E-07
4030	437681.59	3762622.02	4.11E-07	1.30E-06	1.71E-06	6.39E-08	2.12E-07	2.76E-07	3.44E-08	9.82E-08	1.33E-07
4031	437432.56	3762414.69	7.73E-08	2.44E-07	3.21E-07	1.20E-08	3.98E-08	5.18E-08	6.47E-09	1.85E-08	2.49E-08
4032	437422.66	3762414.73	7.64E-08	2.41E-07	3.17E-07	1.19E-08	3.93E-08	5.12E-08	6.39E-09	1.82E-08	2.46E-08
4033	437412.77	3762414.77	7.54E-08	2.38E-07	3.13E-07	1.17E-08	3.88E-08	5.05E-08	6.31E-09	1.80E-08	2.43E-08
4034	437402.88	3762414.8	7.45E-08	2.35E-07	3.09E-07	1.16E-08	3.83E-08	4.99E-08	6.24E-09	1.78E-08	2.40E-08
4035	437392.98	3762414.84	7.36E-08	2.32E-07	3.05E-07	1.14E-08	3.79E-08	4.93E-08	6.16E-09	1.76E-08	2.37E-08
4036	437460.44	3762402.07	7.43E-08	2.34E-07	3.08E-07	1.15E-08	3.82E-08	4.98E-08	6.22E-09	1.77E-08	2.39E-08
4037	437469.47	3762405.78	7.68E-08	2.42E-07	3.19E-07	1.19E-08	3.95E-08	5.15E-08	6.43E-09	1.83E-08	2.48E-08
4038	437478.5	3762409.49	7.95E-08	2.50E-07	3.30E-07	1.24E-08	4.09E-08	5.33E-08	6.65E-09	1.90E-08	2.56E-08
4039	437523.65	3762428.05	9.44E-08	2.97E-07	3.92E-07	1.47E-08	4.86E-08	6.32E-08	7.90E-09	2.25E-08	3.04E-08
4040	437532.69	3762431.76	9.76E-08	3.07E-07	4.05E-07	1.52E-08	5.02E-08	6.54E-08	8.17E-09	2.33E-08	3.15E-08
4041	437656.04	3762512.35	1.74E-07	5.47E-07	7.21E-07	2.70E-08	8.94E-08	1.16E-07	1.45E-08	4.15E-08	5.60E-08
4042	437686	3762584.48	2.89E-07	9.12E-07	1.20E-06	4.50E-08	1.49E-07	1.94E-07	2.42E-08	6.91E-08	9.33E-08
4043	437432.48	3762394.69	6.87E-08	2.16E-07	2.85E-07	1.07E-08	3.53E-08	4.60E-08	5.75E-09	1.64E-08	2.21E-08
4044	437422.59	3762394.73	6.79E-08	2.14E-07	2.82E-07	1.05E-08	3.49E-08	4.55E-08	5.68E-09	1.62E-08	2.19E-08
4045	437412.69	3762394.77	6.71E-08	2.11E-07	2.78E-07	1.04E-08	3.45E-08	4.50E-08	5.62E-09	1.60E-08	2.16E-08
4046	437402.8	3762394.8	6.63E-08	2.09E-07	2.75E-07	1.03E-08	3.41E-08	4.44E-08	5.55E-09	1.58E-08	2.14E-08
4047	437392.9	3762394.84	6.56E-08	2.07E-07	2.72E-07	1.02E-08	3.37E-08	4.39E-08	5.49E-09	1.57E-08	2.11E-08
4048	437451.17	3762378.3	6.41E-08	2.02E-07	2.66E-07	9.95E-09	3.30E-08	4.29E-08	5.36E-09	1.53E-08	2.06E-08
4049	437504.39	3762400.16	7.76E-08	2.44E-07	3.22E-07	1.21E-08	3.99E-08	5.20E-08	6.49E-09	1.85E-08	2.50E-08
4050	437513.26	3762403.81	8.01E-08	2.52E-07	3.32E-07	1.24E-08	4.12E-08	5.37E-08	6.71E-09	1.91E-08	2.58E-08
4051	437522.13	3762407.45	8.27E-08	2.60E-07	3.43E-07	1.29E-08	4.26E-08	5.54E-08	6.92E-09	1.97E-08	2.67E-08
4052	437531	3762411.09	8.54E-08	2.69E-07	3.54E-07	1.33E-08	4.39E-08	5.72E-08	7.15E-09	2.04E-08	2.75E-08
4053	437658.85	3762470.97	1.30E-07	4.10E-07	5.40E-07	2.02E-08	6.69E-08	8.71E-08	1.09E-08	3.10E-08	4.19E-08
4054	437702.99	3762577.24	2.60E-07	8.19E-07	1.08E-06	4.04E-08	1.34E-07	1.74E-07	2.18E-08	6.21E-08	8.38E-08
4055	437442.3	3762374.65	6.21E-08	1.96E-07	2.58E-07	9.65E-09	3.20E-08	4.16E-08	5.20E-09	1.48E-08	2.00E-08
4056	437432.4	3762374.69	6.14E-08	1.93E-07	2.55E-07	9.54E-09	3.16E-08	4.11E-08	5.14E-09	1.47E-08	1.98E-08
4057	437422.51	3762374.73	6.07E-08	1.91E-07	2.52E-07	9.44E-09	3.12E-08	4.07E-08	5.08E-09	1.45E-08	1.96E-08
4058	437412.62	3762374.77	6.01E-08	1.89E-07	2.49E-07	9.33E-09	3.09E-08	4.02E-08	5.03E-09	1.43E-08	1.94E-08
4059	437402.72	3762374.8	5.94E-08	1.87E-07	2.47E-07	9.23E-09	3.06E-08	3.98E-08	4.97E-09	1.42E-08	1.92E-08
4060	437392.83	3762374.84	5.88E-08	1.85E-07	2.44E-07	9.13E-09	3.02E-08	3.94E-08	4.92E-09	1.40E-08	1.89E-08
4061	437451.19	3762348.35	5.46E-08	1.72E-07	2.27E-07	8.48E-09	2.81E-08	3.66E-08	4.57E-09	1.30E-08	1.76E-08
4062	437505.23	3762370.55	6.55E-08	2.06E-07	2.72E-07	1.02E-08	3.37E-08	4.39E-08	5.48E-09	1.56E-08	2.11E-08
4063	437514.23	3762374.25	6.75E-08	2.13E-07	2.80E-07	1.05E-08	3.47E-08	4.52E-08	5.65E-09	1.61E-08	2.18E-08
4064	437523.24	3762377.95	6.96E-08	2.19E-07	2.89E-07	1.08E-08	3.58E-08	4.66E-08	5.83E-09	1.66E-08	2.24E-08
4065	437532.25	3762381.65	7.18E-08	2.26E-07	2.98E-07	1.12E-08	3.69E-08	4.81E-08	6.01E-09	1.71E-08	2.31E-08
4066	437683.82	3762458.84	1.18E-07	3.71E-07	4.89E-07	1.83E-08	6.07E-08	7.90E-08	9.87E-09	2.81E-08	3.80E-08
4067	437706.22	3762512.79	1.62E-07	5.09E-07	6.71E-07	2.51E-08	8.32E-08	1.08E-07	1.35E-08	3.86E-08	5.21E-08
4068	437713.69	3762530.78	1.80E-07	5.67E-07	7.47E-07	2.80E-08	9.26E-08	1.21E-07	1.51E-08	4.29E-08	5.80E-08
4069	437442.18	3762344.65	5.30E-08	1.67E-07	2.20E-07	8.24E-09	2.73E-08	3.55E-08	4.44E-09	1.27E-08	1.71E-08
4070	437432.29	3762344.69	5.25E-08	1.65E-07	2.18E-07	8.15E-09	2.70E-08	3.51E-08	4.39E-09	1.25E-08	1.69E-08
4071	437422.39	3762344.73	5.19E-08	1.64E-07	2.15E-07	8.07E-09	2.67E-08	3.48E-08	4.35E-09	1.24E-08	1.67E-08
4072	437412.5	3762344.77	5.14E-08	1.62E-07	2.13E-07	7.98E-09	2.64E-08	3.44E-08	4.30E-09	1.23E-08	1.66E-08
4073	437402.61	3762344.8	5.09E-08	1.60E-07	2.11E-07	7.90E-09	2.62E-08	3.41E-08	4.26E-09	1.21E-08	1.64E-08
4074	437392.71	3762344.84	5.04E-08	1.59E-07	2.09E-07	7.83E-09	2.59E-08	3.37E-08	4.22E-09	1.20E-08	1.62E-08
4075	437451.19	3762318.4	4.71E-08	1.48E-07	1.95E-07	7.32E-09	2.42E-08	3.16E-08	3.94E-09	1.12E-08	1.52E-08
4076	437505.93	3762340.89	5.60E-08	1.76E-07	2.32E-07	8.70E-09	2.88E-08	3.75E-08	4.68E-09	1.34E-08	1.80E-08
4077	437515.05	3762344.64	5.76E-08	1.81E-07	2.39E-07	8.95E-09	2.96E-08	3.86E-08	4.82E-09	1.38E-08	1.86E-08
4078	437524.18	3762348.39	5.94E-08	1.87E-07	2.46E-07	9.22E-09	3.05E-08	3.98E-08	4.97E-09	1.42E-08	1.91E-08
4079	437701.3	3762428.71	9.74E-08	3.07E-07	4.04E-07	1.51E-08	5.01E-08	6.52E-08	8.15E-09	2.32E-08	3.14E-08
4080	437705.09	3762437.82	1.02E-07	3.22E-07	4.24E-07	1.59E-08	5.26E-08	6.84E-08	8.55E-09	2.44E-08	3.29E-08
4081	437720.22	3762474.26	1.24E-07	3.91E-07	5.15E-07	1.93E-08	6.38E-08	8.31E-08	1.04E-08	2.96E-08	4.00E-08
4082	437742.92	3762528.91	1.67E-07	5.25E-07	6.92E-07	2.59E-08	8.58E-08	1.12E-07	1.40E-08	3.98E-08	5.38E-08
4083	437761.83	3762574.45	2.15E-07	6.77E-07	8.92E-07	3.34E-08	1.11E-07	1.44E-07	1.80E-08	5.13E-08	6.93E-08

4084	437769.4	3762592.67	2.39E-07	7.51E-07	9.90E-07	3.71E-08	1.23E-07	1.60E-07	2.00E-08	5.69E-08	7.69E-08
4085	437776.97	3762610.89	2.65E-07	8.34E-07	1.10E-06	4.12E-08	1.36E-07	1.77E-07	2.22E-08	6.32E-08	8.54E-08
4086	437442.07	3762314.65	4.58E-08	1.44E-07	1.90E-07	7.12E-09	2.36E-08	3.07E-08	3.84E-09	1.09E-08	1.48E-08
4087	437432.17	3762314.69	4.54E-08	1.43E-07	1.88E-07	7.05E-09	2.33E-08	3.04E-08	3.80E-09	1.08E-08	1.46E-08
4088	437422.28	3762314.73	4.49E-08	1.41E-07	1.86E-07	6.98E-09	2.31E-08	3.01E-08	3.76E-09	1.07E-08	1.45E-08
4089	437412.39	3762314.77	4.45E-08	1.40E-07	1.85E-07	6.91E-09	2.29E-08	2.98E-08	3.72E-09	1.06E-08	1.43E-08
4090	437402.49	3762314.8	4.41E-08	1.39E-07	1.83E-07	6.85E-09	2.27E-08	2.95E-08	3.69E-09	1.05E-08	1.42E-08
4091	437392.6	3762314.84	4.37E-08	1.38E-07	1.81E-07	6.78E-09	2.25E-08	2.92E-08	3.65E-09	1.04E-08	1.41E-08
4092	437450.88	3762288.32	4.10E-08	1.29E-07	1.70E-07	6.38E-09	2.11E-08	2.75E-08	3.43E-09	9.79E-09	1.32E-08
4093	437504.44	3762310.33	4.81E-08	1.51E-07	2.00E-07	7.47E-09	2.47E-08	3.22E-08	4.02E-09	1.15E-08	1.55E-08
4094	437513.37	3762313.99	4.94E-08	1.56E-07	2.05E-07	7.68E-09	2.54E-08	3.31E-08	4.14E-09	1.18E-08	1.59E-08
4095	437522.3	3762317.66	5.08E-08	1.60E-07	2.11E-07	7.89E-09	2.61E-08	3.40E-08	4.25E-09	1.21E-08	1.64E-08
4096	437531.22	3762321.33	5.22E-08	1.64E-07	2.16E-07	8.11E-09	2.68E-08	3.49E-08	4.37E-09	1.24E-08	1.68E-08
4097	437726.1	3762416.18	8.91E-08	2.81E-07	3.70E-07	1.38E-08	4.58E-08	5.97E-08	7.46E-09	2.13E-08	2.87E-08
4098	437740.9	3762451.83	1.06E-07	3.34E-07	4.40E-07	1.65E-08	5.46E-08	7.11E-08	8.88E-09	2.53E-08	3.42E-08
4099	437755.71	3762487.48	1.27E-07	3.99E-07	5.25E-07	1.97E-08	6.51E-08	8.48E-08	1.06E-08	3.02E-08	4.08E-08
4100	437441.95	3762284.65	4.00E-08	1.26E-07	1.66E-07	6.22E-09	2.06E-08	2.68E-08	3.35E-09	9.55E-09	1.29E-08
4101	437432.06	3762284.69	3.96E-08	1.25E-07	1.64E-07	6.16E-09	2.04E-08	2.65E-08	3.32E-09	9.46E-09	1.28E-08
4102	437422.16	3762284.73	3.93E-08	1.24E-07	1.63E-07	6.10E-09	2.02E-08	2.63E-08	3.29E-09	9.37E-09	1.27E-08
4103	437412.27	3762284.77	3.89E-08	1.23E-07	1.61E-07	6.04E-09	2.00E-08	2.61E-08	3.26E-09	9.28E-09	1.25E-08
4104	437402.38	3762284.8	3.86E-08	1.21E-07	1.60E-07	5.99E-09	1.98E-08	2.58E-08	3.23E-09	9.20E-09	1.24E-08
4105	437392.48	3762284.84	3.82E-08	1.20E-07	1.59E-07	5.94E-09	1.97E-08	2.56E-08	3.20E-09	9.12E-09	1.23E-08
4106	437450.87	3762258.36	3.61E-08	1.14E-07	1.50E-07	5.61E-09	1.86E-08	2.42E-08	3.02E-09	8.62E-09	1.16E-08
4107	437505.05	3762280.63	4.20E-08	1.32E-07	1.74E-07	6.53E-09	2.16E-08	2.82E-08	3.52E-09	1.00E-08	1.35E-08
4108	437514.09	3762284.34	4.31E-08	1.36E-07	1.79E-07	6.70E-09	2.22E-08	2.89E-08	3.61E-09	1.03E-08	1.39E-08
4109	437523.12	3762288.05	4.43E-08	1.39E-07	1.84E-07	6.88E-09	2.28E-08	2.97E-08	3.71E-09	1.06E-08	1.43E-08
4110	437532.15	3762291.76	4.54E-08	1.43E-07	1.89E-07	7.06E-09	2.34E-08	3.04E-08	3.80E-09	1.08E-08	1.46E-08
4111	437747.35	3762395.13	7.86E-08	2.48E-07	3.26E-07	1.22E-08	4.04E-08	5.27E-08	6.58E-09	1.88E-08	2.53E-08
4112	437762.33	3762431.2	9.26E-08	2.91E-07	3.84E-07	1.44E-08	4.76E-08	6.20E-08	7.75E-09	2.21E-08	2.98E-08
4113	437777.31	3762467.26	1.09E-07	3.44E-07	4.53E-07	1.70E-08	5.61E-08	7.31E-08	9.13E-09	2.60E-08	3.52E-08
4114	437441.84	3762254.65	3.53E-08	1.11E-07	1.46E-07	5.48E-09	1.81E-08	2.36E-08	2.95E-09	8.42E-09	1.14E-08
4115	437431.94	3762254.69	3.49E-08	1.10E-07	1.45E-07	5.43E-09	1.80E-08	2.34E-08	2.93E-09	8.34E-09	1.13E-08
4116	437422.05	3762254.73	3.46E-08	1.09E-07	1.44E-07	5.38E-09	1.78E-08	2.32E-08	2.90E-09	8.26E-09	1.12E-08
4117	437412.15	3762254.77	3.43E-08	1.08E-07	1.42E-07	5.33E-09	1.77E-08	2.30E-08	2.87E-09	8.19E-09	1.11E-08
4118	437402.26	3762254.81	3.40E-08	1.07E-07	1.41E-07	5.29E-09	1.75E-08	2.28E-08	2.85E-09	8.12E-09	1.10E-08
4119	437392.37	3762254.84	3.38E-08	1.06E-07	1.40E-07	5.25E-09	1.74E-08	2.26E-08	2.83E-09	8.06E-09	1.09E-08
4120	437450.84	3762228.4	3.21E-08	1.01E-07	1.33E-07	4.98E-09	1.65E-08	2.15E-08	2.69E-09	7.66E-09	1.03E-08
4121	437505.58	3762250.89	3.71E-08	1.17E-07	1.54E-07	5.76E-09	1.91E-08	2.48E-08	3.10E-09	8.85E-09	1.19E-08
4122	437514.71	3762254.64	3.80E-08	1.20E-07	1.58E-07	5.90E-09	1.95E-08	2.55E-08	3.18E-09	9.07E-09	1.22E-08
4123	437523.83	3762258.39	3.90E-08	1.23E-07	1.62E-07	6.05E-09	2.00E-08	2.61E-08	3.26E-09	9.30E-09	1.26E-08
4124	437768.6	3762374.06	6.99E-08	2.20E-07	2.90E-07	1.09E-08	3.60E-08	4.68E-08	5.85E-09	1.67E-08	2.25E-08
4125	437783.74	3762410.49	8.14E-08	2.57E-07	3.38E-07	1.27E-08	4.19E-08	5.46E-08	6.82E-09	1.94E-08	2.63E-08
4126	437798.87	3762446.93	9.50E-08	2.99E-07	3.94E-07	1.48E-08	4.89E-08	6.37E-08	7.96E-09	2.27E-08	3.06E-08
4127	437441.72	3762224.65	3.14E-08	9.87E-08	1.30E-07	4.87E-09	1.61E-08	2.10E-08	2.62E-09	7.48E-09	1.01E-08
4128	437431.83	3762224.69	3.11E-08	9.79E-08	1.29E-07	4.83E-09	1.60E-08	2.08E-08	2.60E-09	7.42E-09	1.00E-08
4129	437421.93	3762224.73	3.08E-08	9.70E-08	1.28E-07	4.79E-09	1.59E-08	2.06E-08	2.58E-09	7.35E-09	9.93E-09
4130	437412.04	3762224.77	3.06E-08	9.62E-08	1.27E-07	4.75E-09	1.57E-08	2.05E-08	2.56E-09	7.29E-09	9.85E-09
4131	437402.15	3762224.81	3.03E-08	9.55E-08	1.26E-07	4.71E-09	1.56E-08	2.03E-08	2.54E-09	7.23E-09	9.77E-09
4132	437392.25	3762224.84	3.01E-08	9.47E-08	1.25E-07	4.67E-09	1.55E-08	2.01E-08	2.52E-09	7.18E-09	9.70E-09
4133	437450.57	3762198.34	2.87E-08	9.04E-08	1.19E-07	4.46E-09	1.48E-08	1.92E-08	2.40E-09	6.85E-09	9.25E-09
4134	437504.35	3762220.43	3.28E-08	1.03E-07	1.36E-07	5.10E-09	1.69E-08	2.20E-08	2.75E-09	7.83E-09	1.06E-08
4135	437513.31	3762224.11	3.36E-08	1.06E-07	1.39E-07	5.22E-09	1.73E-08	2.25E-08	2.81E-09	8.01E-09	1.08E-08
4136	437522.28	3762227.8	3.44E-08	1.08E-07	1.43E-07	5.34E-09	1.77E-08	2.30E-08	2.88E-09	8.20E-09	1.11E-08
4137	437789.64	3762352.49	6.25E-08	1.97E-07	2.59E-07	9.71E-09	3.21E-08	4.18E-08	5.23E-09	1.49E-08	2.01E-08
4138	437804.51	3762388.28	7.18E-08	2.26E-07	2.98E-07	1.12E-08	3.70E-08	4.81E-08	6.01E-09	1.71E-08	2.32E-08
4139	437819.38	3762424.08	8.27E-08	2.61E-07	3.43E-07	1.29E-08	4.26E-08	5.54E-08	6.92E-09	1.97E-08	2.67E-08
4140	437441.61	3762194.65	2.81E-08	8.85E-08	1.17E-07	4.36E-09	1.45E-08	1.88E-08	2.35E-09	6.70E-09	9.06E-09
4141	437431.71	3762194.69	2.79E-08	8.77E-08	1.16E-07	4.33E-09	1.43E-08	1.87E-08	2.33E-09	6.65E-09	8.98E-09
4142	437421.82	3762194.73	2.76E-08	8.70E-08	1.15E-07	4.29E-09	1.42E-08	1.85E-08	2.31E-09	6.59E-09	8.90E-09
4143	437411.92	3762194.77	2.74E-08	8.63E-08	1.14E-07	4.26E-09	1.41E-08	1.84E-08	2.29E-09	6.54E-09	8.83E-09
4144	437402.03	3762194.81	2.72E-08	8.56E-08	1.13E-07	4.23E-09	1.40E-08	1.82E-08	2.28E-09	6.49E-09	8.77E-09

4145	437392.14	3762194.84	2.70E-08	8.50E-08	1.12E-07	4.19E-09	1.39E-08	1.81E-08	2.26E-09	6.44E-09	8.70E-09
4146	437450.54	3762168.37	2.59E-08	8.14E-08	1.07E-07	4.02E-09	1.33E-08	1.73E-08	2.16E-09	6.17E-09	8.33E-09
4147	437504.82	3762190.67	2.94E-08	9.26E-08	1.22E-07	4.57E-09	1.51E-08	1.97E-08	2.46E-09	7.02E-09	9.48E-09
4148	437513.87	3762194.39	3.01E-08	9.47E-08	1.25E-07	4.67E-09	1.55E-08	2.01E-08	2.52E-09	7.17E-09	9.69E-09
4149	437522.92	3762198.11	3.07E-08	9.68E-08	1.28E-07	4.78E-09	1.58E-08	2.06E-08	2.57E-09	7.34E-09	9.91E-09
4150	437810.88	3762331.4	5.63E-08	1.77E-07	2.34E-07	8.75E-09	2.90E-08	3.77E-08	4.71E-09	1.34E-08	1.81E-08
4151	437825.89	3762367.53	6.42E-08	2.02E-07	2.66E-07	9.98E-09	3.30E-08	4.30E-08	5.38E-09	1.53E-08	2.07E-08
4152	437840.9	3762403.66	7.34E-08	2.31E-07	3.04E-07	1.14E-08	3.77E-08	4.91E-08	6.14E-09	1.75E-08	2.36E-08
4153	437923.44	3762602.39	1.58E-07	4.98E-07	6.56E-07	2.46E-08	8.14E-08	1.06E-07	1.32E-08	3.77E-08	5.10E-08
4154	437441.49	3762164.65	2.53E-08	7.98E-08	1.05E-07	3.94E-09	1.30E-08	1.70E-08	2.12E-09	6.05E-09	8.17E-09
4155	437431.6	3762164.69	2.51E-08	7.92E-08	1.04E-07	3.91E-09	1.29E-08	1.68E-08	2.10E-09	6.00E-09	8.10E-09
4156	437421.7	3762164.73	2.49E-08	7.85E-08	1.03E-07	3.87E-09	1.28E-08	1.67E-08	2.09E-09	5.95E-09	8.04E-09
4157	437411.81	3762164.77	2.47E-08	7.79E-08	1.03E-07	3.85E-09	1.27E-08	1.66E-08	2.07E-09	5.91E-09	7.98E-09
4158	437401.92	3762164.81	2.46E-08	7.74E-08	1.02E-07	3.82E-09	1.26E-08	1.65E-08	2.06E-09	5.86E-09	7.92E-09
4159	437392.02	3762164.84	2.44E-08	7.68E-08	1.01E-07	3.79E-09	1.25E-08	1.63E-08	2.04E-09	5.82E-09	7.86E-09
4160	437450.5	3762138.4	2.35E-08	7.39E-08	9.73E-08	3.64E-09	1.21E-08	1.57E-08	1.96E-09	5.60E-09	7.56E-09
4161	437505.24	3762160.89	2.65E-08	8.36E-08	1.10E-07	4.12E-09	1.37E-08	1.78E-08	2.22E-09	6.33E-09	8.56E-09
4162	437514.36	3762164.64	2.71E-08	8.54E-08	1.13E-07	4.21E-09	1.39E-08	1.82E-08	2.27E-09	6.47E-09	8.74E-09
4163	437523.49	3762168.39	2.77E-08	8.72E-08	1.15E-07	4.30E-09	1.43E-08	1.86E-08	2.32E-09	6.61E-09	8.93E-09
4164	437832.12	3762310.3	5.10E-08	1.61E-07	2.12E-07	7.93E-09	2.63E-08	3.42E-08	4.27E-09	1.22E-08	1.65E-08
4165	437847.25	3762346.73	5.78E-08	1.82E-07	2.40E-07	8.98E-09	2.97E-08	3.87E-08	4.84E-09	1.38E-08	1.86E-08
4166	437862.39	3762383.17	6.55E-08	2.06E-07	2.72E-07	1.02E-08	3.37E-08	4.39E-08	5.48E-09	1.56E-08	2.11E-08
4167	437441.38	3762134.65	2.30E-08	7.24E-08	9.55E-08	3.57E-09	1.18E-08	1.54E-08	1.93E-09	5.49E-09	7.42E-09
4168	437431.48	3762134.69	2.28E-08	7.19E-08	9.47E-08	3.55E-09	1.17E-08	1.53E-08	1.91E-09	5.45E-09	7.36E-09
4169	437421.59	3762134.73	2.26E-08	7.13E-08	9.40E-08	3.52E-09	1.17E-08	1.52E-08	1.90E-09	5.40E-09	7.30E-09
4170	437411.69	3762134.77	2.25E-08	7.08E-08	9.33E-08	3.49E-09	1.16E-08	1.51E-08	1.88E-09	5.36E-09	7.25E-09
4171	437401.8	3762134.81	2.23E-08	7.03E-08	9.26E-08	3.47E-09	1.15E-08	1.50E-08	1.87E-09	5.33E-09	7.19E-09
4172	437391.91	3762134.84	2.22E-08	6.98E-08	9.20E-08	3.44E-09	1.14E-08	1.48E-08	1.86E-09	5.29E-09	7.15E-09
4173	437450.25	3762108.35	2.14E-08	6.74E-08	8.88E-08	3.33E-09	1.10E-08	1.43E-08	1.79E-09	5.11E-09	6.90E-09
4174	437504.18	3762130.5	2.40E-08	7.57E-08	9.97E-08	3.73E-09	1.24E-08	1.61E-08	2.01E-09	5.73E-09	7.75E-09
4175	437513.17	3762134.2	2.45E-08	7.72E-08	1.02E-07	3.81E-09	1.26E-08	1.64E-08	2.05E-09	5.85E-09	7.90E-09
4176	437522.15	3762137.89	2.50E-08	7.88E-08	1.04E-07	3.89E-09	1.29E-08	1.68E-08	2.09E-09	5.97E-09	8.06E-09
4177	437853.18	3762288.77	4.65E-08	1.46E-07	1.93E-07	7.22E-09	2.39E-08	3.11E-08	3.89E-09	1.11E-08	1.50E-08
4178	437868.09	3762324.67	5.21E-08	1.64E-07	2.16E-07	8.10E-09	2.68E-08	3.49E-08	4.36E-09	1.24E-08	1.68E-08
4179	437883	3762360.56	5.85E-08	1.84E-07	2.43E-07	9.09E-09	3.01E-08	3.92E-08	4.90E-09	1.40E-08	1.89E-08
4180	437441.26	3762104.65	2.10E-08	6.62E-08	8.72E-08	3.26E-09	1.08E-08	1.41E-08	1.76E-09	5.01E-09	6.77E-09
4181	437431.37	3762104.69	2.08E-08	6.56E-08	8.65E-08	3.24E-09	1.07E-08	1.40E-08	1.74E-09	4.97E-09	6.72E-09
4182	437421.47	3762104.73	2.07E-08	6.52E-08	8.59E-08	3.21E-09	1.06E-08	1.39E-08	1.73E-09	4.94E-09	6.67E-09
4183	437411.58	3762104.77	2.05E-08	6.47E-08	8.52E-08	3.19E-09	1.06E-08	1.38E-08	1.72E-09	4.90E-09	6.62E-09
4184	437401.68	3762104.81	2.04E-08	6.42E-08	8.46E-08	3.17E-09	1.05E-08	1.37E-08	1.71E-09	4.87E-09	6.58E-09
4185	437391.79	3762104.84	2.03E-08	6.38E-08	8.41E-08	3.15E-09	1.04E-08	1.36E-08	1.70E-09	4.84E-09	6.53E-09
4186	437486.44	3762093.26	2.11E-08	6.65E-08	8.77E-08	3.28E-09	1.09E-08	1.42E-08	1.77E-09	5.04E-09	6.81E-09
4187	437495.5	3762096.98	2.15E-08	6.78E-08	8.94E-08	3.35E-09	1.11E-08	1.44E-08	1.80E-09	5.14E-09	6.94E-09
4188	437504.56	3762100.71	2.20E-08	6.91E-08	9.11E-08	3.41E-09	1.13E-08	1.47E-08	1.84E-09	5.24E-09	7.08E-09
4189	437513.61	3762104.43	2.24E-08	7.05E-08	9.28E-08	3.48E-09	1.15E-08	1.50E-08	1.87E-09	5.34E-09	7.21E-09
4190	437522.67	3762108.15	2.28E-08	7.18E-08	9.46E-08	3.54E-09	1.17E-08	1.53E-08	1.91E-09	5.44E-09	7.35E-09
4191	437889.44	3762303.84	4.75E-08	1.50E-07	1.97E-07	7.38E-09	2.44E-08	3.18E-08	3.98E-09	1.13E-08	1.53E-08
4192	437904.46	3762340.01	5.30E-08	1.67E-07	2.20E-07	8.23E-09	2.73E-08	3.55E-08	4.44E-09	1.26E-08	1.71E-08
4193	437921.49	3762284.71	4.33E-08	1.36E-07	1.80E-07	6.73E-09	2.23E-08	2.90E-08	3.63E-09	1.03E-08	1.40E-08
4194	437925.26	3762293.78	4.44E-08	1.40E-07	1.84E-07	6.90E-09	2.29E-08	2.98E-08	3.72E-09	1.06E-08	1.43E-08
4195	437936.56	3762320.99	4.79E-08	1.51E-07	1.99E-07	7.45E-09	2.47E-08	3.21E-08	4.01E-09	1.14E-08	1.55E-08
4196	437940.33	3762330.05	4.92E-08	1.55E-07	2.04E-07	7.64E-09	2.53E-08	3.29E-08	4.12E-09	1.17E-08	1.58E-08
4197	438002.64	3762383.78	5.39E-08	1.70E-07	2.24E-07	8.38E-09	2.78E-08	3.61E-08	4.52E-09	1.29E-08	1.74E-08
4198	438006.42	3762392.87	5.52E-08	1.74E-07	2.29E-07	8.58E-09	2.84E-08	3.70E-08	4.62E-09	1.32E-08	1.78E-08
4199	438010.19	3762401.96	5.66E-08	1.78E-07	2.35E-07	8.79E-09	2.91E-08	3.79E-08	4.74E-09	1.35E-08	1.82E-08
4200	438013.97	3762411.05	5.80E-08	1.83E-07	2.41E-07	9.01E-09	2.98E-08	3.88E-08	4.85E-09	1.38E-08	1.87E-08
4201	438017.74	3762420.14	5.94E-08	1.87E-07	2.47E-07	9.23E-09	3.06E-08	3.98E-08	4.97E-09	1.42E-08	1.92E-08
4202	438021.52	3762429.23	6.09E-08	1.92E-07	2.53E-07	9.47E-09	3.13E-08	4.08E-08	5.10E-09	1.45E-08	1.96E-08
4203	438025.29	3762438.32	6.25E-08	1.97E-07	2.59E-07	9.71E-09	3.21E-08	4.18E-08	5.23E-09	1.49E-08	2.01E-08
4204	438029.07	3762447.41	6.41E-08	2.02E-07	2.66E-07	9.96E-09	3.30E-08	4.29E-08	5.36E-09	1.53E-08	2.07E-08
4205	438032.84	3762456.5	6.57E-08	2.07E-07	2.73E-07	1.02E-08	3.38E-08	4.40E-08	5.50E-09	1.57E-08	2.12E-08

4206	438036.62	3762465.59	6.75E-08	2.12E-07	2.80E-07	1.05E-08	3.47E-08	4.52E-08	5.65E-09	1.61E-08	2.17E-08
4207	438040.39	3762474.68	6.93E-08	2.18E-07	2.87E-07	1.08E-08	3.56E-08	4.64E-08	5.80E-09	1.65E-08	2.23E-08
4208	438044.17	3762483.77	7.11E-08	2.24E-07	2.95E-07	1.11E-08	3.66E-08	4.76E-08	5.95E-09	1.70E-08	2.29E-08
4209	438047.94	3762492.86	7.30E-08	2.30E-07	3.03E-07	1.14E-08	3.76E-08	4.89E-08	6.11E-09	1.74E-08	2.35E-08
4210	438051.72	3762501.95	7.50E-08	2.36E-07	3.11E-07	1.17E-08	3.86E-08	5.03E-08	6.28E-09	1.79E-08	2.42E-08
4211	438055.49	3762511.04	7.71E-08	2.43E-07	3.20E-07	1.20E-08	3.97E-08	5.17E-08	6.45E-09	1.84E-08	2.49E-08
4212	438059.27	3762520.12	7.92E-08	2.50E-07	3.29E-07	1.23E-08	4.08E-08	5.31E-08	6.63E-09	1.89E-08	2.55E-08
4213	438063.04	3762529.21	8.14E-08	2.56E-07	3.38E-07	1.27E-08	4.19E-08	5.45E-08	6.82E-09	1.94E-08	2.62E-08
4214	438066.82	3762538.3	8.37E-08	2.64E-07	3.47E-07	1.30E-08	4.30E-08	5.60E-08	7.00E-09	2.00E-08	2.70E-08
4215	438070.6	3762547.39	8.60E-08	2.71E-07	3.57E-07	1.34E-08	4.42E-08	5.76E-08	7.20E-09	2.05E-08	2.77E-08
4216	438074.37	3762556.48	8.83E-08	2.78E-07	3.66E-07	1.37E-08	4.54E-08	5.92E-08	7.39E-09	2.11E-08	2.85E-08
4217	438078.15	3762565.57	9.07E-08	2.86E-07	3.76E-07	1.41E-08	4.67E-08	6.08E-08	7.59E-09	2.16E-08	2.92E-08
4218	438081.92	3762574.66	9.31E-08	2.93E-07	3.86E-07	1.45E-08	4.79E-08	6.24E-08	7.80E-09	2.22E-08	3.00E-08
4219	438085.7	3762583.75	9.57E-08	3.01E-07	3.97E-07	1.49E-08	4.92E-08	6.41E-08	8.01E-09	2.28E-08	3.08E-08
4220	438089.47	3762592.84	9.82E-08	3.09E-07	4.07E-07	1.53E-08	5.05E-08	6.58E-08	8.22E-09	2.34E-08	3.17E-08
4221	438093.25	3762601.93	1.01E-07	3.17E-07	4.18E-07	1.57E-08	5.19E-08	6.75E-08	8.44E-09	2.41E-08	3.25E-08
4222	438097.02	3762611.02	1.03E-07	3.26E-07	4.29E-07	1.61E-08	5.32E-08	6.93E-08	8.66E-09	2.47E-08	3.33E-08
4223	438100.8	3762620.11	1.06E-07	3.34E-07	4.40E-07	1.65E-08	5.46E-08	7.10E-08	8.88E-09	2.53E-08	3.42E-08
4224	438104.57	3762629.2	1.09E-07	3.42E-07	4.51E-07	1.69E-08	5.59E-08	7.28E-08	9.10E-09	2.59E-08	3.50E-08
4225	438108.35	3762638.29	1.11E-07	3.51E-07	4.62E-07	1.73E-08	5.73E-08	7.46E-08	9.32E-09	2.66E-08	3.59E-08
4226	438112.12	3762647.38	1.14E-07	3.59E-07	4.73E-07	1.77E-08	5.86E-08	7.63E-08	9.54E-09	2.72E-08	3.67E-08
4227	438115.9	3762656.47	1.17E-07	3.67E-07	4.84E-07	1.81E-08	6.00E-08	7.81E-08	9.75E-09	2.78E-08	3.76E-08
4228	438119.67	3762665.56	1.19E-07	3.75E-07	4.94E-07	1.85E-08	6.13E-08	7.98E-08	9.97E-09	2.84E-08	3.84E-08
4229	437981.85	3762237.43	3.57E-08	1.13E-07	1.48E-07	5.55E-09	1.84E-08	2.39E-08	2.99E-09	8.53E-09	1.15E-08
4230	437985.64	3762246.54	3.65E-08	1.15E-07	1.52E-07	5.67E-09	1.88E-08	2.45E-08	3.06E-09	8.72E-09	1.18E-08
4231	437996.99	3762273.86	3.90E-08	1.23E-07	1.62E-07	6.06E-09	2.01E-08	2.61E-08	3.26E-09	9.31E-09	1.26E-08
4232	438000.77	3762282.97	3.99E-08	1.26E-07	1.65E-07	6.20E-09	2.05E-08	2.67E-08	3.34E-09	9.52E-09	1.29E-08
4233	438004.55	3762292.08	4.08E-08	1.28E-07	1.69E-07	6.33E-09	2.10E-08	2.73E-08	3.41E-09	9.73E-09	1.31E-08
4234	438008.34	3762301.19	4.17E-08	1.31E-07	1.73E-07	6.47E-09	2.14E-08	2.79E-08	3.49E-09	9.94E-09	1.34E-08
4235	438012.12	3762310.3	4.26E-08	1.34E-07	1.77E-07	6.62E-09	2.19E-08	2.85E-08	3.56E-09	1.02E-08	1.37E-08
4236	438015.9	3762319.41	4.35E-08	1.37E-07	1.81E-07	6.76E-09	2.24E-08	2.92E-08	3.64E-09	1.04E-08	1.40E-08
4237	438019.69	3762328.52	4.45E-08	1.40E-07	1.85E-07	6.91E-09	2.29E-08	2.98E-08	3.72E-09	1.06E-08	1.43E-08
4238	438042.39	3762383.17	5.08E-08	1.60E-07	2.11E-07	7.89E-09	2.61E-08	3.40E-08	4.25E-09	1.21E-08	1.64E-08
4239	438046.17	3762392.28	5.20E-08	1.64E-07	2.16E-07	8.07E-09	2.67E-08	3.48E-08	4.35E-09	1.24E-08	1.68E-08
4240	438049.95	3762401.39	5.32E-08	1.67E-07	2.21E-07	8.26E-09	2.74E-08	3.56E-08	4.45E-09	1.27E-08	1.71E-08
4241	438053.74	3762410.49	5.44E-08	1.71E-07	2.26E-07	8.45E-09	2.80E-08	3.64E-08	4.55E-09	1.30E-08	1.75E-08
4242	438057.52	3762419.6	5.57E-08	1.75E-07	2.31E-07	8.65E-09	2.86E-08	3.73E-08	4.66E-09	1.33E-08	1.79E-08
4243	438061.3	3762428.71	5.70E-08	1.80E-07	2.37E-07	8.86E-09	2.93E-08	3.82E-08	4.77E-09	1.36E-08	1.84E-08
4244	438065.09	3762437.82	5.84E-08	1.84E-07	2.42E-07	9.07E-09	3.00E-08	3.91E-08	4.89E-09	1.39E-08	1.88E-08
4245	438068.87	3762446.93	5.98E-08	1.88E-07	2.48E-07	9.30E-09	3.08E-08	4.01E-08	5.01E-09	1.43E-08	1.93E-08
4246	438072.65	3762456.04	6.13E-08	1.93E-07	2.54E-07	9.53E-09	3.15E-08	4.11E-08	5.13E-09	1.46E-08	1.98E-08
4247	438076.44	3762465.15	6.28E-08	1.98E-07	2.61E-07	9.76E-09	3.23E-08	4.21E-08	5.26E-09	1.50E-08	2.03E-08
4248	438080.22	3762474.26	6.44E-08	2.03E-07	2.67E-07	1.00E-08	3.31E-08	4.32E-08	5.39E-09	1.54E-08	2.08E-08
4249	438084	3762483.36	6.61E-08	2.08E-07	2.74E-07	1.03E-08	3.40E-08	4.43E-08	5.53E-09	1.58E-08	2.13E-08
4250	438087.79	3762492.47	6.78E-08	2.13E-07	2.81E-07	1.05E-08	3.49E-08	4.54E-08	5.67E-09	1.62E-08	2.18E-08
4251	438091.57	3762501.58	6.95E-08	2.19E-07	2.89E-07	1.08E-08	3.58E-08	4.66E-08	5.82E-09	1.66E-08	2.24E-08
4252	438095.35	3762510.69	7.14E-08	2.25E-07	2.96E-07	1.11E-08	3.67E-08	4.78E-08	5.97E-09	1.70E-08	2.30E-08
4253	438099.13	3762519.8	7.32E-08	2.31E-07	3.04E-07	1.14E-08	3.77E-08	4.90E-08	6.13E-09	1.75E-08	2.36E-08
4254	438102.92	3762528.91	7.51E-08	2.37E-07	3.12E-07	1.17E-08	3.86E-08	5.03E-08	6.29E-09	1.79E-08	2.42E-08
4255	438106.7	3762538.02	7.70E-08	2.43E-07	3.20E-07	1.20E-08	3.96E-08	5.16E-08	6.45E-09	1.84E-08	2.48E-08
4256	438110.48	3762547.13	7.90E-08	2.49E-07	3.28E-07	1.23E-08	4.07E-08	5.29E-08	6.62E-09	1.89E-08	2.55E-08
4257	438114.27	3762556.24	8.11E-08	2.55E-07	3.36E-07	1.26E-08	4.17E-08	5.43E-08	6.79E-09	1.93E-08	2.61E-08
4258	438118.05	3762565.34	8.32E-08	2.62E-07	3.45E-07	1.29E-08	4.28E-08	5.57E-08	6.96E-09	1.98E-08	2.68E-08
4259	438121.83	3762574.45	8.53E-08	2.69E-07	3.54E-07	1.33E-08	4.39E-08	5.71E-08	7.14E-09	2.04E-08	2.75E-08
4260	438125.62	3762583.56	8.75E-08	2.75E-07	3.63E-07	1.36E-08	4.50E-08	5.86E-08	7.32E-09	2.09E-08	2.82E-08
4261	438129.4	3762592.67	8.97E-08	2.82E-07	3.72E-07	1.39E-08	4.61E-08	6.01E-08	7.50E-09	2.14E-08	2.89E-08
4262	438133.18	3762601.78	9.19E-08	2.89E-07	3.81E-07	1.43E-08	4.73E-08	6.15E-08	7.69E-09	2.19E-08	2.96E-08
4263	438136.97	3762610.89	9.41E-08	2.96E-07	3.90E-07	1.46E-08	4.84E-08	6.30E-08	7.87E-09	2.24E-08	3.03E-08
4264	438140.75	3762620	9.63E-08	3.03E-07	3.99E-07	1.50E-08	4.95E-08	6.45E-08	8.06E-09	2.30E-08	3.10E-08
4265	438144.53	3762629.11	9.85E-08	3.10E-07	4.09E-07	1.53E-08	5.07E-08	6.60E-08	8.24E-09	2.35E-08	3.17E-08
4266	438148.32	3762638.21	1.01E-07	3.17E-07	4.18E-07	1.56E-08	5.18E-08	6.75E-08	8.43E-09	2.40E-08	3.25E-08

4267	438152.1	3762647.32	1.03E-07	3.24E-07	4.27E-07	1.60E-08	5.29E-08	6.89E-08	8.61E-09	2.46E-08	3.32E-08
4268	438155.88	3762656.43	1.05E-07	3.31E-07	4.36E-07	1.63E-08	5.41E-08	7.04E-08	8.79E-09	2.51E-08	3.39E-08
4269	438159.67	3762665.54	1.07E-07	3.38E-07	4.45E-07	1.67E-08	5.51E-08	7.18E-08	8.97E-09	2.56E-08	3.45E-08
4270	437987.4	3762154.47	2.86E-08	9.01E-08	1.19E-07	4.44E-09	1.47E-08	1.92E-08	2.39E-09	6.82E-09	9.22E-09
4271	437991.19	3762163.6	2.92E-08	9.19E-08	1.21E-07	4.54E-09	1.50E-08	1.96E-08	2.44E-09	6.97E-09	9.41E-09
4272	437994.98	3762172.72	2.98E-08	9.38E-08	1.24E-07	4.63E-09	1.53E-08	2.00E-08	2.49E-09	7.11E-09	9.60E-09
4273	438006.35	3762200.1	3.17E-08	9.99E-08	1.32E-07	4.93E-09	1.63E-08	2.12E-08	2.65E-09	7.57E-09	1.02E-08
4274	438010.14	3762209.23	3.24E-08	1.02E-07	1.34E-07	5.03E-09	1.67E-08	2.17E-08	2.71E-09	7.73E-09	1.04E-08
4275	438013.93	3762218.35	3.31E-08	1.04E-07	1.37E-07	5.14E-09	1.70E-08	2.21E-08	2.77E-09	7.89E-09	1.07E-08
4276	438025.3	3762245.73	3.52E-08	1.11E-07	1.46E-07	5.46E-09	1.81E-08	2.35E-08	2.94E-09	8.39E-09	1.13E-08
4277	438029.09	3762254.86	3.59E-08	1.13E-07	1.49E-07	5.58E-09	1.85E-08	2.40E-08	3.00E-09	8.56E-09	1.16E-08
4278	438032.88	3762263.98	3.66E-08	1.15E-07	1.52E-07	5.69E-09	1.88E-08	2.45E-08	3.07E-09	8.74E-09	1.18E-08
4279	438036.67	3762273.11	3.74E-08	1.18E-07	1.55E-07	5.81E-09	1.92E-08	2.50E-08	3.13E-09	8.92E-09	1.21E-08
4280	438040.46	3762282.23	3.82E-08	1.20E-07	1.58E-07	5.93E-09	1.96E-08	2.56E-08	3.19E-09	9.10E-09	1.23E-08
4281	438044.25	3762291.36	3.89E-08	1.23E-07	1.62E-07	6.05E-09	2.00E-08	2.61E-08	3.26E-09	9.29E-09	1.26E-08
4282	438048.04	3762300.49	3.97E-08	1.25E-07	1.65E-07	6.18E-09	2.04E-08	2.66E-08	3.33E-09	9.48E-09	1.28E-08
4283	438051.84	3762309.61	4.06E-08	1.28E-07	1.68E-07	6.30E-09	2.09E-08	2.72E-08	3.39E-09	9.68E-09	1.31E-08
4284	438055.63	3762318.74	4.14E-08	1.30E-07	1.72E-07	6.43E-09	2.13E-08	2.77E-08	3.47E-09	9.88E-09	1.33E-08
4285	438059.42	3762327.86	4.23E-08	1.33E-07	1.75E-07	6.57E-09	2.17E-08	2.83E-08	3.54E-09	1.01E-08	1.36E-08
4286	438063.21	3762336.99	4.31E-08	1.36E-07	1.79E-07	6.70E-09	2.22E-08	2.89E-08	3.61E-09	1.03E-08	1.39E-08
4287	438067	3762346.12	4.40E-08	1.39E-07	1.83E-07	6.84E-09	2.27E-08	2.95E-08	3.69E-09	1.05E-08	1.42E-08
4288	438070.79	3762355.24	4.50E-08	1.42E-07	1.87E-07	6.99E-09	2.31E-08	3.01E-08	3.76E-09	1.07E-08	1.45E-08
4289	438074.58	3762364.37	4.59E-08	1.45E-07	1.90E-07	7.13E-09	2.36E-08	3.08E-08	3.84E-09	1.10E-08	1.48E-08
4290	438078.37	3762373.49	4.69E-08	1.48E-07	1.95E-07	7.28E-09	2.41E-08	3.14E-08	3.92E-09	1.12E-08	1.51E-08
4291	438082.16	3762382.62	4.79E-08	1.51E-07	1.99E-07	7.44E-09	2.46E-08	3.21E-08	4.01E-09	1.14E-08	1.54E-08
4292	438085.95	3762391.74	4.89E-08	1.54E-07	2.03E-07	7.60E-09	2.52E-08	3.28E-08	4.10E-09	1.17E-08	1.58E-08
4293	438089.74	3762400.87	5.00E-08	1.57E-07	2.07E-07	7.77E-09	2.57E-08	3.35E-08	4.19E-09	1.19E-08	1.61E-08
4294	438093.53	3762410	5.11E-08	1.61E-07	2.12E-07	7.94E-09	2.63E-08	3.42E-08	4.28E-09	1.22E-08	1.65E-08
4295	438097.32	3762419.12	5.23E-08	1.65E-07	2.17E-07	8.12E-09	2.69E-08	3.50E-08	4.37E-09	1.25E-08	1.68E-08
4296	438101.11	3762428.25	5.35E-08	1.68E-07	2.22E-07	8.31E-09	2.75E-08	3.58E-08	4.47E-09	1.28E-08	1.72E-08
4297	438104.9	3762437.37	5.47E-08	1.72E-07	2.27E-07	8.50E-09	2.81E-08	3.66E-08	4.58E-09	1.31E-08	1.76E-08
4298	438108.69	3762446.5	5.60E-08	1.76E-07	2.32E-07	8.70E-09	2.88E-08	3.75E-08	4.69E-09	1.34E-08	1.80E-08
4299	438112.48	3762455.63	5.73E-08	1.80E-07	2.38E-07	8.90E-09	2.95E-08	3.84E-08	4.80E-09	1.37E-08	1.85E-08
4300	438116.27	3762464.75	5.87E-08	1.85E-07	2.43E-07	9.12E-09	3.02E-08	3.93E-08	4.91E-09	1.40E-08	1.89E-08
4301	438120.06	3762473.88	6.01E-08	1.89E-07	2.49E-07	9.34E-09	3.09E-08	4.02E-08	5.03E-09	1.43E-08	1.94E-08
4302	438123.85	3762483	6.16E-08	1.94E-07	2.55E-07	9.56E-09	3.17E-08	4.12E-08	5.15E-09	1.47E-08	1.98E-08
4303	438127.64	3762492.13	6.31E-08	1.99E-07	2.62E-07	9.80E-09	3.24E-08	4.22E-08	5.28E-09	1.50E-08	2.03E-08
4304	438131.43	3762501.26	6.46E-08	2.03E-07	2.68E-07	1.00E-08	3.32E-08	4.33E-08	5.41E-09	1.54E-08	2.08E-08
4305	438135.22	3762510.38	6.62E-08	2.08E-07	2.75E-07	1.03E-08	3.41E-08	4.43E-08	5.54E-09	1.58E-08	2.13E-08
4306	438139.01	3762519.51	6.78E-08	2.14E-07	2.81E-07	1.05E-08	3.49E-08	4.54E-08	5.68E-09	1.62E-08	2.19E-08
4307	438142.8	3762528.63	6.95E-08	2.19E-07	2.88E-07	1.08E-08	3.58E-08	4.66E-08	5.82E-09	1.66E-08	2.24E-08
4308	438146.59	3762537.76	7.12E-08	2.24E-07	2.95E-07	1.11E-08	3.66E-08	4.77E-08	5.96E-09	1.70E-08	2.30E-08
4309	438150.38	3762546.89	7.30E-08	2.30E-07	3.03E-07	1.13E-08	3.75E-08	4.89E-08	6.11E-09	1.74E-08	2.35E-08
4310	438154.18	3762556.01	7.48E-08	2.35E-07	3.10E-07	1.16E-08	3.85E-08	5.01E-08	6.26E-09	1.78E-08	2.41E-08
4311	438157.97	3762565.14	7.66E-08	2.41E-07	3.18E-07	1.19E-08	3.94E-08	5.13E-08	6.41E-09	1.83E-08	2.47E-08
4312	438161.76	3762574.26	7.84E-08	2.47E-07	3.25E-07	1.22E-08	4.03E-08	5.25E-08	6.56E-09	1.87E-08	2.53E-08
4313	438165.55	3762583.39	8.03E-08	2.53E-07	3.33E-07	1.25E-08	4.13E-08	5.38E-08	6.72E-09	1.92E-08	2.59E-08
4314	438169.34	3762592.52	8.21E-08	2.59E-07	3.41E-07	1.28E-08	4.23E-08	5.50E-08	6.88E-09	1.96E-08	2.65E-08
4315	438173.13	3762601.64	8.40E-08	2.65E-07	3.49E-07	1.31E-08	4.32E-08	5.63E-08	7.03E-09	2.00E-08	2.71E-08
4316	438176.92	3762610.77	8.59E-08	2.71E-07	3.56E-07	1.33E-08	4.42E-08	5.75E-08	7.19E-09	2.05E-08	2.77E-08
4317	438180.71	3762619.89	8.78E-08	2.76E-07	3.64E-07	1.36E-08	4.52E-08	5.88E-08	7.35E-09	2.09E-08	2.83E-08
4318	438184.5	3762629.02	8.96E-08	2.82E-07	3.72E-07	1.39E-08	4.61E-08	6.00E-08	7.50E-09	2.14E-08	2.89E-08
4319	438188.29	3762638.15	9.15E-08	2.88E-07	3.80E-07	1.42E-08	4.71E-08	6.13E-08	7.66E-09	2.18E-08	2.95E-08
4320	438192.08	3762647.27	9.33E-08	2.94E-07	3.87E-07	1.45E-08	4.80E-08	6.25E-08	7.81E-09	2.23E-08	3.01E-08
4321	438195.87	3762656.4	9.51E-08	3.00E-07	3.95E-07	1.48E-08	4.89E-08	6.37E-08	7.96E-09	2.27E-08	3.07E-08
4322	438199.66	3762665.52	9.69E-08	3.05E-07	4.02E-07	1.51E-08	4.98E-08	6.49E-08	8.11E-09	2.31E-08	3.12E-08
4323	438015.52	3762125.87	2.63E-08	8.27E-08	1.09E-07	4.08E-09	1.35E-08	1.76E-08	2.20E-09	6.27E-09	8.47E-09
4324	438019.26	3762134.87	2.68E-08	8.43E-08	1.11E-07	4.16E-09	1.38E-08	1.79E-08	2.24E-09	6.39E-09	8.63E-09
4325	438022.99	3762143.86	2.73E-08	8.59E-08	1.13E-07	4.24E-09	1.40E-08	1.83E-08	2.28E-09	6.51E-09	8.79E-09
4326	438034.2	3762170.85	2.89E-08	9.09E-08	1.20E-07	4.49E-09	1.49E-08	1.93E-08	2.42E-09	6.89E-09	9.31E-09
4327	438037.94	3762179.85	2.94E-08	9.27E-08	1.22E-07	4.57E-09	1.51E-08	1.97E-08	2.46E-09	7.02E-09	9.48E-09

4328	438041.68	3762188.85	3.00E-08	9.45E-08	1.24E-07	4.66E-09	1.54E-08	2.01E-08	2.51E-09	7.16E-09	9.67E-09
4329	438052.89	3762215.84	3.18E-08	1.00E-07	1.32E-07	4.94E-09	1.63E-08	2.13E-08	2.66E-09	7.58E-09	1.02E-08
4330	438056.62	3762224.83	3.24E-08	1.02E-07	1.34E-07	5.03E-09	1.67E-08	2.17E-08	2.71E-09	7.72E-09	1.04E-08
4331	438060.36	3762233.83	3.30E-08	1.04E-07	1.37E-07	5.13E-09	1.70E-08	2.21E-08	2.76E-09	7.87E-09	1.06E-08
4332	438064.1	3762242.82	3.36E-08	1.06E-07	1.39E-07	5.22E-09	1.73E-08	2.25E-08	2.81E-09	8.02E-09	1.08E-08
4333	438067.83	3762251.82	3.43E-08	1.08E-07	1.42E-07	5.32E-09	1.76E-08	2.30E-08	2.87E-09	8.18E-09	1.10E-08
4334	438071.57	3762260.82	3.49E-08	1.10E-07	1.45E-07	5.43E-09	1.80E-08	2.34E-08	2.92E-09	8.33E-09	1.13E-08
4335	438075.31	3762269.81	3.56E-08	1.12E-07	1.48E-07	5.53E-09	1.83E-08	2.38E-08	2.98E-09	8.49E-09	1.15E-08
4336	438079.04	3762278.81	3.63E-08	1.14E-07	1.50E-07	5.63E-09	1.87E-08	2.43E-08	3.03E-09	8.65E-09	1.17E-08
4337	438082.78	3762287.81	3.69E-08	1.16E-07	1.53E-07	5.74E-09	1.90E-08	2.47E-08	3.09E-09	8.81E-09	1.19E-08
4338	438086.52	3762296.8	3.76E-08	1.19E-07	1.56E-07	5.85E-09	1.94E-08	2.52E-08	3.15E-09	8.98E-09	1.21E-08
4339	438090.25	3762305.8	3.84E-08	1.21E-07	1.59E-07	5.96E-09	1.97E-08	2.57E-08	3.21E-09	9.15E-09	1.24E-08
4340	438093.99	3762314.8	3.91E-08	1.23E-07	1.62E-07	6.07E-09	2.01E-08	2.62E-08	3.27E-09	9.33E-09	1.26E-08
4341	438097.72	3762323.79	3.98E-08	1.25E-07	1.65E-07	6.19E-09	2.05E-08	2.67E-08	3.33E-09	9.51E-09	1.28E-08
4342	438101.46	3762332.79	4.06E-08	1.28E-07	1.68E-07	6.31E-09	2.09E-08	2.72E-08	3.40E-09	9.69E-09	1.31E-08
4343	438105.2	3762341.78	4.14E-08	1.30E-07	1.72E-07	6.43E-09	2.13E-08	2.77E-08	3.46E-09	9.87E-09	1.33E-08
4344	438108.93	3762350.78	4.22E-08	1.33E-07	1.75E-07	6.55E-09	2.17E-08	2.83E-08	3.53E-09	1.01E-08	1.36E-08
4345	438112.67	3762359.78	4.30E-08	1.35E-07	1.78E-07	6.68E-09	2.21E-08	2.88E-08	3.60E-09	1.03E-08	1.39E-08
4346	438116.41	3762368.77	4.39E-08	1.38E-07	1.82E-07	6.82E-09	2.26E-08	2.94E-08	3.67E-09	1.05E-08	1.41E-08
4347	438120.14	3762377.77	4.48E-08	1.41E-07	1.86E-07	6.95E-09	2.30E-08	3.00E-08	3.75E-09	1.07E-08	1.44E-08
4348	438123.88	3762386.77	4.57E-08	1.44E-07	1.89E-07	7.10E-09	2.35E-08	3.06E-08	3.82E-09	1.09E-08	1.47E-08
4349	438127.62	3762395.76	4.66E-08	1.47E-07	1.93E-07	7.24E-09	2.40E-08	3.12E-08	3.90E-09	1.11E-08	1.50E-08
4350	438131.35	3762404.76	4.76E-08	1.50E-07	1.97E-07	7.39E-09	2.45E-08	3.19E-08	3.98E-09	1.14E-08	1.53E-08
4351	438135.09	3762413.76	4.86E-08	1.53E-07	2.02E-07	7.55E-09	2.50E-08	3.25E-08	4.07E-09	1.16E-08	1.57E-08
4352	438138.83	3762422.75	4.96E-08	1.56E-07	2.06E-07	7.71E-09	2.55E-08	3.32E-08	4.15E-09	1.18E-08	1.60E-08
4353	438142.56	3762431.75	5.07E-08	1.60E-07	2.10E-07	7.88E-09	2.61E-08	3.39E-08	4.24E-09	1.21E-08	1.63E-08
4354	438146.3	3762440.74	5.18E-08	1.63E-07	2.15E-07	8.05E-09	2.66E-08	3.47E-08	4.33E-09	1.24E-08	1.67E-08
4355	438150.04	3762449.74	5.29E-08	1.67E-07	2.20E-07	8.23E-09	2.72E-08	3.55E-08	4.43E-09	1.26E-08	1.71E-08
4356	438153.77	3762458.74	5.41E-08	1.70E-07	2.25E-07	8.41E-09	2.78E-08	3.63E-08	4.53E-09	1.29E-08	1.74E-08
4357	438157.51	3762467.73	5.54E-08	1.74E-07	2.30E-07	8.60E-09	2.85E-08	3.71E-08	4.63E-09	1.32E-08	1.78E-08
4358	438161.25	3762476.73	5.66E-08	1.78E-07	2.35E-07	8.80E-09	2.91E-08	3.79E-08	4.74E-09	1.35E-08	1.83E-08
4359	438164.98	3762485.73	5.79E-08	1.82E-07	2.40E-07	9.00E-09	2.98E-08	3.88E-08	4.85E-09	1.38E-08	1.87E-08
4360	438168.72	3762494.72	5.92E-08	1.87E-07	2.46E-07	9.21E-09	3.05E-08	3.97E-08	4.96E-09	1.41E-08	1.91E-08
4361	438172.46	3762503.72	6.06E-08	1.91E-07	2.51E-07	9.42E-09	3.12E-08	4.06E-08	5.07E-09	1.45E-08	1.95E-08
4362	438176.19	3762512.72	6.20E-08	1.95E-07	2.57E-07	9.64E-09	3.19E-08	4.15E-08	5.19E-09	1.48E-08	2.00E-08
4363	438183.67	3762530.71	6.49E-08	2.04E-07	2.69E-07	1.01E-08	3.34E-08	4.35E-08	5.43E-09	1.55E-08	2.09E-08
4364	438187.4	3762539.7	6.64E-08	2.09E-07	2.76E-07	1.03E-08	3.42E-08	4.45E-08	5.56E-09	1.58E-08	2.14E-08
4365	438191.14	3762548.7	6.79E-08	2.14E-07	2.82E-07	1.06E-08	3.49E-08	4.55E-08	5.69E-09	1.62E-08	2.19E-08
4366	438194.87	3762557.7	6.95E-08	2.19E-07	2.88E-07	1.08E-08	3.57E-08	4.65E-08	5.81E-09	1.66E-08	2.24E-08
4367	438198.61	3762566.69	7.10E-08	2.24E-07	2.95E-07	1.10E-08	3.65E-08	4.76E-08	5.94E-09	1.69E-08	2.29E-08
4368	438202.35	3762575.69	7.26E-08	2.29E-07	3.01E-07	1.13E-08	3.73E-08	4.86E-08	6.07E-09	1.73E-08	2.34E-08
4369	438206.08	3762584.69	7.41E-08	2.33E-07	3.08E-07	1.15E-08	3.81E-08	4.97E-08	6.21E-09	1.77E-08	2.39E-08
4370	438221.03	3762620.67	8.04E-08	2.53E-07	3.34E-07	1.25E-08	4.14E-08	5.39E-08	6.73E-09	1.92E-08	2.59E-08
4371	438224.77	3762629.67	8.20E-08	2.58E-07	3.40E-07	1.27E-08	4.22E-08	5.49E-08	6.86E-09	1.96E-08	2.64E-08
4372	438228.5	3762638.66	8.35E-08	2.63E-07	3.47E-07	1.30E-08	4.30E-08	5.60E-08	6.99E-09	1.99E-08	2.69E-08
4373	438232.24	3762647.66	8.51E-08	2.68E-07	3.53E-07	1.32E-08	4.38E-08	5.70E-08	7.12E-09	2.03E-08	2.74E-08
4374	438235.98	3762656.66	8.66E-08	2.73E-07	3.59E-07	1.35E-08	4.45E-08	5.80E-08	7.25E-09	2.07E-08	2.79E-08
4375	438239.71	3762665.65	8.80E-08	2.77E-07	3.65E-07	1.37E-08	4.53E-08	5.90E-08	7.37E-09	2.10E-08	2.84E-08
4376	438047.51	3762106.59	2.47E-08	7.78E-08	1.02E-07	3.84E-09	1.27E-08	1.65E-08	2.07E-09	5.89E-09	7.96E-09
4377	438051.26	3762115.61	2.51E-08	7.92E-08	1.04E-07	3.91E-09	1.29E-08	1.68E-08	2.10E-09	6.00E-09	8.10E-09
4378	438062.49	3762142.66	2.65E-08	8.35E-08	1.10E-07	4.12E-09	1.36E-08	1.78E-08	2.22E-09	6.33E-09	8.54E-09
4379	438066.24	3762151.68	2.70E-08	8.50E-08	1.12E-07	4.19E-09	1.39E-08	1.81E-08	2.26E-09	6.44E-09	8.70E-09
4380	438069.98	3762160.69	2.75E-08	8.65E-08	1.14E-07	4.27E-09	1.41E-08	1.84E-08	2.30E-09	6.56E-09	8.86E-09
4381	438081.22	3762187.74	2.90E-08	9.13E-08	1.20E-07	4.51E-09	1.49E-08	1.94E-08	2.43E-09	6.92E-09	9.35E-09
4382	438084.96	3762196.76	2.95E-08	9.30E-08	1.23E-07	4.59E-09	1.52E-08	1.98E-08	2.47E-09	7.05E-09	9.52E-09
4383	438088.71	3762205.78	3.01E-08	9.47E-08	1.25E-07	4.67E-09	1.55E-08	2.01E-08	2.52E-09	7.17E-09	9.69E-09
4384	438092.45	3762214.79	3.06E-08	9.64E-08	1.27E-07	4.76E-09	1.57E-08	2.05E-08	2.56E-09	7.30E-09	9.87E-09
4385	438096.2	3762223.81	3.12E-08	9.81E-08	1.29E-07	4.84E-09	1.60E-08	2.09E-08	2.61E-09	7.43E-09	1.00E-08
4386	438099.94	3762232.83	3.17E-08	9.99E-08	1.32E-07	4.93E-09	1.63E-08	2.12E-08	2.65E-09	7.57E-09	1.02E-08
4387	438103.69	3762241.84	3.23E-08	1.02E-07	1.34E-07	5.02E-09	1.66E-08	2.16E-08	2.70E-09	7.70E-09	1.04E-08
4388	438107.43	3762250.86	3.28E-08	1.03E-07	1.36E-07	5.10E-09	1.69E-08	2.20E-08	2.75E-09	7.84E-09	1.06E-08

4389	438111.18	3762259.88	3.34E-08	1.05E-07	1.39E-07	5.19E-09	1.72E-08	2.24E-08	2.80E-09	7.98E-09	1.08E-08
4390	438114.92	3762268.89	3.40E-08	1.07E-07	1.41E-07	5.29E-09	1.75E-08	2.28E-08	2.85E-09	8.12E-09	1.10E-08
4391	438118.67	3762277.91	3.46E-08	1.09E-07	1.44E-07	5.38E-09	1.78E-08	2.32E-08	2.90E-09	8.26E-09	1.12E-08
4392	438122.41	3762286.93	3.52E-08	1.11E-07	1.46E-07	5.48E-09	1.81E-08	2.36E-08	2.95E-09	8.41E-09	1.14E-08
4393	438126.16	3762295.94	3.59E-08	1.13E-07	1.49E-07	5.57E-09	1.85E-08	2.40E-08	3.00E-09	8.56E-09	1.16E-08
4394	438129.9	3762304.96	3.65E-08	1.15E-07	1.51E-07	5.67E-09	1.88E-08	2.45E-08	3.06E-09	8.71E-09	1.18E-08
4395	438133.65	3762313.98	3.72E-08	1.17E-07	1.54E-07	5.77E-09	1.91E-08	2.49E-08	3.11E-09	8.87E-09	1.20E-08
4396	438137.39	3762322.99	3.78E-08	1.19E-07	1.57E-07	5.88E-09	1.95E-08	2.53E-08	3.17E-09	9.03E-09	1.22E-08
4397	438141.14	3762332.01	3.85E-08	1.21E-07	1.60E-07	5.98E-09	1.98E-08	2.58E-08	3.22E-09	9.19E-09	1.24E-08
4398	438144.88	3762341.03	3.92E-08	1.24E-07	1.63E-07	6.09E-09	2.02E-08	2.63E-08	3.28E-09	9.36E-09	1.26E-08
4399	438148.63	3762350.04	3.99E-08	1.26E-07	1.66E-07	6.21E-09	2.06E-08	2.68E-08	3.34E-09	9.53E-09	1.29E-08
4400	438152.37	3762359.06	4.07E-08	1.28E-07	1.69E-07	6.33E-09	2.09E-08	2.73E-08	3.41E-09	9.71E-09	1.31E-08
4401	438156.12	3762368.08	4.15E-08	1.31E-07	1.72E-07	6.45E-09	2.13E-08	2.78E-08	3.47E-09	9.90E-09	1.34E-08
4402	438159.86	3762377.1	4.23E-08	1.33E-07	1.75E-07	6.57E-09	2.18E-08	2.83E-08	3.54E-09	1.01E-08	1.36E-08
4403	438163.61	3762386.11	4.31E-08	1.36E-07	1.79E-07	6.70E-09	2.22E-08	2.89E-08	3.61E-09	1.03E-08	1.39E-08
4404	438167.35	3762395.13	4.40E-08	1.38E-07	1.82E-07	6.83E-09	2.26E-08	2.95E-08	3.68E-09	1.05E-08	1.42E-08
4405	438171.1	3762404.15	4.48E-08	1.41E-07	1.86E-07	6.97E-09	2.31E-08	3.00E-08	3.75E-09	1.07E-08	1.45E-08
4406	438174.84	3762413.16	4.58E-08	1.44E-07	1.90E-07	7.11E-09	2.35E-08	3.07E-08	3.83E-09	1.09E-08	1.47E-08
4407	438178.59	3762422.18	4.67E-08	1.47E-07	1.94E-07	7.26E-09	2.40E-08	3.13E-08	3.91E-09	1.11E-08	1.51E-08
4408	438182.33	3762431.2	4.77E-08	1.50E-07	1.98E-07	7.41E-09	2.45E-08	3.19E-08	3.99E-09	1.14E-08	1.54E-08
4409	438186.08	3762440.21	4.87E-08	1.53E-07	2.02E-07	7.56E-09	2.50E-08	3.26E-08	4.07E-09	1.16E-08	1.57E-08
4410	438189.82	3762449.23	4.97E-08	1.57E-07	2.06E-07	7.72E-09	2.56E-08	3.33E-08	4.16E-09	1.19E-08	1.60E-08
4411	438193.57	3762458.25	5.08E-08	1.60E-07	2.11E-07	7.89E-09	2.61E-08	3.40E-08	4.25E-09	1.21E-08	1.64E-08
4412	438197.31	3762467.26	5.19E-08	1.63E-07	2.15E-07	8.06E-09	2.67E-08	3.48E-08	4.34E-09	1.24E-08	1.67E-08
4413	438201.06	3762476.28	5.30E-08	1.67E-07	2.20E-07	8.24E-09	2.73E-08	3.55E-08	4.44E-09	1.27E-08	1.71E-08
4414	438204.8	3762485.3	5.42E-08	1.71E-07	2.25E-07	8.42E-09	2.79E-08	3.63E-08	4.53E-09	1.29E-08	1.75E-08
4415	438208.55	3762494.31	5.54E-08	1.74E-07	2.30E-07	8.60E-09	2.85E-08	3.71E-08	4.63E-09	1.32E-08	1.78E-08
4416	438223.53	3762530.38	6.04E-08	1.90E-07	2.51E-07	9.38E-09	3.11E-08	4.04E-08	5.05E-09	1.44E-08	1.95E-08
4417	438227.27	3762539.4	6.17E-08	1.94E-07	2.56E-07	9.59E-09	3.17E-08	4.13E-08	5.16E-09	1.47E-08	1.99E-08
4418	438231.02	3762548.41	6.30E-08	1.98E-07	2.61E-07	9.79E-09	3.24E-08	4.22E-08	5.27E-09	1.50E-08	2.03E-08
4419	438234.76	3762557.43	6.43E-08	2.03E-07	2.67E-07	1.00E-08	3.31E-08	4.31E-08	5.39E-09	1.54E-08	2.07E-08
4420	438238.51	3762566.45	6.57E-08	2.07E-07	2.73E-07	1.02E-08	3.38E-08	4.40E-08	5.50E-09	1.57E-08	2.12E-08
4421	438242.25	3762575.47	6.71E-08	2.11E-07	2.78E-07	1.04E-08	3.45E-08	4.49E-08	5.61E-09	1.60E-08	2.16E-08
4422	438246	3762584.48	6.84E-08	2.15E-07	2.84E-07	1.06E-08	3.52E-08	4.58E-08	5.73E-09	1.63E-08	2.21E-08
4423	437476.27	3761809.53	1.11E-08	3.48E-08	4.59E-08	1.72E-09	5.69E-09	7.41E-09	9.26E-10	2.64E-09	3.56E-09
4424	437485.32	3761813.25	1.12E-08	3.53E-08	4.65E-08	1.74E-09	5.76E-09	7.50E-09	9.38E-10	2.67E-09	3.61E-09
4425	437494.37	3761816.96	1.13E-08	3.57E-08	4.71E-08	1.76E-09	5.84E-09	7.60E-09	9.50E-10	2.71E-09	3.66E-09
4426	437503.42	3761820.68	1.15E-08	3.62E-08	4.77E-08	1.79E-09	5.91E-09	7.70E-09	9.62E-10	2.74E-09	3.70E-09
4427	437512.47	3761824.4	1.16E-08	3.67E-08	4.83E-08	1.81E-09	5.99E-09	7.80E-09	9.74E-10	2.78E-09	3.75E-09
4428	437521.52	3761828.12	1.18E-08	3.71E-08	4.89E-08	1.83E-09	6.07E-09	7.90E-09	9.87E-10	2.81E-09	3.80E-09
4429	438090.78	3762114.45	2.45E-08	7.70E-08	1.02E-07	3.80E-09	1.26E-08	1.64E-08	2.05E-09	5.84E-09	7.89E-09
4430	438094.53	3762123.49	2.49E-08	7.83E-08	1.03E-07	3.87E-09	1.28E-08	1.67E-08	2.08E-09	5.94E-09	8.02E-09
4431	438098.28	3762132.52	2.53E-08	7.97E-08	1.05E-07	3.93E-09	1.30E-08	1.70E-08	2.12E-09	6.04E-09	8.16E-09
4432	438109.54	3762159.63	2.66E-08	8.39E-08	1.11E-07	4.14E-09	1.37E-08	1.78E-08	2.23E-09	6.36E-09	8.58E-09
4433	438113.29	3762168.66	2.71E-08	8.53E-08	1.12E-07	4.21E-09	1.39E-08	1.81E-08	2.27E-09	6.46E-09	8.73E-09
4434	438117.05	3762177.7	2.75E-08	8.67E-08	1.14E-07	4.28E-09	1.42E-08	1.84E-08	2.31E-09	6.57E-09	8.88E-09
4435	438120.8	3762186.73	2.80E-08	8.82E-08	1.16E-07	4.35E-09	1.44E-08	1.88E-08	2.34E-09	6.68E-09	9.03E-09
4436	438124.55	3762195.77	2.85E-08	8.97E-08	1.18E-07	4.43E-09	1.47E-08	1.91E-08	2.38E-09	6.80E-09	9.18E-09
4437	438128.31	3762204.81	2.90E-08	9.12E-08	1.20E-07	4.50E-09	1.49E-08	1.94E-08	2.42E-09	6.91E-09	9.34E-09
4438	438132.06	3762213.84	2.95E-08	9.28E-08	1.22E-07	4.58E-09	1.52E-08	1.97E-08	2.47E-09	7.03E-09	9.49E-09
4439	438135.81	3762222.88	2.99E-08	9.43E-08	1.24E-07	4.65E-09	1.54E-08	2.01E-08	2.51E-09	7.15E-09	9.65E-09
4440	438139.56	3762231.91	3.04E-08	9.59E-08	1.26E-07	4.73E-09	1.57E-08	2.04E-08	2.55E-09	7.26E-09	9.81E-09
4441	438143.32	3762240.95	3.09E-08	9.75E-08	1.28E-07	4.81E-09	1.59E-08	2.07E-08	2.59E-09	7.39E-09	9.98E-09
4442	438147.07	3762249.98	3.15E-08	9.91E-08	1.31E-07	4.89E-09	1.62E-08	2.11E-08	2.63E-09	7.51E-09	1.01E-08
4443	438150.82	3762259.02	3.20E-08	1.01E-07	1.33E-07	4.97E-09	1.65E-08	2.14E-08	2.68E-09	7.63E-09	1.03E-08
4444	438154.57	3762268.05	3.25E-08	1.02E-07	1.35E-07	5.05E-09	1.67E-08	2.18E-08	2.72E-09	7.76E-09	1.05E-08
4445	438158.33	3762277.09	3.30E-08	1.04E-07	1.37E-07	5.13E-09	1.70E-08	2.21E-08	2.77E-09	7.89E-09	1.07E-08
4446	438162.08	3762286.12	3.36E-08	1.06E-07	1.39E-07	5.22E-09	1.73E-08	2.25E-08	2.81E-09	8.02E-09	1.08E-08
4447	438165.83	3762295.16	3.42E-08	1.08E-07	1.42E-07	5.31E-09	1.76E-08	2.29E-08	2.86E-09	8.15E-09	1.10E-08
4448	438169.59	3762304.2	3.47E-08	1.09E-07	1.44E-07	5.40E-09	1.79E-08	2.33E-08	2.91E-09	8.29E-09	1.12E-08
4449	438173.34	3762313.23	3.53E-08	1.11E-07	1.47E-07	5.49E-09	1.82E-08	2.37E-08	2.96E-09	8.43E-09	1.14E-08

4450	438177.09	3762322.27	3.60E-08	1.13E-07	1.49E-07	5.59E-09	1.85E-08	2.41E-08	3.01E-09	8.58E-09	1.16E-08
4451	438180.84	3762331.3	3.66E-08	1.15E-07	1.52E-07	5.68E-09	1.88E-08	2.45E-08	3.06E-09	8.73E-09	1.18E-08
4452	438184.6	3762340.34	3.72E-08	1.17E-07	1.54E-07	5.78E-09	1.91E-08	2.49E-08	3.12E-09	8.88E-09	1.20E-08
4453	438188.35	3762349.37	3.79E-08	1.19E-07	1.57E-07	5.89E-09	1.95E-08	2.54E-08	3.17E-09	9.04E-09	1.22E-08
4454	438192.1	3762358.41	3.86E-08	1.21E-07	1.60E-07	5.99E-09	1.98E-08	2.58E-08	3.23E-09	9.21E-09	1.24E-08
4455	438195.86	3762367.44	3.93E-08	1.24E-07	1.63E-07	6.10E-09	2.02E-08	2.63E-08	3.29E-09	9.37E-09	1.27E-08
4456	438199.61	3762376.48	4.00E-08	1.26E-07	1.66E-07	6.22E-09	2.06E-08	2.68E-08	3.35E-09	9.55E-09	1.29E-08
4457	438203.36	3762385.51	4.08E-08	1.28E-07	1.69E-07	6.34E-09	2.10E-08	2.73E-08	3.41E-09	9.73E-09	1.31E-08
4458	438207.11	3762394.55	4.16E-08	1.31E-07	1.72E-07	6.46E-09	2.14E-08	2.78E-08	3.48E-09	9.92E-09	1.34E-08
4459	438210.87	3762403.59	4.24E-08	1.33E-07	1.76E-07	6.58E-09	2.18E-08	2.84E-08	3.54E-09	1.01E-08	1.37E-08
4460	438214.62	3762412.62	4.32E-08	1.36E-07	1.79E-07	6.71E-09	2.22E-08	2.89E-08	3.61E-09	1.03E-08	1.39E-08
4461	438218.37	3762421.66	4.40E-08	1.39E-07	1.83E-07	6.84E-09	2.27E-08	2.95E-08	3.69E-09	1.05E-08	1.42E-08
4462	438222.12	3762430.69	4.49E-08	1.41E-07	1.86E-07	6.98E-09	2.31E-08	3.01E-08	3.76E-09	1.07E-08	1.45E-08
4463	438225.88	3762439.73	4.58E-08	1.44E-07	1.90E-07	7.12E-09	2.36E-08	3.07E-08	3.84E-09	1.09E-08	1.48E-08
4464	438229.63	3762448.76	4.68E-08	1.47E-07	1.94E-07	7.27E-09	2.41E-08	3.13E-08	3.91E-09	1.12E-08	1.51E-08
4465	438233.38	3762457.8	4.77E-08	1.50E-07	1.98E-07	7.42E-09	2.46E-08	3.20E-08	4.00E-09	1.14E-08	1.54E-08
4466	438237.14	3762466.83	4.87E-08	1.53E-07	2.02E-07	7.57E-09	2.51E-08	3.26E-08	4.08E-09	1.16E-08	1.57E-08
4467	438240.89	3762475.87	4.98E-08	1.57E-07	2.06E-07	7.73E-09	2.56E-08	3.33E-08	4.16E-09	1.19E-08	1.60E-08
4468	438244.64	3762484.91	5.08E-08	1.60E-07	2.11E-07	7.89E-09	2.61E-08	3.40E-08	4.25E-09	1.21E-08	1.64E-08
4469	438248.39	3762493.94	5.18E-08	1.63E-07	2.15E-07	8.06E-09	2.67E-08	3.47E-08	4.34E-09	1.24E-08	1.67E-08
4470	438300.93	3762620.44	6.81E-08	2.14E-07	2.82E-07	1.06E-08	3.50E-08	4.56E-08	5.70E-09	1.62E-08	2.19E-08
4471	438304.69	3762629.47	6.92E-08	2.18E-07	2.87E-07	1.08E-08	3.56E-08	4.64E-08	5.79E-09	1.65E-08	2.23E-08
4472	438308.44	3762638.51	7.04E-08	2.22E-07	2.92E-07	1.09E-08	3.62E-08	4.71E-08	5.89E-09	1.68E-08	2.27E-08
4473	438312.19	3762647.54	7.15E-08	2.25E-07	2.97E-07	1.11E-08	3.68E-08	4.79E-08	5.98E-09	1.71E-08	2.30E-08
4474	438315.94	3762656.58	7.26E-08	2.29E-07	3.01E-07	1.13E-08	3.74E-08	4.86E-08	6.08E-09	1.73E-08	2.34E-08
4475	438319.7	3762665.61	7.37E-08	2.32E-07	3.06E-07	1.15E-08	3.79E-08	4.94E-08	6.17E-09	1.76E-08	2.38E-08
4476	437476.18	3761769.56	1.03E-08	3.25E-08	4.28E-08	1.60E-09	5.31E-09	6.92E-09	8.64E-10	2.46E-09	3.33E-09
4477	437485.25	3761773.28	1.05E-08	3.29E-08	4.34E-08	1.62E-09	5.38E-09	7.00E-09	8.75E-10	2.50E-09	3.37E-09
4478	437494.32	3761777.01	1.06E-08	3.33E-08	4.39E-08	1.64E-09	5.45E-09	7.09E-09	8.86E-10	2.53E-09	3.41E-09
4479	437503.39	3761780.73	1.07E-08	3.38E-08	4.45E-08	1.67E-09	5.51E-09	7.18E-09	8.97E-10	2.56E-09	3.46E-09
4480	437512.45	3761784.46	1.09E-08	3.42E-08	4.50E-08	1.69E-09	5.58E-09	7.27E-09	9.08E-10	2.59E-09	3.50E-09
4481	437521.52	3761788.18	1.10E-08	3.46E-08	4.56E-08	1.71E-09	5.65E-09	7.36E-09	9.20E-10	2.62E-09	3.54E-09
4482	438126.58	3762104.34	2.34E-08	7.38E-08	9.73E-08	3.64E-09	1.21E-08	1.57E-08	1.96E-09	5.59E-09	7.56E-09
4483	438137.86	3762131.49	2.46E-08	7.74E-08	1.02E-07	3.82E-09	1.27E-08	1.65E-08	2.06E-09	5.87E-09	7.93E-09
4484	438141.62	3762140.55	2.50E-08	7.87E-08	1.04E-07	3.88E-09	1.29E-08	1.67E-08	2.09E-09	5.96E-09	8.05E-09
4485	438145.38	3762149.6	2.54E-08	7.99E-08	1.05E-07	3.94E-09	1.31E-08	1.70E-08	2.12E-09	6.06E-09	8.18E-09
4486	438149.14	3762158.65	2.58E-08	8.12E-08	1.07E-07	4.01E-09	1.33E-08	1.73E-08	2.16E-09	6.15E-09	8.31E-09
4487	438152.9	3762167.71	2.62E-08	8.25E-08	1.09E-07	4.07E-09	1.35E-08	1.75E-08	2.19E-09	6.25E-09	8.44E-09
4488	438156.66	3762176.76	2.66E-08	8.37E-08	1.10E-07	4.13E-09	1.37E-08	1.78E-08	2.23E-09	6.35E-09	8.57E-09
4489	438160.42	3762185.81	2.70E-08	8.51E-08	1.12E-07	4.20E-09	1.39E-08	1.81E-08	2.26E-09	6.45E-09	8.71E-09
4490	438164.18	3762194.86	2.74E-08	8.64E-08	1.14E-07	4.26E-09	1.41E-08	1.84E-08	2.30E-09	6.55E-09	8.85E-09
4491	438167.94	3762203.92	2.79E-08	8.78E-08	1.16E-07	4.33E-09	1.43E-08	1.87E-08	2.33E-09	6.65E-09	8.98E-09
4492	438171.7	3762212.97	2.83E-08	8.91E-08	1.17E-07	4.40E-09	1.46E-08	1.90E-08	2.37E-09	6.76E-09	9.12E-09
4493	438175.46	3762222.02	2.88E-08	9.05E-08	1.19E-07	4.47E-09	1.48E-08	1.93E-08	2.41E-09	6.86E-09	9.27E-09
4494	438179.22	3762231.07	2.92E-08	9.20E-08	1.21E-07	4.54E-09	1.50E-08	1.96E-08	2.44E-09	6.97E-09	9.41E-09
4495	438182.98	3762240.13	2.97E-08	9.34E-08	1.23E-07	4.61E-09	1.53E-08	1.99E-08	2.48E-09	7.08E-09	9.56E-09
4496	438186.74	3762249.18	3.01E-08	9.49E-08	1.25E-07	4.68E-09	1.55E-08	2.02E-08	2.52E-09	7.19E-09	9.71E-09
4497	438190.49	3762258.23	3.06E-08	9.64E-08	1.27E-07	4.75E-09	1.57E-08	2.05E-08	2.56E-09	7.30E-09	9.86E-09
4498	438194.25	3762267.28	3.11E-08	9.79E-08	1.29E-07	4.83E-09	1.60E-08	2.08E-08	2.60E-09	7.42E-09	1.00E-08
4499	438198.01	3762276.34	3.16E-08	9.94E-08	1.31E-07	4.91E-09	1.62E-08	2.11E-08	2.64E-09	7.53E-09	1.02E-08
4500	438201.77	3762285.39	3.21E-08	1.01E-07	1.33E-07	4.98E-09	1.65E-08	2.15E-08	2.68E-09	7.65E-09	1.03E-08
4501	438205.53	3762294.44	3.26E-08	1.03E-07	1.35E-07	5.06E-09	1.68E-08	2.18E-08	2.73E-09	7.78E-09	1.05E-08
4502	438209.29	3762303.49	3.31E-08	1.04E-07	1.37E-07	5.15E-09	1.70E-08	2.22E-08	2.77E-09	7.90E-09	1.07E-08
4503	438213.05	3762312.55	3.37E-08	1.06E-07	1.40E-07	5.23E-09	1.73E-08	2.25E-08	2.82E-09	8.03E-09	1.09E-08
4504	438216.81	3762321.6	3.42E-08	1.08E-07	1.42E-07	5.32E-09	1.76E-08	2.29E-08	2.86E-09	8.16E-09	1.10E-08
4505	438220.57	3762330.65	3.48E-08	1.10E-07	1.44E-07	5.41E-09	1.79E-08	2.33E-08	2.91E-09	8.30E-09	1.12E-08
4506	438224.33	3762339.7	3.54E-08	1.11E-07	1.47E-07	5.50E-09	1.82E-08	2.37E-08	2.96E-09	8.44E-09	1.14E-08
4507	438228.09	3762348.76	3.60E-08	1.13E-07	1.49E-07	5.59E-09	1.85E-08	2.41E-08	3.01E-09	8.59E-09	1.16E-08
4508	438231.85	3762357.81	3.66E-08	1.15E-07	1.52E-07	5.69E-09	1.88E-08	2.45E-08	3.06E-09	8.74E-09	1.18E-08
4509	438235.61	3762366.86	3.73E-08	1.17E-07	1.55E-07	5.79E-09	1.92E-08	2.50E-08	3.12E-09	8.89E-09	1.20E-08
4510	438239.37	3762375.91	3.79E-08	1.19E-07	1.57E-07	5.89E-09	1.95E-08	2.54E-08	3.17E-09	9.05E-09	1.22E-08

4511	438243.13	3762384.97	3.86E-08	1.22E-07	1.60E-07	6.00E-09	1.99E-08	2.59E-08	3.23E-09	9.22E-09	1.24E-08
4512	438246.89	3762394.02	3.93E-08	1.24E-07	1.63E-07	6.11E-09	2.02E-08	2.63E-08	3.29E-09	9.39E-09	1.27E-08
4513	438250.65	3762403.07	4.01E-08	1.26E-07	1.66E-07	6.23E-09	2.06E-08	2.68E-08	3.35E-09	9.56E-09	1.29E-08
4514	438254.41	3762412.12	4.08E-08	1.29E-07	1.69E-07	6.34E-09	2.10E-08	2.74E-08	3.42E-09	9.74E-09	1.32E-08
4515	438258.17	3762421.18	4.16E-08	1.31E-07	1.73E-07	6.47E-09	2.14E-08	2.79E-08	3.48E-09	9.93E-09	1.34E-08
4516	438261.93	3762430.23	4.24E-08	1.34E-07	1.76E-07	6.59E-09	2.18E-08	2.84E-08	3.55E-09	1.01E-08	1.37E-08
4517	438265.69	3762439.28	4.33E-08	1.36E-07	1.79E-07	6.72E-09	2.23E-08	2.90E-08	3.62E-09	1.03E-08	1.39E-08
4518	438269.45	3762448.34	4.41E-08	1.39E-07	1.83E-07	6.85E-09	2.27E-08	2.95E-08	3.69E-09	1.05E-08	1.42E-08
4519	438273.21	3762457.39	4.50E-08	1.42E-07	1.87E-07	6.99E-09	2.31E-08	3.01E-08	3.76E-09	1.07E-08	1.45E-08
4520	438276.97	3762466.44	4.59E-08	1.44E-07	1.90E-07	7.13E-09	2.36E-08	3.07E-08	3.84E-09	1.09E-08	1.48E-08
4521	438280.73	3762475.49	4.68E-08	1.47E-07	1.94E-07	7.27E-09	2.41E-08	3.13E-08	3.91E-09	1.12E-08	1.51E-08
4522	438284.49	3762484.55	4.77E-08	1.50E-07	1.98E-07	7.41E-09	2.45E-08	3.20E-08	3.99E-09	1.14E-08	1.54E-08
4523	438288.25	3762493.6	4.86E-08	1.53E-07	2.02E-07	7.56E-09	2.50E-08	3.26E-08	4.07E-09	1.16E-08	1.57E-08
4524	438303.29	3762529.81	5.26E-08	1.66E-07	2.18E-07	8.17E-09	2.71E-08	3.52E-08	4.40E-09	1.25E-08	1.69E-08
4525	438307.05	3762538.86	5.36E-08	1.69E-07	2.22E-07	8.33E-09	2.76E-08	3.59E-08	4.49E-09	1.28E-08	1.73E-08
4526	438310.81	3762547.91	5.46E-08	1.72E-07	2.27E-07	8.49E-09	2.81E-08	3.66E-08	4.57E-09	1.30E-08	1.76E-08
4527	438314.57	3762556.97	5.57E-08	1.75E-07	2.31E-07	8.65E-09	2.86E-08	3.73E-08	4.66E-09	1.33E-08	1.79E-08
4528	438318.33	3762566.02	5.67E-08	1.79E-07	2.35E-07	8.81E-09	2.92E-08	3.80E-08	4.75E-09	1.35E-08	1.83E-08
4529	438322.09	3762575.07	5.77E-08	1.82E-07	2.40E-07	8.97E-09	2.97E-08	3.87E-08	4.83E-09	1.38E-08	1.86E-08
4530	438325.85	3762584.12	5.88E-08	1.85E-07	2.44E-07	9.13E-09	3.02E-08	3.94E-08	4.92E-09	1.40E-08	1.89E-08
4531	438329.61	3762593.18	5.98E-08	1.88E-07	2.48E-07	9.29E-09	3.08E-08	4.01E-08	5.01E-09	1.43E-08	1.93E-08
4532	438340.89	3762620.33	6.29E-08	1.98E-07	2.61E-07	9.77E-09	3.24E-08	4.21E-08	5.26E-09	1.50E-08	2.03E-08
4533	438344.65	3762629.39	6.39E-08	2.01E-07	2.65E-07	9.93E-09	3.29E-08	4.28E-08	5.35E-09	1.53E-08	2.06E-08
4534	438348.41	3762638.44	6.49E-08	2.04E-07	2.69E-07	1.01E-08	3.34E-08	4.35E-08	5.44E-09	1.55E-08	2.09E-08
4535	438128.5	3762012.66	1.96E-08	6.18E-08	8.15E-08	3.05E-09	1.01E-08	1.32E-08	1.64E-09	4.69E-09	6.33E-09
4536	438132.27	3762021.73	1.99E-08	6.28E-08	8.27E-08	3.10E-09	1.03E-08	1.34E-08	1.67E-09	4.76E-09	6.42E-09
4537	438136.03	3762030.8	2.02E-08	6.37E-08	8.40E-08	3.14E-09	1.04E-08	1.36E-08	1.69E-09	4.83E-09	6.52E-09
4538	438166.16	3762103.35	2.28E-08	7.19E-08	9.47E-08	3.55E-09	1.17E-08	1.53E-08	1.91E-09	5.45E-09	7.36E-09
4539	438169.93	3762112.41	2.32E-08	7.29E-08	9.61E-08	3.60E-09	1.19E-08	1.55E-08	1.94E-09	5.53E-09	7.47E-09
4540	438173.7	3762121.48	2.35E-08	7.40E-08	9.75E-08	3.65E-09	1.21E-08	1.57E-08	1.97E-09	5.61E-09	7.58E-09
4541	438177.46	3762130.55	2.39E-08	7.51E-08	9.90E-08	3.71E-09	1.23E-08	1.60E-08	2.00E-09	5.69E-09	7.69E-09
4542	438181.23	3762139.62	2.42E-08	7.62E-08	1.00E-07	3.76E-09	1.25E-08	1.62E-08	2.03E-09	5.78E-09	7.80E-09
4543	438185	3762148.69	2.46E-08	7.74E-08	1.02E-07	3.82E-09	1.26E-08	1.65E-08	2.06E-09	5.86E-09	7.92E-09
4544	438188.76	3762157.76	2.49E-08	7.85E-08	1.03E-07	3.87E-09	1.28E-08	1.67E-08	2.09E-09	5.95E-09	8.03E-09
4545	438192.53	3762166.82	2.53E-08	7.96E-08	1.05E-07	3.93E-09	1.30E-08	1.69E-08	2.12E-09	6.03E-09	8.15E-09
4546	438196.3	3762175.89	2.57E-08	8.08E-08	1.06E-07	3.99E-09	1.32E-08	1.72E-08	2.15E-09	6.12E-09	8.27E-09
4547	438200.06	3762184.96	2.60E-08	8.20E-08	1.08E-07	4.05E-09	1.34E-08	1.74E-08	2.18E-09	6.21E-09	8.39E-09
4548	438203.83	3762194.03	2.64E-08	8.32E-08	1.10E-07	4.10E-09	1.36E-08	1.77E-08	2.21E-09	6.30E-09	8.52E-09
4549	438207.6	3762203.1	2.68E-08	8.44E-08	1.11E-07	4.17E-09	1.38E-08	1.80E-08	2.24E-09	6.40E-09	8.64E-09
4550	438211.36	3762212.17	2.72E-08	8.57E-08	1.13E-07	4.23E-09	1.40E-08	1.82E-08	2.28E-09	6.49E-09	8.77E-09
4551	438215.13	3762221.23	2.76E-08	8.69E-08	1.15E-07	4.29E-09	1.42E-08	1.85E-08	2.31E-09	6.59E-09	8.90E-09
4552	438218.89	3762230.3	2.80E-08	8.82E-08	1.16E-07	4.35E-09	1.44E-08	1.88E-08	2.34E-09	6.68E-09	9.03E-09
4553	438222.66	3762239.37	2.84E-08	8.95E-08	1.18E-07	4.42E-09	1.46E-08	1.90E-08	2.38E-09	6.78E-09	9.16E-09
4554	438226.43	3762248.44	2.89E-08	9.09E-08	1.20E-07	4.48E-09	1.48E-08	1.93E-08	2.41E-09	6.88E-09	9.30E-09
4555	438230.19	3762257.51	2.93E-08	9.22E-08	1.21E-07	4.55E-09	1.51E-08	1.96E-08	2.45E-09	6.99E-09	9.44E-09
4556	438233.96	3762266.58	2.97E-08	9.36E-08	1.23E-07	4.62E-09	1.53E-08	1.99E-08	2.49E-09	7.09E-09	9.58E-09
4557	438237.73	3762275.64	3.02E-08	9.50E-08	1.25E-07	4.69E-09	1.55E-08	2.02E-08	2.52E-09	7.20E-09	9.72E-09
4558	438241.49	3762284.71	3.06E-08	9.64E-08	1.27E-07	4.76E-09	1.58E-08	2.05E-08	2.56E-09	7.31E-09	9.87E-09
4559	438245.26	3762293.78	3.11E-08	9.79E-08	1.29E-07	4.83E-09	1.60E-08	2.08E-08	2.60E-09	7.42E-09	1.00E-08
4560	438249.03	3762302.85	3.16E-08	9.95E-08	1.31E-07	4.91E-09	1.62E-08	2.12E-08	2.64E-09	7.54E-09	1.02E-08
4561	438252.79	3762311.92	3.21E-08	1.01E-07	1.33E-07	4.98E-09	1.65E-08	2.15E-08	2.69E-09	7.66E-09	1.03E-08
4562	438256.56	3762320.99	3.26E-08	1.03E-07	1.35E-07	5.06E-09	1.68E-08	2.18E-08	2.73E-09	7.78E-09	1.05E-08
4563	438260.33	3762330.05	3.31E-08	1.04E-07	1.37E-07	5.15E-09	1.70E-08	2.22E-08	2.77E-09	7.90E-09	1.07E-08
4564	438264.09	3762339.12	3.37E-08	1.06E-07	1.40E-07	5.23E-09	1.73E-08	2.25E-08	2.82E-09	8.03E-09	1.09E-08
4565	438267.86	3762348.19	3.42E-08	1.08E-07	1.42E-07	5.32E-09	1.76E-08	2.29E-08	2.86E-09	8.17E-09	1.10E-08
4566	438271.62	3762357.26	3.48E-08	1.10E-07	1.44E-07	5.41E-09	1.79E-08	2.33E-08	2.91E-09	8.31E-09	1.12E-08
4567	438275.39	3762366.33	3.54E-08	1.11E-07	1.47E-07	5.50E-09	1.82E-08	2.37E-08	2.96E-09	8.45E-09	1.14E-08
4568	438279.16	3762375.4	3.60E-08	1.13E-07	1.49E-07	5.60E-09	1.85E-08	2.41E-08	3.01E-09	8.59E-09	1.16E-08
4569	438282.92	3762384.46	3.67E-08	1.15E-07	1.52E-07	5.70E-09	1.89E-08	2.46E-08	3.07E-09	8.75E-09	1.18E-08
4570	438286.69	3762393.53	3.73E-08	1.18E-07	1.55E-07	5.80E-09	1.92E-08	2.50E-08	3.12E-09	8.90E-09	1.20E-08
4571	438290.46	3762402.6	3.80E-08	1.20E-07	1.58E-07	5.90E-09	1.95E-08	2.54E-08	3.18E-09	9.07E-09	1.22E-08

4572	438294.22	3762411.67	3.87E-08	1.22E-07	1.61E-07	6.01E-09	1.99E-08	2.59E-08	3.24E-09	9.23E-09	1.25E-08
4573	438297.99	3762420.74	3.94E-08	1.24E-07	1.63E-07	6.12E-09	2.03E-08	2.64E-08	3.30E-09	9.40E-09	1.27E-08
4574	438301.76	3762429.81	4.01E-08	1.26E-07	1.67E-07	6.24E-09	2.06E-08	2.69E-08	3.36E-09	9.58E-09	1.29E-08
4575	438313.06	3762457.01	4.24E-08	1.34E-07	1.76E-07	6.60E-09	2.18E-08	2.84E-08	3.55E-09	1.01E-08	1.37E-08
4576	438316.82	3762466.08	4.33E-08	1.36E-07	1.79E-07	6.72E-09	2.23E-08	2.90E-08	3.62E-09	1.03E-08	1.39E-08
4577	438320.59	3762475.15	4.41E-08	1.39E-07	1.83E-07	6.85E-09	2.27E-08	2.95E-08	3.69E-09	1.05E-08	1.42E-08
4578	438324.35	3762484.22	4.49E-08	1.41E-07	1.86E-07	6.98E-09	2.31E-08	3.01E-08	3.76E-09	1.07E-08	1.45E-08
4579	438328.12	3762493.28	4.58E-08	1.44E-07	1.90E-07	7.11E-09	2.35E-08	3.07E-08	3.83E-09	1.09E-08	1.47E-08
4580	438331.89	3762502.35	4.66E-08	1.47E-07	1.93E-07	7.24E-09	2.40E-08	3.12E-08	3.90E-09	1.11E-08	1.50E-08
4581	438343.19	3762529.56	4.93E-08	1.55E-07	2.04E-07	7.65E-09	2.53E-08	3.30E-08	4.12E-09	1.18E-08	1.59E-08
4582	438346.95	3762538.63	5.02E-08	1.58E-07	2.08E-07	7.79E-09	2.58E-08	3.36E-08	4.20E-09	1.20E-08	1.62E-08
4583	438350.72	3762547.69	5.11E-08	1.61E-07	2.12E-07	7.93E-09	2.63E-08	3.42E-08	4.27E-09	1.22E-08	1.65E-08
4584	438388.38	3762638.38	6.01E-08	1.89E-07	2.49E-07	9.34E-09	3.09E-08	4.03E-08	5.03E-09	1.43E-08	1.94E-08
4585	438392.15	3762647.45	6.10E-08	1.92E-07	2.53E-07	9.47E-09	3.14E-08	4.08E-08	5.10E-09	1.46E-08	1.97E-08
4586	438395.92	3762656.51	6.18E-08	1.95E-07	2.57E-07	9.61E-09	3.18E-08	4.14E-08	5.17E-09	1.48E-08	1.99E-08
4587	438399.68	3762665.58	6.26E-08	1.97E-07	2.60E-07	9.73E-09	3.22E-08	4.20E-08	5.24E-09	1.49E-08	2.02E-08
4588	438156.74	3761984.35	1.84E-08	5.80E-08	7.64E-08	2.86E-09	9.48E-09	1.23E-08	1.54E-09	4.40E-09	5.94E-09
4589	438160.51	3761993.44	1.87E-08	5.89E-08	7.76E-08	2.90E-09	9.62E-09	1.25E-08	1.56E-09	4.46E-09	6.03E-09
4590	438164.29	3762002.52	1.90E-08	5.97E-08	7.87E-08	2.95E-09	9.76E-09	1.27E-08	1.59E-09	4.52E-09	6.11E-09
4591	438175.6	3762029.77	1.98E-08	6.23E-08	8.21E-08	3.07E-09	1.02E-08	1.33E-08	1.66E-09	4.72E-09	6.38E-09
4592	438179.38	3762038.85	2.01E-08	6.32E-08	8.33E-08	3.12E-09	1.03E-08	1.34E-08	1.68E-09	4.79E-09	6.47E-09
4593	438205.78	3762102.43	2.22E-08	6.98E-08	9.20E-08	3.44E-09	1.14E-08	1.48E-08	1.86E-09	5.29E-09	7.15E-09
4594	438209.56	3762111.51	2.25E-08	7.08E-08	9.33E-08	3.49E-09	1.16E-08	1.51E-08	1.88E-09	5.36E-09	7.25E-09
4595	438213.33	3762120.6	2.28E-08	7.18E-08	9.46E-08	3.54E-09	1.17E-08	1.53E-08	1.91E-09	5.44E-09	7.35E-09
4596	438217.1	3762129.68	2.31E-08	7.28E-08	9.59E-08	3.59E-09	1.19E-08	1.55E-08	1.93E-09	5.52E-09	7.45E-09
4597	438220.87	3762138.76	2.34E-08	7.38E-08	9.72E-08	3.64E-09	1.21E-08	1.57E-08	1.96E-09	5.59E-09	7.55E-09
4598	438224.65	3762147.84	2.38E-08	7.48E-08	9.86E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.67E-09	7.66E-09
4599	438228.42	3762156.93	2.41E-08	7.58E-08	9.99E-08	3.74E-09	1.24E-08	1.61E-08	2.02E-09	5.75E-09	7.76E-09
4600	438232.19	3762166.01	2.44E-08	7.69E-08	1.01E-07	3.79E-09	1.26E-08	1.64E-08	2.04E-09	5.83E-09	7.87E-09
4601	438235.96	3762175.09	2.48E-08	7.79E-08	1.03E-07	3.85E-09	1.27E-08	1.66E-08	2.07E-09	5.91E-09	7.98E-09
4602	438239.74	3762184.18	2.51E-08	7.90E-08	1.04E-07	3.90E-09	1.29E-08	1.68E-08	2.10E-09	5.99E-09	8.09E-09
4603	438243.51	3762193.26	2.54E-08	8.01E-08	1.06E-07	3.95E-09	1.31E-08	1.70E-08	2.13E-09	6.07E-09	8.20E-09
4604	438247.28	3762202.34	2.58E-08	8.12E-08	1.07E-07	4.01E-09	1.33E-08	1.73E-08	2.16E-09	6.15E-09	8.31E-09
4605	438251.05	3762211.42	2.61E-08	8.23E-08	1.08E-07	4.06E-09	1.35E-08	1.75E-08	2.19E-09	6.24E-09	8.43E-09
4606	438254.83	3762220.51	2.65E-08	8.35E-08	1.10E-07	4.12E-09	1.36E-08	1.78E-08	2.22E-09	6.33E-09	8.55E-09
4607	438258.6	3762229.59	2.69E-08	8.47E-08	1.12E-07	4.18E-09	1.38E-08	1.80E-08	2.25E-09	6.42E-09	8.67E-09
4608	438262.37	3762238.67	2.73E-08	8.59E-08	1.13E-07	4.24E-09	1.40E-08	1.83E-08	2.28E-09	6.51E-09	8.79E-09
4609	438266.14	3762247.76	2.77E-08	8.71E-08	1.15E-07	4.30E-09	1.42E-08	1.85E-08	2.31E-09	6.60E-09	8.91E-09
4610	438269.92	3762256.84	2.81E-08	8.83E-08	1.16E-07	4.36E-09	1.44E-08	1.88E-08	2.35E-09	6.69E-09	9.04E-09
4611	438273.69	3762265.92	2.85E-08	8.96E-08	1.18E-07	4.42E-09	1.46E-08	1.91E-08	2.38E-09	6.79E-09	9.17E-09
4612	438277.46	3762275	2.89E-08	9.09E-08	1.20E-07	4.48E-09	1.48E-08	1.93E-08	2.42E-09	6.89E-09	9.30E-09
4613	438281.23	3762284.09	2.93E-08	9.22E-08	1.21E-07	4.55E-09	1.51E-08	1.96E-08	2.45E-09	6.99E-09	9.44E-09
4614	438285.01	3762293.17	2.97E-08	9.36E-08	1.23E-07	4.62E-09	1.53E-08	1.99E-08	2.49E-09	7.09E-09	9.58E-09
4615	438288.78	3762302.25	3.02E-08	9.50E-08	1.25E-07	4.69E-09	1.55E-08	2.02E-08	2.52E-09	7.20E-09	9.72E-09
4616	438292.55	3762311.34	3.06E-08	9.64E-08	1.27E-07	4.76E-09	1.58E-08	2.05E-08	2.56E-09	7.31E-09	9.87E-09
4617	438296.32	3762320.42	3.11E-08	9.79E-08	1.29E-07	4.83E-09	1.60E-08	2.08E-08	2.60E-09	7.42E-09	1.00E-08
4618	438300.1	3762329.5	3.16E-08	9.94E-08	1.31E-07	4.91E-09	1.62E-08	2.12E-08	2.64E-09	7.53E-09	1.02E-08
4619	438303.87	3762338.58	3.21E-08	1.01E-07	1.33E-07	4.98E-09	1.65E-08	2.15E-08	2.69E-09	7.66E-09	1.03E-08
4620	438307.64	3762347.67	3.26E-08	1.03E-07	1.35E-07	5.07E-09	1.68E-08	2.18E-08	2.73E-09	7.78E-09	1.05E-08
4621	438311.41	3762356.75	3.31E-08	1.04E-07	1.37E-07	5.15E-09	1.70E-08	2.22E-08	2.77E-09	7.91E-09	1.07E-08
4622	438326.5	3762393.08	3.55E-08	1.12E-07	1.47E-07	5.51E-09	1.82E-08	2.37E-08	2.97E-09	8.46E-09	1.14E-08
4623	438330.28	3762402.16	3.61E-08	1.14E-07	1.50E-07	5.61E-09	1.86E-08	2.42E-08	3.02E-09	8.61E-09	1.16E-08
4624	438334.05	3762411.25	3.67E-08	1.16E-07	1.52E-07	5.70E-09	1.89E-08	2.46E-08	3.07E-09	8.76E-09	1.18E-08
4625	438337.82	3762420.33	3.74E-08	1.18E-07	1.55E-07	5.81E-09	1.92E-08	2.50E-08	3.13E-09	8.92E-09	1.20E-08
4626	438341.59	3762429.41	3.80E-08	1.20E-07	1.58E-07	5.91E-09	1.96E-08	2.55E-08	3.18E-09	9.08E-09	1.23E-08
4627	438352.91	3762456.66	4.01E-08	1.26E-07	1.67E-07	6.24E-09	2.06E-08	2.69E-08	3.36E-09	9.58E-09	1.29E-08
4628	438390.64	3762547.49	4.79E-08	1.51E-07	1.99E-07	7.44E-09	2.46E-08	3.21E-08	4.01E-09	1.14E-08	1.54E-08
4629	438394.41	3762556.57	4.87E-08	1.53E-07	2.02E-07	7.56E-09	2.50E-08	3.26E-08	4.07E-09	1.16E-08	1.57E-08
4630	438398.18	3762565.66	4.95E-08	1.56E-07	2.05E-07	7.69E-09	2.55E-08	3.31E-08	4.14E-09	1.18E-08	1.59E-08
4631	438401.95	3762574.74	5.03E-08	1.58E-07	2.09E-07	7.81E-09	2.59E-08	3.37E-08	4.21E-09	1.20E-08	1.62E-08
4632	438405.73	3762583.82	5.11E-08	1.61E-07	2.12E-07	7.94E-09	2.63E-08	3.42E-08	4.27E-09	1.22E-08	1.65E-08

4633	438409.5	3762592.9	5.19E-08	1.63E-07	2.15E-07	8.06E-09	2.67E-08	3.47E-08	4.34E-09	1.24E-08	1.67E-08
4634	438413.27	3762601.99	5.27E-08	1.66E-07	2.18E-07	8.18E-09	2.71E-08	3.53E-08	4.41E-09	1.26E-08	1.70E-08
4635	438417.04	3762611.07	5.35E-08	1.68E-07	2.22E-07	8.31E-09	2.75E-08	3.58E-08	4.47E-09	1.28E-08	1.72E-08
4636	438420.82	3762620.15	5.42E-08	1.71E-07	2.25E-07	8.43E-09	2.79E-08	3.63E-08	4.54E-09	1.29E-08	1.75E-08
4637	438424.59	3762629.24	5.50E-08	1.73E-07	2.28E-07	8.55E-09	2.83E-08	3.69E-08	4.61E-09	1.31E-08	1.77E-08
4638	438428.36	3762638.32	5.58E-08	1.76E-07	2.31E-07	8.67E-09	2.87E-08	3.74E-08	4.67E-09	1.33E-08	1.80E-08
4639	438432.13	3762647.4	5.65E-08	1.78E-07	2.35E-07	8.79E-09	2.91E-08	3.79E-08	4.73E-09	1.35E-08	1.82E-08
4640	438435.91	3762656.48	5.73E-08	1.80E-07	2.38E-07	8.90E-09	2.95E-08	3.84E-08	4.79E-09	1.37E-08	1.85E-08
4641	438439.68	3762665.57	5.80E-08	1.83E-07	2.41E-07	9.01E-09	2.98E-08	3.89E-08	4.86E-09	1.38E-08	1.87E-08
4642	437383.98	3762674.84	9.34E-07	2.94E-06	3.88E-06	1.45E-07	4.81E-07	6.26E-07	7.82E-08	2.23E-07	3.01E-07
4643	437383.98	3762690.76	1.31E-06	4.12E-06	5.43E-06	2.03E-07	6.73E-07	8.76E-07	1.09E-07	3.12E-07	4.22E-07
4644	437376.9	3762667.78	7.77E-07	2.45E-06	3.22E-06	1.21E-07	4.00E-07	5.20E-07	6.50E-08	1.85E-07	2.50E-07
4645	437373.98	3762682.8	9.98E-07	3.14E-06	4.14E-06	1.55E-07	5.14E-07	6.69E-07	8.36E-08	2.38E-07	3.22E-07
4646	437366.9	3762667.78	7.16E-07	2.26E-06	2.97E-06	1.11E-07	3.69E-07	4.80E-07	6.00E-08	1.71E-07	2.31E-07
4647	437379.77	3762650.73	6.03E-07	1.90E-06	2.50E-06	9.37E-08	3.10E-07	4.04E-07	5.05E-08	1.44E-07	1.94E-07
4648	437363.98	3762682.8	9.02E-07	2.84E-06	3.74E-06	1.40E-07	4.64E-07	6.04E-07	7.55E-08	2.15E-07	2.91E-07
4649	437356.9	3762667.78	6.58E-07	2.07E-06	2.73E-06	1.02E-07	3.39E-07	4.41E-07	5.51E-08	1.57E-07	2.12E-07
4650	437362.73	3762653.67	5.61E-07	1.77E-06	2.33E-06	8.72E-08	2.89E-07	3.76E-07	4.70E-08	1.34E-07	1.81E-07
4651	437372.69	3762643.67	5.21E-07	1.64E-06	2.16E-06	8.09E-08	2.68E-07	3.49E-07	4.36E-08	1.24E-07	1.68E-07
4652	437353.98	3762682.8	8.11E-07	2.55E-06	3.37E-06	1.26E-07	4.17E-07	5.43E-07	6.79E-08	1.94E-07	2.61E-07
4653	437353.98	3762698.72	1.07E-06	3.37E-06	4.44E-06	1.66E-07	5.51E-07	7.18E-07	8.97E-08	2.56E-07	3.45E-07
4654	437346.9	3762667.78	6.04E-07	1.90E-06	2.51E-06	9.38E-08	3.11E-07	4.04E-07	5.05E-08	1.44E-07	1.95E-07
4655	437352.73	3762653.67	5.22E-07	1.65E-06	2.17E-06	8.12E-08	2.69E-07	3.50E-07	4.37E-08	1.25E-07	1.68E-07
4656	437365.6	3762636.61	4.55E-07	1.43E-06	1.89E-06	7.07E-08	2.34E-07	3.05E-07	3.81E-08	1.09E-07	1.47E-07
4657	437379.7	3762630.73	4.55E-07	1.43E-06	1.89E-06	7.07E-08	2.34E-07	3.05E-07	3.81E-08	1.09E-07	1.47E-07
4658	437343.98	3762682.8	7.29E-07	2.29E-06	3.02E-06	1.13E-07	3.75E-07	4.88E-07	6.10E-08	1.74E-07	2.35E-07
4659	437343.98	3762698.72	9.31E-07	2.93E-06	3.86E-06	1.45E-07	4.79E-07	6.23E-07	7.79E-08	2.22E-07	3.00E-07
4660	437336.9	3762667.78	5.53E-07	1.74E-06	2.29E-06	8.59E-08	2.85E-07	3.70E-07	4.63E-08	1.32E-07	1.78E-07
4661	437342.73	3762653.67	4.86E-07	1.53E-06	2.02E-06	7.55E-08	2.50E-07	3.25E-07	4.07E-08	1.16E-07	1.57E-07
4662	437348.56	3762639.55	4.26E-07	1.34E-06	1.77E-06	6.62E-08	2.19E-07	2.85E-07	3.56E-08	1.02E-07	1.37E-07
4663	437358.52	3762629.55	4.01E-07	1.26E-06	1.66E-06	6.23E-08	2.06E-07	2.68E-07	3.35E-08	9.56E-08	1.29E-07
4664	437372.61	3762623.67	4.02E-07	1.26E-06	1.67E-06	6.24E-08	2.07E-07	2.69E-07	3.36E-08	9.58E-08	1.29E-07
4665	437333.98	3762682.8	6.53E-07	2.06E-06	2.71E-06	1.01E-07	3.36E-07	4.38E-07	5.47E-08	1.56E-07	2.11E-07
4666	437326.9	3762667.78	5.06E-07	1.59E-06	2.10E-06	7.86E-08	2.60E-07	3.39E-07	4.23E-08	1.21E-07	1.63E-07
4667	437332.73	3762653.67	4.51E-07	1.42E-06	1.87E-06	7.00E-08	2.32E-07	3.02E-07	3.77E-08	1.08E-07	1.45E-07
4668	437338.56	3762639.55	4.00E-07	1.26E-06	1.66E-06	6.21E-08	2.06E-07	2.68E-07	3.35E-08	9.54E-08	1.29E-07
4669	437351.43	3762622.5	3.56E-07	1.12E-06	1.48E-06	5.53E-08	1.83E-07	2.38E-07	2.98E-08	8.49E-08	1.15E-07
4670	437365.53	3762616.61	3.57E-07	1.12E-06	1.48E-06	5.55E-08	1.84E-07	2.39E-07	2.99E-08	8.52E-08	1.15E-07
4671	437379.62	3762610.73	3.56E-07	1.12E-06	1.48E-06	5.52E-08	1.83E-07	2.38E-07	2.98E-08	8.48E-08	1.15E-07
4672	437323.98	3762682.8	5.86E-07	1.85E-06	2.43E-06	9.11E-08	3.02E-07	3.93E-07	4.91E-08	1.40E-07	1.89E-07
4673	437316.9	3762667.78	4.63E-07	1.46E-06	1.92E-06	7.19E-08	2.38E-07	3.10E-07	3.87E-08	1.10E-07	1.49E-07
4674	437322.73	3762653.67	4.18E-07	1.32E-06	1.73E-06	6.49E-08	2.15E-07	2.80E-07	3.50E-08	9.97E-08	1.35E-07
4675	437328.56	3762639.55	3.75E-07	1.18E-06	1.56E-06	5.83E-08	1.93E-07	2.51E-07	3.14E-08	8.95E-08	1.21E-07
4676	437334.39	3762625.44	3.35E-07	1.06E-06	1.39E-06	5.21E-08	1.72E-07	2.24E-07	2.81E-08	8.00E-08	1.08E-07
4677	437344.35	3762615.44	3.18E-07	1.00E-06	1.32E-06	4.95E-08	1.64E-07	2.13E-07	2.66E-08	7.60E-08	1.03E-07
4678	437358.44	3762609.55	3.20E-07	1.01E-06	1.33E-06	4.97E-08	1.64E-07	2.14E-07	2.68E-08	7.63E-08	1.03E-07
4679	437372.53	3762603.67	3.19E-07	1.00E-06	1.32E-06	4.95E-08	1.64E-07	2.13E-07	2.67E-08	7.60E-08	1.03E-07
4680	437313.98	3762682.8	5.27E-07	1.66E-06	2.19E-06	8.20E-08	2.71E-07	3.53E-07	4.42E-08	1.26E-07	1.70E-07
4681	437306.9	3762667.78	4.24E-07	1.33E-06	1.76E-06	6.59E-08	2.18E-07	2.84E-07	3.55E-08	1.01E-07	1.37E-07
4682	437312.73	3762653.67	3.87E-07	1.22E-06	1.61E-06	6.02E-08	1.99E-07	2.59E-07	3.24E-08	9.24E-08	1.25E-07
4683	437318.56	3762639.55	3.51E-07	1.11E-06	1.46E-06	5.46E-08	1.81E-07	2.35E-07	2.94E-08	8.38E-08	1.13E-07
4684	437324.39	3762625.44	3.17E-07	9.97E-07	1.31E-06	4.92E-08	1.63E-07	2.12E-07	2.65E-08	7.56E-08	1.02E-07
4685	437337.26	3762608.38	2.86E-07	9.02E-07	1.19E-06	4.45E-08	1.47E-07	1.92E-07	2.40E-08	6.83E-08	9.23E-08
4686	437351.36	3762602.5	2.88E-07	9.07E-07	1.19E-06	4.47E-08	1.48E-07	1.93E-07	2.41E-08	6.87E-08	9.28E-08
4687	437365.45	3762596.61	2.87E-07	9.05E-07	1.19E-06	4.46E-08	1.48E-07	1.92E-07	2.40E-08	6.85E-08	9.26E-08
4688	437379.54	3762590.73	2.85E-07	8.97E-07	1.18E-06	4.42E-08	1.46E-07	1.91E-07	2.38E-08	6.79E-08	9.18E-08
4689	437303.98	3762682.8	4.77E-07	1.50E-06	1.98E-06	7.41E-08	2.45E-07	3.19E-07	3.99E-08	1.14E-07	1.54E-07
4690	437296.9	3762667.78	3.89E-07	1.22E-06	1.61E-06	6.04E-08	2.00E-07	2.60E-07	3.25E-08	9.27E-08	1.25E-07
4691	437302.73	3762653.67	3.59E-07	1.13E-06	1.49E-06	5.57E-08	1.85E-07	2.40E-07	3.00E-08	8.56E-08	1.16E-07
4692	437308.56	3762639.55	3.28E-07	1.03E-06	1.36E-06	5.10E-08	1.69E-07	2.20E-07	2.75E-08	7.84E-08	1.06E-07
4693	437314.39	3762625.44	2.99E-07	9.41E-07	1.24E-06	4.64E-08	1.54E-07	2.00E-07	2.50E-08	7.13E-08	9.63E-08

4694	437320.22	3762611.32	2.71E-07	8.53E-07	1.12E-06	4.21E-08	1.39E-07	1.81E-07	2.27E-08	6.46E-08	8.73E-08
4695	437330.18	3762601.32	2.59E-07	8.16E-07	1.07E-06	4.02E-08	1.33E-07	1.73E-07	2.17E-08	6.18E-08	8.35E-08
4696	437344.27	3762595.44	2.61E-07	8.21E-07	1.08E-06	4.05E-08	1.34E-07	1.75E-07	2.18E-08	6.22E-08	8.40E-08
4697	437358.36	3762589.55	2.60E-07	8.19E-07	1.08E-06	4.04E-08	1.34E-07	1.74E-07	2.18E-08	6.21E-08	8.39E-08
4698	437372.46	3762583.67	2.58E-07	8.13E-07	1.07E-06	4.01E-08	1.33E-07	1.73E-07	2.16E-08	6.16E-08	8.33E-08
4699	437293.98	3762682.8	4.32E-07	1.36E-06	1.79E-06	6.72E-08	2.22E-07	2.90E-07	3.62E-08	1.03E-07	1.39E-07
4700	437276.9	3762667.78	3.28E-07	1.03E-06	1.36E-06	5.10E-08	1.69E-07	2.20E-07	2.75E-08	7.84E-08	1.06E-07
4701	437282.73	3762653.67	3.08E-07	9.69E-07	1.28E-06	4.78E-08	1.58E-07	2.06E-07	2.58E-08	7.34E-08	9.92E-08
4702	437288.56	3762639.55	2.87E-07	9.03E-07	1.19E-06	4.45E-08	1.47E-07	1.92E-07	2.40E-08	6.84E-08	9.24E-08
4703	437294.39	3762625.44	2.65E-07	8.35E-07	1.10E-06	4.12E-08	1.36E-07	1.78E-07	2.22E-08	6.33E-08	8.55E-08
4704	437300.22	3762611.32	2.44E-07	7.68E-07	1.01E-06	3.79E-08	1.25E-07	1.63E-07	2.04E-08	5.82E-08	7.86E-08
4705	437306.05	3762597.21	2.23E-07	7.04E-07	9.27E-07	3.47E-08	1.15E-07	1.50E-07	1.87E-08	5.33E-08	7.20E-08
4706	437316.01	3762587.21	2.15E-07	6.77E-07	8.92E-07	3.34E-08	1.11E-07	1.44E-07	1.80E-08	5.13E-08	6.93E-08
4707	437330.1	3762581.32	2.16E-07	6.82E-07	8.98E-07	3.36E-08	1.11E-07	1.45E-07	1.81E-08	5.16E-08	6.98E-08
4708	437344.2	3762575.44	2.16E-07	6.82E-07	8.98E-07	3.36E-08	1.11E-07	1.45E-07	1.81E-08	5.16E-08	6.98E-08
4709	437358.29	3762569.55	2.15E-07	6.78E-07	8.93E-07	3.34E-08	1.11E-07	1.44E-07	1.80E-08	5.14E-08	6.94E-08
4710	437372.38	3762563.67	2.13E-07	6.71E-07	8.84E-07	3.31E-08	1.10E-07	1.43E-07	1.78E-08	5.08E-08	6.86E-08
4711	437273.98	3762682.8	3.60E-07	1.13E-06	1.49E-06	5.59E-08	1.85E-07	2.41E-07	3.01E-08	8.58E-08	1.16E-07
4712	437256.9	3762667.78	2.81E-07	8.84E-07	1.16E-06	4.36E-08	1.44E-07	1.88E-07	2.35E-08	6.70E-08	9.04E-08
4713	437262.73	3762653.67	2.66E-07	8.37E-07	1.10E-06	4.13E-08	1.37E-07	1.78E-07	2.23E-08	6.35E-08	8.57E-08
4714	437268.56	3762639.55	2.51E-07	7.89E-07	1.04E-06	3.89E-08	1.29E-07	1.68E-07	2.10E-08	5.98E-08	8.08E-08
4715	437274.39	3762625.44	2.35E-07	7.39E-07	9.74E-07	3.65E-08	1.21E-07	1.57E-07	1.97E-08	5.60E-08	7.57E-08
4716	437280.22	3762611.32	2.19E-07	6.89E-07	9.08E-07	3.40E-08	1.13E-07	1.47E-07	1.83E-08	5.22E-08	7.05E-08
4717	437301.84	3762573.09	1.81E-07	5.71E-07	7.52E-07	2.82E-08	9.33E-08	1.21E-07	1.52E-08	4.33E-08	5.84E-08
4718	437315.93	3762567.21	1.83E-07	5.75E-07	7.58E-07	2.84E-08	9.40E-08	1.22E-07	1.53E-08	4.36E-08	5.89E-08
4719	437330.03	3762561.32	1.83E-07	5.76E-07	7.59E-07	2.84E-08	9.41E-08	1.22E-07	1.53E-08	4.36E-08	5.89E-08
4720	437344.12	3762555.44	1.82E-07	5.74E-07	7.56E-07	2.83E-08	9.37E-08	1.22E-07	1.52E-08	4.35E-08	5.87E-08
4721	437358.21	3762549.55	1.80E-07	5.68E-07	7.49E-07	2.80E-08	9.29E-08	1.21E-07	1.51E-08	4.31E-08	5.82E-08
4722	437372.3	3762543.67	1.78E-07	5.61E-07	7.39E-07	2.77E-08	9.16E-08	1.19E-07	1.49E-08	4.25E-08	5.74E-08
4723	437253.98	3762682.8	3.03E-07	9.54E-07	1.26E-06	4.71E-08	1.56E-07	2.03E-07	2.54E-08	7.23E-08	9.76E-08
4724	437236.9	3762667.78	2.43E-07	7.66E-07	1.01E-06	3.78E-08	1.25E-07	1.63E-07	2.04E-08	5.80E-08	7.84E-08
4725	437242.73	3762653.67	2.32E-07	7.30E-07	9.62E-07	3.60E-08	1.19E-07	1.55E-07	1.94E-08	5.53E-08	7.47E-08
4726	437248.56	3762639.55	2.20E-07	6.93E-07	9.13E-07	3.42E-08	1.13E-07	1.47E-07	1.84E-08	5.25E-08	7.10E-08
4727	437254.39	3762625.44	2.08E-07	6.56E-07	8.64E-07	3.24E-08	1.07E-07	1.40E-07	1.74E-08	4.97E-08	6.71E-08
4728	437260.22	3762611.32	1.96E-07	6.18E-07	8.14E-07	3.05E-08	1.01E-07	1.31E-07	1.64E-08	4.68E-08	6.32E-08
4729	437287.67	3762558.98	1.55E-07	4.88E-07	6.42E-07	2.41E-08	7.97E-08	1.04E-07	1.30E-08	3.69E-08	4.99E-08
4730	437301.76	3762553.09	1.56E-07	4.92E-07	6.48E-07	2.43E-08	8.03E-08	1.05E-07	1.31E-08	3.73E-08	5.03E-08
4731	437315.86	3762547.21	1.57E-07	4.93E-07	6.49E-07	2.43E-08	8.05E-08	1.05E-07	1.31E-08	3.74E-08	5.05E-08
4732	437329.95	3762541.32	1.56E-07	4.91E-07	6.48E-07	2.43E-08	8.03E-08	1.05E-07	1.31E-08	3.72E-08	5.03E-08
4733	437344.04	3762535.44	1.55E-07	4.88E-07	6.43E-07	2.41E-08	7.97E-08	1.04E-07	1.30E-08	3.70E-08	4.99E-08
4734	437358.13	3762529.55	1.53E-07	4.82E-07	6.35E-07	2.38E-08	7.87E-08	1.03E-07	1.28E-08	3.65E-08	4.93E-08
4735	437372.23	3762523.67	1.51E-07	4.75E-07	6.26E-07	2.34E-08	7.76E-08	1.01E-07	1.26E-08	3.60E-08	4.86E-08
4736	437233.98	3762682.8	2.60E-07	8.19E-07	1.08E-06	4.04E-08	1.34E-07	1.74E-07	2.18E-08	6.21E-08	8.39E-08
4737	437216.9	3762667.78	2.12E-07	6.68E-07	8.81E-07	3.30E-08	1.09E-07	1.42E-07	1.78E-08	5.06E-08	6.84E-08
4738	437222.73	3762653.67	2.04E-07	6.43E-07	8.47E-07	3.17E-08	1.05E-07	1.37E-07	1.71E-08	4.87E-08	6.58E-08
4739	437228.56	3762639.55	1.95E-07	6.14E-07	8.10E-07	3.03E-08	1.00E-07	1.31E-07	1.63E-08	4.66E-08	6.29E-08
4740	437234.39	3762625.44	1.86E-07	5.85E-07	7.71E-07	2.89E-08	9.56E-08	1.24E-07	1.56E-08	4.43E-08	5.99E-08
4741	437240.22	3762611.32	1.76E-07	5.55E-07	7.31E-07	2.74E-08	9.07E-08	1.18E-07	1.48E-08	4.21E-08	5.68E-08
4742	437287.6	3762538.98	1.35E-07	4.25E-07	5.60E-07	2.10E-08	6.94E-08	9.04E-08	1.13E-08	3.22E-08	4.35E-08
4743	437301.69	3762533.09	1.35E-07	4.26E-07	5.62E-07	2.10E-08	6.97E-08	9.07E-08	1.13E-08	3.23E-08	4.36E-08
4744	437315.78	3762527.21	1.35E-07	4.26E-07	5.61E-07	2.10E-08	6.95E-08	9.05E-08	1.13E-08	3.22E-08	4.36E-08
4745	437329.87	3762521.32	1.34E-07	4.23E-07	5.57E-07	2.09E-08	6.91E-08	9.00E-08	1.12E-08	3.20E-08	4.33E-08
4746	437343.97	3762515.44	1.33E-07	4.19E-07	5.52E-07	2.07E-08	6.84E-08	8.91E-08	1.11E-08	3.17E-08	4.29E-08
4747	437358.06	3762509.55	1.31E-07	4.13E-07	5.44E-07	2.04E-08	6.74E-08	8.78E-08	1.10E-08	3.13E-08	4.23E-08
4748	437372.15	3762503.67	1.29E-07	4.06E-07	5.35E-07	2.00E-08	6.64E-08	8.64E-08	1.08E-08	3.08E-08	4.16E-08
4749	437213.98	3762682.8	2.25E-07	7.08E-07	9.33E-07	3.49E-08	1.16E-07	1.51E-07	1.88E-08	5.36E-08	7.25E-08
4750	437196.9	3762667.78	1.86E-07	5.86E-07	7.71E-07	2.89E-08	9.57E-08	1.25E-07	1.56E-08	4.44E-08	5.99E-08
4751	437202.73	3762653.67	1.80E-07	5.67E-07	7.47E-07	2.80E-08	9.26E-08	1.21E-07	1.51E-08	4.29E-08	5.80E-08
4752	437208.56	3762639.55	1.73E-07	5.46E-07	7.19E-07	2.69E-08	8.91E-08	1.16E-07	1.45E-08	4.13E-08	5.58E-08
4753	437214.39	3762625.44	1.66E-07	5.23E-07	6.89E-07	2.58E-08	8.55E-08	1.11E-07	1.39E-08	3.96E-08	5.35E-08
4754	437220.22	3762611.32	1.59E-07	5.00E-07	6.59E-07	2.47E-08	8.17E-08	1.06E-07	1.33E-08	3.79E-08	5.12E-08

4755	437259.33	3762530.75	1.17E-07	3.68E-07	4.85E-07	1.82E-08	6.01E-08	7.83E-08	9.78E-09	2.79E-08	3.77E-08
4756	437273.43	3762524.86	1.18E-07	3.71E-07	4.89E-07	1.83E-08	6.06E-08	7.90E-08	9.87E-09	2.81E-08	3.80E-08
4757	437287.52	3762518.98	1.18E-07	3.73E-07	4.91E-07	1.84E-08	6.09E-08	7.92E-08	9.90E-09	2.82E-08	3.81E-08
4758	437301.61	3762513.09	1.18E-07	3.72E-07	4.90E-07	1.84E-08	6.08E-08	7.91E-08	9.89E-09	2.82E-08	3.81E-08
4759	437315.7	3762507.21	1.18E-07	3.70E-07	4.88E-07	1.83E-08	6.05E-08	7.87E-08	9.84E-09	2.80E-08	3.79E-08
4760	437329.8	3762501.32	1.17E-07	3.67E-07	4.83E-07	1.81E-08	5.99E-08	7.81E-08	9.75E-09	2.78E-08	3.76E-08
4761	437343.89	3762495.44	1.15E-07	3.63E-07	4.78E-07	1.79E-08	5.92E-08	7.71E-08	9.64E-09	2.75E-08	3.71E-08
4762	437357.98	3762489.55	1.13E-07	3.57E-07	4.71E-07	1.76E-08	5.84E-08	7.60E-08	9.49E-09	2.71E-08	3.66E-08
4763	437372.07	3762483.67	1.12E-07	3.51E-07	4.63E-07	1.73E-08	5.74E-08	7.47E-08	9.34E-09	2.66E-08	3.60E-08
4764	437193.98	3762682.8	1.95E-07	6.15E-07	8.11E-07	3.04E-08	1.01E-07	1.31E-07	1.64E-08	4.66E-08	6.30E-08
4765	437200.22	3762611.32	1.43E-07	4.51E-07	5.94E-07	2.22E-08	7.36E-08	9.58E-08	1.20E-08	3.41E-08	4.61E-08
4766	437229.37	3762540.75	1.12E-07	3.52E-07	4.64E-07	1.74E-08	5.75E-08	7.49E-08	9.36E-09	2.67E-08	3.60E-08
4767	437235.2	3762526.63	1.06E-07	3.32E-07	4.38E-07	1.64E-08	5.43E-08	7.07E-08	8.83E-09	2.52E-08	3.40E-08
4768	437245.16	3762516.63	1.03E-07	3.24E-07	4.27E-07	1.60E-08	5.30E-08	6.90E-08	8.62E-09	2.46E-08	3.32E-08
4769	437259.26	3762510.75	1.04E-07	3.27E-07	4.31E-07	1.61E-08	5.34E-08	6.96E-08	8.69E-09	2.48E-08	3.35E-08
4770	437273.35	3762504.86	1.04E-07	3.28E-07	4.33E-07	1.62E-08	5.36E-08	6.99E-08	8.73E-09	2.49E-08	3.36E-08
4771	437287.44	3762498.98	1.04E-07	3.28E-07	4.33E-07	1.62E-08	5.36E-08	6.98E-08	8.73E-09	2.49E-08	3.36E-08
4772	437301.53	3762493.09	1.04E-07	3.27E-07	4.31E-07	1.61E-08	5.34E-08	6.95E-08	8.69E-09	2.48E-08	3.34E-08
4773	437315.63	3762487.21	1.03E-07	3.24E-07	4.27E-07	1.60E-08	5.30E-08	6.90E-08	8.62E-09	2.46E-08	3.32E-08
4774	437329.72	3762481.32	1.02E-07	3.21E-07	4.23E-07	1.58E-08	5.24E-08	6.82E-08	8.53E-09	2.43E-08	3.28E-08
4775	437343.81	3762475.44	1.01E-07	3.17E-07	4.17E-07	1.56E-08	5.17E-08	6.73E-08	8.41E-09	2.40E-08	3.24E-08
4776	437357.9	3762469.55	9.89E-08	3.12E-07	4.10E-07	1.54E-08	5.09E-08	6.63E-08	8.28E-09	2.36E-08	3.19E-08
4777	437372	3762463.67	9.72E-08	3.06E-07	4.03E-07	1.51E-08	5.00E-08	6.51E-08	8.14E-09	2.32E-08	3.13E-08
4778	437209.37	3762540.75	1.04E-07	3.28E-07	4.32E-07	1.62E-08	5.35E-08	6.97E-08	8.71E-09	2.48E-08	3.35E-08
4779	437215.2	3762526.63	9.88E-08	3.11E-07	4.10E-07	1.53E-08	5.08E-08	6.61E-08	8.27E-09	2.36E-08	3.18E-08
4780	437221.03	3762512.52	9.35E-08	2.95E-07	3.88E-07	1.45E-08	4.81E-08	6.27E-08	7.83E-09	2.23E-08	3.01E-08
4781	437231	3762502.52	9.14E-08	2.88E-07	3.79E-07	1.42E-08	4.70E-08	6.13E-08	7.65E-09	2.18E-08	2.95E-08
4782	437245.09	3762496.63	9.22E-08	2.90E-07	3.82E-07	1.43E-08	4.74E-08	6.17E-08	7.71E-09	2.20E-08	2.97E-08
4783	437259.18	3762490.75	9.26E-08	2.92E-07	3.84E-07	1.44E-08	4.76E-08	6.20E-08	7.75E-09	2.21E-08	2.98E-08
4784	437273.27	3762484.86	9.26E-08	2.92E-07	3.84E-07	1.44E-08	4.77E-08	6.21E-08	7.75E-09	2.21E-08	2.99E-08
4785	437287.36	3762478.98	9.23E-08	2.91E-07	3.83E-07	1.43E-08	4.75E-08	6.18E-08	7.73E-09	2.20E-08	2.98E-08
4786	437301.46	3762473.09	9.17E-08	2.89E-07	3.80E-07	1.42E-08	4.72E-08	6.14E-08	7.67E-09	2.19E-08	2.95E-08
4787	437315.55	3762467.21	9.08E-08	2.86E-07	3.77E-07	1.41E-08	4.67E-08	6.08E-08	7.60E-09	2.17E-08	2.93E-08
4788	437329.64	3762461.32	8.96E-08	2.82E-07	3.72E-07	1.39E-08	4.61E-08	6.00E-08	7.50E-09	2.14E-08	2.89E-08
4789	437343.73	3762455.44	8.83E-08	2.78E-07	3.67E-07	1.37E-08	4.54E-08	5.92E-08	7.39E-09	2.11E-08	2.85E-08
4790	437357.83	3762449.55	8.69E-08	2.74E-07	3.61E-07	1.35E-08	4.47E-08	5.82E-08	7.27E-09	2.07E-08	2.80E-08
4791	437371.92	3762443.67	8.54E-08	2.69E-07	3.54E-07	1.33E-08	4.39E-08	5.72E-08	7.15E-09	2.04E-08	2.75E-08
4792	437137.01	3762667.5	1.30E-07	4.09E-07	5.38E-07	2.02E-08	6.67E-08	8.69E-08	1.09E-08	3.10E-08	4.18E-08
4793	437143.08	3762652.82	1.27E-07	4.00E-07	5.27E-07	1.97E-08	6.53E-08	8.50E-08	1.06E-08	3.03E-08	4.09E-08
4794	437191.59	3762535.38	9.49E-08	2.99E-07	3.94E-07	1.47E-08	4.88E-08	6.36E-08	7.95E-09	2.27E-08	3.06E-08
4795	437197.65	3762520.7	9.03E-08	2.85E-07	3.75E-07	1.40E-08	4.65E-08	6.05E-08	7.56E-09	2.16E-08	2.91E-08
4796	437203.72	3762506.03	8.58E-08	2.70E-07	3.56E-07	1.33E-08	4.41E-08	5.75E-08	7.18E-09	2.05E-08	2.77E-08
4797	437217.11	3762488.29	8.17E-08	2.57E-07	3.39E-07	1.27E-08	4.20E-08	5.47E-08	6.84E-09	1.95E-08	2.63E-08
4798	437231.76	3762482.17	8.24E-08	2.59E-07	3.42E-07	1.28E-08	4.24E-08	5.52E-08	6.89E-09	1.97E-08	2.65E-08
4799	437246.42	3762476.04	8.27E-08	2.61E-07	3.43E-07	1.29E-08	4.26E-08	5.54E-08	6.93E-09	1.97E-08	2.67E-08
4800	437261.08	3762469.92	8.28E-08	2.61E-07	3.44E-07	1.29E-08	4.26E-08	5.55E-08	6.93E-09	1.98E-08	2.67E-08
4801	437275.73	3762463.8	8.26E-08	2.60E-07	3.43E-07	1.28E-08	4.25E-08	5.53E-08	6.91E-09	1.97E-08	2.66E-08
4802	437290.39	3762457.68	8.20E-08	2.58E-07	3.40E-07	1.27E-08	4.22E-08	5.49E-08	6.86E-09	1.96E-08	2.64E-08
4803	437305.04	3762451.56	8.12E-08	2.56E-07	3.37E-07	1.26E-08	4.18E-08	5.44E-08	6.79E-09	1.94E-08	2.62E-08
4804	437319.7	3762445.44	8.01E-08	2.52E-07	3.32E-07	1.25E-08	4.12E-08	5.37E-08	6.71E-09	1.91E-08	2.58E-08
4805	437334.36	3762439.32	7.90E-08	2.49E-07	3.28E-07	1.23E-08	4.06E-08	5.29E-08	6.61E-09	1.88E-08	2.55E-08
4806	437349.01	3762433.2	7.77E-08	2.45E-07	3.22E-07	1.21E-08	4.00E-08	5.20E-08	6.50E-09	1.85E-08	2.50E-08
4807	437363.67	3762427.08	7.63E-08	2.40E-07	3.17E-07	1.19E-08	3.93E-08	5.11E-08	6.39E-09	1.82E-08	2.46E-08
4808	437378.33	3762420.96	7.50E-08	2.36E-07	3.11E-07	1.16E-08	3.86E-08	5.02E-08	6.27E-09	1.79E-08	2.42E-08
4809	437133.98	3762682.8	1.34E-07	4.24E-07	5.58E-07	2.09E-08	6.92E-08	9.01E-08	1.13E-08	3.21E-08	4.33E-08
4810	437133.98	3762698.72	1.41E-07	4.45E-07	5.87E-07	2.20E-08	7.27E-08	9.47E-08	1.18E-08	3.37E-08	4.56E-08
4811	437117	3762667.52	1.16E-07	3.67E-07	4.83E-07	1.81E-08	5.99E-08	7.80E-08	9.75E-09	2.78E-08	3.75E-08
4812	437123.05	3762652.88	1.14E-07	3.60E-07	4.74E-07	1.78E-08	5.88E-08	7.65E-08	9.56E-09	2.73E-08	3.68E-08
4813	437129.1	3762638.25	1.12E-07	3.52E-07	4.63E-07	1.73E-08	5.74E-08	7.48E-08	9.34E-09	2.66E-08	3.60E-08
4814	437135.14	3762623.61	1.09E-07	3.42E-07	4.51E-07	1.69E-08	5.59E-08	7.28E-08	9.10E-09	2.60E-08	3.51E-08
4815	437141.19	3762608.97	1.06E-07	3.33E-07	4.39E-07	1.64E-08	5.44E-08	7.08E-08	8.85E-09	2.52E-08	3.41E-08

4816	437147.24	3762594.33	1.03E-07	3.23E-07	4.26E-07	1.59E-08	5.28E-08	6.87E-08	8.59E-09	2.45E-08	3.31E-08
4817	437189.56	3762491.87	7.69E-08	2.42E-07	3.19E-07	1.19E-08	3.95E-08	5.15E-08	6.43E-09	1.83E-08	2.48E-08
4818	437202.92	3762474.18	7.34E-08	2.31E-07	3.05E-07	1.14E-08	3.78E-08	4.92E-08	6.15E-09	1.75E-08	2.37E-08
4819	437217.53	3762468.08	7.40E-08	2.33E-07	3.07E-07	1.15E-08	3.81E-08	4.96E-08	6.20E-09	1.77E-08	2.39E-08
4820	437232.15	3762461.97	7.44E-08	2.34E-07	3.09E-07	1.16E-08	3.83E-08	4.98E-08	6.22E-09	1.77E-08	2.40E-08
4821	437246.76	3762455.87	7.44E-08	2.34E-07	3.09E-07	1.16E-08	3.83E-08	4.98E-08	6.23E-09	1.78E-08	2.40E-08
4822	437261.38	3762449.77	7.43E-08	2.34E-07	3.08E-07	1.15E-08	3.82E-08	4.97E-08	6.22E-09	1.77E-08	2.39E-08
4823	437275.99	3762443.66	7.39E-08	2.33E-07	3.07E-07	1.15E-08	3.80E-08	4.95E-08	6.19E-09	1.76E-08	2.38E-08
4824	437290.6	3762437.56	7.32E-08	2.31E-07	3.04E-07	1.14E-08	3.77E-08	4.91E-08	6.13E-09	1.75E-08	2.36E-08
4825	437305.22	3762431.46	7.24E-08	2.28E-07	3.00E-07	1.12E-08	3.72E-08	4.85E-08	6.06E-09	1.73E-08	2.33E-08
4826	437319.83	3762425.36	7.14E-08	2.25E-07	2.96E-07	1.11E-08	3.67E-08	4.78E-08	5.98E-09	1.70E-08	2.30E-08
4827	437334.45	3762419.25	7.03E-08	2.21E-07	2.92E-07	1.09E-08	3.62E-08	4.71E-08	5.88E-09	1.68E-08	2.27E-08
4828	437349.06	3762413.15	6.91E-08	2.18E-07	2.87E-07	1.07E-08	3.56E-08	4.63E-08	5.79E-09	1.65E-08	2.23E-08
4829	437363.68	3762407.05	6.79E-08	2.14E-07	2.82E-07	1.06E-08	3.50E-08	4.55E-08	5.69E-09	1.62E-08	2.19E-08
4830	437378.29	3762400.94	6.67E-08	2.10E-07	2.77E-07	1.04E-08	3.43E-08	4.47E-08	5.59E-09	1.59E-08	2.15E-08
4831	437113.98	3762682.8	1.20E-07	3.79E-07	4.99E-07	1.87E-08	6.19E-08	8.06E-08	1.01E-08	2.87E-08	3.88E-08
4832	437113.98	3762698.72	1.26E-07	3.97E-07	5.23E-07	1.96E-08	6.48E-08	8.44E-08	1.05E-08	3.01E-08	4.06E-08
4833	437097	3762667.54	1.05E-07	3.31E-07	4.36E-07	1.63E-08	5.41E-08	7.04E-08	8.80E-09	2.51E-08	3.39E-08
4834	437103.03	3762652.94	1.03E-07	3.26E-07	4.29E-07	1.61E-08	5.32E-08	6.93E-08	8.65E-09	2.47E-08	3.33E-08
4835	437109.06	3762638.34	1.01E-07	3.19E-07	4.20E-07	1.57E-08	5.21E-08	6.79E-08	8.48E-09	2.42E-08	3.27E-08
4836	437115.09	3762623.73	9.90E-08	3.12E-07	4.11E-07	1.54E-08	5.09E-08	6.63E-08	8.29E-09	2.36E-08	3.19E-08
4837	437121.12	3762609.13	9.65E-08	3.04E-07	4.00E-07	1.50E-08	4.96E-08	6.46E-08	8.08E-09	2.30E-08	3.11E-08
4838	437127.15	3762594.53	9.38E-08	2.96E-07	3.89E-07	1.46E-08	4.83E-08	6.29E-08	7.86E-09	2.24E-08	3.02E-08
4839	437133.19	3762579.93	9.12E-08	2.87E-07	3.78E-07	1.42E-08	4.69E-08	6.11E-08	7.63E-09	2.18E-08	2.94E-08
4840	437139.22	3762565.33	8.83E-08	2.78E-07	3.66E-07	1.37E-08	4.54E-08	5.91E-08	7.39E-09	2.11E-08	2.85E-08
4841	437145.25	3762550.73	8.53E-08	2.69E-07	3.54E-07	1.33E-08	4.39E-08	5.71E-08	7.14E-09	2.04E-08	2.75E-08
4842	437188.73	3762460.07	6.64E-08	2.09E-07	2.76E-07	1.03E-08	3.42E-08	4.45E-08	5.56E-09	1.58E-08	2.14E-08
4843	437203.31	3762453.98	6.69E-08	2.11E-07	2.78E-07	1.04E-08	3.44E-08	4.48E-08	5.60E-09	1.60E-08	2.16E-08
4844	437217.89	3762447.9	6.73E-08	2.12E-07	2.79E-07	1.05E-08	3.46E-08	4.51E-08	5.63E-09	1.60E-08	2.17E-08
4845	437232.47	3762441.81	6.74E-08	2.12E-07	2.80E-07	1.05E-08	3.47E-08	4.51E-08	5.64E-09	1.61E-08	2.17E-08
4846	437247.04	3762435.72	6.72E-08	2.12E-07	2.79E-07	1.04E-08	3.46E-08	4.50E-08	5.63E-09	1.60E-08	2.17E-08
4847	437261.62	3762429.63	6.69E-08	2.11E-07	2.78E-07	1.04E-08	3.44E-08	4.48E-08	5.60E-09	1.60E-08	2.16E-08
4848	437276.2	3762423.54	6.64E-08	2.09E-07	2.76E-07	1.03E-08	3.42E-08	4.45E-08	5.56E-09	1.58E-08	2.14E-08
4849	437290.78	3762417.46	6.57E-08	2.07E-07	2.73E-07	1.02E-08	3.38E-08	4.40E-08	5.50E-09	1.57E-08	2.12E-08
4850	437305.36	3762411.37	6.49E-08	2.04E-07	2.69E-07	1.01E-08	3.34E-08	4.35E-08	5.43E-09	1.55E-08	2.09E-08
4851	437319.94	3762405.28	6.39E-08	2.01E-07	2.65E-07	9.93E-09	3.29E-08	4.28E-08	5.35E-09	1.53E-08	2.06E-08
4852	437334.51	3762399.19	6.29E-08	1.98E-07	2.61E-07	9.78E-09	3.24E-08	4.21E-08	5.27E-09	1.50E-08	2.03E-08
4853	437349.09	3762393.11	6.19E-08	1.95E-07	2.57E-07	9.61E-09	3.18E-08	4.14E-08	5.18E-09	1.48E-08	1.99E-08
4854	437363.67	3762387.02	6.08E-08	1.92E-07	2.52E-07	9.45E-09	3.13E-08	4.07E-08	5.09E-09	1.45E-08	1.96E-08
4855	437378.25	3762380.93	5.98E-08	1.88E-07	2.48E-07	9.29E-09	3.08E-08	4.01E-08	5.00E-09	1.43E-08	1.93E-08
4856	437093.98	3762682.8	1.08E-07	3.41E-07	4.49E-07	1.68E-08	5.57E-08	7.25E-08	9.06E-09	2.58E-08	3.49E-08
4857	437093.98	3762698.72	1.13E-07	3.55E-07	4.68E-07	1.75E-08	5.81E-08	7.56E-08	9.45E-09	2.69E-08	3.64E-08
4858	437066.99	3762667.56	9.08E-08	2.86E-07	3.77E-07	1.41E-08	4.67E-08	6.08E-08	7.60E-09	2.17E-08	2.93E-08
4859	437073	3762653.01	8.96E-08	2.82E-07	3.72E-07	1.39E-08	4.61E-08	6.00E-08	7.50E-09	2.14E-08	2.89E-08
4860	437079.01	3762638.45	8.81E-08	2.78E-07	3.66E-07	1.37E-08	4.53E-08	5.90E-08	7.38E-09	2.10E-08	2.84E-08
4861	437085.03	3762623.89	8.64E-08	2.72E-07	3.59E-07	1.34E-08	4.45E-08	5.79E-08	7.24E-09	2.06E-08	2.79E-08
4862	437091.04	3762609.34	8.46E-08	2.67E-07	3.51E-07	1.31E-08	4.35E-08	5.67E-08	7.08E-09	2.02E-08	2.73E-08
4863	437097.05	3762594.78	8.26E-08	2.60E-07	3.43E-07	1.28E-08	4.25E-08	5.53E-08	6.92E-09	1.97E-08	2.66E-08
4864	437103.06	3762580.23	8.04E-08	2.53E-07	3.34E-07	1.25E-08	4.14E-08	5.39E-08	6.73E-09	1.92E-08	2.59E-08
4865	437109.08	3762565.67	7.82E-08	2.46E-07	3.25E-07	1.22E-08	4.03E-08	5.24E-08	6.55E-09	1.87E-08	2.52E-08
4866	437115.09	3762551.11	7.60E-08	2.39E-07	3.15E-07	1.18E-08	3.91E-08	5.09E-08	6.36E-09	1.81E-08	2.45E-08
4867	437121.1	3762536.56	7.37E-08	2.32E-07	3.06E-07	1.14E-08	3.79E-08	4.94E-08	6.17E-09	1.76E-08	2.38E-08
4868	437127.12	3762522	7.13E-08	2.24E-07	2.96E-07	1.11E-08	3.67E-08	4.77E-08	5.97E-09	1.70E-08	2.30E-08
4869	437133.13	3762507.45	6.88E-08	2.17E-07	2.85E-07	1.07E-08	3.54E-08	4.61E-08	5.76E-09	1.64E-08	2.22E-08
4870	437139.14	3762492.89	6.62E-08	2.09E-07	2.75E-07	1.03E-08	3.41E-08	4.44E-08	5.55E-09	1.58E-08	2.14E-08
4871	437181.99	3762432.84	5.82E-08	1.83E-07	2.41E-07	9.04E-09	2.99E-08	3.90E-08	4.87E-09	1.39E-08	1.88E-08
4872	437196.52	3762426.77	5.85E-08	1.84E-07	2.43E-07	9.09E-09	3.01E-08	3.92E-08	4.89E-09	1.40E-08	1.88E-08
4873	437211.05	3762420.7	5.86E-08	1.85E-07	2.43E-07	9.10E-09	3.01E-08	3.92E-08	4.90E-09	1.40E-08	1.89E-08
4874	437225.58	3762414.63	5.85E-08	1.84E-07	2.43E-07	9.09E-09	3.01E-08	3.92E-08	4.90E-09	1.40E-08	1.89E-08
4875	437240.12	3762408.56	5.82E-08	1.83E-07	2.42E-07	9.05E-09	3.00E-08	3.90E-08	4.87E-09	1.39E-08	1.88E-08
4876	437254.65	3762402.5	5.78E-08	1.82E-07	2.40E-07	8.98E-09	2.97E-08	3.87E-08	4.84E-09	1.38E-08	1.86E-08

4877	437269.18	3762396.43	5.73E-08	1.80E-07	2.38E-07	8.90E-09	2.95E-08	3.84E-08	4.80E-09	1.37E-08	1.85E-08
4878	437283.72	3762390.36	5.67E-08	1.78E-07	2.35E-07	8.80E-09	2.92E-08	3.80E-08	4.74E-09	1.35E-08	1.83E-08
4879	437298.25	3762384.29	5.59E-08	1.76E-07	2.32E-07	8.69E-09	2.88E-08	3.75E-08	4.68E-09	1.33E-08	1.80E-08
4880	437312.78	3762378.22	5.51E-08	1.74E-07	2.29E-07	8.56E-09	2.83E-08	3.69E-08	4.61E-09	1.31E-08	1.78E-08
4881	437327.31	3762372.15	5.42E-08	1.71E-07	2.25E-07	8.43E-09	2.79E-08	3.63E-08	4.54E-09	1.29E-08	1.75E-08
4882	437341.85	3762366.08	5.33E-08	1.68E-07	2.21E-07	8.29E-09	2.74E-08	3.57E-08	4.46E-09	1.27E-08	1.72E-08
4883	437356.38	3762360.01	5.25E-08	1.65E-07	2.18E-07	8.15E-09	2.70E-08	3.51E-08	4.39E-09	1.25E-08	1.69E-08
4884	437370.91	3762353.95	5.16E-08	1.63E-07	2.14E-07	8.02E-09	2.66E-08	3.46E-08	4.32E-09	1.23E-08	1.66E-08
4885	437063.98	3762682.8	9.31E-08	2.93E-07	3.86E-07	1.45E-08	4.79E-08	6.24E-08	7.79E-09	2.22E-08	3.00E-08
4886	437063.98	3762698.72	9.67E-08	3.04E-07	4.01E-07	1.50E-08	4.97E-08	6.47E-08	8.09E-09	2.31E-08	3.12E-08
4887	437036.98	3762667.58	7.92E-08	2.50E-07	3.29E-07	1.23E-08	4.08E-08	5.31E-08	6.63E-09	1.89E-08	2.55E-08
4888	437042.98	3762653.06	7.84E-08	2.47E-07	3.25E-07	1.22E-08	4.03E-08	5.25E-08	6.56E-09	1.87E-08	2.53E-08
4889	437048.97	3762638.54	7.73E-08	2.43E-07	3.21E-07	1.20E-08	3.98E-08	5.18E-08	6.47E-09	1.84E-08	2.49E-08
4890	437054.97	3762624.03	7.60E-08	2.39E-07	3.15E-07	1.18E-08	3.91E-08	5.09E-08	6.36E-09	1.81E-08	2.45E-08
4891	437060.97	3762609.51	7.46E-08	2.35E-07	3.10E-07	1.16E-08	3.84E-08	5.00E-08	6.25E-09	1.78E-08	2.41E-08
4892	437066.97	3762594.99	7.30E-08	2.30E-07	3.03E-07	1.13E-08	3.76E-08	4.89E-08	6.11E-09	1.74E-08	2.35E-08
4893	437072.96	3762580.47	7.13E-08	2.24E-07	2.96E-07	1.11E-08	3.67E-08	4.77E-08	5.97E-09	1.70E-08	2.30E-08
4894	437078.96	3762565.95	6.95E-08	2.19E-07	2.88E-07	1.08E-08	3.58E-08	4.66E-08	5.82E-09	1.66E-08	2.24E-08
4895	437084.96	3762551.43	6.78E-08	2.13E-07	2.81E-07	1.05E-08	3.49E-08	4.54E-08	5.67E-09	1.62E-08	2.19E-08
4896	437090.95	3762536.92	6.60E-08	2.08E-07	2.74E-07	1.03E-08	3.40E-08	4.42E-08	5.53E-09	1.58E-08	2.13E-08
4897	437096.95	3762522.4	6.42E-08	2.02E-07	2.66E-07	9.98E-09	3.30E-08	4.30E-08	5.38E-09	1.53E-08	2.07E-08
4898	437102.95	3762507.88	6.23E-08	1.96E-07	2.59E-07	9.68E-09	3.21E-08	4.17E-08	5.22E-09	1.49E-08	2.01E-08
4899	437108.95	3762493.36	6.04E-08	1.90E-07	2.51E-07	9.38E-09	3.11E-08	4.05E-08	5.05E-09	1.44E-08	1.95E-08
4900	437126.94	3762449.81	5.45E-08	1.72E-07	2.26E-07	8.47E-09	2.80E-08	3.65E-08	4.56E-09	1.30E-08	1.76E-08
4901	437132.94	3762435.29	5.25E-08	1.65E-07	2.18E-07	8.15E-09	2.70E-08	3.51E-08	4.39E-09	1.25E-08	1.69E-08
4902	437146.18	3762417.74	5.07E-08	1.60E-07	2.10E-07	7.87E-09	2.61E-08	3.39E-08	4.24E-09	1.21E-08	1.63E-08
4903	437189.67	3762399.59	5.13E-08	1.62E-07	2.13E-07	7.97E-09	2.64E-08	3.44E-08	4.30E-09	1.22E-08	1.65E-08
4904	437204.16	3762393.53	5.13E-08	1.62E-07	2.13E-07	7.97E-09	2.64E-08	3.44E-08	4.29E-09	1.22E-08	1.65E-08
4905	437218.66	3762387.48	5.11E-08	1.61E-07	2.12E-07	7.94E-09	2.63E-08	3.42E-08	4.28E-09	1.22E-08	1.65E-08
4906	437233.15	3762381.43	5.08E-08	1.60E-07	2.11E-07	7.90E-09	2.61E-08	3.40E-08	4.25E-09	1.21E-08	1.64E-08
4907	437247.65	3762375.37	5.04E-08	1.59E-07	2.09E-07	7.83E-09	2.59E-08	3.38E-08	4.22E-09	1.20E-08	1.62E-08
4908	437262.14	3762369.32	4.99E-08	1.57E-07	2.07E-07	7.76E-09	2.57E-08	3.34E-08	4.18E-09	1.19E-08	1.61E-08
4909	437276.64	3762363.27	4.93E-08	1.55E-07	2.05E-07	7.66E-09	2.54E-08	3.30E-08	4.13E-09	1.18E-08	1.59E-08
4910	437291.13	3762357.21	4.87E-08	1.53E-07	2.02E-07	7.56E-09	2.50E-08	3.26E-08	4.07E-09	1.16E-08	1.57E-08
4911	437305.63	3762351.16	4.79E-08	1.51E-07	1.99E-07	7.45E-09	2.47E-08	3.21E-08	4.01E-09	1.14E-08	1.55E-08
4912	437320.12	3762345.11	4.72E-08	1.49E-07	1.96E-07	7.34E-09	2.43E-08	3.16E-08	3.95E-09	1.13E-08	1.52E-08
4913	437334.62	3762339.05	4.64E-08	1.46E-07	1.93E-07	7.22E-09	2.39E-08	3.11E-08	3.89E-09	1.11E-08	1.50E-08
4914	437349.11	3762333	4.57E-08	1.44E-07	1.90E-07	7.10E-09	2.35E-08	3.06E-08	3.83E-09	1.09E-08	1.47E-08
4915	437363.61	3762326.95	4.50E-08	1.42E-07	1.87E-07	6.99E-09	2.32E-08	3.01E-08	3.77E-09	1.07E-08	1.45E-08
4916	437378.1	3762320.9	4.43E-08	1.40E-07	1.84E-07	6.89E-09	2.28E-08	2.97E-08	3.71E-09	1.06E-08	1.43E-08
4917	437033.98	3762682.8	8.10E-08	2.55E-07	3.36E-07	1.26E-08	4.17E-08	5.43E-08	6.78E-09	1.93E-08	2.61E-08
4918	437033.98	3762698.72	8.38E-08	2.64E-07	3.48E-07	1.30E-08	4.31E-08	5.61E-08	7.01E-09	2.00E-08	2.70E-08
4919	437006.97	3762667.6	6.98E-08	2.20E-07	2.89E-07	1.08E-08	3.59E-08	4.67E-08	5.84E-09	1.66E-08	2.25E-08
4920	437012.96	3762653.11	6.91E-08	2.18E-07	2.87E-07	1.07E-08	3.56E-08	4.63E-08	5.79E-09	1.65E-08	2.23E-08
4921	437018.94	3762638.62	6.83E-08	2.15E-07	2.83E-07	1.06E-08	3.51E-08	4.58E-08	5.72E-09	1.63E-08	2.20E-08
4922	437024.92	3762624.14	6.73E-08	2.12E-07	2.79E-07	1.05E-08	3.46E-08	4.51E-08	5.64E-09	1.61E-08	2.17E-08
4923	437030.91	3762609.65	6.63E-08	2.09E-07	2.75E-07	1.03E-08	3.41E-08	4.44E-08	5.55E-09	1.58E-08	2.14E-08
4924	437036.89	3762595.16	6.50E-08	2.05E-07	2.70E-07	1.01E-08	3.34E-08	4.36E-08	5.44E-09	1.55E-08	2.10E-08
4925	437042.88	3762580.68	6.35E-08	2.00E-07	2.63E-07	9.87E-09	3.27E-08	4.25E-08	5.32E-09	1.52E-08	2.05E-08
4926	437048.86	3762566.19	6.20E-08	1.95E-07	2.57E-07	9.63E-09	3.19E-08	4.15E-08	5.19E-09	1.48E-08	2.00E-08
4927	437054.85	3762551.71	6.06E-08	1.91E-07	2.52E-07	9.42E-09	3.12E-08	4.06E-08	5.08E-09	1.45E-08	1.95E-08
4928	437060.83	3762537.22	5.92E-08	1.87E-07	2.46E-07	9.21E-09	3.05E-08	3.97E-08	4.96E-09	1.41E-08	1.91E-08
4929	437066.81	3762522.73	5.79E-08	1.82E-07	2.40E-07	8.99E-09	2.98E-08	3.88E-08	4.85E-09	1.38E-08	1.87E-08
4930	437072.8	3762508.25	5.65E-08	1.78E-07	2.34E-07	8.78E-09	2.91E-08	3.78E-08	4.73E-09	1.35E-08	1.82E-08
4931	437078.78	3762493.76	5.49E-08	1.73E-07	2.28E-07	8.54E-09	2.83E-08	3.68E-08	4.60E-09	1.31E-08	1.77E-08
4932	437096.73	3762450.3	5.02E-08	1.58E-07	2.08E-07	7.81E-09	2.58E-08	3.37E-08	4.21E-09	1.20E-08	1.62E-08
4933	437102.72	3762435.81	4.87E-08	1.53E-07	2.02E-07	7.57E-09	2.51E-08	3.26E-08	4.08E-09	1.16E-08	1.57E-08
4934	437108.7	3762421.33	4.71E-08	1.48E-07	1.95E-07	7.32E-09	2.42E-08	3.15E-08	3.94E-09	1.12E-08	1.52E-08
4935	437114.69	3762406.84	4.54E-08	1.43E-07	1.88E-07	7.05E-09	2.33E-08	3.04E-08	3.80E-09	1.08E-08	1.46E-08
4936	437124.91	3762396.58	4.47E-08	1.41E-07	1.86E-07	6.95E-09	2.30E-08	3.00E-08	3.74E-09	1.07E-08	1.44E-08
4937	437139.37	3762390.54	4.50E-08	1.42E-07	1.87E-07	7.00E-09	2.32E-08	3.02E-08	3.77E-09	1.07E-08	1.45E-08

4938	437182.76	3762372.42	4.54E-08	1.43E-07	1.88E-07	7.05E-09	2.33E-08	3.04E-08	3.80E-09	1.08E-08	1.46E-08
4939	437197.23	3762366.38	4.53E-08	1.43E-07	1.88E-07	7.03E-09	2.33E-08	3.03E-08	3.79E-09	1.08E-08	1.46E-08
4940	437211.69	3762360.34	4.49E-08	1.42E-07	1.86E-07	6.98E-09	2.31E-08	3.01E-08	3.76E-09	1.07E-08	1.45E-08
4941	437226.15	3762354.3	4.47E-08	1.41E-07	1.85E-07	6.94E-09	2.30E-08	2.99E-08	3.74E-09	1.07E-08	1.44E-08
4942	437240.62	3762348.26	4.43E-08	1.39E-07	1.84E-07	6.88E-09	2.28E-08	2.97E-08	3.71E-09	1.06E-08	1.43E-08
4943	437255.08	3762342.22	4.38E-08	1.38E-07	1.82E-07	6.81E-09	2.26E-08	2.94E-08	3.67E-09	1.05E-08	1.41E-08
4944	437269.54	3762336.18	4.33E-08	1.36E-07	1.80E-07	6.73E-09	2.23E-08	2.90E-08	3.62E-09	1.03E-08	1.40E-08
4945	437284.01	3762330.14	4.27E-08	1.35E-07	1.77E-07	6.64E-09	2.20E-08	2.86E-08	3.58E-09	1.02E-08	1.38E-08
4946	437298.47	3762324.1	4.21E-08	1.33E-07	1.75E-07	6.54E-09	2.17E-08	2.82E-08	3.52E-09	1.00E-08	1.36E-08
4947	437312.93	3762318.06	4.15E-08	1.31E-07	1.72E-07	6.44E-09	2.13E-08	2.78E-08	3.47E-09	9.89E-09	1.34E-08
4948	437327.4	3762312.02	4.08E-08	1.29E-07	1.69E-07	6.34E-09	2.10E-08	2.73E-08	3.42E-09	9.74E-09	1.32E-08
4949	437341.86	3762305.98	4.02E-08	1.27E-07	1.67E-07	6.24E-09	2.07E-08	2.69E-08	3.36E-09	9.59E-09	1.30E-08
4950	437356.32	3762299.94	3.96E-08	1.25E-07	1.64E-07	6.15E-09	2.04E-08	2.65E-08	3.31E-09	9.45E-09	1.28E-08
4951	437370.79	3762293.9	3.90E-08	1.23E-07	1.62E-07	6.06E-09	2.01E-08	2.61E-08	3.27E-09	9.31E-09	1.26E-08
4952	437003.98	3762682.8	7.11E-08	2.24E-07	2.95E-07	1.11E-08	3.66E-08	4.76E-08	5.95E-09	1.70E-08	2.29E-08
4953	437003.98	3762698.72	7.33E-08	2.31E-07	3.04E-07	1.14E-08	3.77E-08	4.91E-08	6.13E-09	1.75E-08	2.36E-08
4954	436976.97	3762667.61	6.19E-08	1.95E-07	2.57E-07	9.62E-09	3.19E-08	4.15E-08	5.18E-09	1.48E-08	2.00E-08
4955	436982.94	3762653.15	6.15E-08	1.94E-07	2.55E-07	9.55E-09	3.16E-08	4.12E-08	5.15E-09	1.47E-08	1.98E-08
4956	436988.91	3762638.69	6.09E-08	1.92E-07	2.52E-07	9.46E-09	3.13E-08	4.08E-08	5.09E-09	1.45E-08	1.96E-08
4957	436994.89	3762624.23	6.01E-08	1.89E-07	2.49E-07	9.34E-09	3.09E-08	4.02E-08	5.03E-09	1.43E-08	1.94E-08
4958	437000.86	3762609.77	5.92E-08	1.86E-07	2.46E-07	9.20E-09	3.05E-08	3.97E-08	4.96E-09	1.41E-08	1.91E-08
4959	437006.83	3762595.31	5.82E-08	1.83E-07	2.42E-07	9.05E-09	2.99E-08	3.90E-08	4.87E-09	1.39E-08	1.88E-08
4960	437012.8	3762580.86	5.71E-08	1.80E-07	2.37E-07	8.87E-09	2.94E-08	3.82E-08	4.78E-09	1.36E-08	1.84E-08
4961	437018.78	3762566.4	5.59E-08	1.76E-07	2.32E-07	8.68E-09	2.87E-08	3.74E-08	4.68E-09	1.33E-08	1.80E-08
4962	437024.75	3762551.94	5.47E-08	1.72E-07	2.27E-07	8.50E-09	2.81E-08	3.66E-08	4.58E-09	1.30E-08	1.76E-08
4963	437030.72	3762537.48	5.35E-08	1.69E-07	2.22E-07	8.31E-09	2.75E-08	3.58E-08	4.48E-09	1.28E-08	1.72E-08
4964	437036.7	3762523.02	5.23E-08	1.65E-07	2.17E-07	8.13E-09	2.69E-08	3.51E-08	4.38E-09	1.25E-08	1.69E-08
4965	437042.67	3762508.56	5.12E-08	1.61E-07	2.12E-07	7.95E-09	2.63E-08	3.43E-08	4.28E-09	1.22E-08	1.65E-08
4966	437048.64	3762494.1	5.00E-08	1.57E-07	2.07E-07	7.77E-09	2.57E-08	3.35E-08	4.19E-09	1.19E-08	1.61E-08
4967	437066.56	3762450.72	4.62E-08	1.46E-07	1.92E-07	7.18E-09	2.38E-08	3.10E-08	3.87E-09	1.10E-08	1.49E-08
4968	437072.53	3762436.26	4.50E-08	1.42E-07	1.87E-07	6.99E-09	2.32E-08	3.02E-08	3.77E-09	1.07E-08	1.45E-08
4969	437078.51	3762421.8	4.38E-08	1.38E-07	1.82E-07	6.80E-09	2.25E-08	2.93E-08	3.66E-09	1.04E-08	1.41E-08
4970	437084.48	3762407.34	4.24E-08	1.34E-07	1.76E-07	6.59E-09	2.18E-08	2.84E-08	3.55E-09	1.01E-08	1.37E-08
4971	437090.45	3762392.89	4.10E-08	1.29E-07	1.70E-07	6.38E-09	2.11E-08	2.75E-08	3.43E-09	9.79E-09	1.32E-08
4972	437103.64	3762375.41	3.98E-08	1.25E-07	1.65E-07	6.19E-09	2.05E-08	2.67E-08	3.33E-09	9.50E-09	1.28E-08
4973	437118.08	3762369.38	4.01E-08	1.26E-07	1.66E-07	6.23E-09	2.06E-08	2.69E-08	3.36E-09	9.57E-09	1.29E-08
4974	437132.52	3762363.35	4.02E-08	1.27E-07	1.67E-07	6.25E-09	2.07E-08	2.69E-08	3.36E-09	9.59E-09	1.30E-08
4975	437146.95	3762357.33	4.03E-08	1.27E-07	1.67E-07	6.26E-09	2.07E-08	2.70E-08	3.37E-09	9.62E-09	1.30E-08
4976	437190.26	3762339.24	4.01E-08	1.26E-07	1.66E-07	6.23E-09	2.06E-08	2.69E-08	3.36E-09	9.57E-09	1.29E-08
4977	437204.7	3762333.21	3.99E-08	1.26E-07	1.65E-07	6.20E-09	2.05E-08	2.67E-08	3.34E-09	9.52E-09	1.29E-08
4978	437219.13	3762327.18	3.96E-08	1.25E-07	1.64E-07	6.15E-09	2.04E-08	2.65E-08	3.31E-09	9.45E-09	1.28E-08
4979	437233.57	3762321.16	3.92E-08	1.24E-07	1.63E-07	6.09E-09	2.02E-08	2.63E-08	3.28E-09	9.36E-09	1.26E-08
4980	437248.01	3762315.13	3.88E-08	1.22E-07	1.61E-07	6.03E-09	2.00E-08	2.60E-08	3.25E-09	9.26E-09	1.25E-08
4981	437262.44	3762309.1	3.83E-08	1.21E-07	1.59E-07	5.95E-09	1.97E-08	2.57E-08	3.21E-09	9.14E-09	1.24E-08
4982	437276.88	3762303.07	3.78E-08	1.19E-07	1.57E-07	5.87E-09	1.95E-08	2.53E-08	3.16E-09	9.02E-09	1.22E-08
4983	437291.31	3762297.04	3.73E-08	1.17E-07	1.55E-07	5.79E-09	1.92E-08	2.50E-08	3.12E-09	8.89E-09	1.20E-08
4984	437305.75	3762291.01	3.67E-08	1.16E-07	1.52E-07	5.71E-09	1.89E-08	2.46E-08	3.07E-09	8.76E-09	1.18E-08
4985	437320.19	3762284.99	3.62E-08	1.14E-07	1.50E-07	5.62E-09	1.86E-08	2.42E-08	3.03E-09	8.63E-09	1.17E-08
4986	437334.62	3762278.96	3.56E-08	1.12E-07	1.48E-07	5.54E-09	1.83E-08	2.39E-08	2.98E-09	8.51E-09	1.15E-08
4987	437349.06	3762272.93	3.51E-08	1.11E-07	1.46E-07	5.46E-09	1.81E-08	2.35E-08	2.94E-09	8.38E-09	1.13E-08
4988	437363.49	3762266.9	3.47E-08	1.09E-07	1.44E-07	5.38E-09	1.78E-08	2.32E-08	2.90E-09	8.27E-09	1.12E-08
4989	437377.93	3762260.87	3.42E-08	1.08E-07	1.42E-07	5.31E-09	1.76E-08	2.29E-08	2.86E-09	8.16E-09	1.10E-08
4990	436973.98	3762682.8	6.30E-08	1.98E-07	2.61E-07	9.79E-09	3.24E-08	4.22E-08	5.27E-09	1.50E-08	2.03E-08
4991	436973.98	3762698.72	6.47E-08	2.04E-07	2.68E-07	1.01E-08	3.33E-08	4.33E-08	5.42E-09	1.54E-08	2.09E-08
4992	436946.96	3762667.62	5.54E-08	1.74E-07	2.30E-07	8.60E-09	2.85E-08	3.71E-08	4.63E-09	1.32E-08	1.78E-08
4993	436952.92	3762653.19	5.50E-08	1.73E-07	2.28E-07	8.55E-09	2.83E-08	3.69E-08	4.61E-09	1.31E-08	1.77E-08
4994	436958.89	3762638.75	5.46E-08	1.72E-07	2.26E-07	8.48E-09	2.81E-08	3.66E-08	4.57E-09	1.30E-08	1.76E-08
4995	436964.85	3762624.31	5.40E-08	1.70E-07	2.24E-07	8.39E-09	2.78E-08	3.62E-08	4.52E-09	1.29E-08	1.74E-08
4996	436970.81	3762609.88	5.33E-08	1.68E-07	2.21E-07	8.28E-09	2.74E-08	3.57E-08	4.46E-09	1.27E-08	1.72E-08
4997	436976.78	3762595.44	5.25E-08	1.65E-07	2.18E-07	8.16E-09	2.70E-08	3.52E-08	4.39E-09	1.25E-08	1.69E-08
4998	436982.74	3762581.01	5.16E-08	1.63E-07	2.14E-07	8.02E-09	2.66E-08	3.46E-08	4.32E-09	1.23E-08	1.66E-08

4999	436988.7	3762566.57	5.07E-08	1.60E-07	2.10E-07	7.88E-09	2.61E-08	3.40E-08	4.24E-09	1.21E-08	1.63E-08
5000	436994.67	3762552.14	4.97E-08	1.56E-07	2.06E-07	7.72E-09	2.56E-08	3.33E-08	4.16E-09	1.19E-08	1.60E-08
5001	437000.63	3762537.7	4.86E-08	1.53E-07	2.02E-07	7.56E-09	2.50E-08	3.26E-08	4.07E-09	1.16E-08	1.57E-08
5002	437006.59	3762523.26	4.77E-08	1.50E-07	1.98E-07	7.41E-09	2.45E-08	3.19E-08	3.99E-09	1.14E-08	1.54E-08
5003	437012.56	3762508.83	4.67E-08	1.47E-07	1.94E-07	7.25E-09	2.40E-08	3.13E-08	3.91E-09	1.11E-08	1.50E-08
5004	437018.52	3762494.39	4.57E-08	1.44E-07	1.89E-07	7.09E-09	2.35E-08	3.06E-08	3.82E-09	1.09E-08	1.47E-08
5005	437036.41	3762451.09	4.25E-08	1.34E-07	1.77E-07	6.61E-09	2.19E-08	2.85E-08	3.56E-09	1.02E-08	1.37E-08
5006	437042.37	3762436.65	4.16E-08	1.31E-07	1.73E-07	6.46E-09	2.14E-08	2.79E-08	3.48E-09	9.92E-09	1.34E-08
5007	437048.34	3762422.21	4.06E-08	1.28E-07	1.68E-07	6.31E-09	2.09E-08	2.72E-08	3.40E-09	9.69E-09	1.31E-08
5008	437054.3	3762407.78	3.95E-08	1.25E-07	1.64E-07	6.14E-09	2.03E-08	2.65E-08	3.31E-09	9.43E-09	1.27E-08
5009	437060.26	3762393.34	3.84E-08	1.21E-07	1.59E-07	5.97E-09	1.98E-08	2.57E-08	3.22E-09	9.17E-09	1.24E-08
5010	437066.23	3762378.91	3.73E-08	1.17E-07	1.55E-07	5.79E-09	1.92E-08	2.50E-08	3.12E-09	8.89E-09	1.20E-08
5011	437072.19	3762364.47	3.61E-08	1.14E-07	1.50E-07	5.60E-09	1.86E-08	2.42E-08	3.02E-09	8.61E-09	1.16E-08
5012	437082.38	3762354.24	3.56E-08	1.12E-07	1.48E-07	5.53E-09	1.83E-08	2.38E-08	2.98E-09	8.49E-09	1.15E-08
5013	437096.79	3762348.23	3.58E-08	1.13E-07	1.48E-07	5.56E-09	1.84E-08	2.40E-08	3.00E-09	8.54E-09	1.15E-08
5014	437111.2	3762342.21	3.59E-08	1.13E-07	1.49E-07	5.58E-09	1.85E-08	2.40E-08	3.00E-09	8.57E-09	1.16E-08
5015	437125.62	3762336.19	3.59E-08	1.13E-07	1.49E-07	5.58E-09	1.85E-08	2.40E-08	3.00E-09	8.57E-09	1.16E-08
5016	437140.03	3762330.17	3.59E-08	1.13E-07	1.49E-07	5.58E-09	1.85E-08	2.41E-08	3.01E-09	8.58E-09	1.16E-08
5017	437183.27	3762312.11	3.58E-08	1.13E-07	1.49E-07	5.57E-09	1.84E-08	2.40E-08	3.00E-09	8.55E-09	1.16E-08
5018	437197.68	3762306.1	3.56E-08	1.12E-07	1.48E-07	5.53E-09	1.83E-08	2.39E-08	2.98E-09	8.50E-09	1.15E-08
5019	437212.09	3762300.08	3.53E-08	1.11E-07	1.47E-07	5.49E-09	1.82E-08	2.37E-08	2.96E-09	8.43E-09	1.14E-08
5020	437226.51	3762294.06	3.50E-08	1.10E-07	1.45E-07	5.44E-09	1.80E-08	2.34E-08	2.93E-09	8.35E-09	1.13E-08
5021	437240.92	3762288.04	3.46E-08	1.09E-07	1.43E-07	5.37E-09	1.78E-08	2.32E-08	2.89E-09	8.25E-09	1.11E-08
5022	437255.33	3762282.02	3.41E-08	1.08E-07	1.42E-07	5.31E-09	1.76E-08	2.29E-08	2.86E-09	8.15E-09	1.10E-08
5023	437269.74	3762276	3.37E-08	1.06E-07	1.40E-07	5.23E-09	1.73E-08	2.26E-08	2.82E-09	8.04E-09	1.09E-08
5024	437284.16	3762269.98	3.32E-08	1.05E-07	1.38E-07	5.16E-09	1.71E-08	2.23E-08	2.78E-09	7.93E-09	1.07E-08
5025	437298.57	3762263.96	3.28E-08	1.03E-07	1.36E-07	5.09E-09	1.69E-08	2.19E-08	2.74E-09	7.82E-09	1.06E-08
5026	437312.98	3762257.95	3.23E-08	1.02E-07	1.34E-07	5.02E-09	1.66E-08	2.16E-08	2.70E-09	7.71E-09	1.04E-08
5027	437327.39	3762251.93	3.18E-08	1.00E-07	1.32E-07	4.95E-09	1.64E-08	2.13E-08	2.67E-09	7.60E-09	1.03E-08
5028	437341.81	3762245.91	3.14E-08	9.89E-08	1.30E-07	4.88E-09	1.62E-08	2.10E-08	2.63E-09	7.50E-09	1.01E-08
5029	437356.22	3762239.89	3.10E-08	9.76E-08	1.29E-07	4.82E-09	1.59E-08	2.08E-08	2.59E-09	7.40E-09	9.99E-09
5030	437370.63	3762233.87	3.06E-08	9.64E-08	1.27E-07	4.76E-09	1.57E-08	2.05E-08	2.56E-09	7.31E-09	9.87E-09
5031	436943.98	3762682.8	5.62E-08	1.77E-07	2.33E-07	8.73E-09	2.89E-08	3.76E-08	4.70E-09	1.34E-08	1.81E-08
5032	436943.98	3762698.72	5.75E-08	1.81E-07	2.39E-07	8.94E-09	2.96E-08	3.85E-08	4.82E-09	1.37E-08	1.85E-08
5033	436916.96	3762667.63	4.98E-08	1.57E-07	2.06E-07	7.73E-09	2.56E-08	3.33E-08	4.17E-09	1.19E-08	1.60E-08
5034	436922.91	3762653.22	4.95E-08	1.56E-07	2.06E-07	7.70E-09	2.55E-08	3.32E-08	4.15E-09	1.18E-08	1.60E-08
5035	436928.87	3762638.8	4.92E-08	1.55E-07	2.04E-07	7.64E-09	2.53E-08	3.30E-08	4.12E-09	1.17E-08	1.59E-08
5036	436934.82	3762624.39	4.87E-08	1.54E-07	2.02E-07	7.57E-09	2.51E-08	3.27E-08	4.08E-09	1.16E-08	1.57E-08
5037	436940.78	3762609.97	4.82E-08	1.52E-07	2.00E-07	7.49E-09	2.48E-08	3.23E-08	4.03E-09	1.15E-08	1.55E-08
5038	436946.73	3762595.56	4.76E-08	1.50E-07	1.97E-07	7.39E-09	2.45E-08	3.19E-08	3.98E-09	1.14E-08	1.53E-08
5039	436952.69	3762581.14	4.69E-08	1.48E-07	1.94E-07	7.28E-09	2.41E-08	3.14E-08	3.92E-09	1.12E-08	1.51E-08
5040	436958.64	3762566.73	4.61E-08	1.45E-07	1.91E-07	7.16E-09	2.37E-08	3.09E-08	3.86E-09	1.10E-08	1.49E-08
5041	436964.6	3762552.31	4.53E-08	1.43E-07	1.88E-07	7.04E-09	2.33E-08	3.03E-08	3.79E-09	1.08E-08	1.46E-08
5042	436970.55	3762537.89	4.45E-08	1.40E-07	1.85E-07	6.91E-09	2.29E-08	2.98E-08	3.72E-09	1.06E-08	1.43E-08
5043	436976.51	3762523.48	4.37E-08	1.37E-07	1.81E-07	6.78E-09	2.25E-08	2.92E-08	3.65E-09	1.04E-08	1.41E-08
5044	436982.46	3762509.06	4.28E-08	1.35E-07	1.78E-07	6.65E-09	2.20E-08	2.87E-08	3.58E-09	1.02E-08	1.38E-08
5045	436988.41	3762494.65	4.19E-08	1.32E-07	1.74E-07	6.51E-09	2.16E-08	2.81E-08	3.51E-09	1.00E-08	1.35E-08
5046	437006.28	3762451.4	3.94E-08	1.24E-07	1.63E-07	6.12E-09	2.03E-08	2.64E-08	3.30E-09	9.40E-09	1.27E-08
5047	437012.23	3762436.99	3.86E-08	1.21E-07	1.60E-07	5.99E-09	1.98E-08	2.58E-08	3.23E-09	9.21E-09	1.24E-08
5048	437018.19	3762422.57	3.77E-08	1.19E-07	1.57E-07	5.86E-09	1.94E-08	2.53E-08	3.16E-09	9.01E-09	1.22E-08
5049	437024.14	3762408.16	3.69E-08	1.16E-07	1.53E-07	5.73E-09	1.90E-08	2.47E-08	3.09E-09	8.80E-09	1.19E-08
5050	437030.1	3762393.74	3.60E-08	1.13E-07	1.49E-07	5.59E-09	1.85E-08	2.41E-08	3.01E-09	8.58E-09	1.16E-08
5051	437036.05	3762379.33	3.50E-08	1.10E-07	1.45E-07	5.44E-09	1.80E-08	2.34E-08	2.93E-09	8.35E-09	1.13E-08
5052	437042.01	3762364.91	3.40E-08	1.07E-07	1.41E-07	5.28E-09	1.75E-08	2.28E-08	2.85E-09	8.11E-09	1.10E-08
5053	437047.96	3762350.5	3.30E-08	1.04E-07	1.37E-07	5.13E-09	1.70E-08	2.21E-08	2.76E-09	7.87E-09	1.06E-08
5054	437061.11	3762333.08	3.20E-08	1.01E-07	1.33E-07	4.98E-09	1.65E-08	2.15E-08	2.68E-09	7.65E-09	1.03E-08
5055	437075.51	3762327.07	3.22E-08	1.01E-07	1.34E-07	5.00E-09	1.66E-08	2.16E-08	2.70E-09	7.69E-09	1.04E-08
5056	437089.9	3762321.06	3.23E-08	1.02E-07	1.34E-07	5.03E-09	1.66E-08	2.17E-08	2.71E-09	7.72E-09	1.04E-08
5057	437104.29	3762315.05	3.24E-08	1.02E-07	1.35E-07	5.04E-09	1.67E-08	2.17E-08	2.71E-09	7.74E-09	1.04E-08
5058	437118.68	3762309.04	3.24E-08	1.02E-07	1.35E-07	5.04E-09	1.67E-08	2.17E-08	2.72E-09	7.74E-09	1.05E-08
5059	437133.08	3762303.03	3.25E-08	1.02E-07	1.35E-07	5.04E-09	1.67E-08	2.17E-08	2.72E-09	7.75E-09	1.05E-08

5060	437147.47	3762297.02	3.25E-08	1.02E-07	1.35E-07	5.04E-09	1.67E-08	2.17E-08	2.72E-09	7.75E-09	1.05E-08
5061	437190.64	3762278.99	3.20E-08	1.01E-07	1.33E-07	4.97E-09	1.65E-08	2.14E-08	2.68E-09	7.64E-09	1.03E-08
5062	437205.04	3762272.97	3.17E-08	9.99E-08	1.32E-07	4.93E-09	1.63E-08	2.13E-08	2.66E-09	7.57E-09	1.02E-08
5063	437219.43	3762266.96	3.14E-08	9.89E-08	1.30E-07	4.88E-09	1.62E-08	2.10E-08	2.63E-09	7.49E-09	1.01E-08
5064	437233.82	3762260.95	3.10E-08	9.77E-08	1.29E-07	4.82E-09	1.60E-08	2.08E-08	2.60E-09	7.40E-09	1.00E-08
5065	437248.21	3762254.94	3.06E-08	9.65E-08	1.27E-07	4.76E-09	1.58E-08	2.05E-08	2.56E-09	7.31E-09	9.87E-09
5066	437262.61	3762248.93	3.02E-08	9.52E-08	1.25E-07	4.70E-09	1.56E-08	2.02E-08	2.53E-09	7.21E-09	9.74E-09
5067	437277	3762242.92	2.98E-08	9.39E-08	1.24E-07	4.63E-09	1.53E-08	2.00E-08	2.50E-09	7.12E-09	9.61E-09
5068	437291.39	3762236.91	2.94E-08	9.27E-08	1.22E-07	4.57E-09	1.51E-08	1.97E-08	2.46E-09	7.02E-09	9.48E-09
5069	437305.78	3762230.9	2.90E-08	9.14E-08	1.20E-07	4.51E-09	1.49E-08	1.94E-08	2.43E-09	6.93E-09	9.36E-09
5070	437320.18	3762224.89	2.86E-08	9.02E-08	1.19E-07	4.45E-09	1.47E-08	1.92E-08	2.40E-09	6.84E-09	9.23E-09
5071	437334.57	3762218.88	2.83E-08	8.90E-08	1.17E-07	4.39E-09	1.45E-08	1.89E-08	2.37E-09	6.75E-09	9.11E-09
5072	437348.96	3762212.87	2.79E-08	8.79E-08	1.16E-07	4.34E-09	1.44E-08	1.87E-08	2.34E-09	6.66E-09	9.00E-09
5073	437363.35	3762206.86	2.76E-08	8.69E-08	1.14E-07	4.29E-09	1.42E-08	1.85E-08	2.31E-09	6.58E-09	8.89E-09
5074	437377.74	3762200.85	2.73E-08	8.59E-08	1.13E-07	4.24E-09	1.40E-08	1.83E-08	2.28E-09	6.51E-09	8.79E-09
5075	436913.98	3762682.8	5.04E-08	1.59E-07	2.09E-07	7.83E-09	2.59E-08	3.38E-08	4.22E-09	1.20E-08	1.63E-08
5076	436913.98	3762698.72	5.15E-08	1.62E-07	2.14E-07	8.00E-09	2.65E-08	3.45E-08	4.31E-09	1.23E-08	1.66E-08
5077	436887.01	3762667.49	4.49E-08	1.41E-07	1.86E-07	6.98E-09	2.31E-08	3.01E-08	3.76E-09	1.07E-08	1.45E-08
5078	436893.08	3762652.8	4.48E-08	1.41E-07	1.86E-07	6.96E-09	2.30E-08	3.00E-08	3.75E-09	1.07E-08	1.44E-08
5079	436899.15	3762638.11	4.45E-08	1.40E-07	1.85E-07	6.91E-09	2.29E-08	2.98E-08	3.72E-09	1.06E-08	1.43E-08
5080	436905.22	3762623.42	4.41E-08	1.39E-07	1.83E-07	6.86E-09	2.27E-08	2.96E-08	3.69E-09	1.05E-08	1.42E-08
5081	436911.29	3762608.73	4.37E-08	1.38E-07	1.81E-07	6.79E-09	2.25E-08	2.93E-08	3.66E-09	1.04E-08	1.41E-08
5082	436917.36	3762594.04	4.32E-08	1.36E-07	1.79E-07	6.71E-09	2.22E-08	2.89E-08	3.62E-09	1.03E-08	1.39E-08
5083	436923.43	3762579.35	4.26E-08	1.34E-07	1.77E-07	6.62E-09	2.19E-08	2.86E-08	3.57E-09	1.02E-08	1.37E-08
5084	436929.5	3762564.66	4.20E-08	1.32E-07	1.74E-07	6.53E-09	2.16E-08	2.81E-08	3.52E-09	1.00E-08	1.35E-08
5085	436935.56	3762549.97	4.13E-08	1.30E-07	1.71E-07	6.42E-09	2.13E-08	2.77E-08	3.46E-09	9.86E-09	1.33E-08
5086	436941.63	3762535.27	4.06E-08	1.28E-07	1.69E-07	6.31E-09	2.09E-08	2.72E-08	3.40E-09	9.70E-09	1.31E-08
5087	436947.7	3762520.58	3.99E-08	1.26E-07	1.66E-07	6.20E-09	2.05E-08	2.67E-08	3.34E-09	9.52E-09	1.29E-08
5088	436953.77	3762505.89	3.92E-08	1.23E-07	1.63E-07	6.09E-09	2.02E-08	2.62E-08	3.28E-09	9.35E-09	1.26E-08
5089	436959.84	3762491.2	3.84E-08	1.21E-07	1.59E-07	5.97E-09	1.98E-08	2.57E-08	3.22E-09	9.17E-09	1.24E-08
5090	436978.05	3762447.13	3.63E-08	1.14E-07	1.50E-07	5.63E-09	1.87E-08	2.43E-08	3.03E-09	8.65E-09	1.17E-08
5091	436984.11	3762432.44	3.56E-08	1.12E-07	1.48E-07	5.53E-09	1.83E-08	2.38E-08	2.98E-09	8.49E-09	1.15E-08
5092	436990.18	3762417.75	3.49E-08	1.10E-07	1.45E-07	5.42E-09	1.79E-08	2.34E-08	2.92E-09	8.32E-09	1.12E-08
5093	436996.25	3762403.06	3.41E-08	1.07E-07	1.42E-07	5.30E-09	1.76E-08	2.29E-08	2.86E-09	8.14E-09	1.10E-08
5094	437002.32	3762388.36	3.33E-08	1.05E-07	1.38E-07	5.18E-09	1.72E-08	2.23E-08	2.79E-09	7.96E-09	1.07E-08
5095	437008.39	3762373.67	3.25E-08	1.02E-07	1.35E-07	5.05E-09	1.67E-08	2.18E-08	2.72E-09	7.76E-09	1.05E-08
5096	437014.46	3762358.98	3.17E-08	9.97E-08	1.31E-07	4.92E-09	1.63E-08	2.12E-08	2.65E-09	7.56E-09	1.02E-08
5097	437020.53	3762344.29	3.08E-08	9.70E-08	1.28E-07	4.78E-09	1.58E-08	2.06E-08	2.58E-09	7.35E-09	9.93E-09
5098	437026.59	3762329.6	2.99E-08	9.42E-08	1.24E-07	4.65E-09	1.54E-08	2.00E-08	2.50E-09	7.14E-09	9.64E-09
5099	437040	3762311.85	2.91E-08	9.17E-08	1.21E-07	4.52E-09	1.50E-08	1.95E-08	2.44E-09	6.95E-09	9.39E-09
5100	437054.67	3762305.72	2.93E-08	9.22E-08	1.22E-07	4.55E-09	1.51E-08	1.96E-08	2.45E-09	6.99E-09	9.44E-09
5101	437069.33	3762299.6	2.94E-08	9.26E-08	1.22E-07	4.57E-09	1.51E-08	1.97E-08	2.46E-09	7.02E-09	9.48E-09
5102	437084	3762293.47	2.95E-08	9.29E-08	1.22E-07	4.59E-09	1.52E-08	1.98E-08	2.47E-09	7.04E-09	9.51E-09
5103	437098.67	3762287.35	2.96E-08	9.31E-08	1.23E-07	4.59E-09	1.52E-08	1.98E-08	2.47E-09	7.06E-09	9.53E-09
5104	437113.34	3762281.22	2.96E-08	9.32E-08	1.23E-07	4.60E-09	1.52E-08	1.98E-08	2.48E-09	7.06E-09	9.54E-09
5105	437128	3762275.1	2.96E-08	9.31E-08	1.23E-07	4.59E-09	1.52E-08	1.98E-08	2.47E-09	7.05E-09	9.53E-09
5106	437142.67	3762268.97	2.95E-08	9.28E-08	1.22E-07	4.58E-09	1.52E-08	1.97E-08	2.47E-09	7.03E-09	9.50E-09
5107	437157.34	3762262.85	2.93E-08	9.23E-08	1.22E-07	4.56E-09	1.51E-08	1.96E-08	2.45E-09	7.00E-09	9.45E-09
5108	437172.01	3762256.72	2.91E-08	9.18E-08	1.21E-07	4.53E-09	1.50E-08	1.95E-08	2.44E-09	6.95E-09	9.39E-09
5109	437186.67	3762250.6	2.89E-08	9.10E-08	1.20E-07	4.49E-09	1.49E-08	1.94E-08	2.42E-09	6.89E-09	9.31E-09
5110	437201.34	3762244.47	2.86E-08	9.01E-08	1.19E-07	4.44E-09	1.47E-08	1.92E-08	2.39E-09	6.82E-09	9.22E-09
5111	437216.01	3762238.34	2.83E-08	8.90E-08	1.17E-07	4.39E-09	1.45E-08	1.89E-08	2.37E-09	6.75E-09	9.11E-09
5112	437230.68	3762232.22	2.79E-08	8.79E-08	1.16E-07	4.34E-09	1.44E-08	1.87E-08	2.34E-09	6.66E-09	9.00E-09
5113	437245.34	3762226.09	2.76E-08	8.68E-08	1.14E-07	4.28E-09	1.42E-08	1.85E-08	2.31E-09	6.58E-09	8.88E-09
5114	437260.01	3762219.97	2.72E-08	8.57E-08	1.13E-07	4.23E-09	1.40E-08	1.82E-08	2.28E-09	6.49E-09	8.77E-09
5115	437274.68	3762213.84	2.68E-08	8.45E-08	1.11E-07	4.17E-09	1.38E-08	1.80E-08	2.25E-09	6.40E-09	8.65E-09
5116	437289.35	3762207.72	2.65E-08	8.34E-08	1.10E-07	4.12E-09	1.36E-08	1.77E-08	2.22E-09	6.32E-09	8.54E-09
5117	437304.02	3762201.59	2.61E-08	8.23E-08	1.08E-07	4.06E-09	1.35E-08	1.75E-08	2.19E-09	6.24E-09	8.43E-09
5118	437318.68	3762195.47	2.58E-08	8.13E-08	1.07E-07	4.01E-09	1.33E-08	1.73E-08	2.16E-09	6.16E-09	8.32E-09
5119	437333.35	3762189.34	2.55E-08	8.03E-08	1.06E-07	3.96E-09	1.31E-08	1.71E-08	2.13E-09	6.08E-09	8.21E-09
5120	437348.02	3762183.22	2.52E-08	7.93E-08	1.04E-07	3.91E-09	1.30E-08	1.69E-08	2.11E-09	6.01E-09	8.12E-09

5121	437362.69	3762177.09	2.49E-08	7.84E-08	1.03E-07	3.87E-09	1.28E-08	1.67E-08	2.08E-09	5.94E-09	8.02E-09
5122	437377.35	3762170.97	2.46E-08	7.76E-08	1.02E-07	3.83E-09	1.27E-08	1.65E-08	2.06E-09	5.88E-09	7.94E-09
5123	436883.98	3762682.8	4.54E-08	1.43E-07	1.89E-07	7.06E-09	2.34E-08	3.04E-08	3.80E-09	1.08E-08	1.46E-08
5124	436883.98	3762698.72	4.63E-08	1.46E-07	1.92E-07	7.20E-09	2.38E-08	3.10E-08	3.88E-09	1.11E-08	1.49E-08
5125	436857.01	3762667.51	4.08E-08	1.28E-07	1.69E-07	6.34E-09	2.10E-08	2.73E-08	3.41E-09	9.73E-09	1.31E-08
5126	436863.06	3762652.85	4.07E-08	1.28E-07	1.69E-07	6.32E-09	2.09E-08	2.72E-08	3.40E-09	9.71E-09	1.31E-08
5127	436869.12	3762638.2	4.05E-08	1.27E-07	1.68E-07	6.29E-09	2.08E-08	2.71E-08	3.39E-09	9.66E-09	1.30E-08
5128	436875.17	3762623.54	4.02E-08	1.26E-07	1.67E-07	6.24E-09	2.07E-08	2.69E-08	3.36E-09	9.58E-09	1.29E-08
5129	436881.23	3762608.88	3.98E-08	1.25E-07	1.65E-07	6.18E-09	2.05E-08	2.67E-08	3.33E-09	9.50E-09	1.28E-08
5130	436887.28	3762594.22	3.94E-08	1.24E-07	1.63E-07	6.12E-09	2.03E-08	2.64E-08	3.30E-09	9.40E-09	1.27E-08
5131	436893.34	3762579.56	3.90E-08	1.23E-07	1.62E-07	6.06E-09	2.01E-08	2.61E-08	3.26E-09	9.30E-09	1.26E-08
5132	436899.39	3762564.91	3.85E-08	1.21E-07	1.60E-07	5.98E-09	1.98E-08	2.58E-08	3.22E-09	9.18E-09	1.24E-08
5133	436905.45	3762550.25	3.79E-08	1.19E-07	1.57E-07	5.89E-09	1.95E-08	2.54E-08	3.17E-09	9.05E-09	1.22E-08
5134	436911.5	3762535.59	3.74E-08	1.18E-07	1.55E-07	5.80E-09	1.92E-08	2.50E-08	3.13E-09	8.91E-09	1.20E-08
5135	436917.56	3762520.93	3.68E-08	1.16E-07	1.53E-07	5.71E-09	1.89E-08	2.46E-08	3.08E-09	8.77E-09	1.18E-08
5136	436923.61	3762506.27	3.61E-08	1.14E-07	1.50E-07	5.61E-09	1.86E-08	2.42E-08	3.02E-09	8.62E-09	1.16E-08
5137	436929.67	3762491.62	3.55E-08	1.12E-07	1.47E-07	5.52E-09	1.83E-08	2.38E-08	2.97E-09	8.47E-09	1.14E-08
5138	436947.83	3762447.64	3.36E-08	1.06E-07	1.39E-07	5.22E-09	1.73E-08	2.25E-08	2.81E-09	8.02E-09	1.08E-08
5139	436953.89	3762432.99	3.31E-08	1.04E-07	1.37E-07	5.14E-09	1.70E-08	2.22E-08	2.77E-09	7.89E-09	1.07E-08
5140	436959.94	3762418.33	3.25E-08	1.02E-07	1.35E-07	5.05E-09	1.67E-08	2.18E-08	2.72E-09	7.75E-09	1.05E-08
5141	436966	3762403.67	3.19E-08	1.00E-07	1.32E-07	4.95E-09	1.64E-08	2.13E-08	2.67E-09	7.60E-09	1.03E-08
5142	436972.05	3762389.01	3.12E-08	9.83E-08	1.29E-07	4.85E-09	1.61E-08	2.09E-08	2.61E-09	7.45E-09	1.01E-08
5143	436978.11	3762374.35	3.05E-08	9.62E-08	1.27E-07	4.74E-09	1.57E-08	2.05E-08	2.56E-09	7.29E-09	9.84E-09
5144	436984.16	3762359.7	2.98E-08	9.40E-08	1.24E-07	4.64E-09	1.54E-08	2.00E-08	2.50E-09	7.12E-09	9.62E-09
5145	436990.22	3762345.04	2.91E-08	9.17E-08	1.21E-07	4.53E-09	1.50E-08	1.95E-08	2.44E-09	6.95E-09	9.39E-09
5146	436996.27	3762330.38	2.84E-08	8.94E-08	1.18E-07	4.41E-09	1.46E-08	1.90E-08	2.38E-09	6.77E-09	9.15E-09
5147	437002.33	3762315.72	2.76E-08	8.70E-08	1.15E-07	4.29E-09	1.42E-08	1.85E-08	2.31E-09	6.59E-09	8.91E-09
5148	437008.38	3762301.07	2.69E-08	8.47E-08	1.12E-07	4.18E-09	1.38E-08	1.80E-08	2.25E-09	6.42E-09	8.67E-09
5149	437018.73	3762290.68	2.66E-08	8.38E-08	1.10E-07	4.14E-09	1.37E-08	1.78E-08	2.23E-09	6.35E-09	8.58E-09
5150	437033.36	3762284.57	2.68E-08	8.44E-08	1.11E-07	4.16E-09	1.38E-08	1.79E-08	2.24E-09	6.39E-09	8.63E-09
5151	437048	3762278.46	2.69E-08	8.48E-08	1.12E-07	4.18E-09	1.39E-08	1.80E-08	2.25E-09	6.42E-09	8.68E-09
5152	437062.63	3762272.35	2.70E-08	8.51E-08	1.12E-07	4.20E-09	1.39E-08	1.81E-08	2.26E-09	6.45E-09	8.71E-09
5153	437077.26	3762266.24	2.71E-08	8.53E-08	1.12E-07	4.21E-09	1.39E-08	1.81E-08	2.27E-09	6.46E-09	8.73E-09
5154	437091.9	3762260.12	2.71E-08	8.53E-08	1.12E-07	4.21E-09	1.39E-08	1.82E-08	2.27E-09	6.47E-09	8.73E-09
5155	437106.53	3762254.01	2.71E-08	8.52E-08	1.12E-07	4.21E-09	1.39E-08	1.81E-08	2.27E-09	6.46E-09	8.72E-09
5156	437121.17	3762247.9	2.70E-08	8.50E-08	1.12E-07	4.19E-09	1.39E-08	1.81E-08	2.26E-09	6.44E-09	8.70E-09
5157	437135.8	3762241.79	2.69E-08	8.46E-08	1.12E-07	4.18E-09	1.38E-08	1.80E-08	2.25E-09	6.41E-09	8.66E-09
5158	437150.44	3762235.68	2.67E-08	8.41E-08	1.11E-07	4.15E-09	1.37E-08	1.79E-08	2.24E-09	6.38E-09	8.61E-09
5159	437165.07	3762229.57	2.65E-08	8.35E-08	1.10E-07	4.12E-09	1.36E-08	1.78E-08	2.22E-09	6.33E-09	8.54E-09
5160	437179.71	3762223.46	2.63E-08	8.27E-08	1.09E-07	4.08E-09	1.35E-08	1.76E-08	2.20E-09	6.27E-09	8.47E-09
5161	437194.34	3762217.35	2.60E-08	8.18E-08	1.08E-07	4.04E-09	1.34E-08	1.74E-08	2.18E-09	6.20E-09	8.38E-09
5162	437208.98	3762211.23	2.57E-08	8.09E-08	1.07E-07	3.99E-09	1.32E-08	1.72E-08	2.15E-09	6.13E-09	8.28E-09
5163	437223.61	3762205.12	2.54E-08	7.99E-08	1.05E-07	3.94E-09	1.31E-08	1.70E-08	2.12E-09	6.06E-09	8.18E-09
5164	437238.24	3762199.01	2.51E-08	7.89E-08	1.04E-07	3.89E-09	1.29E-08	1.68E-08	2.10E-09	5.98E-09	8.08E-09
5165	437252.88	3762192.9	2.47E-08	7.79E-08	1.03E-07	3.84E-09	1.27E-08	1.66E-08	2.07E-09	5.90E-09	7.97E-09
5166	437267.51	3762186.79	2.44E-08	7.69E-08	1.01E-07	3.79E-09	1.26E-08	1.64E-08	2.04E-09	5.83E-09	7.87E-09
5167	437282.15	3762180.68	2.41E-08	7.59E-08	1.00E-07	3.75E-09	1.24E-08	1.62E-08	2.02E-09	5.75E-09	7.77E-09
5168	437296.78	3762174.57	2.38E-08	7.50E-08	9.88E-08	3.70E-09	1.22E-08	1.59E-08	1.99E-09	5.68E-09	7.67E-09
5169	437311.42	3762168.46	2.35E-08	7.40E-08	9.75E-08	3.65E-09	1.21E-08	1.57E-08	1.97E-09	5.61E-09	7.58E-09
5170	437326.05	3762162.34	2.32E-08	7.31E-08	9.63E-08	3.61E-09	1.19E-08	1.56E-08	1.94E-09	5.54E-09	7.48E-09
5171	437340.69	3762156.23	2.30E-08	7.23E-08	9.52E-08	3.57E-09	1.18E-08	1.54E-08	1.92E-09	5.48E-09	7.40E-09
5172	437355.32	3762150.12	2.27E-08	7.15E-08	9.42E-08	3.53E-09	1.17E-08	1.52E-08	1.90E-09	5.42E-09	7.32E-09
5173	437369.95	3762144.01	2.25E-08	7.08E-08	9.33E-08	3.49E-09	1.16E-08	1.51E-08	1.88E-09	5.36E-09	7.25E-09
5174	436853.98	3762682.8	4.12E-08	1.30E-07	1.71E-07	6.40E-09	2.12E-08	2.76E-08	3.45E-09	9.83E-09	1.33E-08
5175	436853.98	3762698.72	4.19E-08	1.32E-07	1.74E-07	6.51E-09	2.16E-08	2.81E-08	3.51E-09	1.00E-08	1.35E-08
5176	436827	3762667.53	3.73E-08	1.17E-07	1.55E-07	5.79E-09	1.92E-08	2.50E-08	3.12E-09	8.89E-09	1.20E-08
5177	436833.04	3762652.9	3.72E-08	1.17E-07	1.54E-07	5.78E-09	1.91E-08	2.49E-08	3.11E-09	8.88E-09	1.20E-08
5178	436839.09	3762638.27	3.71E-08	1.17E-07	1.54E-07	5.76E-09	1.91E-08	2.48E-08	3.10E-09	8.84E-09	1.19E-08
5179	436845.13	3762623.64	3.68E-08	1.16E-07	1.53E-07	5.72E-09	1.89E-08	2.47E-08	3.08E-09	8.78E-09	1.19E-08
5180	436851.17	3762609.01	3.65E-08	1.15E-07	1.51E-07	5.67E-09	1.88E-08	2.44E-08	3.05E-09	8.70E-09	1.18E-08
5181	436857.22	3762594.38	3.61E-08	1.14E-07	1.50E-07	5.61E-09	1.86E-08	2.42E-08	3.02E-09	8.61E-09	1.16E-08

5182	436863.26	3762579.76	3.57E-08	1.13E-07	1.48E-07	5.55E-09	1.84E-08	2.39E-08	2.99E-09	8.53E-09	1.15E-08
5183	436869.3	3762565.13	3.53E-08	1.11E-07	1.47E-07	5.49E-09	1.82E-08	2.37E-08	2.96E-09	8.43E-09	1.14E-08
5184	436875.34	3762550.5	3.49E-08	1.10E-07	1.45E-07	5.42E-09	1.80E-08	2.34E-08	2.92E-09	8.33E-09	1.12E-08
5185	436881.39	3762535.87	3.44E-08	1.08E-07	1.43E-07	5.35E-09	1.77E-08	2.31E-08	2.88E-09	8.21E-09	1.11E-08
5186	436887.43	3762521.24	3.39E-08	1.07E-07	1.41E-07	5.27E-09	1.74E-08	2.27E-08	2.84E-09	8.09E-09	1.09E-08
5187	436893.47	3762506.62	3.34E-08	1.05E-07	1.39E-07	5.19E-09	1.72E-08	2.24E-08	2.80E-09	7.97E-09	1.08E-08
5188	436899.51	3762491.99	3.29E-08	1.04E-07	1.36E-07	5.11E-09	1.69E-08	2.20E-08	2.75E-09	7.85E-09	1.06E-08
5189	436917.64	3762448.1	3.13E-08	9.84E-08	1.30E-07	4.86E-09	1.61E-08	2.09E-08	2.62E-09	7.46E-09	1.01E-08
5190	436923.69	3762433.47	3.07E-08	9.68E-08	1.28E-07	4.78E-09	1.58E-08	2.06E-08	2.57E-09	7.34E-09	9.91E-09
5191	436929.73	3762418.85	3.02E-08	9.53E-08	1.26E-07	4.70E-09	1.56E-08	2.03E-08	2.53E-09	7.22E-09	9.75E-09
5192	436935.77	3762404.22	2.97E-08	9.36E-08	1.23E-07	4.62E-09	1.53E-08	1.99E-08	2.49E-09	7.09E-09	9.58E-09
5193	436941.81	3762389.59	2.92E-08	9.19E-08	1.21E-07	4.54E-09	1.50E-08	1.96E-08	2.44E-09	6.97E-09	9.41E-09
5194	436947.86	3762374.96	2.86E-08	9.02E-08	1.19E-07	4.45E-09	1.47E-08	1.92E-08	2.40E-09	6.83E-09	9.23E-09
5195	436953.9	3762360.33	2.81E-08	8.84E-08	1.16E-07	4.36E-09	1.44E-08	1.88E-08	2.35E-09	6.70E-09	9.05E-09
5196	436959.94	3762345.7	2.75E-08	8.65E-08	1.14E-07	4.27E-09	1.41E-08	1.84E-08	2.30E-09	6.55E-09	8.85E-09
5197	436965.98	3762331.08	2.69E-08	8.46E-08	1.11E-07	4.17E-09	1.38E-08	1.80E-08	2.25E-09	6.41E-09	8.66E-09
5198	436972.03	3762316.45	2.62E-08	8.26E-08	1.09E-07	4.08E-09	1.35E-08	1.76E-08	2.20E-09	6.26E-09	8.45E-09
5199	436978.07	3762301.82	2.56E-08	8.06E-08	1.06E-07	3.98E-09	1.32E-08	1.71E-08	2.14E-09	6.11E-09	8.25E-09
5200	436984.11	3762287.19	2.50E-08	7.86E-08	1.04E-07	3.88E-09	1.28E-08	1.67E-08	2.09E-09	5.96E-09	8.05E-09
5201	436997.46	3762269.51	2.44E-08	7.69E-08	1.01E-07	3.79E-09	1.26E-08	1.64E-08	2.04E-09	5.83E-09	7.87E-09
5202	437012.06	3762263.42	2.46E-08	7.75E-08	1.02E-07	3.82E-09	1.27E-08	1.65E-08	2.06E-09	5.87E-09	7.93E-09
5203	437026.67	3762257.32	2.47E-08	7.79E-08	1.03E-07	3.84E-09	1.27E-08	1.66E-08	2.07E-09	5.90E-09	7.97E-09
5204	437041.27	3762251.22	2.48E-08	7.81E-08	1.03E-07	3.86E-09	1.28E-08	1.66E-08	2.08E-09	5.92E-09	8.00E-09
5205	437055.88	3762245.12	2.49E-08	7.83E-08	1.03E-07	3.86E-09	1.28E-08	1.67E-08	2.08E-09	5.93E-09	8.01E-09
5206	437070.48	3762239.02	2.49E-08	7.83E-08	1.03E-07	3.86E-09	1.28E-08	1.67E-08	2.08E-09	5.94E-09	8.02E-09
5207	437085.09	3762232.92	2.49E-08	7.83E-08	1.03E-07	3.86E-09	1.28E-08	1.67E-08	2.08E-09	5.93E-09	8.01E-09
5208	437099.69	3762226.82	2.48E-08	7.81E-08	1.03E-07	3.85E-09	1.28E-08	1.66E-08	2.08E-09	5.92E-09	7.99E-09
5209	437114.3	3762220.72	2.47E-08	7.78E-08	1.03E-07	3.84E-09	1.27E-08	1.65E-08	2.07E-09	5.90E-09	7.96E-09
5210	437128.9	3762214.62	2.46E-08	7.74E-08	1.02E-07	3.82E-09	1.26E-08	1.65E-08	2.06E-09	5.86E-09	7.92E-09
5211	437143.51	3762208.53	2.44E-08	7.69E-08	1.01E-07	3.79E-09	1.26E-08	1.64E-08	2.04E-09	5.83E-09	7.87E-09
5212	437158.11	3762202.43	2.42E-08	7.62E-08	1.00E-07	3.76E-09	1.25E-08	1.62E-08	2.03E-09	5.78E-09	7.80E-09
5213	437172.72	3762196.33	2.40E-08	7.55E-08	9.95E-08	3.73E-09	1.23E-08	1.61E-08	2.01E-09	5.72E-09	7.73E-09
5214	437187.32	3762190.23	2.37E-08	7.47E-08	9.85E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.66E-09	7.65E-09
5215	437201.93	3762184.13	2.35E-08	7.39E-08	9.74E-08	3.65E-09	1.21E-08	1.57E-08	1.96E-09	5.60E-09	7.56E-09
5216	437216.53	3762178.03	2.32E-08	7.30E-08	9.62E-08	3.60E-09	1.19E-08	1.55E-08	1.94E-09	5.53E-09	7.48E-09
5217	437231.14	3762171.93	2.29E-08	7.21E-08	9.50E-08	3.56E-09	1.18E-08	1.53E-08	1.92E-09	5.46E-09	7.38E-09
5218	437245.74	3762165.83	2.26E-08	7.12E-08	9.38E-08	3.51E-09	1.16E-08	1.51E-08	1.89E-09	5.40E-09	7.29E-09
5219	437260.35	3762159.73	2.23E-08	7.03E-08	9.26E-08	3.47E-09	1.15E-08	1.50E-08	1.87E-09	5.33E-09	7.20E-09
5220	437274.95	3762153.64	2.21E-08	6.94E-08	9.15E-08	3.43E-09	1.13E-08	1.48E-08	1.85E-09	5.26E-09	7.11E-09
5221	437289.56	3762147.54	2.18E-08	6.86E-08	9.04E-08	3.38E-09	1.12E-08	1.46E-08	1.82E-09	5.20E-09	7.02E-09
5222	437304.16	3762141.44	2.15E-08	6.77E-08	8.93E-08	3.34E-09	1.11E-08	1.44E-08	1.80E-09	5.13E-09	6.93E-09
5223	437318.77	3762135.34	2.13E-08	6.70E-08	8.82E-08	3.30E-09	1.09E-08	1.42E-08	1.78E-09	5.07E-09	6.85E-09
5224	437333.37	3762129.24	2.10E-08	6.62E-08	8.73E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.02E-09	6.78E-09
5225	437347.98	3762123.14	2.08E-08	6.56E-08	8.64E-08	3.23E-09	1.07E-08	1.39E-08	1.74E-09	4.97E-09	6.71E-09
5226	437362.58	3762117.04	2.06E-08	6.49E-08	8.56E-08	3.20E-09	1.06E-08	1.38E-08	1.73E-09	4.92E-09	6.65E-09
5227	437377.19	3762110.94	2.04E-08	6.44E-08	8.48E-08	3.18E-09	1.05E-08	1.37E-08	1.71E-09	4.88E-09	6.59E-09
5228	436823.98	3762682.8	3.76E-08	1.18E-07	1.56E-07	5.84E-09	1.93E-08	2.52E-08	3.14E-09	8.96E-09	1.21E-08
5229	436823.98	3762698.72	3.81E-08	1.20E-07	1.58E-07	5.93E-09	1.96E-08	2.56E-08	3.19E-09	9.10E-09	1.23E-08
5230	436797	3762667.54	3.42E-08	1.08E-07	1.42E-07	5.31E-09	1.76E-08	2.29E-08	2.86E-09	8.15E-09	1.10E-08
5231	436803.03	3762652.94	3.42E-08	1.08E-07	1.42E-07	5.31E-09	1.76E-08	2.29E-08	2.86E-09	8.15E-09	1.10E-08
5232	436809.06	3762638.34	3.41E-08	1.07E-07	1.41E-07	5.29E-09	1.75E-08	2.28E-08	2.85E-09	8.13E-09	1.10E-08
5233	436815.09	3762623.73	3.39E-08	1.07E-07	1.41E-07	5.27E-09	1.74E-08	2.27E-08	2.84E-09	8.09E-09	1.09E-08
5234	436821.12	3762609.13	3.36E-08	1.06E-07	1.40E-07	5.22E-09	1.73E-08	2.25E-08	2.81E-09	8.02E-09	1.08E-08
5235	436827.15	3762594.53	3.33E-08	1.05E-07	1.38E-07	5.17E-09	1.71E-08	2.23E-08	2.79E-09	7.94E-09	1.07E-08
5236	436833.19	3762579.93	3.29E-08	1.04E-07	1.37E-07	5.12E-09	1.69E-08	2.21E-08	2.76E-09	7.86E-09	1.06E-08
5237	436839.22	3762565.33	3.26E-08	1.03E-07	1.35E-07	5.06E-09	1.68E-08	2.18E-08	2.73E-09	7.77E-09	1.05E-08
5238	436845.25	3762550.73	3.22E-08	1.01E-07	1.34E-07	5.00E-09	1.66E-08	2.16E-08	2.70E-09	7.69E-09	1.04E-08
5239	436851.28	3762536.12	3.18E-08	1.00E-07	1.32E-07	4.94E-09	1.64E-08	2.13E-08	2.66E-09	7.59E-09	1.03E-08
5240	436857.31	3762521.52	3.14E-08	9.88E-08	1.30E-07	4.88E-09	1.61E-08	2.10E-08	2.63E-09	7.49E-09	1.01E-08
5241	436863.35	3762506.92	3.10E-08	9.75E-08	1.28E-07	4.81E-09	1.59E-08	2.07E-08	2.59E-09	7.39E-09	9.98E-09
5242	436869.38	3762492.32	3.05E-08	9.60E-08	1.27E-07	4.74E-09	1.57E-08	2.04E-08	2.55E-09	7.28E-09	9.83E-09

5243	436875.41	3762477.72	3.00E-08	9.46E-08	1.25E-07	4.67E-09	1.55E-08	2.01E-08	2.51E-09	7.17E-09	9.68E-09
5244	436893.5	3762433.91	2.86E-08	9.02E-08	1.19E-07	4.45E-09	1.47E-08	1.92E-08	2.40E-09	6.84E-09	9.23E-09
5245	436899.54	3762419.31	2.82E-08	8.88E-08	1.17E-07	4.38E-09	1.45E-08	1.89E-08	2.36E-09	6.73E-09	9.09E-09
5246	436905.57	3762404.71	2.77E-08	8.73E-08	1.15E-07	4.31E-09	1.43E-08	1.86E-08	2.32E-09	6.62E-09	8.94E-09
5247	436911.6	3762390.11	2.73E-08	8.59E-08	1.13E-07	4.24E-09	1.40E-08	1.83E-08	2.28E-09	6.51E-09	8.80E-09
5248	436917.63	3762375.51	2.68E-08	8.45E-08	1.11E-07	4.17E-09	1.38E-08	1.80E-08	2.25E-09	6.40E-09	8.65E-09
5249	436923.66	3762360.9	2.63E-08	8.29E-08	1.09E-07	4.09E-09	1.35E-08	1.76E-08	2.20E-09	6.28E-09	8.49E-09
5250	436929.7	3762346.3	2.58E-08	8.14E-08	1.07E-07	4.02E-09	1.33E-08	1.73E-08	2.16E-09	6.17E-09	8.33E-09
5251	436935.73	3762331.7	2.53E-08	7.98E-08	1.05E-07	3.94E-09	1.30E-08	1.70E-08	2.12E-09	6.05E-09	8.17E-09
5252	436941.76	3762317.1	2.48E-08	7.81E-08	1.03E-07	3.85E-09	1.28E-08	1.66E-08	2.08E-09	5.92E-09	8.00E-09
5253	436947.79	3762302.5	2.43E-08	7.64E-08	1.01E-07	3.77E-09	1.25E-08	1.62E-08	2.03E-09	5.79E-09	7.82E-09
5254	436953.82	3762287.9	2.37E-08	7.47E-08	9.85E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.66E-09	7.65E-09
5255	436959.85	3762273.29	2.32E-08	7.31E-08	9.63E-08	3.60E-09	1.19E-08	1.55E-08	1.94E-09	5.54E-09	7.48E-09
5256	436965.89	3762258.69	2.27E-08	7.13E-08	9.40E-08	3.52E-09	1.17E-08	1.52E-08	1.90E-09	5.41E-09	7.30E-09
5257	436976.19	3762248.35	2.25E-08	7.08E-08	9.33E-08	3.49E-09	1.16E-08	1.51E-08	1.88E-09	5.36E-09	7.25E-09
5258	436990.77	3762242.26	2.26E-08	7.13E-08	9.39E-08	3.52E-09	1.16E-08	1.52E-08	1.89E-09	5.40E-09	7.30E-09
5259	437005.35	3762236.17	2.28E-08	7.17E-08	9.44E-08	3.54E-09	1.17E-08	1.52E-08	1.91E-09	5.43E-09	7.34E-09
5260	437019.93	3762230.08	2.29E-08	7.20E-08	9.48E-08	3.55E-09	1.18E-08	1.53E-08	1.91E-09	5.45E-09	7.37E-09
5261	437034.5	3762224	2.29E-08	7.21E-08	9.51E-08	3.56E-09	1.18E-08	1.53E-08	1.92E-09	5.47E-09	7.38E-09
5262	437049.08	3762217.91	2.29E-08	7.22E-08	9.51E-08	3.56E-09	1.18E-08	1.54E-08	1.92E-09	5.47E-09	7.39E-09
5263	437063.66	3762211.82	2.29E-08	7.22E-08	9.51E-08	3.56E-09	1.18E-08	1.53E-08	1.92E-09	5.47E-09	7.39E-09
5264	437078.24	3762205.73	2.29E-08	7.20E-08	9.49E-08	3.55E-09	1.18E-08	1.53E-08	1.91E-09	5.46E-09	7.37E-09
5265	437092.82	3762199.64	2.28E-08	7.18E-08	9.46E-08	3.54E-09	1.17E-08	1.53E-08	1.91E-09	5.44E-09	7.35E-09
5266	437107.4	3762193.56	2.27E-08	7.14E-08	9.41E-08	3.52E-09	1.17E-08	1.52E-08	1.90E-09	5.41E-09	7.31E-09
5267	437121.98	3762187.47	2.26E-08	7.10E-08	9.36E-08	3.50E-09	1.16E-08	1.51E-08	1.89E-09	5.38E-09	7.27E-09
5268	437136.55	3762181.38	2.24E-08	7.05E-08	9.29E-08	3.48E-09	1.15E-08	1.50E-08	1.87E-09	5.34E-09	7.22E-09
5269	437151.13	3762175.29	2.22E-08	6.99E-08	9.21E-08	3.45E-09	1.14E-08	1.49E-08	1.86E-09	5.30E-09	7.16E-09
5270	437165.71	3762169.21	2.20E-08	6.92E-08	9.12E-08	3.42E-09	1.13E-08	1.47E-08	1.84E-09	5.25E-09	7.09E-09
5271	437180.29	3762163.12	2.18E-08	6.86E-08	9.03E-08	3.38E-09	1.12E-08	1.46E-08	1.82E-09	5.19E-09	7.02E-09
5272	437194.87	3762157.03	2.15E-08	6.78E-08	8.93E-08	3.35E-09	1.11E-08	1.44E-08	1.80E-09	5.14E-09	6.94E-09
5273	437209.45	3762150.94	2.13E-08	6.70E-08	8.83E-08	3.31E-09	1.09E-08	1.43E-08	1.78E-09	5.08E-09	6.86E-09
5274	437224.02	3762144.85	2.10E-08	6.62E-08	8.72E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.02E-09	6.78E-09
5275	437238.6	3762138.77	2.08E-08	6.54E-08	8.62E-08	3.23E-09	1.07E-08	1.39E-08	1.74E-09	4.96E-09	6.69E-09
5276	437253.18	3762132.68	2.05E-08	6.46E-08	8.51E-08	3.19E-09	1.06E-08	1.37E-08	1.72E-09	4.89E-09	6.61E-09
5277	437267.76	3762126.59	2.03E-08	6.38E-08	8.41E-08	3.15E-09	1.04E-08	1.36E-08	1.70E-09	4.83E-09	6.53E-09
5278	437282.34	3762120.5	2.00E-08	6.30E-08	8.31E-08	3.11E-09	1.03E-08	1.34E-08	1.68E-09	4.78E-09	6.45E-09
5279	437296.92	3762114.42	1.98E-08	6.23E-08	8.21E-08	3.07E-09	1.02E-08	1.33E-08	1.66E-09	4.72E-09	6.38E-09
5280	437311.49	3762108.33	1.96E-08	6.16E-08	8.12E-08	3.04E-09	1.01E-08	1.31E-08	1.64E-09	4.67E-09	6.31E-09
5281	437326.07	3762102.24	1.94E-08	6.10E-08	8.04E-08	3.01E-09	9.96E-09	1.30E-08	1.62E-09	4.62E-09	6.24E-09
5282	437340.65	3762096.15	1.92E-08	6.04E-08	7.96E-08	2.98E-09	9.87E-09	1.28E-08	1.61E-09	4.58E-09	6.18E-09
5283	437355.23	3762090.06	1.90E-08	5.98E-08	7.88E-08	2.95E-09	9.77E-09	1.27E-08	1.59E-09	4.53E-09	6.12E-09
5284	436793.98	3762682.8	3.44E-08	1.08E-07	1.43E-07	5.35E-09	1.77E-08	2.31E-08	2.88E-09	8.21E-09	1.11E-08
5285	436793.98	3762698.72	3.49E-08	1.10E-07	1.45E-07	5.42E-09	1.80E-08	2.34E-08	2.92E-09	8.33E-09	1.13E-08
5286	436756.99	3762667.55	3.06E-08	9.65E-08	1.27E-07	4.76E-09	1.58E-08	2.05E-08	2.56E-09	7.31E-09	9.88E-09
5287	436763.01	3762652.98	3.07E-08	9.65E-08	1.27E-07	4.76E-09	1.58E-08	2.05E-08	2.57E-09	7.31E-09	9.88E-09
5288	436769.03	3762638.41	3.06E-08	9.64E-08	1.27E-07	4.75E-09	1.57E-08	2.05E-08	2.56E-09	7.30E-09	9.86E-09
5289	436775.05	3762623.84	3.05E-08	9.60E-08	1.26E-07	4.74E-09	1.57E-08	2.04E-08	2.55E-09	7.27E-09	9.82E-09
5290	436781.06	3762609.27	3.03E-08	9.54E-08	1.26E-07	4.71E-09	1.56E-08	2.03E-08	2.54E-09	7.23E-09	9.77E-09
5291	436787.08	3762594.7	3.01E-08	9.47E-08	1.25E-07	4.67E-09	1.55E-08	2.01E-08	2.52E-09	7.18E-09	9.70E-09
5292	436793.1	3762580.13	2.98E-08	9.38E-08	1.24E-07	4.63E-09	1.53E-08	2.00E-08	2.49E-09	7.11E-09	9.60E-09
5293	436799.12	3762565.56	2.95E-08	9.28E-08	1.22E-07	4.58E-09	1.52E-08	1.97E-08	2.47E-09	7.03E-09	9.50E-09
5294	436805.14	3762550.99	2.91E-08	9.17E-08	1.21E-07	4.53E-09	1.50E-08	1.95E-08	2.44E-09	6.95E-09	9.39E-09
5295	436811.16	3762536.42	2.88E-08	9.06E-08	1.19E-07	4.47E-09	1.48E-08	1.93E-08	2.41E-09	6.87E-09	9.28E-09
5296	436817.18	3762521.85	2.84E-08	8.96E-08	1.18E-07	4.42E-09	1.46E-08	1.90E-08	2.38E-09	6.79E-09	9.17E-09
5297	436823.2	3762507.28	2.81E-08	8.84E-08	1.16E-07	4.36E-09	1.44E-08	1.88E-08	2.35E-09	6.70E-09	9.05E-09
5298	436829.22	3762492.71	2.77E-08	8.72E-08	1.15E-07	4.30E-09	1.42E-08	1.86E-08	2.32E-09	6.61E-09	8.93E-09
5299	436835.23	3762478.14	2.73E-08	8.60E-08	1.13E-07	4.24E-09	1.41E-08	1.83E-08	2.29E-09	6.52E-09	8.80E-09
5300	436841.25	3762463.57	2.69E-08	8.48E-08	1.12E-07	4.18E-09	1.39E-08	1.80E-08	2.25E-09	6.43E-09	8.68E-09
5301	436859.31	3762419.86	2.57E-08	8.11E-08	1.07E-07	4.00E-09	1.32E-08	1.72E-08	2.15E-09	6.14E-09	8.30E-09
5302	436865.33	3762405.29	2.53E-08	7.98E-08	1.05E-07	3.94E-09	1.30E-08	1.70E-08	2.12E-09	6.05E-09	8.17E-09
5303	436871.35	3762390.72	2.49E-08	7.85E-08	1.03E-07	3.87E-09	1.28E-08	1.67E-08	2.09E-09	5.95E-09	8.03E-09

5304	436877.37	3762376.15	2.46E-08	7.73E-08	1.02E-07	3.82E-09	1.26E-08	1.65E-08	2.06E-09	5.86E-09	7.92E-09
5305	436883.38	3762361.58	2.41E-08	7.58E-08	9.99E-08	3.74E-09	1.24E-08	1.61E-08	2.01E-09	5.74E-09	7.76E-09
5306	436889.4	3762347.01	2.37E-08	7.46E-08	9.83E-08	3.68E-09	1.22E-08	1.59E-08	1.98E-09	5.65E-09	7.63E-09
5307	436895.42	3762332.44	2.33E-08	7.34E-08	9.67E-08	3.62E-09	1.20E-08	1.56E-08	1.95E-09	5.56E-09	7.51E-09
5308	436901.44	3762317.87	2.29E-08	7.22E-08	9.51E-08	3.56E-09	1.18E-08	1.54E-08	1.92E-09	5.47E-09	7.39E-09
5309	436907.46	3762303.3	2.25E-08	7.09E-08	9.35E-08	3.50E-09	1.16E-08	1.51E-08	1.89E-09	5.37E-09	7.26E-09
5310	436913.48	3762288.73	2.21E-08	6.96E-08	9.18E-08	3.44E-09	1.14E-08	1.48E-08	1.85E-09	5.28E-09	7.13E-09
5311	436919.5	3762274.16	2.17E-08	6.83E-08	9.00E-08	3.37E-09	1.12E-08	1.45E-08	1.82E-09	5.18E-09	6.99E-09
5312	436925.52	3762259.59	2.13E-08	6.70E-08	8.82E-08	3.30E-09	1.09E-08	1.42E-08	1.78E-09	5.08E-09	6.86E-09
5313	436931.54	3762245.02	2.08E-08	6.56E-08	8.65E-08	3.24E-09	1.07E-08	1.40E-08	1.74E-09	4.97E-09	6.72E-09
5314	436937.55	3762230.45	2.04E-08	6.42E-08	8.45E-08	3.17E-09	1.05E-08	1.36E-08	1.71E-09	4.86E-09	6.57E-09
5315	436947.84	3762220.12	2.02E-08	6.36E-08	8.39E-08	3.14E-09	1.04E-08	1.35E-08	1.69E-09	4.82E-09	6.51E-09
5316	436962.38	3762214.05	2.03E-08	6.41E-08	8.44E-08	3.16E-09	1.05E-08	1.36E-08	1.70E-09	4.85E-09	6.56E-09
5317	436976.93	3762207.97	2.05E-08	6.44E-08	8.49E-08	3.18E-09	1.05E-08	1.37E-08	1.71E-09	4.88E-09	6.59E-09
5318	436991.48	3762201.9	2.05E-08	6.47E-08	8.52E-08	3.19E-09	1.06E-08	1.38E-08	1.72E-09	4.90E-09	6.62E-09
5319	437006.03	3762195.83	2.06E-08	6.49E-08	8.55E-08	3.20E-09	1.06E-08	1.38E-08	1.73E-09	4.92E-09	6.64E-09
5320	437020.57	3762189.75	2.06E-08	6.50E-08	8.57E-08	3.21E-09	1.06E-08	1.38E-08	1.73E-09	4.93E-09	6.66E-09
5321	437035.12	3762183.68	2.07E-08	6.50E-08	8.57E-08	3.21E-09	1.06E-08	1.38E-08	1.73E-09	4.93E-09	6.66E-09
5322	437049.67	3762177.6	2.06E-08	6.50E-08	8.56E-08	3.21E-09	1.06E-08	1.38E-08	1.73E-09	4.92E-09	6.65E-09
5323	437064.21	3762171.53	2.06E-08	6.48E-08	8.53E-08	3.20E-09	1.06E-08	1.38E-08	1.72E-09	4.91E-09	6.63E-09
5324	437078.76	3762165.45	2.05E-08	6.45E-08	8.50E-08	3.18E-09	1.05E-08	1.37E-08	1.71E-09	4.89E-09	6.60E-09
5325	437093.31	3762159.38	2.04E-08	6.42E-08	8.46E-08	3.17E-09	1.05E-08	1.37E-08	1.71E-09	4.87E-09	6.57E-09
5326	437107.85	3762153.3	2.03E-08	6.39E-08	8.41E-08	3.15E-09	1.04E-08	1.36E-08	1.70E-09	4.84E-09	6.54E-09
5327	437122.4	3762147.23	2.01E-08	6.34E-08	8.35E-08	3.13E-09	1.04E-08	1.35E-08	1.68E-09	4.80E-09	6.49E-09
5328	437136.95	3762141.15	2.00E-08	6.29E-08	8.28E-08	3.10E-09	1.03E-08	1.34E-08	1.67E-09	4.76E-09	6.44E-09
5329	437151.5	3762135.08	1.98E-08	6.23E-08	8.21E-08	3.07E-09	1.02E-08	1.33E-08	1.66E-09	4.72E-09	6.38E-09
5330	437166.04	3762129	1.96E-08	6.17E-08	8.13E-08	3.04E-09	1.01E-08	1.31E-08	1.64E-09	4.67E-09	6.31E-09
5331	437180.59	3762122.93	1.94E-08	6.11E-08	8.04E-08	3.01E-09	9.97E-09	1.30E-08	1.62E-09	4.63E-09	6.25E-09
5332	437195.14	3762116.85	1.92E-08	6.04E-08	7.96E-08	2.98E-09	9.86E-09	1.28E-08	1.60E-09	4.58E-09	6.18E-09
5333	437209.68	3762110.78	1.90E-08	5.97E-08	7.86E-08	2.94E-09	9.75E-09	1.27E-08	1.59E-09	4.52E-09	6.11E-09
5334	437224.23	3762104.7	1.87E-08	5.90E-08	7.77E-08	2.91E-09	9.64E-09	1.25E-08	1.57E-09	4.47E-09	6.04E-09
5335	437238.78	3762098.63	1.85E-08	5.83E-08	7.68E-08	2.87E-09	9.52E-09	1.24E-08	1.55E-09	4.42E-09	5.96E-09
5336	437253.32	3762092.55	1.83E-08	5.76E-08	7.59E-08	2.84E-09	9.41E-09	1.22E-08	1.53E-09	4.36E-09	5.89E-09
5337	436753.98	3762682.8	3.08E-08	9.71E-08	1.28E-07	4.79E-09	1.59E-08	2.06E-08	2.58E-09	7.36E-09	9.94E-09
5338	436753.98	3762698.72	3.12E-08	9.83E-08	1.29E-07	4.85E-09	1.61E-08	2.09E-08	2.61E-09	7.45E-09	1.01E-08
5339	436716.98	3762667.57	2.77E-08	8.71E-08	1.15E-07	4.30E-09	1.42E-08	1.85E-08	2.31E-09	6.60E-09	8.91E-09
5340	436722.99	3762653.03	2.77E-08	8.72E-08	1.15E-07	4.30E-09	1.42E-08	1.85E-08	2.32E-09	6.61E-09	8.93E-09
5341	436729	3762638.48	2.77E-08	8.71E-08	1.15E-07	4.30E-09	1.42E-08	1.85E-08	2.32E-09	6.60E-09	8.92E-09
5342	436735.01	3762623.94	2.76E-08	8.69E-08	1.14E-07	4.29E-09	1.42E-08	1.85E-08	2.31E-09	6.58E-09	8.89E-09
5343	436741.01	3762609.4	2.74E-08	8.64E-08	1.14E-07	4.26E-09	1.41E-08	1.84E-08	2.30E-09	6.55E-09	8.84E-09
5344	436747.02	3762594.86	2.73E-08	8.58E-08	1.13E-07	4.24E-09	1.40E-08	1.83E-08	2.28E-09	6.50E-09	8.79E-09
5345	436753.03	3762580.31	2.70E-08	8.52E-08	1.12E-07	4.20E-09	1.39E-08	1.81E-08	2.26E-09	6.45E-09	8.72E-09
5346	436759.04	3762565.77	2.68E-08	8.44E-08	1.11E-07	4.16E-09	1.38E-08	1.80E-08	2.24E-09	6.40E-09	8.64E-09
5347	436765.04	3762551.23	2.65E-08	8.35E-08	1.10E-07	4.12E-09	1.36E-08	1.78E-08	2.22E-09	6.33E-09	8.55E-09
5348	436771.05	3762536.68	2.62E-08	8.26E-08	1.09E-07	4.08E-09	1.35E-08	1.76E-08	2.20E-09	6.26E-09	8.46E-09
5349	436777.06	3762522.14	2.59E-08	8.16E-08	1.08E-07	4.03E-09	1.33E-08	1.74E-08	2.17E-09	6.18E-09	8.35E-09
5350	436783.07	3762507.6	2.56E-08	8.06E-08	1.06E-07	3.98E-09	1.32E-08	1.71E-08	2.14E-09	6.11E-09	8.25E-09
5351	436789.07	3762493.06	2.53E-08	7.96E-08	1.05E-07	3.92E-09	1.30E-08	1.69E-08	2.11E-09	6.03E-09	8.14E-09
5352	436795.08	3762478.51	2.49E-08	7.85E-08	1.03E-07	3.87E-09	1.28E-08	1.67E-08	2.09E-09	5.95E-09	8.03E-09
5353	436801.09	3762463.97	2.46E-08	7.75E-08	1.02E-07	3.82E-09	1.27E-08	1.65E-08	2.06E-09	5.87E-09	7.93E-09
5354	436807.1	3762449.43	2.43E-08	7.65E-08	1.01E-07	3.77E-09	1.25E-08	1.63E-08	2.03E-09	5.80E-09	7.83E-09
5355	436831.12	3762391.26	2.30E-08	7.23E-08	9.52E-08	3.57E-09	1.18E-08	1.54E-08	1.92E-09	5.48E-09	7.40E-09
5356	436837.13	3762376.72	2.26E-08	7.13E-08	9.39E-08	3.52E-09	1.16E-08	1.52E-08	1.89E-09	5.40E-09	7.29E-09
5357	436843.14	3762362.17	2.22E-08	7.00E-08	9.23E-08	3.46E-09	1.14E-08	1.49E-08	1.86E-09	5.31E-09	7.17E-09
5358	436849.15	3762347.63	2.19E-08	6.90E-08	9.09E-08	3.40E-09	1.13E-08	1.47E-08	1.83E-09	5.23E-09	7.06E-09
5359	436855.15	3762333.09	2.15E-08	6.79E-08	8.94E-08	3.35E-09	1.11E-08	1.44E-08	1.80E-09	5.14E-09	6.95E-09
5360	436861.16	3762318.54	2.12E-08	6.68E-08	8.81E-08	3.30E-09	1.09E-08	1.42E-08	1.78E-09	5.07E-09	6.84E-09
5361	436867.17	3762304	2.09E-08	6.59E-08	8.68E-08	3.25E-09	1.08E-08	1.40E-08	1.75E-09	4.99E-09	6.74E-09
5362	436873.18	3762289.46	2.06E-08	6.49E-08	8.55E-08	3.20E-09	1.06E-08	1.38E-08	1.72E-09	4.92E-09	6.64E-09
5363	436879.18	3762274.92	2.03E-08	6.39E-08	8.41E-08	3.15E-09	1.04E-08	1.36E-08	1.70E-09	4.84E-09	6.54E-09
5364	436885.19	3762260.37	1.99E-08	6.28E-08	8.27E-08	3.10E-09	1.03E-08	1.34E-08	1.67E-09	4.76E-09	6.42E-09

5365	436891.2	3762245.83	1.96E-08	6.17E-08	8.13E-08	3.04E-09	1.01E-08	1.31E-08	1.64E-09	4.67E-09	6.31E-09
5366	436897.21	3762231.29	1.92E-08	6.05E-08	7.97E-08	2.98E-09	9.88E-09	1.29E-08	1.61E-09	4.58E-09	6.19E-09
5367	436903.21	3762216.75	1.88E-08	5.92E-08	7.80E-08	2.92E-09	9.68E-09	1.26E-08	1.57E-09	4.49E-09	6.06E-09
5368	436909.22	3762202.2	1.84E-08	5.80E-08	7.64E-08	2.86E-09	9.47E-09	1.23E-08	1.54E-09	4.39E-09	5.93E-09
5369	436919.48	3762191.9	1.83E-08	5.75E-08	7.58E-08	2.84E-09	9.40E-09	1.22E-08	1.53E-09	4.36E-09	5.89E-09
5370	436934	3762185.84	1.84E-08	5.79E-08	7.63E-08	2.86E-09	9.46E-09	1.23E-08	1.54E-09	4.39E-09	5.93E-09
5371	436948.52	3762179.77	1.85E-08	5.82E-08	7.67E-08	2.87E-09	9.51E-09	1.24E-08	1.55E-09	4.41E-09	5.96E-09
5372	436963.04	3762173.71	1.86E-08	5.85E-08	7.71E-08	2.89E-09	9.55E-09	1.24E-08	1.55E-09	4.43E-09	5.99E-09
5373	436977.56	3762167.65	1.86E-08	5.87E-08	7.73E-08	2.89E-09	9.58E-09	1.25E-08	1.56E-09	4.45E-09	6.01E-09
5374	436992.08	3762161.58	1.87E-08	5.88E-08	7.75E-08	2.90E-09	9.61E-09	1.25E-08	1.56E-09	4.46E-09	6.02E-09
5375	437006.6	3762155.52	1.87E-08	5.89E-08	7.76E-08	2.90E-09	9.62E-09	1.25E-08	1.56E-09	4.46E-09	6.03E-09
5376	437021.12	3762149.46	1.87E-08	5.88E-08	7.75E-08	2.90E-09	9.61E-09	1.25E-08	1.56E-09	4.46E-09	6.02E-09
5377	437122.76	3762107.01	1.81E-08	5.70E-08	7.51E-08	2.81E-09	9.31E-09	1.21E-08	1.51E-09	4.32E-09	5.83E-09
5378	437137.28	3762100.95	1.79E-08	5.65E-08	7.44E-08	2.79E-09	9.23E-09	1.20E-08	1.50E-09	4.28E-09	5.78E-09
5379	437151.8	3762094.89	1.78E-08	5.60E-08	7.37E-08	2.76E-09	9.14E-09	1.19E-08	1.49E-09	4.24E-09	5.73E-09
5380	437166.32	3762088.83	1.76E-08	5.54E-08	7.30E-08	2.73E-09	9.05E-09	1.18E-08	1.47E-09	4.20E-09	5.67E-09
5381	436713.98	3762682.8	2.78E-08	8.75E-08	1.15E-07	4.32E-09	1.43E-08	1.86E-08	2.33E-09	6.63E-09	8.96E-09
5382	436713.98	3762698.72	2.81E-08	8.84E-08	1.17E-07	4.36E-09	1.44E-08	1.88E-08	2.35E-09	6.70E-09	9.05E-09
5383	436676.98	3762667.58	2.51E-08	7.91E-08	1.04E-07	3.90E-09	1.29E-08	1.68E-08	2.10E-09	5.99E-09	8.09E-09
5384	436682.98	3762653.06	2.52E-08	7.92E-08	1.04E-07	3.91E-09	1.29E-08	1.69E-08	2.11E-09	6.00E-09	8.11E-09
5385	436688.97	3762638.54	2.52E-08	7.92E-08	1.04E-07	3.91E-09	1.29E-08	1.69E-08	2.11E-09	6.00E-09	8.11E-09
5386	436694.97	3762624.03	2.51E-08	7.91E-08	1.04E-07	3.90E-09	1.29E-08	1.68E-08	2.10E-09	5.99E-09	8.09E-09
5387	436700.97	3762609.51	2.50E-08	7.88E-08	1.04E-07	3.89E-09	1.29E-08	1.68E-08	2.09E-09	5.97E-09	8.06E-09
5388	436706.97	3762594.99	2.49E-08	7.83E-08	1.03E-07	3.86E-09	1.28E-08	1.67E-08	2.08E-09	5.93E-09	8.02E-09
5389	436712.96	3762580.47	2.47E-08	7.77E-08	1.02E-07	3.84E-09	1.27E-08	1.65E-08	2.07E-09	5.89E-09	7.96E-09
5390	436718.96	3762565.95	2.45E-08	7.71E-08	1.02E-07	3.80E-09	1.26E-08	1.64E-08	2.05E-09	5.84E-09	7.89E-09
5391	436724.96	3762551.43	2.43E-08	7.64E-08	1.01E-07	3.77E-09	1.25E-08	1.62E-08	2.03E-09	5.79E-09	7.82E-09
5392	436730.95	3762536.92	2.40E-08	7.56E-08	9.96E-08	3.73E-09	1.23E-08	1.61E-08	2.01E-09	5.73E-09	7.74E-09
5393	436736.95	3762522.4	2.37E-08	7.48E-08	9.85E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.66E-09	7.65E-09
5394	436742.95	3762507.88	2.35E-08	7.39E-08	9.74E-08	3.65E-09	1.21E-08	1.57E-08	1.96E-09	5.60E-09	7.56E-09
5395	436748.95	3762493.36	2.32E-08	7.30E-08	9.62E-08	3.60E-09	1.19E-08	1.55E-08	1.94E-09	5.53E-09	7.47E-09
5396	436754.94	3762478.84	2.29E-08	7.21E-08	9.50E-08	3.56E-09	1.18E-08	1.53E-08	1.92E-09	5.46E-09	7.38E-09
5397	436760.94	3762464.33	2.26E-08	7.12E-08	9.38E-08	3.51E-09	1.16E-08	1.51E-08	1.89E-09	5.39E-09	7.29E-09
5398	436766.94	3762449.81	2.23E-08	7.03E-08	9.26E-08	3.47E-09	1.15E-08	1.50E-08	1.87E-09	5.33E-09	7.20E-09
5399	436772.94	3762435.29	2.21E-08	6.95E-08	9.15E-08	3.43E-09	1.13E-08	1.48E-08	1.85E-09	5.26E-09	7.11E-09
5400	436778.93	3762420.77	2.18E-08	6.86E-08	9.04E-08	3.38E-09	1.12E-08	1.46E-08	1.82E-09	5.20E-09	7.02E-09
5401	436802.92	3762362.7	2.07E-08	6.53E-08	8.60E-08	3.22E-09	1.07E-08	1.39E-08	1.73E-09	4.94E-09	6.68E-09
5402	436808.92	3762348.18	2.04E-08	6.43E-08	8.47E-08	3.17E-09	1.05E-08	1.37E-08	1.71E-09	4.87E-09	6.58E-09
5403	436814.92	3762333.66	2.01E-08	6.33E-08	8.35E-08	3.13E-09	1.03E-08	1.35E-08	1.68E-09	4.80E-09	6.48E-09
5404	436820.91	3762319.14	1.98E-08	6.24E-08	8.23E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.73E-09	6.39E-09
5405	436826.91	3762304.62	1.96E-08	6.16E-08	8.11E-08	3.04E-09	1.01E-08	1.31E-08	1.64E-09	4.67E-09	6.30E-09
5406	436832.91	3762290.11	1.93E-08	6.07E-08	8.00E-08	2.99E-09	9.92E-09	1.29E-08	1.61E-09	4.60E-09	6.21E-09
5407	436838.91	3762275.59	1.90E-08	5.98E-08	7.88E-08	2.95E-09	9.77E-09	1.27E-08	1.59E-09	4.53E-09	6.12E-09
5408	436844.9	3762261.07	1.87E-08	5.89E-08	7.76E-08	2.91E-09	9.62E-09	1.25E-08	1.57E-09	4.46E-09	6.03E-09
5409	436850.9	3762246.55	1.84E-08	5.80E-08	7.64E-08	2.86E-09	9.47E-09	1.23E-08	1.54E-09	4.39E-09	5.93E-09
5410	436856.9	3762232.03	1.81E-08	5.70E-08	7.51E-08	2.81E-09	9.31E-09	1.21E-08	1.51E-09	4.32E-09	5.83E-09
5411	436862.9	3762217.52	1.78E-08	5.59E-08	7.37E-08	2.76E-09	9.14E-09	1.19E-08	1.49E-09	4.24E-09	5.72E-09
5412	436868.89	3762203	1.74E-08	5.48E-08	7.23E-08	2.71E-09	8.96E-09	1.17E-08	1.46E-09	4.16E-09	5.61E-09
5413	436874.89	3762188.48	1.71E-08	5.37E-08	7.08E-08	2.65E-09	8.78E-09	1.14E-08	1.43E-09	4.07E-09	5.50E-09
5414	436880.89	3762173.96	1.67E-08	5.27E-08	6.94E-08	2.60E-09	8.61E-09	1.12E-08	1.40E-09	3.99E-09	5.39E-09
5415	436891.13	3762163.68	1.66E-08	5.24E-08	6.90E-08	2.58E-09	8.56E-09	1.11E-08	1.39E-09	3.97E-09	5.36E-09
5416	436905.63	3762157.62	1.68E-08	5.28E-08	6.95E-08	2.60E-09	8.62E-09	1.12E-08	1.40E-09	4.00E-09	5.40E-09
5417	436920.12	3762151.57	1.69E-08	5.32E-08	7.01E-08	2.62E-09	8.69E-09	1.13E-08	1.41E-09	4.03E-09	5.44E-09
5418	436934.62	3762145.52	1.70E-08	5.34E-08	7.03E-08	2.63E-09	8.72E-09	1.14E-08	1.42E-09	4.05E-09	5.47E-09
5419	436949.11	3762139.46	1.70E-08	5.35E-08	7.05E-08	2.64E-09	8.75E-09	1.14E-08	1.42E-09	4.06E-09	5.48E-09
5420	436963.61	3762133.41	1.70E-08	5.36E-08	7.06E-08	2.64E-09	8.75E-09	1.14E-08	1.42E-09	4.06E-09	5.49E-09
5421	436978.1	3762127.36	1.70E-08	5.36E-08	7.06E-08	2.64E-09	8.75E-09	1.14E-08	1.42E-09	4.06E-09	5.48E-09
5422	436992.6	3762121.3	1.70E-08	5.36E-08	7.06E-08	2.64E-09	8.75E-09	1.14E-08	1.42E-09	4.06E-09	5.48E-09
5423	437007.09	3762115.25	1.70E-08	5.35E-08	7.05E-08	2.64E-09	8.75E-09	1.14E-08	1.42E-09	4.06E-09	5.48E-09
5424	437021.59	3762109.2	1.70E-08	5.35E-08	7.05E-08	2.64E-09	8.74E-09	1.14E-08	1.42E-09	4.05E-09	5.47E-09
5425	437340.48	3761976.03	1.41E-08	4.46E-08	5.87E-08	2.20E-09	7.28E-09	9.48E-09	1.18E-09	3.38E-09	4.56E-09

5426	437354.98	3761969.98	1.41E-08	4.43E-08	5.84E-08	2.19E-09	7.24E-09	9.42E-09	1.18E-09	3.36E-09	4.53E-09
5427	437369.47	3761963.92	1.40E-08	4.41E-08	5.81E-08	2.17E-09	7.20E-09	9.37E-09	1.17E-09	3.34E-09	4.51E-09
5428	436673.98	3762682.8	2.52E-08	7.93E-08	1.05E-07	3.91E-09	1.30E-08	1.69E-08	2.11E-09	6.01E-09	8.12E-09
5429	436673.98	3762698.72	2.54E-08	8.01E-08	1.05E-07	3.95E-09	1.31E-08	1.70E-08	2.13E-09	6.07E-09	8.19E-09
5430	436637.02	3762667.49	2.29E-08	7.21E-08	9.51E-08	3.56E-09	1.18E-08	1.53E-08	1.92E-09	5.47E-09	7.38E-09
5431	436643.09	3762652.8	2.30E-08	7.23E-08	9.53E-08	3.57E-09	1.18E-08	1.54E-08	1.92E-09	5.48E-09	7.40E-09
5432	436649.16	3762638.1	2.30E-08	7.24E-08	9.54E-08	3.57E-09	1.18E-08	1.54E-08	1.92E-09	5.49E-09	7.41E-09
5433	436655.23	3762623.41	2.30E-08	7.23E-08	9.53E-08	3.57E-09	1.18E-08	1.54E-08	1.92E-09	5.48E-09	7.40E-09
5434	436661.3	3762608.71	2.29E-08	7.21E-08	9.50E-08	3.56E-09	1.18E-08	1.53E-08	1.92E-09	5.46E-09	7.38E-09
5435	436667.37	3762594.02	2.28E-08	7.17E-08	9.45E-08	3.54E-09	1.17E-08	1.53E-08	1.91E-09	5.44E-09	7.34E-09
5436	436673.44	3762579.32	2.26E-08	7.13E-08	9.39E-08	3.52E-09	1.16E-08	1.52E-08	1.89E-09	5.40E-09	7.29E-09
5437	436679.51	3762564.63	2.25E-08	7.07E-08	9.32E-08	3.49E-09	1.16E-08	1.50E-08	1.88E-09	5.36E-09	7.24E-09
5438	436685.58	3762549.93	2.23E-08	7.01E-08	9.24E-08	3.46E-09	1.15E-08	1.49E-08	1.86E-09	5.31E-09	7.18E-09
5439	436691.65	3762535.24	2.21E-08	6.94E-08	9.15E-08	3.43E-09	1.13E-08	1.48E-08	1.85E-09	5.26E-09	7.11E-09
5440	436697.72	3762520.54	2.18E-08	6.87E-08	9.05E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.21E-09	7.03E-09
5441	436703.79	3762505.85	2.16E-08	6.80E-08	8.95E-08	3.35E-09	1.11E-08	1.45E-08	1.81E-09	5.15E-09	6.96E-09
5442	436709.86	3762491.15	2.13E-08	6.72E-08	8.85E-08	3.31E-09	1.10E-08	1.43E-08	1.79E-09	5.09E-09	6.88E-09
5443	436728.07	3762447.07	2.06E-08	6.47E-08	8.53E-08	3.19E-09	1.06E-08	1.38E-08	1.72E-09	4.91E-09	6.63E-09
5444	436734.14	3762432.37	2.03E-08	6.39E-08	8.43E-08	3.16E-09	1.04E-08	1.36E-08	1.70E-09	4.85E-09	6.55E-09
5445	436740.21	3762417.68	2.01E-08	6.32E-08	8.33E-08	3.12E-09	1.03E-08	1.34E-08	1.68E-09	4.79E-09	6.47E-09
5446	436746.28	3762402.98	1.98E-08	6.25E-08	8.23E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.73E-09	6.40E-09
5447	436752.35	3762388.29	1.96E-08	6.18E-08	8.14E-08	3.05E-09	1.01E-08	1.31E-08	1.64E-09	4.68E-09	6.32E-09
5448	436758.42	3762373.59	1.94E-08	6.10E-08	8.04E-08	3.01E-09	9.97E-09	1.30E-08	1.62E-09	4.63E-09	6.25E-09
5449	436782.7	3762314.81	1.84E-08	5.81E-08	7.65E-08	2.87E-09	9.49E-09	1.24E-08	1.54E-09	4.40E-09	5.94E-09
5450	436788.77	3762300.12	1.82E-08	5.73E-08	7.55E-08	2.83E-09	9.37E-09	1.22E-08	1.52E-09	4.34E-09	5.87E-09
5451	436794.84	3762285.42	1.80E-08	5.66E-08	7.46E-08	2.79E-09	9.25E-09	1.20E-08	1.50E-09	4.29E-09	5.79E-09
5452	436800.91	3762270.73	1.77E-08	5.59E-08	7.36E-08	2.76E-09	9.13E-09	1.19E-08	1.48E-09	4.23E-09	5.72E-09
5453	436806.99	3762256.03	1.75E-08	5.51E-08	7.25E-08	2.72E-09	8.99E-09	1.17E-08	1.46E-09	4.17E-09	5.63E-09
5454	436813.06	3762241.34	1.72E-08	5.42E-08	7.15E-08	2.68E-09	8.86E-09	1.15E-08	1.44E-09	4.11E-09	5.55E-09
5455	436819.13	3762226.64	1.69E-08	5.34E-08	7.03E-08	2.63E-09	8.72E-09	1.14E-08	1.42E-09	4.04E-09	5.46E-09
5456	436825.2	3762211.95	1.67E-08	5.25E-08	6.91E-08	2.59E-09	8.57E-09	1.12E-08	1.39E-09	3.98E-09	5.37E-09
5457	436831.27	3762197.25	1.64E-08	5.15E-08	6.79E-08	2.54E-09	8.42E-09	1.10E-08	1.37E-09	3.91E-09	5.28E-09
5458	436837.34	3762182.56	1.61E-08	5.06E-08	6.67E-08	2.50E-09	8.26E-09	1.08E-08	1.34E-09	3.83E-09	5.18E-09
5459	436843.41	3762167.86	1.58E-08	4.97E-08	6.55E-08	2.45E-09	8.12E-09	1.06E-08	1.32E-09	3.76E-09	5.09E-09
5460	436849.48	3762153.17	1.55E-08	4.88E-08	6.43E-08	2.41E-09	7.97E-09	1.04E-08	1.30E-09	3.70E-09	4.99E-09
5461	436862.88	3762135.41	1.53E-08	4.81E-08	6.34E-08	2.37E-09	7.86E-09	1.02E-08	1.28E-09	3.65E-09	4.93E-09
5462	436877.56	3762129.28	1.54E-08	4.85E-08	6.38E-08	2.39E-09	7.92E-09	1.03E-08	1.29E-09	3.67E-09	4.96E-09
5463	436892.23	3762123.15	1.55E-08	4.88E-08	6.42E-08	2.41E-09	7.97E-09	1.04E-08	1.30E-09	3.69E-09	4.99E-09
5464	436906.9	3762117.03	1.56E-08	4.90E-08	6.45E-08	2.42E-09	8.00E-09	1.04E-08	1.30E-09	3.71E-09	5.01E-09
5465	436921.57	3762110.9	1.56E-08	4.92E-08	6.48E-08	2.43E-09	8.03E-09	1.05E-08	1.31E-09	3.72E-09	5.03E-09
5466	436936.24	3762104.77	1.56E-08	4.92E-08	6.49E-08	2.43E-09	8.04E-09	1.05E-08	1.31E-09	3.73E-09	5.04E-09
5467	436950.91	3762098.65	1.56E-08	4.92E-08	6.49E-08	2.43E-09	8.04E-09	1.05E-08	1.31E-09	3.73E-09	5.04E-09
5468	436965.58	3762092.52	1.56E-08	4.92E-08	6.48E-08	2.43E-09	8.04E-09	1.05E-08	1.31E-09	3.73E-09	5.04E-09
5469	437244.35	3761976.11	1.37E-08	4.30E-08	5.67E-08	2.12E-09	7.02E-09	9.15E-09	1.14E-09	3.26E-09	4.40E-09
5470	437259.02	3761969.99	1.35E-08	4.26E-08	5.61E-08	2.10E-09	6.95E-09	9.05E-09	1.13E-09	3.23E-09	4.36E-09
5471	437273.69	3761963.86	1.34E-08	4.22E-08	5.56E-08	2.08E-09	6.89E-09	8.97E-09	1.12E-09	3.20E-09	4.32E-09
5472	437288.36	3761957.73	1.33E-08	4.18E-08	5.51E-08	2.06E-09	6.83E-09	8.90E-09	1.11E-09	3.17E-09	4.28E-09
5473	437303.03	3761951.61	1.32E-08	4.15E-08	5.47E-08	2.05E-09	6.78E-09	8.83E-09	1.10E-09	3.15E-09	4.25E-09
5474	437317.7	3761945.48	1.31E-08	4.12E-08	5.43E-08	2.03E-09	6.73E-09	8.77E-09	1.10E-09	3.12E-09	4.22E-09
5475	437332.37	3761939.35	1.30E-08	4.10E-08	5.40E-08	2.02E-09	6.70E-09	8.72E-09	1.09E-09	3.11E-09	4.20E-09
5476	437347.05	3761933.23	1.29E-08	4.08E-08	5.37E-08	2.01E-09	6.66E-09	8.67E-09	1.08E-09	3.09E-09	4.17E-09
5477	437361.72	3761927.1	1.29E-08	4.06E-08	5.35E-08	2.00E-09	6.63E-09	8.63E-09	1.08E-09	3.07E-09	4.15E-09
5478	436633.98	3762682.8	2.30E-08	7.23E-08	9.53E-08	3.57E-09	1.18E-08	1.54E-08	1.92E-09	5.48E-09	7.40E-09
5479	436633.98	3762698.72	2.31E-08	7.29E-08	9.60E-08	3.60E-09	1.19E-08	1.55E-08	1.94E-09	5.52E-09	7.46E-09
5480	436597.01	3762667.51	2.10E-08	6.61E-08	8.71E-08	3.26E-09	1.08E-08	1.41E-08	1.76E-09	5.01E-09	6.77E-09
5481	436603.07	3762652.84	2.11E-08	6.63E-08	8.74E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.03E-09	6.79E-09
5482	436609.12	3762638.18	2.11E-08	6.64E-08	8.75E-08	3.28E-09	1.08E-08	1.41E-08	1.77E-09	5.03E-09	6.80E-09
5483	436615.18	3762623.51	2.11E-08	6.64E-08	8.75E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.03E-09	6.79E-09
5484	436621.24	3762608.85	2.10E-08	6.62E-08	8.72E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.02E-09	6.78E-09
5485	436627.3	3762594.18	2.09E-08	6.60E-08	8.69E-08	3.25E-09	1.08E-08	1.40E-08	1.75E-09	5.00E-09	6.75E-09
5486	436633.36	3762579.52	2.08E-08	6.56E-08	8.65E-08	3.24E-09	1.07E-08	1.40E-08	1.74E-09	4.97E-09	6.72E-09

5487	436639.41	3762564.85	2.07E-08	6.52E-08	8.59E-08	3.22E-09	1.06E-08	1.39E-08	1.73E-09	4.94E-09	6.67E-09
5488	436645.47	3762550.19	2.05E-08	6.47E-08	8.52E-08	3.19E-09	1.06E-08	1.38E-08	1.72E-09	4.90E-09	6.62E-09
5489	436651.53	3762535.52	2.04E-08	6.42E-08	8.45E-08	3.17E-09	1.05E-08	1.36E-08	1.71E-09	4.86E-09	6.57E-09
5490	436657.59	3762520.86	2.02E-08	6.35E-08	8.37E-08	3.13E-09	1.04E-08	1.35E-08	1.69E-09	4.81E-09	6.50E-09
5491	436663.65	3762506.19	2.00E-08	6.29E-08	8.28E-08	3.10E-09	1.03E-08	1.34E-08	1.67E-09	4.76E-09	6.44E-09
5492	436669.7	3762491.53	1.97E-08	6.22E-08	8.19E-08	3.07E-09	1.02E-08	1.32E-08	1.65E-09	4.71E-09	6.37E-09
5493	436687.88	3762447.53	1.91E-08	6.00E-08	7.91E-08	2.96E-09	9.80E-09	1.28E-08	1.59E-09	4.55E-09	6.14E-09
5494	436693.94	3762432.87	1.88E-08	5.93E-08	7.81E-08	2.93E-09	9.68E-09	1.26E-08	1.58E-09	4.49E-09	6.07E-09
5495	436699.99	3762418.2	1.86E-08	5.86E-08	7.72E-08	2.89E-09	9.57E-09	1.25E-08	1.56E-09	4.44E-09	6.00E-09
5496	436706.05	3762403.54	1.84E-08	5.80E-08	7.64E-08	2.86E-09	9.47E-09	1.23E-08	1.54E-09	4.39E-09	5.93E-09
5497	436712.11	3762388.87	1.82E-08	5.73E-08	7.55E-08	2.83E-09	9.37E-09	1.22E-08	1.52E-09	4.34E-09	5.87E-09
5498	436736.34	3762330.22	1.74E-08	5.48E-08	7.22E-08	2.70E-09	8.95E-09	1.17E-08	1.46E-09	4.15E-09	5.61E-09
5499	436742.4	3762315.55	1.72E-08	5.42E-08	7.14E-08	2.67E-09	8.85E-09	1.15E-08	1.44E-09	4.11E-09	5.55E-09
5500	436748.46	3762300.89	1.70E-08	5.36E-08	7.06E-08	2.64E-09	8.75E-09	1.14E-08	1.42E-09	4.06E-09	5.48E-09
5501	436790.86	3762198.23	1.55E-08	4.89E-08	6.44E-08	2.41E-09	7.99E-09	1.04E-08	1.30E-09	3.71E-09	5.01E-09
5502	436796.92	3762183.57	1.53E-08	4.82E-08	6.35E-08	2.38E-09	7.87E-09	1.02E-08	1.28E-09	3.65E-09	4.93E-09
5503	436802.98	3762168.9	1.50E-08	4.74E-08	6.24E-08	2.34E-09	7.74E-09	1.01E-08	1.26E-09	3.59E-09	4.85E-09
5504	436809.04	3762154.24	1.48E-08	4.66E-08	6.13E-08	2.30E-09	7.60E-09	9.90E-09	1.24E-09	3.53E-09	4.76E-09
5505	436815.09	3762139.57	1.45E-08	4.58E-08	6.03E-08	2.26E-09	7.48E-09	9.74E-09	1.22E-09	3.47E-09	4.69E-09
5506	436821.15	3762124.91	1.43E-08	4.50E-08	5.93E-08	2.22E-09	7.36E-09	9.58E-09	1.20E-09	3.41E-09	4.61E-09
5507	436834.53	3762107.18	1.41E-08	4.44E-08	5.85E-08	2.19E-09	7.26E-09	9.45E-09	1.18E-09	3.37E-09	4.55E-09
5508	436849.17	3762101.07	1.42E-08	4.47E-08	5.89E-08	2.20E-09	7.30E-09	9.50E-09	1.19E-09	3.39E-09	4.57E-09
5509	437142	3761978.79	1.34E-08	4.21E-08	5.55E-08	2.08E-09	6.88E-09	8.95E-09	1.12E-09	3.19E-09	4.31E-09
5510	437156.64	3761972.67	1.32E-08	4.17E-08	5.50E-08	2.06E-09	6.82E-09	8.87E-09	1.11E-09	3.16E-09	4.27E-09
5511	437171.28	3761966.56	1.31E-08	4.13E-08	5.44E-08	2.04E-09	6.75E-09	8.79E-09	1.10E-09	3.13E-09	4.23E-09
5512	437185.93	3761960.44	1.30E-08	4.09E-08	5.39E-08	2.02E-09	6.68E-09	8.70E-09	1.09E-09	3.10E-09	4.19E-09
5513	437200.57	3761954.33	1.29E-08	4.05E-08	5.34E-08	2.00E-09	6.62E-09	8.62E-09	1.08E-09	3.07E-09	4.15E-09
5514	437215.21	3761948.22	1.28E-08	4.02E-08	5.29E-08	1.98E-09	6.56E-09	8.54E-09	1.07E-09	3.04E-09	4.11E-09
5515	437229.85	3761942.1	1.26E-08	3.98E-08	5.24E-08	1.96E-09	6.50E-09	8.46E-09	1.06E-09	3.01E-09	4.07E-09
5516	437244.49	3761935.99	1.25E-08	3.94E-08	5.19E-08	1.94E-09	6.44E-09	8.38E-09	1.05E-09	2.99E-09	4.03E-09
5517	437259.13	3761929.87	1.24E-08	3.91E-08	5.15E-08	1.93E-09	6.38E-09	8.31E-09	1.04E-09	2.96E-09	4.00E-09
5518	437273.78	3761923.76	1.23E-08	3.88E-08	5.11E-08	1.91E-09	6.33E-09	8.24E-09	1.03E-09	2.94E-09	3.97E-09
5519	437288.42	3761917.65	1.22E-08	3.85E-08	5.07E-08	1.90E-09	6.29E-09	8.19E-09	1.02E-09	2.92E-09	3.94E-09
5520	437303.06	3761911.53	1.21E-08	3.82E-08	5.04E-08	1.89E-09	6.24E-09	8.13E-09	1.02E-09	2.90E-09	3.91E-09
5521	437317.7	3761905.42	1.21E-08	3.80E-08	5.01E-08	1.88E-09	6.21E-09	8.09E-09	1.01E-09	2.88E-09	3.89E-09
5522	437332.34	3761899.3	1.20E-08	3.78E-08	4.98E-08	1.87E-09	6.18E-09	8.04E-09	1.01E-09	2.87E-09	3.87E-09
5523	437346.98	3761893.19	1.20E-08	3.76E-08	4.96E-08	1.86E-09	6.15E-09	8.01E-09	1.00E-09	2.85E-09	3.85E-09
5524	436593.98	3762682.8	2.10E-08	6.62E-08	8.73E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.02E-09	6.78E-09
5525	436593.98	3762698.72	2.12E-08	6.67E-08	8.78E-08	3.29E-09	1.09E-08	1.42E-08	1.77E-09	5.05E-09	6.82E-09
5526	436575.14	3762623.61	1.94E-08	6.12E-08	8.07E-08	3.02E-09	1.00E-08	1.30E-08	1.63E-09	4.64E-09	6.27E-09
5527	436581.19	3762608.97	1.94E-08	6.11E-08	8.05E-08	3.02E-09	9.99E-09	1.30E-08	1.62E-09	4.63E-09	6.26E-09
5528	436587.24	3762594.33	1.93E-08	6.09E-08	8.03E-08	3.01E-09	9.95E-09	1.30E-08	1.62E-09	4.62E-09	6.24E-09
5529	436593.28	3762579.69	1.93E-08	6.06E-08	7.99E-08	2.99E-09	9.91E-09	1.29E-08	1.61E-09	4.60E-09	6.21E-09
5530	436599.33	3762565.06	1.91E-08	6.03E-08	7.94E-08	2.97E-09	9.85E-09	1.28E-08	1.60E-09	4.57E-09	6.17E-09
5531	436605.38	3762550.42	1.90E-08	5.99E-08	7.89E-08	2.95E-09	9.78E-09	1.27E-08	1.59E-09	4.54E-09	6.13E-09
5532	436611.42	3762535.78	1.89E-08	5.94E-08	7.83E-08	2.93E-09	9.70E-09	1.26E-08	1.58E-09	4.50E-09	6.08E-09
5533	436617.47	3762521.14	1.87E-08	5.89E-08	7.76E-08	2.91E-09	9.62E-09	1.25E-08	1.57E-09	4.46E-09	6.03E-09
5534	436623.52	3762506.51	1.85E-08	5.84E-08	7.69E-08	2.88E-09	9.54E-09	1.24E-08	1.55E-09	4.42E-09	5.97E-09
5535	436629.56	3762491.87	1.84E-08	5.78E-08	7.61E-08	2.85E-09	9.44E-09	1.23E-08	1.54E-09	4.38E-09	5.92E-09
5536	436647.7	3762447.96	1.78E-08	5.59E-08	7.37E-08	2.76E-09	9.13E-09	1.19E-08	1.49E-09	4.24E-09	5.72E-09
5537	436653.75	3762433.32	1.75E-08	5.52E-08	7.28E-08	2.73E-09	9.03E-09	1.18E-08	1.47E-09	4.19E-09	5.66E-09
5538	436659.8	3762418.68	1.73E-08	5.46E-08	7.19E-08	2.69E-09	8.92E-09	1.16E-08	1.45E-09	4.14E-09	5.59E-09
5539	436665.84	3762404.04	1.72E-08	5.40E-08	7.12E-08	2.67E-09	8.83E-09	1.15E-08	1.44E-09	4.10E-09	5.53E-09
5540	436671.89	3762389.4	1.70E-08	5.35E-08	7.05E-08	2.64E-09	8.74E-09	1.14E-08	1.42E-09	4.05E-09	5.48E-09
5541	436690.03	3762345.49	1.65E-08	5.19E-08	6.83E-08	2.56E-09	8.47E-09	1.10E-08	1.38E-09	3.93E-09	5.31E-09
5542	436696.08	3762330.85	1.63E-08	5.13E-08	6.76E-08	2.53E-09	8.38E-09	1.09E-08	1.36E-09	3.89E-09	5.25E-09
5543	436702.12	3762316.22	1.61E-08	5.07E-08	6.68E-08	2.50E-09	8.29E-09	1.08E-08	1.35E-09	3.84E-09	5.19E-09
5544	436708.17	3762301.58	1.59E-08	5.01E-08	6.61E-08	2.47E-09	8.19E-09	1.07E-08	1.33E-09	3.80E-09	5.13E-09
5545	436714.22	3762286.94	1.57E-08	4.96E-08	6.53E-08	2.45E-09	8.10E-09	1.05E-08	1.32E-09	3.76E-09	5.07E-09
5546	436720.26	3762272.3	1.56E-08	4.90E-08	6.46E-08	2.42E-09	8.01E-09	1.04E-08	1.30E-09	3.72E-09	5.02E-09
5547	436726.31	3762257.66	1.54E-08	4.85E-08	6.38E-08	2.39E-09	7.92E-09	1.03E-08	1.29E-09	3.67E-09	4.96E-09

5548	436732.36	3762243.03	1.52E-08	4.79E-08	6.31E-08	2.36E-09	7.82E-09	1.02E-08	1.27E-09	3.63E-09	4.90E-09
5549	436738.4	3762228.39	1.50E-08	4.73E-08	6.23E-08	2.33E-09	7.73E-09	1.01E-08	1.26E-09	3.59E-09	4.84E-09
5550	436744.45	3762213.75	1.49E-08	4.68E-08	6.16E-08	2.31E-09	7.64E-09	9.95E-09	1.24E-09	3.55E-09	4.79E-09
5551	437054.62	3761975.21	1.29E-08	4.07E-08	5.36E-08	2.01E-09	6.64E-09	8.65E-09	1.08E-09	3.08E-09	4.16E-09
5552	437069.24	3761969.11	1.28E-08	4.04E-08	5.32E-08	1.99E-09	6.60E-09	8.59E-09	1.07E-09	3.06E-09	4.14E-09
5553	437083.85	3761963.01	1.27E-08	4.01E-08	5.28E-08	1.98E-09	6.55E-09	8.53E-09	1.07E-09	3.04E-09	4.10E-09
5554	437098.47	3761956.9	1.26E-08	3.97E-08	5.24E-08	1.96E-09	6.49E-09	8.45E-09	1.06E-09	3.01E-09	4.07E-09
5555	437113.08	3761950.8	1.25E-08	3.94E-08	5.19E-08	1.94E-09	6.43E-09	8.37E-09	1.05E-09	2.98E-09	4.03E-09
5556	437127.69	3761944.7	1.24E-08	3.90E-08	5.14E-08	1.92E-09	6.37E-09	8.29E-09	1.04E-09	2.95E-09	3.99E-09
5557	437142.31	3761938.59	1.23E-08	3.86E-08	5.09E-08	1.91E-09	6.31E-09	8.22E-09	1.03E-09	2.93E-09	3.95E-09
5558	437156.92	3761932.49	1.22E-08	3.83E-08	5.04E-08	1.89E-09	6.25E-09	8.14E-09	1.02E-09	2.90E-09	3.92E-09
5559	437171.54	3761926.39	1.20E-08	3.79E-08	5.00E-08	1.87E-09	6.20E-09	8.07E-09	1.01E-09	2.87E-09	3.88E-09
5560	437186.15	3761920.29	1.19E-08	3.76E-08	4.95E-08	1.85E-09	6.14E-09	7.99E-09	9.99E-10	2.85E-09	3.85E-09
5561	437200.77	3761914.18	1.18E-08	3.72E-08	4.90E-08	1.84E-09	6.08E-09	7.92E-09	9.89E-10	2.82E-09	3.81E-09
5562	437215.38	3761908.08	1.17E-08	3.69E-08	4.86E-08	1.82E-09	6.03E-09	7.85E-09	9.81E-10	2.80E-09	3.78E-09
5563	437230	3761901.98	1.16E-08	3.66E-08	4.82E-08	1.81E-09	5.98E-09	7.78E-09	9.72E-10	2.77E-09	3.75E-09
5564	437244.61	3761895.87	1.15E-08	3.63E-08	4.78E-08	1.79E-09	5.93E-09	7.72E-09	9.65E-10	2.75E-09	3.71E-09
5565	437259.22	3761889.77	1.14E-08	3.60E-08	4.75E-08	1.78E-09	5.89E-09	7.66E-09	9.58E-10	2.73E-09	3.69E-09
5566	436517	3762667.53	1.79E-08	5.63E-08	7.42E-08	2.78E-09	9.20E-09	1.20E-08	1.50E-09	4.27E-09	5.76E-09
5567	436523.03	3762652.92	1.80E-08	5.65E-08	7.45E-08	2.79E-09	9.24E-09	1.20E-08	1.50E-09	4.28E-09	5.79E-09
5568	436529.07	3762638.31	1.80E-08	5.67E-08	7.47E-08	2.80E-09	9.26E-09	1.21E-08	1.51E-09	4.30E-09	5.80E-09
5569	436535.11	3762623.69	1.80E-08	5.67E-08	7.48E-08	2.80E-09	9.27E-09	1.21E-08	1.51E-09	4.30E-09	5.81E-09
5570	436541.14	3762609.08	1.80E-08	5.67E-08	7.47E-08	2.80E-09	9.26E-09	1.21E-08	1.51E-09	4.30E-09	5.80E-09
5571	436547.18	3762594.47	1.80E-08	5.66E-08	7.45E-08	2.79E-09	9.24E-09	1.20E-08	1.50E-09	4.29E-09	5.79E-09
5572	436577.36	3762521.4	1.74E-08	5.49E-08	7.23E-08	2.71E-09	8.96E-09	1.17E-08	1.46E-09	4.16E-09	5.62E-09
5573	436583.4	3762506.79	1.73E-08	5.44E-08	7.17E-08	2.68E-09	8.89E-09	1.16E-08	1.45E-09	4.12E-09	5.57E-09
5574	436589.44	3762492.18	1.71E-08	5.39E-08	7.10E-08	2.66E-09	8.80E-09	1.15E-08	1.43E-09	4.08E-09	5.52E-09
5575	436595.47	3762477.56	1.69E-08	5.34E-08	7.03E-08	2.63E-09	8.72E-09	1.14E-08	1.42E-09	4.04E-09	5.46E-09
5576	436607.55	3762448.34	1.66E-08	5.23E-08	6.89E-08	2.58E-09	8.54E-09	1.11E-08	1.39E-09	3.96E-09	5.35E-09
5577	436613.58	3762433.72	1.64E-08	5.17E-08	6.81E-08	2.55E-09	8.45E-09	1.10E-08	1.37E-09	3.92E-09	5.29E-09
5578	436619.62	3762419.11	1.62E-08	5.12E-08	6.74E-08	2.52E-09	8.36E-09	1.09E-08	1.36E-09	3.88E-09	5.24E-09
5579	436625.66	3762404.5	1.61E-08	5.06E-08	6.67E-08	2.50E-09	8.27E-09	1.08E-08	1.35E-09	3.84E-09	5.18E-09
5580	436631.69	3762389.88	1.59E-08	5.01E-08	6.60E-08	2.47E-09	8.18E-09	1.07E-08	1.33E-09	3.79E-09	5.13E-09
5581	436649.8	3762346.04	1.54E-08	4.85E-08	6.39E-08	2.39E-09	7.93E-09	1.03E-08	1.29E-09	3.68E-09	4.97E-09
5582	436655.84	3762331.43	1.52E-08	4.80E-08	6.33E-08	2.37E-09	7.84E-09	1.02E-08	1.28E-09	3.64E-09	4.91E-09
5583	436661.87	3762316.82	1.51E-08	4.75E-08	6.26E-08	2.35E-09	7.76E-09	1.01E-08	1.26E-09	3.60E-09	4.87E-09
5584	436667.91	3762302.21	1.49E-08	4.70E-08	6.20E-08	2.32E-09	7.69E-09	1.00E-08	1.25E-09	3.57E-09	4.82E-09
5585	436673.95	3762287.59	1.48E-08	4.66E-08	6.14E-08	2.30E-09	7.61E-09	9.91E-09	1.24E-09	3.53E-09	4.77E-09
5586	436679.98	3762272.98	1.46E-08	4.61E-08	6.07E-08	2.27E-09	7.53E-09	9.81E-09	1.23E-09	3.49E-09	4.72E-09
5587	436686.02	3762258.37	1.45E-08	4.56E-08	6.00E-08	2.25E-09	7.45E-09	9.69E-09	1.21E-09	3.45E-09	4.66E-09
5588	436692.06	3762243.75	1.43E-08	4.50E-08	5.93E-08	2.22E-09	7.36E-09	9.58E-09	1.20E-09	3.41E-09	4.61E-09
5589	436698.09	3762229.14	1.41E-08	4.45E-08	5.87E-08	2.20E-09	7.27E-09	9.47E-09	1.18E-09	3.37E-09	4.56E-09
5590	436704.13	3762214.53	1.40E-08	4.41E-08	5.80E-08	2.17E-09	7.20E-09	9.37E-09	1.17E-09	3.34E-09	4.51E-09
5591	436710.17	3762199.91	1.38E-08	4.36E-08	5.74E-08	2.15E-09	7.12E-09	9.27E-09	1.16E-09	3.30E-09	4.46E-09
5592	436952.91	3761977.62	1.23E-08	3.89E-08	5.12E-08	1.92E-09	6.35E-09	8.27E-09	1.03E-09	2.94E-09	3.98E-09
5593	436967.5	3761971.53	1.23E-08	3.87E-08	5.09E-08	1.91E-09	6.31E-09	8.22E-09	1.03E-09	2.93E-09	3.96E-09
5594	436982.08	3761965.44	1.22E-08	3.85E-08	5.07E-08	1.90E-09	6.29E-09	8.19E-09	1.02E-09	2.92E-09	3.94E-09
5595	436996.67	3761959.35	1.22E-08	3.84E-08	5.05E-08	1.89E-09	6.27E-09	8.16E-09	1.02E-09	2.91E-09	3.93E-09
5596	437011.26	3761953.25	1.21E-08	3.82E-08	5.03E-08	1.89E-09	6.24E-09	8.13E-09	1.02E-09	2.90E-09	3.91E-09
5597	437025.85	3761947.16	1.21E-08	3.80E-08	5.01E-08	1.88E-09	6.21E-09	8.09E-09	1.01E-09	2.88E-09	3.89E-09
5598	437040.44	3761941.07	1.20E-08	3.78E-08	4.98E-08	1.87E-09	6.18E-09	8.05E-09	1.01E-09	2.87E-09	3.87E-09
5599	437055.03	3761934.98	1.19E-08	3.76E-08	4.95E-08	1.85E-09	6.14E-09	7.99E-09	9.98E-10	2.85E-09	3.84E-09
5600	437069.62	3761928.88	1.18E-08	3.72E-08	4.91E-08	1.84E-09	6.08E-09	7.92E-09	9.90E-10	2.82E-09	3.81E-09
5601	437084.21	3761922.79	1.17E-08	3.69E-08	4.86E-08	1.82E-09	6.03E-09	7.85E-09	9.81E-10	2.80E-09	3.78E-09
5602	437098.8	3761916.7	1.16E-08	3.66E-08	4.82E-08	1.81E-09	5.98E-09	7.78E-09	9.72E-10	2.77E-09	3.75E-09
5603	437113.39	3761910.61	1.15E-08	3.63E-08	4.78E-08	1.79E-09	5.93E-09	7.72E-09	9.64E-10	2.75E-09	3.71E-09
5604	437127.98	3761904.51	1.14E-08	3.60E-08	4.74E-08	1.77E-09	5.87E-09	7.65E-09	9.56E-10	2.73E-09	3.68E-09
5605	437142.57	3761898.42	1.13E-08	3.56E-08	4.70E-08	1.76E-09	5.82E-09	7.58E-09	9.48E-10	2.70E-09	3.65E-09
5606	437157.16	3761892.33	1.12E-08	3.53E-08	4.65E-08	1.74E-09	5.77E-09	7.51E-09	9.39E-10	2.68E-09	3.62E-09
5607	436513.98	3762682.8	1.79E-08	5.63E-08	7.42E-08	2.78E-09	9.20E-09	1.20E-08	1.50E-09	4.27E-09	5.76E-09
5608	436513.98	3762698.72	1.80E-08	5.66E-08	7.46E-08	2.79E-09	9.25E-09	1.20E-08	1.50E-09	4.29E-09	5.79E-09

5609	436476.99	3762667.54	1.66E-08	5.22E-08	6.88E-08	2.58E-09	8.53E-09	1.11E-08	1.39E-09	3.96E-09	5.35E-09
5610	436483.02	3762652.95	1.67E-08	5.25E-08	6.91E-08	2.59E-09	8.57E-09	1.12E-08	1.39E-09	3.98E-09	5.37E-09
5611	436489.05	3762638.36	1.67E-08	5.26E-08	6.93E-08	2.60E-09	8.60E-09	1.12E-08	1.40E-09	3.99E-09	5.39E-09
5612	436495.08	3762623.77	1.67E-08	5.27E-08	6.94E-08	2.60E-09	8.61E-09	1.12E-08	1.40E-09	3.99E-09	5.39E-09
5613	436501.1	3762609.18	1.67E-08	5.27E-08	6.95E-08	2.60E-09	8.61E-09	1.12E-08	1.40E-09	3.99E-09	5.40E-09
5614	436507.13	3762594.59	1.67E-08	5.27E-08	6.94E-08	2.60E-09	8.60E-09	1.12E-08	1.40E-09	3.99E-09	5.39E-09
5615	436513.16	3762580	1.67E-08	5.25E-08	6.92E-08	2.59E-09	8.58E-09	1.12E-08	1.40E-09	3.98E-09	5.38E-09
5616	436519.18	3762565.41	1.66E-08	5.23E-08	6.89E-08	2.58E-09	8.55E-09	1.11E-08	1.39E-09	3.96E-09	5.35E-09
5617	436525.21	3762550.82	1.65E-08	5.20E-08	6.86E-08	2.57E-09	8.50E-09	1.11E-08	1.38E-09	3.94E-09	5.33E-09
5618	436531.24	3762536.23	1.64E-08	5.17E-08	6.81E-08	2.55E-09	8.45E-09	1.10E-08	1.37E-09	3.92E-09	5.29E-09
5619	436537.27	3762521.64	1.63E-08	5.13E-08	6.76E-08	2.53E-09	8.38E-09	1.09E-08	1.36E-09	3.89E-09	5.25E-09
5620	436543.29	3762507.05	1.62E-08	5.09E-08	6.70E-08	2.51E-09	8.31E-09	1.08E-08	1.35E-09	3.86E-09	5.21E-09
5621	436549.32	3762492.46	1.60E-08	5.04E-08	6.64E-08	2.49E-09	8.23E-09	1.07E-08	1.34E-09	3.82E-09	5.16E-09
5622	436579.46	3762419.5	1.52E-08	4.79E-08	6.31E-08	2.36E-09	7.82E-09	1.02E-08	1.27E-09	3.63E-09	4.90E-09
5623	436585.48	3762404.91	1.51E-08	4.74E-08	6.25E-08	2.34E-09	7.75E-09	1.01E-08	1.26E-09	3.59E-09	4.85E-09
5624	436591.51	3762390.32	1.49E-08	4.70E-08	6.19E-08	2.32E-09	7.67E-09	9.99E-09	1.25E-09	3.56E-09	4.81E-09
5625	436603.57	3762361.14	1.46E-08	4.60E-08	6.06E-08	2.27E-09	7.52E-09	9.79E-09	1.22E-09	3.49E-09	4.71E-09
5626	436609.59	3762346.55	1.45E-08	4.55E-08	6.00E-08	2.25E-09	7.44E-09	9.69E-09	1.21E-09	3.45E-09	4.66E-09
5627	436615.62	3762331.96	1.43E-08	4.51E-08	5.94E-08	2.22E-09	7.36E-09	9.59E-09	1.20E-09	3.41E-09	4.61E-09
5628	436621.65	3762317.37	1.42E-08	4.46E-08	5.88E-08	2.20E-09	7.29E-09	9.49E-09	1.19E-09	3.38E-09	4.57E-09
5629	436627.68	3762302.78	1.40E-08	4.42E-08	5.82E-08	2.18E-09	7.21E-09	9.39E-09	1.17E-09	3.35E-09	4.52E-09
5630	436633.7	3762288.19	1.39E-08	4.37E-08	5.76E-08	2.16E-09	7.15E-09	9.30E-09	1.16E-09	3.31E-09	4.48E-09
5631	436639.73	3762273.59	1.38E-08	4.33E-08	5.71E-08	2.14E-09	7.08E-09	9.22E-09	1.15E-09	3.28E-09	4.43E-09
5632	436645.76	3762259	1.36E-08	4.29E-08	5.65E-08	2.12E-09	7.01E-09	9.12E-09	1.14E-09	3.25E-09	4.39E-09
5633	436651.78	3762244.41	1.35E-08	4.25E-08	5.59E-08	2.09E-09	6.94E-09	9.03E-09	1.13E-09	3.22E-09	4.35E-09
5634	436657.81	3762229.82	1.33E-08	4.20E-08	5.54E-08	2.07E-09	6.87E-09	8.94E-09	1.12E-09	3.19E-09	4.30E-09
5635	436663.84	3762215.23	1.32E-08	4.16E-08	5.48E-08	2.05E-09	6.80E-09	8.85E-09	1.11E-09	3.15E-09	4.26E-09
5636	436669.87	3762200.64	1.31E-08	4.12E-08	5.43E-08	2.03E-09	6.73E-09	8.76E-09	1.09E-09	3.12E-09	4.22E-09
5637	436675.89	3762186.05	1.29E-08	4.08E-08	5.37E-08	2.01E-09	6.66E-09	8.67E-09	1.08E-09	3.09E-09	4.17E-09
5638	436681.92	3762171.46	1.28E-08	4.03E-08	5.32E-08	1.99E-09	6.59E-09	8.58E-09	1.07E-09	3.06E-09	4.13E-09
5639	436730.14	3762054.73	1.16E-08	3.65E-08	4.81E-08	1.80E-09	5.96E-09	7.77E-09	9.70E-10	2.77E-09	3.74E-09
5640	436851.45	3761979.93	1.15E-08	3.64E-08	4.79E-08	1.79E-09	5.94E-09	7.74E-09	9.67E-10	2.76E-09	3.72E-09
5641	436866.02	3761973.84	1.16E-08	3.64E-08	4.80E-08	1.80E-09	5.95E-09	7.75E-09	9.68E-10	2.76E-09	3.73E-09
5642	436880.58	3761967.76	1.16E-08	3.65E-08	4.81E-08	1.80E-09	5.96E-09	7.76E-09	9.69E-10	2.76E-09	3.73E-09
5643	436895.15	3761961.68	1.16E-08	3.65E-08	4.81E-08	1.80E-09	5.96E-09	7.76E-09	9.70E-10	2.77E-09	3.74E-09
5644	436909.72	3761955.59	1.16E-08	3.65E-08	4.81E-08	1.80E-09	5.96E-09	7.76E-09	9.69E-10	2.76E-09	3.73E-09
5645	436924.29	3761949.51	1.16E-08	3.64E-08	4.80E-08	1.80E-09	5.95E-09	7.74E-09	9.68E-10	2.76E-09	3.73E-09
5646	436938.85	3761943.43	1.15E-08	3.63E-08	4.78E-08	1.79E-09	5.93E-09	7.72E-09	9.65E-10	2.75E-09	3.71E-09
5647	436953.42	3761937.34	1.15E-08	3.62E-08	4.76E-08	1.78E-09	5.91E-09	7.69E-09	9.61E-10	2.74E-09	3.70E-09
5648	436967.99	3761931.26	1.14E-08	3.60E-08	4.75E-08	1.78E-09	5.89E-09	7.66E-09	9.58E-10	2.73E-09	3.69E-09
5649	436982.56	3761925.18	1.14E-08	3.59E-08	4.73E-08	1.77E-09	5.86E-09	7.63E-09	9.53E-10	2.72E-09	3.67E-09
5650	436997.12	3761919.1	1.13E-08	3.57E-08	4.70E-08	1.76E-09	5.83E-09	7.59E-09	9.49E-10	2.70E-09	3.65E-09
5651	437011.69	3761913.01	1.13E-08	3.55E-08	4.67E-08	1.75E-09	5.80E-09	7.55E-09	9.43E-10	2.69E-09	3.63E-09
5652	437026.26	3761906.93	1.12E-08	3.52E-08	4.64E-08	1.74E-09	5.76E-09	7.50E-09	9.37E-10	2.67E-09	3.61E-09
5653	437040.83	3761900.85	1.11E-08	3.50E-08	4.61E-08	1.73E-09	5.72E-09	7.44E-09	9.30E-10	2.65E-09	3.58E-09
5654	437055.39	3761894.76	1.10E-08	3.47E-08	4.57E-08	1.71E-09	5.67E-09	7.39E-09	9.23E-10	2.63E-09	3.55E-09
5655	437069.96	3761888.68	1.09E-08	3.44E-08	4.54E-08	1.70E-09	5.63E-09	7.33E-09	9.16E-10	2.61E-09	3.53E-09
5656	436473.98	3762682.8	1.66E-08	5.22E-08	6.88E-08	2.58E-09	8.53E-09	1.11E-08	1.39E-09	3.96E-09	5.35E-09
5657	436473.98	3762698.72	1.67E-08	5.25E-08	6.91E-08	2.59E-09	8.57E-09	1.12E-08	1.39E-09	3.97E-09	5.37E-09
5658	436436.99	3762667.55	1.54E-08	4.86E-08	6.41E-08	2.40E-09	7.95E-09	1.03E-08	1.29E-09	3.69E-09	4.98E-09
5659	436443.01	3762652.98	1.55E-08	4.89E-08	6.44E-08	2.41E-09	7.98E-09	1.04E-08	1.30E-09	3.70E-09	5.00E-09
5660	436449.03	3762638.41	1.56E-08	4.90E-08	6.46E-08	2.42E-09	8.01E-09	1.04E-08	1.30E-09	3.71E-09	5.02E-09
5661	436455.05	3762623.84	1.56E-08	4.91E-08	6.47E-08	2.42E-09	8.03E-09	1.04E-08	1.31E-09	3.72E-09	5.03E-09
5662	436461.06	3762609.27	1.56E-08	4.92E-08	6.48E-08	2.43E-09	8.03E-09	1.05E-08	1.31E-09	3.73E-09	5.03E-09
5663	436467.08	3762594.7	1.56E-08	4.92E-08	6.48E-08	2.43E-09	8.03E-09	1.05E-08	1.31E-09	3.72E-09	5.03E-09
5664	436473.1	3762580.13	1.56E-08	4.90E-08	6.46E-08	2.42E-09	8.01E-09	1.04E-08	1.30E-09	3.72E-09	5.02E-09
5665	436479.12	3762565.56	1.55E-08	4.89E-08	6.44E-08	2.41E-09	7.99E-09	1.04E-08	1.30E-09	3.70E-09	5.00E-09
5666	436485.14	3762550.99	1.55E-08	4.87E-08	6.41E-08	2.40E-09	7.95E-09	1.04E-08	1.29E-09	3.69E-09	4.98E-09
5667	436491.16	3762536.42	1.54E-08	4.84E-08	6.38E-08	2.39E-09	7.91E-09	1.03E-08	1.29E-09	3.67E-09	4.95E-09
5668	436497.18	3762521.85	1.53E-08	4.81E-08	6.33E-08	2.37E-09	7.85E-09	1.02E-08	1.28E-09	3.64E-09	4.92E-09
5669	436503.2	3762507.28	1.51E-08	4.77E-08	6.28E-08	2.35E-09	7.79E-09	1.01E-08	1.27E-09	3.61E-09	4.88E-09

5670	436509.22	3762492.71	1.50E-08	4.73E-08	6.23E-08	2.33E-09	7.73E-09	1.01E-08	1.26E-09	3.58E-09	4.84E-09
5671	436515.23	3762478.14	1.49E-08	4.68E-08	6.17E-08	2.31E-09	7.65E-09	9.96E-09	1.24E-09	3.55E-09	4.79E-09
5672	436521.25	3762463.57	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.58E-09	9.87E-09	1.23E-09	3.51E-09	4.75E-09
5673	436527.27	3762449	1.46E-08	4.59E-08	6.05E-08	2.27E-09	7.50E-09	9.77E-09	1.22E-09	3.48E-09	4.70E-09
5674	436533.29	3762434.43	1.44E-08	4.54E-08	5.99E-08	2.24E-09	7.42E-09	9.67E-09	1.21E-09	3.44E-09	4.65E-09
5675	436539.31	3762419.86	1.43E-08	4.50E-08	5.93E-08	2.22E-09	7.35E-09	9.57E-09	1.20E-09	3.41E-09	4.60E-09
5676	436545.33	3762405.29	1.41E-08	4.45E-08	5.87E-08	2.20E-09	7.27E-09	9.47E-09	1.18E-09	3.37E-09	4.56E-09
5677	436569.4	3762347.01	1.36E-08	4.28E-08	5.64E-08	2.11E-09	6.99E-09	9.11E-09	1.14E-09	3.24E-09	4.38E-09
5678	436575.42	3762332.44	1.35E-08	4.24E-08	5.59E-08	2.09E-09	6.93E-09	9.02E-09	1.13E-09	3.21E-09	4.34E-09
5679	436581.44	3762317.87	1.33E-08	4.20E-08	5.53E-08	2.07E-09	6.86E-09	8.93E-09	1.12E-09	3.18E-09	4.30E-09
5680	436587.46	3762303.3	1.32E-08	4.16E-08	5.48E-08	2.05E-09	6.79E-09	8.85E-09	1.11E-09	3.15E-09	4.26E-09
5681	436593.48	3762288.73	1.31E-08	4.12E-08	5.43E-08	2.03E-09	6.73E-09	8.77E-09	1.10E-09	3.12E-09	4.22E-09
5682	436599.5	3762274.16	1.30E-08	4.09E-08	5.38E-08	2.02E-09	6.67E-09	8.69E-09	1.09E-09	3.10E-09	4.18E-09
5683	436605.52	3762259.59	1.29E-08	4.05E-08	5.34E-08	2.00E-09	6.62E-09	8.61E-09	1.08E-09	3.07E-09	4.14E-09
5684	436611.54	3762245.02	1.27E-08	4.01E-08	5.29E-08	1.98E-09	6.56E-09	8.54E-09	1.07E-09	3.04E-09	4.11E-09
5685	436617.55	3762230.45	1.26E-08	3.98E-08	5.24E-08	1.96E-09	6.50E-09	8.46E-09	1.06E-09	3.01E-09	4.07E-09
5686	436623.57	3762215.88	1.25E-08	3.94E-08	5.20E-08	1.95E-09	6.44E-09	8.39E-09	1.05E-09	2.99E-09	4.04E-09
5687	436629.59	3762201.31	1.24E-08	3.91E-08	5.15E-08	1.93E-09	6.38E-09	8.31E-09	1.04E-09	2.96E-09	4.00E-09
5688	436635.61	3762186.74	1.23E-08	3.87E-08	5.09E-08	1.91E-09	6.32E-09	8.22E-09	1.03E-09	2.93E-09	3.96E-09
5689	436641.63	3762172.17	1.22E-08	3.83E-08	5.04E-08	1.89E-09	6.25E-09	8.14E-09	1.02E-09	2.90E-09	3.92E-09
5690	436647.65	3762157.6	1.20E-08	3.79E-08	4.99E-08	1.87E-09	6.19E-09	8.06E-09	1.01E-09	2.87E-09	3.88E-09
5691	436653.67	3762143.03	1.19E-08	3.75E-08	4.94E-08	1.85E-09	6.13E-09	7.98E-09	9.97E-10	2.84E-09	3.84E-09
5692	436659.69	3762128.45	1.18E-08	3.71E-08	4.89E-08	1.83E-09	6.06E-09	7.90E-09	9.87E-10	2.81E-09	3.80E-09
5693	436808.41	3761957.84	1.08E-08	3.40E-08	4.48E-08	1.68E-09	5.55E-09	7.23E-09	9.04E-10	2.58E-09	3.48E-09
5694	436822.96	3761951.76	1.08E-08	3.41E-08	4.49E-08	1.68E-09	5.56E-09	7.24E-09	9.05E-10	2.58E-09	3.49E-09
5695	436837.51	3761945.69	1.08E-08	3.41E-08	4.49E-08	1.68E-09	5.57E-09	7.25E-09	9.07E-10	2.58E-09	3.49E-09
5696	436852.05	3761939.61	1.08E-08	3.42E-08	4.50E-08	1.69E-09	5.58E-09	7.27E-09	9.08E-10	2.59E-09	3.50E-09
5697	436866.6	3761933.54	1.08E-08	3.42E-08	4.50E-08	1.69E-09	5.58E-09	7.27E-09	9.08E-10	2.59E-09	3.50E-09
5698	436881.15	3761927.46	1.08E-08	3.41E-08	4.50E-08	1.68E-09	5.58E-09	7.26E-09	9.08E-10	2.59E-09	3.50E-09
5699	436895.69	3761921.39	1.08E-08	3.41E-08	4.50E-08	1.68E-09	5.57E-09	7.26E-09	9.07E-10	2.59E-09	3.49E-09
5700	436910.24	3761915.31	1.08E-08	3.41E-08	4.49E-08	1.68E-09	5.57E-09	7.25E-09	9.05E-10	2.58E-09	3.49E-09
5701	436924.79	3761909.24	1.08E-08	3.40E-08	4.48E-08	1.68E-09	5.55E-09	7.23E-09	9.03E-10	2.58E-09	3.48E-09
5702	436939.33	3761903.16	1.08E-08	3.39E-08	4.46E-08	1.67E-09	5.53E-09	7.20E-09	9.00E-10	2.57E-09	3.47E-09
5703	436953.88	3761897.09	1.07E-08	3.37E-08	4.44E-08	1.66E-09	5.51E-09	7.17E-09	8.96E-10	2.55E-09	3.45E-09
5704	436968.43	3761891.01	1.06E-08	3.35E-08	4.42E-08	1.65E-09	5.48E-09	7.13E-09	8.91E-10	2.54E-09	3.43E-09
5705	436982.98	3761884.94	1.06E-08	3.33E-08	4.39E-08	1.64E-09	5.44E-09	7.09E-09	8.86E-10	2.53E-09	3.41E-09
5706	436433.98	3762682.8	1.54E-08	4.86E-08	6.41E-08	2.40E-09	7.94E-09	1.03E-08	1.29E-09	3.68E-09	4.98E-09
5707	436433.98	3762698.72	1.55E-08	4.88E-08	6.43E-08	2.41E-09	7.97E-09	1.04E-08	1.30E-09	3.70E-09	4.99E-09
5708	436397.02	3762667.49	1.44E-08	4.54E-08	5.98E-08	2.24E-09	7.42E-09	9.66E-09	1.21E-09	3.44E-09	4.65E-09
5709	436403.09	3762652.79	1.45E-08	4.57E-08	6.01E-08	2.25E-09	7.46E-09	9.71E-09	1.21E-09	3.46E-09	4.67E-09
5710	436409.16	3762638.08	1.46E-08	4.58E-08	6.04E-08	2.26E-09	7.49E-09	9.75E-09	1.22E-09	3.47E-09	4.69E-09
5711	436415.24	3762623.38	1.46E-08	4.59E-08	6.05E-08	2.27E-09	7.50E-09	9.77E-09	1.22E-09	3.48E-09	4.70E-09
5712	436421.31	3762608.68	1.46E-08	4.60E-08	6.06E-08	2.27E-09	7.52E-09	9.79E-09	1.22E-09	3.49E-09	4.71E-09
5713	436427.39	3762593.97	1.46E-08	4.60E-08	6.06E-08	2.27E-09	7.51E-09	9.78E-09	1.22E-09	3.48E-09	4.71E-09
5714	436433.46	3762579.27	1.46E-08	4.59E-08	6.05E-08	2.27E-09	7.50E-09	9.77E-09	1.22E-09	3.48E-09	4.70E-09
5715	436439.53	3762564.57	1.45E-08	4.58E-08	6.03E-08	2.26E-09	7.48E-09	9.74E-09	1.22E-09	3.47E-09	4.69E-09
5716	436445.61	3762549.86	1.45E-08	4.56E-08	6.01E-08	2.25E-09	7.45E-09	9.70E-09	1.21E-09	3.46E-09	4.67E-09
5717	436451.68	3762535.16	1.44E-08	4.54E-08	5.98E-08	2.24E-09	7.41E-09	9.65E-09	1.21E-09	3.44E-09	4.64E-09
5718	436457.75	3762520.46	1.43E-08	4.51E-08	5.94E-08	2.23E-09	7.37E-09	9.59E-09	1.20E-09	3.42E-09	4.62E-09
5719	436463.83	3762505.75	1.42E-08	4.48E-08	5.90E-08	2.21E-09	7.32E-09	9.53E-09	1.19E-09	3.39E-09	4.58E-09
5720	436469.9	3762491.05	1.41E-08	4.45E-08	5.86E-08	2.19E-09	7.26E-09	9.46E-09	1.18E-09	3.37E-09	4.55E-09
5721	436475.97	3762476.35	1.40E-08	4.41E-08	5.81E-08	2.18E-09	7.20E-09	9.38E-09	1.17E-09	3.34E-09	4.51E-09
5722	436482.05	3762461.65	1.39E-08	4.37E-08	5.75E-08	2.15E-09	7.13E-09	9.29E-09	1.16E-09	3.31E-09	4.47E-09
5723	436488.12	3762446.94	1.37E-08	4.32E-08	5.69E-08	2.13E-09	7.06E-09	9.19E-09	1.15E-09	3.27E-09	4.42E-09
5724	436494.2	3762432.24	1.36E-08	4.28E-08	5.63E-08	2.11E-09	6.99E-09	9.10E-09	1.14E-09	3.24E-09	4.38E-09
5725	436500.27	3762417.54	1.34E-08	4.23E-08	5.57E-08	2.09E-09	6.91E-09	9.00E-09	1.12E-09	3.21E-09	4.33E-09
5726	436506.34	3762402.83	1.33E-08	4.19E-08	5.52E-08	2.07E-09	6.85E-09	8.91E-09	1.11E-09	3.18E-09	4.29E-09
5727	436512.42	3762388.13	1.32E-08	4.15E-08	5.47E-08	2.05E-09	6.78E-09	8.83E-09	1.10E-09	3.14E-09	4.25E-09
5728	436518.49	3762373.43	1.30E-08	4.11E-08	5.41E-08	2.03E-09	6.71E-09	8.74E-09	1.09E-09	3.11E-09	4.21E-09
5729	436530.64	3762344.02	1.28E-08	4.03E-08	5.31E-08	1.99E-09	6.58E-09	8.57E-09	1.07E-09	3.05E-09	4.12E-09
5730	436536.71	3762329.32	1.27E-08	3.99E-08	5.26E-08	1.97E-09	6.52E-09	8.49E-09	1.06E-09	3.02E-09	4.08E-09

5731	436542.79	3762314.61	1.26E-08	3.96E-08	5.21E-08	1.95E-09	6.46E-09	8.41E-09	1.05E-09	3.00E-09	4.05E-09
5732	436548.86	3762299.91	1.24E-08	3.92E-08	5.16E-08	1.93E-09	6.40E-09	8.34E-09	1.04E-09	2.97E-09	4.01E-09
5733	436554.93	3762285.21	1.23E-08	3.89E-08	5.12E-08	1.92E-09	6.35E-09	8.27E-09	1.03E-09	2.94E-09	3.98E-09
5734	436561.01	3762270.51	1.22E-08	3.85E-08	5.08E-08	1.90E-09	6.30E-09	8.20E-09	1.02E-09	2.92E-09	3.95E-09
5735	436567.08	3762255.8	1.21E-08	3.82E-08	5.04E-08	1.89E-09	6.25E-09	8.14E-09	1.02E-09	2.90E-09	3.91E-09
5736	436573.15	3762241.1	1.21E-08	3.79E-08	5.00E-08	1.87E-09	6.20E-09	8.07E-09	1.01E-09	2.88E-09	3.88E-09
5737	436579.23	3762226.4	1.20E-08	3.76E-08	4.96E-08	1.86E-09	6.15E-09	8.00E-09	1.00E-09	2.85E-09	3.85E-09
5738	436585.3	3762211.69	1.19E-08	3.73E-08	4.92E-08	1.84E-09	6.10E-09	7.94E-09	9.92E-10	2.83E-09	3.82E-09
5739	436591.37	3762196.99	1.17E-08	3.70E-08	4.87E-08	1.82E-09	6.04E-09	7.87E-09	9.83E-10	2.80E-09	3.79E-09
5740	436597.45	3762182.29	1.16E-08	3.66E-08	4.83E-08	1.81E-09	5.98E-09	7.79E-09	9.74E-10	2.78E-09	3.75E-09
5741	436603.52	3762167.58	1.15E-08	3.62E-08	4.78E-08	1.79E-09	5.92E-09	7.71E-09	9.64E-10	2.75E-09	3.71E-09
5742	436609.6	3762152.88	1.14E-08	3.59E-08	4.73E-08	1.77E-09	5.86E-09	7.63E-09	9.53E-10	2.72E-09	3.67E-09
5743	436615.67	3762138.18	1.13E-08	3.55E-08	4.68E-08	1.75E-09	5.81E-09	7.56E-09	9.45E-10	2.69E-09	3.64E-09
5744	436621.74	3762123.47	1.12E-08	3.52E-08	4.64E-08	1.74E-09	5.75E-09	7.49E-09	9.36E-10	2.67E-09	3.60E-09
5745	436676.41	3761991.15	1.01E-08	3.19E-08	4.20E-08	1.57E-09	5.21E-09	6.78E-09	8.47E-10	2.41E-09	3.26E-09
5746	436682.48	3761976.44	9.96E-09	3.14E-08	4.13E-08	1.55E-09	5.12E-09	6.67E-09	8.34E-10	2.38E-09	3.21E-09
5747	436692.86	3761966.03	9.91E-09	3.12E-08	4.11E-08	1.54E-09	5.10E-09	6.64E-09	8.29E-10	2.36E-09	3.19E-09
5748	436707.54	3761959.9	9.96E-09	3.14E-08	4.13E-08	1.55E-09	5.13E-09	6.67E-09	8.34E-10	2.38E-09	3.21E-09
5749	436722.22	3761953.77	1.00E-08	3.15E-08	4.15E-08	1.55E-09	5.15E-09	6.70E-09	8.37E-10	2.39E-09	3.22E-09
5750	436795.61	3761923.12	1.01E-08	3.20E-08	4.21E-08	1.58E-09	5.22E-09	6.80E-09	8.49E-10	2.42E-09	3.27E-09
5751	436810.29	3761916.99	1.02E-08	3.20E-08	4.22E-08	1.58E-09	5.23E-09	6.81E-09	8.51E-10	2.43E-09	3.28E-09
5752	436824.97	3761910.86	1.02E-08	3.21E-08	4.23E-08	1.58E-09	5.24E-09	6.82E-09	8.52E-10	2.43E-09	3.28E-09
5753	436839.65	3761904.73	1.02E-08	3.21E-08	4.23E-08	1.58E-09	5.24E-09	6.82E-09	8.53E-10	2.43E-09	3.28E-09
5754	436854.33	3761898.6	1.02E-08	3.21E-08	4.23E-08	1.58E-09	5.24E-09	6.82E-09	8.52E-10	2.43E-09	3.28E-09
5755	436869.01	3761892.47	1.02E-08	3.20E-08	4.22E-08	1.58E-09	5.23E-09	6.82E-09	8.52E-10	2.43E-09	3.28E-09
5756	436883.69	3761886.34	1.02E-08	3.20E-08	4.22E-08	1.58E-09	5.23E-09	6.80E-09	8.50E-10	2.42E-09	3.27E-09
5757	436898.37	3761880.21	1.01E-08	3.19E-08	4.21E-08	1.58E-09	5.22E-09	6.79E-09	8.49E-10	2.42E-09	3.27E-09
5758	436913.05	3761874.08	1.01E-08	3.19E-08	4.20E-08	1.57E-09	5.21E-09	6.79E-09	8.48E-10	2.42E-09	3.27E-09
5759	436927.73	3761867.95	1.01E-08	3.18E-08	4.19E-08	1.57E-09	5.19E-09	6.76E-09	8.45E-10	2.41E-09	3.25E-09
5760	436942.41	3761861.82	1.00E-08	3.16E-08	4.17E-08	1.56E-09	5.17E-09	6.73E-09	8.41E-10	2.40E-09	3.24E-09
5761	436393.98	3762682.8	1.44E-08	4.54E-08	5.98E-08	2.24E-09	7.41E-09	9.65E-09	1.21E-09	3.44E-09	4.64E-09
5762	436393.98	3762698.72	1.44E-08	4.55E-08	5.99E-08	2.24E-09	7.43E-09	9.68E-09	1.21E-09	3.45E-09	4.66E-09
5763	437371.09	3762658.86	6.43E-07	2.02E-06	2.67E-06	9.99E-08	3.31E-07	4.31E-07	5.38E-08	1.53E-07	2.07E-07
5764	437363.04	3762578.91	2.39E-07	7.52E-07	9.90E-07	3.71E-08	1.23E-07	1.60E-07	2.00E-08	5.70E-08	7.69E-08
5765	437362.92	3762558.91	1.98E-07	6.25E-07	8.23E-07	3.08E-08	1.02E-07	1.33E-07	1.66E-08	4.73E-08	6.40E-08
5766	437362.79	3762538.91	1.67E-07	5.26E-07	6.93E-07	2.60E-08	8.60E-08	1.12E-07	1.40E-08	3.99E-08	5.39E-08
5767	437385.3	3762518.77	1.49E-07	4.69E-07	6.18E-07	2.31E-08	7.66E-08	9.98E-08	1.25E-08	3.55E-08	4.80E-08
5768	437362.67	3762518.91	1.42E-07	4.48E-07	5.90E-07	2.21E-08	7.32E-08	9.53E-08	1.19E-08	3.39E-08	4.58E-08
5769	437385.18	3762498.77	1.27E-07	4.01E-07	5.29E-07	1.98E-08	6.55E-08	8.53E-08	1.07E-08	3.04E-08	4.11E-08
5770	437362.54	3762498.91	1.22E-07	3.85E-07	5.07E-07	1.90E-08	6.29E-08	8.19E-08	1.02E-08	2.92E-08	3.94E-08
5771	437385.05	3762478.77	1.10E-07	3.47E-07	4.57E-07	1.71E-08	5.66E-08	7.38E-08	9.22E-09	2.63E-08	3.55E-08
5772	437362.42	3762478.91	1.06E-07	3.34E-07	4.41E-07	1.65E-08	5.46E-08	7.11E-08	8.89E-09	2.53E-08	3.42E-08
5773	437384.92	3762458.77	9.60E-08	3.02E-07	3.98E-07	1.49E-08	4.94E-08	6.43E-08	8.03E-09	2.29E-08	3.09E-08
5774	437362.29	3762458.91	9.29E-08	2.92E-07	3.85E-07	1.44E-08	4.78E-08	6.22E-08	7.77E-09	2.22E-08	2.99E-08
5775	437384.8	3762438.77	8.43E-08	2.65E-07	3.50E-07	1.31E-08	4.34E-08	5.65E-08	7.06E-09	2.01E-08	2.72E-08
5776	437362.16	3762438.92	8.18E-08	2.58E-07	3.40E-07	1.27E-08	4.21E-08	5.48E-08	6.85E-09	1.95E-08	2.64E-08
5777	437369.58	3762418.87	7.32E-08	2.31E-07	3.04E-07	1.14E-08	3.77E-08	4.91E-08	6.13E-09	1.75E-08	2.36E-08
5778	437369.46	3762398.87	6.53E-08	2.06E-07	2.71E-07	1.01E-08	3.36E-08	4.38E-08	5.47E-09	1.56E-08	2.11E-08
5779	437384.36	3762368.77	5.64E-08	1.78E-07	2.34E-07	8.77E-09	2.90E-08	3.78E-08	4.72E-09	1.35E-08	1.82E-08
5780	437369.27	3762368.87	5.56E-08	1.75E-07	2.31E-07	8.64E-09	2.86E-08	3.72E-08	4.65E-09	1.33E-08	1.79E-08
5781	437384.17	3762338.77	4.85E-08	1.53E-07	2.01E-07	7.54E-09	2.50E-08	3.25E-08	4.06E-09	1.16E-08	1.56E-08
5782	437369.08	3762338.87	4.78E-08	1.51E-07	1.99E-07	7.43E-09	2.46E-08	3.21E-08	4.00E-09	1.14E-08	1.54E-08
5783	437383.98	3762308.78	4.21E-08	1.33E-07	1.75E-07	6.55E-09	2.17E-08	2.82E-08	3.53E-09	1.01E-08	1.36E-08
5784	437368.89	3762308.87	4.16E-08	1.31E-07	1.73E-07	6.47E-09	2.14E-08	2.79E-08	3.48E-09	9.93E-09	1.34E-08
5785	437383.79	3762278.78	3.70E-08	1.16E-07	1.53E-07	5.75E-09	1.90E-08	2.48E-08	3.10E-09	8.82E-09	1.19E-08
5786	437368.7	3762278.87	3.65E-08	1.15E-07	1.52E-07	5.68E-09	1.88E-08	2.45E-08	3.06E-09	8.72E-09	1.18E-08
5787	437383.6	3762248.78	3.27E-08	1.03E-07	1.36E-07	5.09E-09	1.68E-08	2.19E-08	2.74E-09	7.81E-09	1.06E-08
5788	437368.51	3762248.87	3.24E-08	1.02E-07	1.34E-07	5.03E-09	1.67E-08	2.17E-08	2.71E-09	7.73E-09	1.04E-08
5789	437383.41	3762218.78	2.92E-08	9.20E-08	1.21E-07	4.54E-09	1.50E-08	1.96E-08	2.45E-09	6.97E-09	9.42E-09
5790	437368.32	3762218.87	2.89E-08	9.10E-08	1.20E-07	4.49E-09	1.49E-08	1.94E-08	2.42E-09	6.90E-09	9.32E-09
5791	437383.22	3762188.78	2.63E-08	8.27E-08	1.09E-07	4.08E-09	1.35E-08	1.76E-08	2.20E-09	6.27E-09	8.46E-09

5792	437368.13	3762188.87	2.60E-08	8.19E-08	1.08E-07	4.04E-09	1.34E-08	1.74E-08	2.18E-09	6.20E-09	8.38E-09
5793	437383.04	3762158.78	2.38E-08	7.48E-08	9.86E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.67E-09	7.66E-09
5794	437367.95	3762158.87	2.35E-08	7.41E-08	9.76E-08	3.66E-09	1.21E-08	1.58E-08	1.97E-09	5.62E-09	7.58E-09
5795	437382.85	3762128.78	2.16E-08	6.81E-08	8.97E-08	3.36E-09	1.11E-08	1.45E-08	1.81E-09	5.16E-09	6.97E-09
5796	437367.76	3762128.87	2.14E-08	6.75E-08	8.89E-08	3.33E-09	1.10E-08	1.44E-08	1.79E-09	5.11E-09	6.91E-09
5797	437382.66	3762098.78	1.98E-08	6.23E-08	8.21E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.72E-09	6.38E-09
5798	437367.57	3762098.87	1.96E-08	6.18E-08	8.14E-08	3.05E-09	1.01E-08	1.31E-08	1.64E-09	4.68E-09	6.32E-09
5799	437374.36	3761978.83	1.45E-08	4.57E-08	6.02E-08	2.25E-09	7.46E-09	9.72E-09	1.21E-09	3.46E-09	4.68E-09
5800	437359.27	3761978.92	1.44E-08	4.53E-08	5.97E-08	2.24E-09	7.40E-09	9.64E-09	1.20E-09	3.43E-09	4.64E-09
5801	437359.02	3761938.93	1.32E-08	4.15E-08	5.47E-08	2.05E-09	6.78E-09	8.83E-09	1.10E-09	3.15E-09	4.25E-09
5802	437358.76	3761898.93	1.22E-08	3.83E-08	5.05E-08	1.89E-09	6.26E-09	8.15E-09	1.02E-09	2.90E-09	3.92E-09
5803	437353.8	3762708.61	1.29E-06	4.05E-06	5.34E-06	2.00E-07	6.62E-07	8.62E-07	1.08E-07	3.07E-07	4.15E-07
5804	437353.8	3762718.3	1.55E-06	4.88E-06	6.43E-06	2.41E-07	7.97E-07	1.04E-06	1.30E-07	3.70E-07	4.99E-07
5805	437353.8	3762728	1.86E-06	5.85E-06	7.71E-06	2.89E-07	9.56E-07	1.24E-06	1.55E-07	4.43E-07	5.99E-07
5806	437353.8	3762737.69	2.16E-06	6.81E-06	8.97E-06	3.36E-07	1.11E-06	1.45E-06	1.81E-07	5.16E-07	6.97E-07
5807	437353.8	3762747.39	2.41E-06	7.60E-06	1.00E-05	3.75E-07	1.24E-06	1.62E-06	2.02E-07	5.76E-07	7.77E-07
5808	437353.8	3762757.09	2.59E-06	8.15E-06	1.07E-05	4.02E-07	1.33E-06	1.73E-06	2.17E-07	6.17E-07	8.34E-07
5809	437353.8	3762766.78	2.70E-06	8.51E-06	1.12E-05	4.20E-07	1.39E-06	1.81E-06	2.26E-07	6.45E-07	8.71E-07
5810	437353.8	3762776.48	2.77E-06	8.73E-06	1.15E-05	4.31E-07	1.43E-06	1.86E-06	2.32E-07	6.62E-07	8.94E-07
5811	437353.8	3762786.17	2.79E-06	8.79E-06	1.16E-05	4.34E-07	1.44E-06	1.87E-06	2.34E-07	6.66E-07	9.00E-07
5812	437353.8	3762795.87	2.77E-06	8.72E-06	1.15E-05	4.30E-07	1.42E-06	1.85E-06	2.32E-07	6.60E-07	8.92E-07
5813	437353.8	3762805.56	2.71E-06	8.54E-06	1.13E-05	4.22E-07	1.40E-06	1.82E-06	2.27E-07	6.47E-07	8.75E-07
5814	437353.8	3762815.26	2.62E-06	8.26E-06	1.09E-05	4.08E-07	1.35E-06	1.76E-06	2.20E-07	6.26E-07	8.46E-07
5815	437353.8	3762824.96	2.50E-06	7.86E-06	1.04E-05	3.88E-07	1.28E-06	1.67E-06	2.09E-07	5.96E-07	8.05E-07
5816	437353.8	3762834.65	2.33E-06	7.33E-06	9.65E-06	3.61E-07	1.20E-06	1.56E-06	1.95E-07	5.55E-07	7.50E-07
5817	437353.8	3762844.35	2.12E-06	6.66E-06	8.78E-06	3.29E-07	1.09E-06	1.42E-06	1.77E-07	5.05E-07	6.82E-07
5818	437353.8	3762854.04	1.86E-06	5.87E-06	7.73E-06	2.89E-07	9.58E-07	1.25E-06	1.56E-07	4.45E-07	6.00E-07
5819	437343.8	3762708.61	1.09E-06	3.43E-06	4.51E-06	1.69E-07	5.60E-07	7.29E-07	9.10E-08	2.60E-07	3.51E-07
5820	437343.8	3762718.3	1.27E-06	4.00E-06	5.27E-06	1.97E-07	6.53E-07	8.50E-07	1.06E-07	3.03E-07	4.09E-07
5821	437343.8	3762728	1.47E-06	4.63E-06	6.10E-06	2.29E-07	7.57E-07	9.85E-07	1.23E-07	3.51E-07	4.74E-07
5822	437343.8	3762737.69	1.67E-06	5.25E-06	6.92E-06	2.59E-07	8.58E-07	1.12E-06	1.40E-07	3.98E-07	5.38E-07
5823	437343.8	3762747.39	1.83E-06	5.78E-06	7.61E-06	2.85E-07	9.44E-07	1.23E-06	1.54E-07	4.38E-07	5.91E-07
5824	437343.8	3762757.09	1.96E-06	6.16E-06	8.11E-06	3.04E-07	1.01E-06	1.31E-06	1.64E-07	4.67E-07	6.30E-07
5825	437343.8	3762766.78	2.04E-06	6.42E-06	8.46E-06	3.17E-07	1.05E-06	1.37E-06	1.71E-07	4.86E-07	6.57E-07
5826	437343.8	3762776.48	2.09E-06	6.57E-06	8.66E-06	3.24E-07	1.07E-06	1.40E-06	1.75E-07	4.98E-07	6.73E-07
5827	437343.8	3762786.17	2.10E-06	6.62E-06	8.73E-06	3.27E-07	1.08E-06	1.41E-06	1.76E-07	5.02E-07	6.78E-07
5828	437343.8	3762795.87	2.09E-06	6.58E-06	8.67E-06	3.25E-07	1.07E-06	1.40E-06	1.75E-07	4.98E-07	6.73E-07
5829	437343.8	3762805.56	2.05E-06	6.45E-06	8.49E-06	3.18E-07	1.05E-06	1.37E-06	1.71E-07	4.89E-07	6.60E-07
5830	437343.8	3762815.26	1.98E-06	6.23E-06	8.21E-06	3.07E-07	1.02E-06	1.32E-06	1.66E-07	4.72E-07	6.38E-07
5831	437343.8	3762824.96	1.88E-06	5.92E-06	7.80E-06	2.92E-07	9.68E-07	1.26E-06	1.57E-07	4.49E-07	6.06E-07
5832	437343.8	3762834.65	1.75E-06	5.53E-06	7.28E-06	2.73E-07	9.03E-07	1.18E-06	1.47E-07	4.19E-07	5.66E-07
5833	437343.8	3762844.35	1.61E-06	5.07E-06	6.68E-06	2.50E-07	8.28E-07	1.08E-06	1.35E-07	3.84E-07	5.19E-07
5834	437343.8	3762854.04	1.44E-06	4.55E-06	5.99E-06	2.24E-07	7.43E-07	9.67E-07	1.21E-07	3.45E-07	4.66E-07
5835	437313.8	3762718.3	7.63E-07	2.40E-06	3.16E-06	1.19E-07	3.92E-07	5.11E-07	6.38E-08	1.82E-07	2.46E-07
5836	437313.8	3762728	8.35E-07	2.63E-06	3.46E-06	1.30E-07	4.30E-07	5.59E-07	6.99E-08	1.99E-07	2.69E-07
5837	437313.8	3762737.69	9.04E-07	2.85E-06	3.75E-06	1.41E-07	4.65E-07	6.06E-07	7.57E-08	2.16E-07	2.91E-07
5838	437313.8	3762747.39	9.66E-07	3.04E-06	4.01E-06	1.50E-07	4.97E-07	6.47E-07	8.09E-08	2.31E-07	3.11E-07
5839	437313.8	3762757.09	1.02E-06	3.20E-06	4.22E-06	1.58E-07	5.23E-07	6.81E-07	8.51E-08	2.43E-07	3.28E-07
5840	437313.8	3762766.78	1.05E-06	3.32E-06	4.37E-06	1.64E-07	5.42E-07	7.06E-07	8.82E-08	2.51E-07	3.40E-07
5841	437313.8	3762776.48	1.08E-06	3.40E-06	4.47E-06	1.68E-07	5.55E-07	7.22E-07	9.03E-08	2.57E-07	3.48E-07
5842	437313.8	3762786.17	1.09E-06	3.43E-06	4.52E-06	1.69E-07	5.61E-07	7.30E-07	9.12E-08	2.60E-07	3.51E-07
5843	437313.8	3762795.87	1.09E-06	3.43E-06	4.52E-06	1.69E-07	5.60E-07	7.29E-07	9.11E-08	2.60E-07	3.51E-07
5844	437313.8	3762805.56	1.07E-06	3.38E-06	4.46E-06	1.67E-07	5.53E-07	7.20E-07	9.00E-08	2.56E-07	3.46E-07
5845	437313.8	3762815.26	1.05E-06	3.30E-06	4.35E-06	1.63E-07	5.39E-07	7.02E-07	8.77E-08	2.50E-07	3.38E-07
5846	437313.8	3762824.96	1.01E-06	3.17E-06	4.18E-06	1.57E-07	5.18E-07	6.75E-07	8.43E-08	2.40E-07	3.25E-07
5847	437313.8	3762834.65	9.56E-07	3.01E-06	3.97E-06	1.48E-07	4.92E-07	6.40E-07	8.00E-08	2.28E-07	3.08E-07
5848	437303.8	3762718.3	6.63E-07	2.09E-06	2.75E-06	1.03E-07	3.41E-07	4.44E-07	5.55E-08	1.58E-07	2.14E-07
5849	437303.8	3762728	7.19E-07	2.26E-06	2.98E-06	1.12E-07	3.70E-07	4.81E-07	6.01E-08	1.71E-07	2.32E-07
5850	437303.8	3762737.69	7.71E-07	2.43E-06	3.20E-06	1.20E-07	3.97E-07	5.17E-07	6.46E-08	1.84E-07	2.49E-07
5851	437303.8	3762747.39	8.19E-07	2.58E-06	3.40E-06	1.27E-07	4.21E-07	5.48E-07	6.85E-08	1.95E-07	2.64E-07
5852	437303.8	3762757.09	8.58E-07	2.70E-06	3.56E-06	1.33E-07	4.41E-07	5.74E-07	7.18E-08	2.05E-07	2.76E-07

5853	437303.8	3762766.78	8.87E-07	2.79E-06	3.68E-06	1.38E-07	4.56E-07	5.94E-07	7.42E-08	2.12E-07	2.86E-07
5854	437303.8	3762776.48	9.07E-07	2.86E-06	3.76E-06	1.41E-07	4.66E-07	6.07E-07	7.59E-08	2.16E-07	2.92E-07
5855	437303.8	3762786.17	9.16E-07	2.89E-06	3.80E-06	1.42E-07	4.71E-07	6.14E-07	7.67E-08	2.19E-07	2.95E-07
5856	437303.8	3762795.87	9.16E-07	2.88E-06	3.80E-06	1.42E-07	4.71E-07	6.14E-07	7.67E-08	2.19E-07	2.95E-07
5857	437303.8	3762805.56	9.06E-07	2.85E-06	3.76E-06	1.41E-07	4.66E-07	6.07E-07	7.58E-08	2.16E-07	2.92E-07
5858	437303.8	3762815.26	8.85E-07	2.79E-06	3.67E-06	1.38E-07	4.55E-07	5.93E-07	7.41E-08	2.11E-07	2.85E-07
5859	437303.8	3762824.96	8.55E-07	2.69E-06	3.55E-06	1.33E-07	4.40E-07	5.72E-07	7.15E-08	2.04E-07	2.75E-07
5860	437303.8	3762834.65	8.15E-07	2.57E-06	3.38E-06	1.27E-07	4.20E-07	5.46E-07	6.83E-08	1.95E-07	2.63E-07
5861	437293.8	3762718.3	5.83E-07	1.84E-06	2.42E-06	9.06E-08	3.00E-07	3.90E-07	4.88E-08	1.39E-07	1.88E-07
5862	437293.8	3762728	6.26E-07	1.97E-06	2.60E-06	9.73E-08	3.22E-07	4.19E-07	5.24E-08	1.49E-07	2.02E-07
5863	437293.8	3762737.69	6.67E-07	2.10E-06	2.77E-06	1.04E-07	3.43E-07	4.47E-07	5.59E-08	1.59E-07	2.15E-07
5864	437293.8	3762747.39	7.04E-07	2.22E-06	2.92E-06	1.09E-07	3.62E-07	4.72E-07	5.90E-08	1.68E-07	2.27E-07
5865	437293.8	3762757.09	7.35E-07	2.31E-06	3.05E-06	1.14E-07	3.78E-07	4.92E-07	6.15E-08	1.75E-07	2.37E-07
5866	437293.8	3762766.78	7.58E-07	2.39E-06	3.15E-06	1.18E-07	3.90E-07	5.08E-07	6.35E-08	1.81E-07	2.44E-07
5867	437293.8	3762776.48	7.74E-07	2.44E-06	3.21E-06	1.20E-07	3.98E-07	5.19E-07	6.48E-08	1.85E-07	2.50E-07
5868	437293.8	3762786.17	7.82E-07	2.46E-06	3.25E-06	1.22E-07	4.02E-07	5.24E-07	6.55E-08	1.87E-07	2.52E-07
5869	437293.8	3762795.87	7.82E-07	2.46E-06	3.25E-06	1.22E-07	4.02E-07	5.24E-07	6.55E-08	1.87E-07	2.52E-07
5870	437293.8	3762805.56	7.74E-07	2.44E-06	3.21E-06	1.20E-07	3.98E-07	5.19E-07	6.48E-08	1.85E-07	2.50E-07
5871	437293.8	3762815.26	7.59E-07	2.39E-06	3.15E-06	1.18E-07	3.90E-07	5.08E-07	6.35E-08	1.81E-07	2.45E-07
5872	437293.8	3762824.96	7.35E-07	2.32E-06	3.05E-06	1.14E-07	3.78E-07	4.93E-07	6.16E-08	1.75E-07	2.37E-07
5873	437293.8	3762834.65	7.05E-07	2.22E-06	2.93E-06	1.10E-07	3.63E-07	4.72E-07	5.90E-08	1.68E-07	2.27E-07
5874	437287.12	3762690.85	4.33E-07	1.36E-06	1.80E-06	6.73E-08	2.23E-07	2.90E-07	3.63E-08	1.03E-07	1.40E-07
5875	437283.8	3762718.3	5.17E-07	1.63E-06	2.14E-06	8.03E-08	2.66E-07	3.46E-07	4.33E-08	1.23E-07	1.67E-07
5876	437283.8	3762728	5.51E-07	1.74E-06	2.29E-06	8.57E-08	2.84E-07	3.69E-07	4.61E-08	1.32E-07	1.78E-07
5877	437283.8	3762737.69	5.84E-07	1.84E-06	2.42E-06	9.08E-08	3.00E-07	3.91E-07	4.89E-08	1.39E-07	1.88E-07
5878	437283.8	3762747.39	6.14E-07	1.93E-06	2.55E-06	9.53E-08	3.16E-07	4.11E-07	5.14E-08	1.46E-07	1.98E-07
5879	437283.8	3762757.09	6.38E-07	2.01E-06	2.65E-06	9.91E-08	3.28E-07	4.27E-07	5.34E-08	1.52E-07	2.06E-07
5880	437283.8	3762766.78	6.57E-07	2.07E-06	2.73E-06	1.02E-07	3.38E-07	4.40E-07	5.50E-08	1.57E-07	2.12E-07
5881	437283.8	3762776.48	6.70E-07	2.11E-06	2.78E-06	1.04E-07	3.45E-07	4.49E-07	5.61E-08	1.60E-07	2.16E-07
5882	437283.8	3762786.17	6.76E-07	2.13E-06	2.81E-06	1.05E-07	3.48E-07	4.53E-07	5.66E-08	1.61E-07	2.18E-07
5883	437283.8	3762795.87	6.77E-07	2.13E-06	2.81E-06	1.05E-07	3.48E-07	4.53E-07	5.66E-08	1.61E-07	2.18E-07
5884	437283.8	3762805.56	6.70E-07	2.11E-06	2.78E-06	1.04E-07	3.45E-07	4.49E-07	5.61E-08	1.60E-07	2.16E-07
5885	437283.8	3762815.26	6.58E-07	2.07E-06	2.73E-06	1.02E-07	3.39E-07	4.41E-07	5.51E-08	1.57E-07	2.12E-07
5886	437283.8	3762824.96	6.40E-07	2.02E-06	2.66E-06	9.95E-08	3.29E-07	4.29E-07	5.36E-08	1.53E-07	2.06E-07
5887	437283.8	3762834.65	6.17E-07	1.94E-06	2.56E-06	9.58E-08	3.17E-07	4.13E-07	5.16E-08	1.47E-07	1.99E-07
5888	437283.8	3762844.35	5.88E-07	1.85E-06	2.44E-06	9.13E-08	3.02E-07	3.94E-07	4.92E-08	1.40E-07	1.89E-07
5889	437283.61	3762675.12	3.69E-07	1.16E-06	1.53E-06	5.73E-08	1.90E-07	2.47E-07	3.08E-08	8.79E-08	1.19E-07
5890	437290.15	3762659.26	3.41E-07	1.07E-06	1.42E-06	5.30E-08	1.76E-07	2.29E-07	2.86E-08	8.14E-08	1.10E-07
5891	437296.69	3762643.4	3.13E-07	9.86E-07	1.30E-06	4.87E-08	1.61E-07	2.10E-07	2.62E-08	7.47E-08	1.01E-07
5892	437273.8	3762718.3	4.62E-07	1.45E-06	1.92E-06	7.18E-08	2.38E-07	3.09E-07	3.87E-08	1.10E-07	1.49E-07
5893	437273.8	3762728	4.90E-07	1.54E-06	2.03E-06	7.61E-08	2.52E-07	3.28E-07	4.10E-08	1.17E-07	1.58E-07
5894	437273.8	3762737.69	5.16E-07	1.63E-06	2.14E-06	8.02E-08	2.66E-07	3.46E-07	4.32E-08	1.23E-07	1.66E-07
5895	437273.8	3762747.39	5.40E-07	1.70E-06	2.24E-06	8.39E-08	2.78E-07	3.62E-07	4.52E-08	1.29E-07	1.74E-07
5896	437273.8	3762757.09	5.60E-07	1.76E-06	2.32E-06	8.70E-08	2.88E-07	3.75E-07	4.68E-08	1.34E-07	1.80E-07
5897	437273.8	3762766.78	5.75E-07	1.81E-06	2.39E-06	8.94E-08	2.96E-07	3.85E-07	4.81E-08	1.37E-07	1.85E-07
5898	437273.8	3762776.48	5.86E-07	1.85E-06	2.43E-06	9.10E-08	3.01E-07	3.92E-07	4.90E-08	1.40E-07	1.89E-07
5899	437273.8	3762786.17	5.92E-07	1.86E-06	2.45E-06	9.19E-08	3.04E-07	3.96E-07	4.95E-08	1.41E-07	1.91E-07
5900	437273.8	3762795.87	5.92E-07	1.86E-06	2.46E-06	9.20E-08	3.05E-07	3.96E-07	4.95E-08	1.41E-07	1.91E-07
5901	437273.8	3762805.56	5.87E-07	1.85E-06	2.44E-06	9.12E-08	3.02E-07	3.93E-07	4.91E-08	1.40E-07	1.89E-07
5902	437273.8	3762815.26	5.77E-07	1.82E-06	2.40E-06	8.97E-08	2.97E-07	3.87E-07	4.83E-08	1.38E-07	1.86E-07
5903	437273.8	3762824.96	5.63E-07	1.77E-06	2.34E-06	8.75E-08	2.90E-07	3.77E-07	4.71E-08	1.34E-07	1.81E-07
5904	437273.8	3762834.65	5.44E-07	1.71E-06	2.26E-06	8.45E-08	2.80E-07	3.64E-07	4.55E-08	1.30E-07	1.75E-07
5905	437273.8	3762844.35	5.21E-07	1.64E-06	2.16E-06	8.09E-08	2.68E-07	3.49E-07	4.36E-08	1.24E-07	1.68E-07
5906	437267.43	3762690.1	3.58E-07	1.13E-06	1.48E-06	5.56E-08	1.84E-07	2.40E-07	2.99E-08	8.53E-08	1.15E-07
5907	437263.8	3762718.3	4.16E-07	1.31E-06	1.72E-06	6.46E-08	2.14E-07	2.78E-07	3.48E-08	9.92E-08	1.34E-07
5908	437263.8	3762728	4.39E-07	1.38E-06	1.82E-06	6.81E-08	2.26E-07	2.94E-07	3.67E-08	1.05E-07	1.41E-07
5909	437263.8	3762737.69	4.60E-07	1.45E-06	1.91E-06	7.15E-08	2.37E-07	3.08E-07	3.85E-08	1.10E-07	1.48E-07
5910	437263.8	3762747.39	4.79E-07	1.51E-06	1.99E-06	7.44E-08	2.46E-07	3.21E-07	4.01E-08	1.14E-07	1.54E-07
5911	437263.8	3762757.09	4.95E-07	1.56E-06	2.06E-06	7.70E-08	2.55E-07	3.32E-07	4.15E-08	1.18E-07	1.60E-07
5912	437263.8	3762766.78	5.08E-07	1.60E-06	2.11E-06	7.90E-08	2.61E-07	3.40E-07	4.25E-08	1.21E-07	1.64E-07
5913	437263.8	3762776.48	5.17E-07	1.63E-06	2.15E-06	8.04E-08	2.66E-07	3.47E-07	4.33E-08	1.23E-07	1.67E-07

5914	437263.8	3762786.17	5.22E-07	1.64E-06	2.17E-06	8.11E-08	2.69E-07	3.50E-07	4.37E-08	1.25E-07	1.68E-07
5915	437263.8	3762795.87	5.23E-07	1.65E-06	2.17E-06	8.12E-08	2.69E-07	3.50E-07	4.37E-08	1.25E-07	1.68E-07
5916	437263.8	3762805.56	5.19E-07	1.63E-06	2.15E-06	8.06E-08	2.67E-07	3.47E-07	4.34E-08	1.24E-07	1.67E-07
5917	437263.8	3762815.26	5.11E-07	1.61E-06	2.12E-06	7.94E-08	2.63E-07	3.42E-07	4.28E-08	1.22E-07	1.65E-07
5918	437263.8	3762824.96	4.99E-07	1.57E-06	2.07E-06	7.75E-08	2.57E-07	3.34E-07	4.18E-08	1.19E-07	1.61E-07
5919	437263.8	3762834.65	4.83E-07	1.52E-06	2.01E-06	7.51E-08	2.49E-07	3.24E-07	4.05E-08	1.15E-07	1.56E-07
5920	437263.8	3762844.35	4.64E-07	1.46E-06	1.93E-06	7.21E-08	2.39E-07	3.11E-07	3.89E-08	1.11E-07	1.50E-07
5921	437247.29	3762690.45	3.01E-07	9.48E-07	1.25E-06	4.68E-08	1.55E-07	2.02E-07	2.52E-08	7.19E-08	9.71E-08
5922	437320.86	3762596.62	2.38E-07	7.49E-07	9.87E-07	3.70E-08	1.22E-07	1.59E-07	1.99E-08	5.68E-08	7.67E-08
5923	437346.17	3762585.99	2.40E-07	7.56E-07	9.96E-07	3.73E-08	1.23E-07	1.61E-07	2.01E-08	5.73E-08	7.74E-08
5924	437243.8	3762718.3	3.42E-07	1.08E-06	1.42E-06	5.32E-08	1.76E-07	2.29E-07	2.86E-08	8.17E-08	1.10E-07
5925	437243.8	3762728	3.58E-07	1.13E-06	1.49E-06	5.56E-08	1.84E-07	2.40E-07	3.00E-08	8.54E-08	1.15E-07
5926	437243.8	3762737.69	3.73E-07	1.17E-06	1.55E-06	5.79E-08	1.92E-07	2.50E-07	3.12E-08	8.89E-08	1.20E-07
5927	437243.8	3762747.39	3.86E-07	1.21E-06	1.60E-06	5.99E-08	1.98E-07	2.58E-07	3.23E-08	9.20E-08	1.24E-07
5928	437243.8	3762757.09	3.97E-07	1.25E-06	1.65E-06	6.17E-08	2.04E-07	2.66E-07	3.32E-08	9.47E-08	1.28E-07
5929	437243.8	3762766.78	4.06E-07	1.28E-06	1.68E-06	6.31E-08	2.09E-07	2.72E-07	3.40E-08	9.69E-08	1.31E-07
5930	437243.8	3762776.48	4.12E-07	1.30E-06	1.71E-06	6.41E-08	2.12E-07	2.76E-07	3.45E-08	9.84E-08	1.33E-07
5931	437243.8	3762786.17	4.16E-07	1.31E-06	1.73E-06	6.46E-08	2.14E-07	2.79E-07	3.48E-08	9.93E-08	1.34E-07
5932	437243.8	3762795.87	4.16E-07	1.31E-06	1.73E-06	6.47E-08	2.14E-07	2.79E-07	3.49E-08	9.94E-08	1.34E-07
5933	437243.8	3762805.56	4.14E-07	1.30E-06	1.72E-06	6.43E-08	2.13E-07	2.77E-07	3.46E-08	9.88E-08	1.33E-07
5934	437243.8	3762815.26	4.09E-07	1.29E-06	1.70E-06	6.35E-08	2.10E-07	2.74E-07	3.42E-08	9.75E-08	1.32E-07
5935	437243.8	3762824.96	4.00E-07	1.26E-06	1.66E-06	6.22E-08	2.06E-07	2.68E-07	3.35E-08	9.55E-08	1.29E-07
5936	437243.8	3762834.65	3.90E-07	1.23E-06	1.62E-06	6.05E-08	2.00E-07	2.61E-07	3.26E-08	9.30E-08	1.26E-07
5937	437243.8	3762844.35	3.76E-07	1.19E-06	1.56E-06	5.85E-08	1.94E-07	2.52E-07	3.15E-08	8.98E-08	1.21E-07
5938	437227.19	3762690.69	2.58E-07	8.13E-07	1.07E-06	4.01E-08	1.33E-07	1.73E-07	2.16E-08	6.16E-08	8.32E-08
5939	437305.5	3762583.01	1.99E-07	6.26E-07	8.25E-07	3.09E-08	1.02E-07	1.33E-07	1.66E-08	4.74E-08	6.41E-08
5940	437321.91	3762576.13	2.01E-07	6.32E-07	8.33E-07	3.12E-08	1.03E-07	1.34E-07	1.68E-08	4.79E-08	6.47E-08
5941	437346.51	3762565.8	2.00E-07	6.31E-07	8.31E-07	3.11E-08	1.03E-07	1.34E-07	1.68E-08	4.78E-08	6.46E-08
5942	437223.8	3762718.3	2.87E-07	9.03E-07	1.19E-06	4.45E-08	1.47E-07	1.92E-07	2.40E-08	6.84E-08	9.24E-08
5943	437223.8	3762728	2.98E-07	9.39E-07	1.24E-06	4.63E-08	1.53E-07	2.00E-07	2.49E-08	7.11E-08	9.61E-08
5944	437223.8	3762737.69	3.09E-07	9.72E-07	1.28E-06	4.80E-08	1.59E-07	2.07E-07	2.58E-08	7.36E-08	9.95E-08
5945	437223.8	3762747.39	3.18E-07	1.00E-06	1.32E-06	4.94E-08	1.64E-07	2.13E-07	2.66E-08	7.59E-08	1.02E-07
5946	437223.8	3762757.09	3.26E-07	1.03E-06	1.35E-06	5.06E-08	1.68E-07	2.18E-07	2.73E-08	7.78E-08	1.05E-07
5947	437223.8	3762766.78	3.32E-07	1.05E-06	1.38E-06	5.16E-08	1.71E-07	2.23E-07	2.78E-08	7.93E-08	1.07E-07
5948	437223.8	3762776.48	3.37E-07	1.06E-06	1.40E-06	5.23E-08	1.73E-07	2.26E-07	2.82E-08	8.03E-08	1.09E-07
5949	437223.8	3762786.17	3.39E-07	1.07E-06	1.41E-06	5.27E-08	1.75E-07	2.27E-07	2.84E-08	8.09E-08	1.09E-07
5950	437223.8	3762795.87	3.40E-07	1.07E-06	1.41E-06	5.28E-08	1.75E-07	2.28E-07	2.84E-08	8.10E-08	1.09E-07
5951	437223.8	3762805.56	3.38E-07	1.06E-06	1.40E-06	5.25E-08	1.74E-07	2.26E-07	2.83E-08	8.06E-08	1.09E-07
5952	437223.8	3762815.26	3.34E-07	1.05E-06	1.39E-06	5.19E-08	1.72E-07	2.24E-07	2.80E-08	7.97E-08	1.08E-07
5953	437223.8	3762824.96	3.28E-07	1.03E-06	1.36E-06	5.10E-08	1.69E-07	2.20E-07	2.75E-08	7.83E-08	1.06E-07
5954	437223.8	3762834.65	3.21E-07	1.01E-06	1.33E-06	4.98E-08	1.65E-07	2.15E-07	2.68E-08	7.65E-08	1.03E-07
5955	437223.8	3762844.35	3.11E-07	9.80E-07	1.29E-06	4.84E-08	1.60E-07	2.09E-07	2.61E-08	7.43E-08	1.00E-07
5956	437207.38	3762690.23	2.22E-07	6.99E-07	9.22E-07	3.45E-08	1.14E-07	1.49E-07	1.86E-08	5.30E-08	7.16E-08
5957	437293.57	3762567.97	1.69E-07	5.32E-07	7.01E-07	2.62E-08	8.69E-08	1.13E-07	1.41E-08	4.03E-08	5.44E-08
5958	437319.53	3762557.07	1.71E-07	5.38E-07	7.09E-07	2.65E-08	8.79E-08	1.14E-07	1.43E-08	4.08E-08	5.51E-08
5959	437336.83	3762549.81	1.70E-07	5.36E-07	7.06E-07	2.64E-08	8.76E-08	1.14E-07	1.42E-08	4.06E-08	5.49E-08
5960	437345.49	3762546.18	1.69E-07	5.34E-07	7.03E-07	2.63E-08	8.72E-08	1.13E-07	1.42E-08	4.04E-08	5.46E-08
5961	437203.8	3762718.3	2.43E-07	7.66E-07	1.01E-06	3.78E-08	1.25E-07	1.63E-07	2.04E-08	5.81E-08	7.84E-08
5962	437203.8	3762728	2.52E-07	7.93E-07	1.04E-06	3.91E-08	1.30E-07	1.69E-07	2.11E-08	6.01E-08	8.12E-08
5963	437203.8	3762737.69	2.60E-07	8.17E-07	1.08E-06	4.03E-08	1.34E-07	1.74E-07	2.17E-08	6.19E-08	8.37E-08
5964	437203.8	3762747.39	2.66E-07	8.39E-07	1.11E-06	4.14E-08	1.37E-07	1.78E-07	2.23E-08	6.36E-08	8.59E-08
5965	437203.8	3762757.09	2.72E-07	8.57E-07	1.13E-06	4.23E-08	1.40E-07	1.82E-07	2.28E-08	6.50E-08	8.78E-08
5966	437203.8	3762766.78	2.77E-07	8.72E-07	1.15E-06	4.30E-08	1.42E-07	1.85E-07	2.32E-08	6.61E-08	8.92E-08
5967	437203.8	3762776.48	2.80E-07	8.82E-07	1.16E-06	4.35E-08	1.44E-07	1.88E-07	2.34E-08	6.68E-08	9.03E-08
5968	437203.8	3762786.17	2.82E-07	8.88E-07	1.17E-06	4.38E-08	1.45E-07	1.89E-07	2.36E-08	6.73E-08	9.09E-08
5969	437203.8	3762795.87	2.82E-07	8.89E-07	1.17E-06	4.39E-08	1.45E-07	1.89E-07	2.36E-08	6.73E-08	9.10E-08
5970	437203.8	3762805.56	2.81E-07	8.85E-07	1.17E-06	4.37E-08	1.45E-07	1.88E-07	2.35E-08	6.70E-08	9.06E-08
5971	437203.8	3762815.26	2.78E-07	8.76E-07	1.15E-06	4.32E-08	1.43E-07	1.86E-07	2.33E-08	6.64E-08	8.97E-08
5972	437203.8	3762824.96	2.74E-07	8.63E-07	1.14E-06	4.26E-08	1.41E-07	1.83E-07	2.29E-08	6.54E-08	8.83E-08
5973	437203.8	3762834.65	2.68E-07	8.45E-07	1.11E-06	4.17E-08	1.38E-07	1.80E-07	2.25E-08	6.40E-08	8.65E-08
5974	437203.8	3762844.35	2.61E-07	8.23E-07	1.08E-06	4.06E-08	1.35E-07	1.75E-07	2.19E-08	6.24E-08	8.43E-08

5975	437187.29	3762690.45	1.93E-07	6.08E-07	8.01E-07	3.00E-08	9.93E-08	1.29E-07	1.62E-08	4.60E-08	6.22E-08
5976	437303.61	3762543.7	1.47E-07	4.62E-07	6.09E-07	2.28E-08	7.55E-08	9.83E-08	1.23E-08	3.50E-08	4.73E-08
5977	437320.48	3762536.62	1.47E-07	4.62E-07	6.08E-07	2.28E-08	7.54E-08	9.82E-08	1.23E-08	3.50E-08	4.73E-08
5978	437345.79	3762526	1.45E-07	4.55E-07	6.00E-07	2.25E-08	7.44E-08	9.68E-08	1.21E-08	3.45E-08	4.66E-08
5979	437183.8	3762718.3	2.09E-07	6.58E-07	8.67E-07	3.25E-08	1.07E-07	1.40E-07	1.75E-08	4.98E-08	6.73E-08
5980	437183.8	3762728	2.15E-07	6.78E-07	8.94E-07	3.35E-08	1.11E-07	1.44E-07	1.80E-08	5.14E-08	6.94E-08
5981	437183.8	3762737.69	2.21E-07	6.97E-07	9.18E-07	3.44E-08	1.14E-07	1.48E-07	1.85E-08	5.28E-08	7.13E-08
5982	437183.8	3762747.39	2.26E-07	7.13E-07	9.39E-07	3.52E-08	1.16E-07	1.52E-07	1.90E-08	5.40E-08	7.30E-08
5983	437183.8	3762757.09	2.31E-07	7.27E-07	9.58E-07	3.59E-08	1.19E-07	1.55E-07	1.93E-08	5.51E-08	7.44E-08
5984	437265.87	3762539.49	1.26E-07	3.97E-07	5.23E-07	1.96E-08	6.48E-08	8.44E-08	1.05E-08	3.01E-08	4.06E-08
5985	437274.66	3762535.8	1.27E-07	3.99E-07	5.26E-07	1.97E-08	6.52E-08	8.49E-08	1.06E-08	3.03E-08	4.09E-08
5986	437292.24	3762528.42	1.28E-07	4.02E-07	5.29E-07	1.98E-08	6.56E-08	8.55E-08	1.07E-08	3.04E-08	4.11E-08
5987	437318.6	3762517.36	1.27E-07	4.00E-07	5.27E-07	1.97E-08	6.53E-08	8.50E-08	1.06E-08	3.03E-08	4.09E-08
5988	437336.18	3762509.98	1.26E-07	3.95E-07	5.21E-07	1.95E-08	6.46E-08	8.41E-08	1.05E-08	3.00E-08	4.05E-08
5989	437344.97	3762506.29	1.25E-07	3.92E-07	5.17E-07	1.94E-08	6.41E-08	8.35E-08	1.04E-08	2.97E-08	4.02E-08
5990	437147.35	3762690.29	1.49E-07	4.70E-07	6.19E-07	2.32E-08	7.67E-08	9.99E-08	1.25E-08	3.56E-08	4.81E-08
5991	437250.71	3762525.8	1.10E-07	3.48E-07	4.58E-07	1.71E-08	5.68E-08	7.39E-08	9.24E-09	2.63E-08	3.56E-08
5992	437276.49	3762514.98	1.12E-07	3.52E-07	4.64E-07	1.74E-08	5.76E-08	7.49E-08	9.36E-09	2.67E-08	3.61E-08
5993	437293.67	3762507.77	1.12E-07	3.52E-07	4.64E-07	1.74E-08	5.75E-08	7.49E-08	9.36E-09	2.67E-08	3.61E-08
5994	437319.45	3762496.95	1.11E-07	3.48E-07	4.59E-07	1.72E-08	5.69E-08	7.41E-08	9.26E-09	2.64E-08	3.57E-08
5995	437336.64	3762489.73	1.09E-07	3.44E-07	4.53E-07	1.70E-08	5.62E-08	7.31E-08	9.14E-09	2.61E-08	3.52E-08
5996	437345.23	3762486.13	1.08E-07	3.41E-07	4.49E-07	1.68E-08	5.57E-08	7.25E-08	9.06E-09	2.58E-08	3.49E-08
5997	437143.8	3762698.91	1.50E-07	4.73E-07	6.23E-07	2.33E-08	7.72E-08	1.01E-07	1.26E-08	3.58E-08	4.84E-08
5998	437143.8	3762708.61	1.55E-07	4.87E-07	6.41E-07	2.40E-08	7.95E-08	1.04E-07	1.29E-08	3.69E-08	4.98E-08
5999	437143.8	3762718.3	1.59E-07	5.00E-07	6.59E-07	2.47E-08	8.17E-08	1.06E-07	1.33E-08	3.79E-08	5.12E-08
6000	437143.8	3762728	1.63E-07	5.12E-07	6.75E-07	2.53E-08	8.37E-08	1.09E-07	1.36E-08	3.88E-08	5.25E-08
6001	437143.8	3762737.69	1.66E-07	5.24E-07	6.90E-07	2.58E-08	8.55E-08	1.11E-07	1.39E-08	3.97E-08	5.36E-08
6002	437143.8	3762747.39	1.69E-07	5.33E-07	7.03E-07	2.63E-08	8.71E-08	1.13E-07	1.42E-08	4.04E-08	5.46E-08
6003	437143.8	3762757.09	1.72E-07	5.41E-07	7.13E-07	2.67E-08	8.85E-08	1.15E-07	1.44E-08	4.10E-08	5.54E-08
6004	437143.8	3762766.78	1.74E-07	5.48E-07	7.22E-07	2.70E-08	8.95E-08	1.17E-07	1.46E-08	4.15E-08	5.61E-08
6005	437143.8	3762776.48	1.75E-07	5.52E-07	7.27E-07	2.72E-08	9.02E-08	1.17E-07	1.47E-08	4.18E-08	5.65E-08
6006	437143.8	3762786.17	1.76E-07	5.55E-07	7.31E-07	2.74E-08	9.06E-08	1.18E-07	1.47E-08	4.20E-08	5.68E-08
6007	437143.8	3762795.87	1.76E-07	5.55E-07	7.31E-07	2.74E-08	9.06E-08	1.18E-07	1.47E-08	4.20E-08	5.68E-08
6008	437143.8	3762805.56	1.76E-07	5.53E-07	7.28E-07	2.73E-08	9.03E-08	1.18E-07	1.47E-08	4.19E-08	5.66E-08
6009	437143.8	3762815.26	1.74E-07	5.49E-07	7.23E-07	2.71E-08	8.97E-08	1.17E-07	1.46E-08	4.16E-08	5.62E-08
6010	437143.8	3762824.96	1.72E-07	5.43E-07	7.15E-07	2.68E-08	8.87E-08	1.15E-07	1.44E-08	4.11E-08	5.56E-08
6011	437143.8	3762834.65	1.70E-07	5.35E-07	7.05E-07	2.64E-08	8.74E-08	1.14E-07	1.42E-08	4.05E-08	5.47E-08
6012	437127.47	3762690.01	1.33E-07	4.18E-07	5.50E-07	2.06E-08	6.82E-08	8.88E-08	1.11E-08	3.16E-08	4.27E-08
6013	437237.96	3762511.1	9.77E-08	3.08E-07	4.06E-07	1.52E-08	5.03E-08	6.55E-08	8.18E-09	2.33E-08	3.15E-08
6014	437246.84	3762507.37	9.83E-08	3.09E-07	4.08E-07	1.53E-08	5.06E-08	6.58E-08	8.23E-09	2.34E-08	3.17E-08
6015	437264.6	3762499.92	9.90E-08	3.12E-07	4.11E-07	1.54E-08	5.09E-08	6.63E-08	8.28E-09	2.36E-08	3.19E-08
6016	437291.25	3762488.74	9.87E-08	3.11E-07	4.10E-07	1.53E-08	5.08E-08	6.61E-08	8.26E-09	2.36E-08	3.18E-08
6017	437317.89	3762477.55	9.72E-08	3.06E-07	4.03E-07	1.51E-08	5.00E-08	6.51E-08	8.14E-09	2.32E-08	3.13E-08
6018	437335.65	3762470.1	9.57E-08	3.01E-07	3.97E-07	1.49E-08	4.92E-08	6.41E-08	8.01E-09	2.28E-08	3.09E-08
6019	437344.53	3762466.37	9.48E-08	2.99E-07	3.93E-07	1.47E-08	4.88E-08	6.35E-08	7.94E-09	2.26E-08	3.06E-08
6020	437123.8	3762698.91	1.33E-07	4.20E-07	5.53E-07	2.07E-08	6.86E-08	8.93E-08	1.12E-08	3.18E-08	4.30E-08
6021	437123.8	3762708.61	1.37E-07	4.31E-07	5.68E-07	2.13E-08	7.04E-08	9.17E-08	1.15E-08	3.27E-08	4.41E-08
6022	437123.8	3762718.3	1.40E-07	4.42E-07	5.82E-07	2.18E-08	7.21E-08	9.39E-08	1.17E-08	3.35E-08	4.52E-08
6023	437123.8	3762728	1.43E-07	4.51E-07	5.95E-07	2.23E-08	7.37E-08	9.60E-08	1.20E-08	3.42E-08	4.62E-08
6024	437123.8	3762737.69	1.46E-07	4.60E-07	6.06E-07	2.27E-08	7.52E-08	9.79E-08	1.22E-08	3.49E-08	4.71E-08
6025	437123.8	3762747.39	1.49E-07	4.68E-07	6.16E-07	2.31E-08	7.64E-08	9.95E-08	1.24E-08	3.55E-08	4.79E-08
6026	437123.8	3762757.09	1.51E-07	4.74E-07	6.25E-07	2.34E-08	7.75E-08	1.01E-07	1.26E-08	3.59E-08	4.85E-08
6027	437123.8	3762766.78	1.52E-07	4.79E-07	6.31E-07	2.36E-08	7.83E-08	1.02E-07	1.27E-08	3.63E-08	4.90E-08
6028	437123.8	3762776.48	1.53E-07	4.83E-07	6.36E-07	2.38E-08	7.88E-08	1.03E-07	1.28E-08	3.66E-08	4.94E-08
6029	437123.8	3762786.17	1.54E-07	4.84E-07	6.38E-07	2.39E-08	7.91E-08	1.03E-07	1.29E-08	3.67E-08	4.96E-08
6030	437123.8	3762795.87	1.54E-07	4.84E-07	6.38E-07	2.39E-08	7.91E-08	1.03E-07	1.29E-08	3.67E-08	4.96E-08
6031	437123.8	3762805.56	1.53E-07	4.83E-07	6.36E-07	2.38E-08	7.89E-08	1.03E-07	1.28E-08	3.66E-08	4.94E-08
6032	437123.8	3762815.26	1.52E-07	4.80E-07	6.32E-07	2.37E-08	7.84E-08	1.02E-07	1.27E-08	3.63E-08	4.91E-08
6033	437123.8	3762824.96	1.51E-07	4.75E-07	6.26E-07	2.34E-08	7.76E-08	1.01E-07	1.26E-08	3.60E-08	4.86E-08
6034	437123.8	3762834.65	1.49E-07	4.69E-07	6.17E-07	2.31E-08	7.65E-08	9.97E-08	1.25E-08	3.55E-08	4.80E-08
6035	437107.4	3762690.18	1.19E-07	3.74E-07	4.92E-07	1.84E-08	6.10E-08	7.94E-08	9.93E-09	2.83E-08	3.82E-08

6036	437214.19	3762501.03	8.64E-08	2.72E-07	3.58E-07	1.34E-08	4.44E-08	5.79E-08	7.23E-09	2.06E-08	2.78E-08
6037	437222.9	3762497.37	8.70E-08	2.74E-07	3.61E-07	1.35E-08	4.47E-08	5.82E-08	7.28E-09	2.08E-08	2.80E-08
6038	437249.01	3762486.41	8.81E-08	2.77E-07	3.65E-07	1.37E-08	4.53E-08	5.90E-08	7.37E-09	2.10E-08	2.84E-08
6039	437275.12	3762475.45	8.81E-08	2.77E-07	3.66E-07	1.37E-08	4.53E-08	5.90E-08	7.37E-09	2.10E-08	2.84E-08
6040	437292.53	3762468.14	8.75E-08	2.75E-07	3.63E-07	1.36E-08	4.50E-08	5.86E-08	7.32E-09	2.09E-08	2.82E-08
6041	437318.64	3762457.18	8.58E-08	2.70E-07	3.56E-07	1.33E-08	4.41E-08	5.75E-08	7.18E-09	2.05E-08	2.77E-08
6042	437336.05	3762449.88	8.44E-08	2.66E-07	3.50E-07	1.31E-08	4.34E-08	5.65E-08	7.06E-09	2.01E-08	2.72E-08
6043	437344.75	3762446.22	8.35E-08	2.63E-07	3.47E-07	1.30E-08	4.30E-08	5.60E-08	6.99E-09	1.99E-08	2.69E-08
6044	437103.8	3762698.91	1.19E-07	3.75E-07	4.94E-07	1.85E-08	6.13E-08	7.98E-08	9.97E-09	2.84E-08	3.84E-08
6045	437103.8	3762708.61	1.22E-07	3.84E-07	5.06E-07	1.90E-08	6.28E-08	8.17E-08	1.02E-08	2.91E-08	3.93E-08
6046	437103.8	3762718.3	1.25E-07	3.93E-07	5.18E-07	1.94E-08	6.42E-08	8.36E-08	1.04E-08	2.98E-08	4.02E-08
6047	437103.8	3762728	1.27E-07	4.01E-07	5.28E-07	1.98E-08	6.55E-08	8.52E-08	1.06E-08	3.04E-08	4.10E-08
6048	437103.8	3762737.69	1.29E-07	4.08E-07	5.37E-07	2.01E-08	6.66E-08	8.67E-08	1.08E-08	3.09E-08	4.17E-08
6049	437103.8	3762747.39	1.31E-07	4.14E-07	5.45E-07	2.04E-08	6.76E-08	8.80E-08	1.10E-08	3.14E-08	4.24E-08
6050	437103.8	3762757.09	1.33E-07	4.19E-07	5.52E-07	2.07E-08	6.84E-08	8.91E-08	1.11E-08	3.17E-08	4.29E-08
6051	437103.8	3762766.78	1.34E-07	4.23E-07	5.57E-07	2.09E-08	6.91E-08	8.99E-08	1.12E-08	3.20E-08	4.33E-08
6052	437103.8	3762776.48	1.35E-07	4.25E-07	5.60E-07	2.10E-08	6.95E-08	9.05E-08	1.13E-08	3.22E-08	4.35E-08
6053	437103.8	3762786.17	1.35E-07	4.27E-07	5.62E-07	2.11E-08	6.97E-08	9.08E-08	1.13E-08	3.23E-08	4.37E-08
6054	437103.8	3762795.87	1.35E-07	4.27E-07	5.62E-07	2.10E-08	6.97E-08	9.07E-08	1.13E-08	3.23E-08	4.37E-08
6055	437103.8	3762805.56	1.35E-07	4.25E-07	5.60E-07	2.10E-08	6.95E-08	9.05E-08	1.13E-08	3.22E-08	4.35E-08
6056	437103.8	3762815.26	1.34E-07	4.23E-07	5.57E-07	2.09E-08	6.90E-08	8.99E-08	1.12E-08	3.20E-08	4.33E-08
6057	437103.8	3762824.96	1.33E-07	4.19E-07	5.52E-07	2.07E-08	6.84E-08	8.91E-08	1.11E-08	3.17E-08	4.29E-08
6058	437103.8	3762834.65	1.31E-07	4.14E-07	5.45E-07	2.04E-08	6.76E-08	8.80E-08	1.10E-08	3.13E-08	4.23E-08
6059	437087.34	3762690.33	1.07E-07	3.36E-07	4.43E-07	1.66E-08	5.49E-08	7.14E-08	8.93E-09	2.55E-08	3.44E-08
6060	437199.42	3762487.17	7.73E-08	2.44E-07	3.21E-07	1.20E-08	3.98E-08	5.18E-08	6.47E-09	1.85E-08	2.49E-08
6061	437207.98	3762483.58	7.78E-08	2.45E-07	3.23E-07	1.21E-08	4.00E-08	5.21E-08	6.52E-09	1.86E-08	2.51E-08
6062	437233.66	3762472.8	7.89E-08	2.48E-07	3.27E-07	1.23E-08	4.06E-08	5.28E-08	6.60E-09	1.88E-08	2.54E-08
6063	437250.77	3762465.62	7.90E-08	2.49E-07	3.28E-07	1.23E-08	4.07E-08	5.29E-08	6.62E-09	1.89E-08	2.55E-08
6064	437267.89	3762458.43	7.89E-08	2.48E-07	3.27E-07	1.23E-08	4.06E-08	5.28E-08	6.60E-09	1.88E-08	2.54E-08
6065	437276.45	3762454.84	7.86E-08	2.48E-07	3.26E-07	1.22E-08	4.05E-08	5.27E-08	6.58E-09	1.88E-08	2.53E-08
6066	437293.57	3762447.66	7.79E-08	2.45E-07	3.23E-07	1.21E-08	4.01E-08	5.22E-08	6.52E-09	1.86E-08	2.51E-08
6067	437310.69	3762440.47	7.68E-08	2.42E-07	3.19E-07	1.19E-08	3.95E-08	5.14E-08	6.43E-09	1.83E-08	2.48E-08
6068	437336.36	3762429.69	7.48E-08	2.36E-07	3.10E-07	1.16E-08	3.85E-08	5.01E-08	6.26E-09	1.79E-08	2.41E-08
6069	437353.48	3762422.51	7.33E-08	2.31E-07	3.04E-07	1.14E-08	3.77E-08	4.91E-08	6.14E-09	1.75E-08	2.36E-08
6070	437083.8	3762698.91	1.07E-07	3.37E-07	4.44E-07	1.66E-08	5.50E-08	7.17E-08	8.96E-09	2.55E-08	3.45E-08
6071	437083.8	3762708.61	1.09E-07	3.45E-07	4.54E-07	1.70E-08	5.63E-08	7.33E-08	9.16E-09	2.61E-08	3.53E-08
6072	437083.8	3762718.3	1.12E-07	3.52E-07	4.63E-07	1.74E-08	5.75E-08	7.48E-08	9.35E-09	2.67E-08	3.60E-08
6073	437083.8	3762728	1.14E-07	3.58E-07	4.72E-07	1.77E-08	5.85E-08	7.62E-08	9.52E-09	2.71E-08	3.67E-08
6074	437083.8	3762737.69	1.16E-07	3.64E-07	4.79E-07	1.80E-08	5.94E-08	7.74E-08	9.67E-09	2.76E-08	3.72E-08
6075	437083.8	3762747.39	1.17E-07	3.69E-07	4.86E-07	1.82E-08	6.02E-08	7.84E-08	9.80E-09	2.79E-08	3.77E-08
6076	437083.8	3762757.09	1.18E-07	3.73E-07	4.91E-07	1.84E-08	6.09E-08	7.93E-08	9.91E-09	2.82E-08	3.82E-08
6077	437083.8	3762766.78	1.19E-07	3.76E-07	4.95E-07	1.85E-08	6.14E-08	7.99E-08	9.99E-09	2.85E-08	3.85E-08
6078	437083.8	3762776.48	1.20E-07	3.78E-07	4.98E-07	1.86E-08	6.17E-08	8.04E-08	1.00E-08	2.86E-08	3.87E-08
6079	437083.8	3762786.17	1.20E-07	3.79E-07	4.99E-07	1.87E-08	6.19E-08	8.06E-08	1.01E-08	2.87E-08	3.88E-08
6080	437083.8	3762795.87	1.20E-07	3.79E-07	4.99E-07	1.87E-08	6.19E-08	8.06E-08	1.01E-08	2.87E-08	3.88E-08
6081	437083.8	3762805.56	1.20E-07	3.78E-07	4.98E-07	1.86E-08	6.17E-08	8.04E-08	1.00E-08	2.86E-08	3.87E-08
6082	437083.8	3762815.26	1.19E-07	3.76E-07	4.95E-07	1.85E-08	6.14E-08	7.99E-08	9.99E-09	2.85E-08	3.85E-08
6083	437083.8	3762824.96	1.18E-07	3.73E-07	4.91E-07	1.84E-08	6.09E-08	7.93E-08	9.90E-09	2.82E-08	3.81E-08
6084	437083.8	3762834.65	1.17E-07	3.69E-07	4.86E-07	1.82E-08	6.02E-08	7.84E-08	9.80E-09	2.79E-08	3.77E-08
6085	437074.7	3762672.48	9.55E-08	3.01E-07	3.96E-07	1.48E-08	4.91E-08	6.39E-08	7.99E-09	2.28E-08	3.08E-08
6086	437078.33	3762663.67	9.48E-08	2.99E-07	3.93E-07	1.47E-08	4.88E-08	6.35E-08	7.93E-09	2.26E-08	3.06E-08
6087	437081.97	3762654.86	9.40E-08	2.96E-07	3.90E-07	1.46E-08	4.83E-08	6.29E-08	7.87E-09	2.24E-08	3.03E-08
6088	437085.6	3762646.04	9.30E-08	2.93E-07	3.86E-07	1.45E-08	4.79E-08	6.23E-08	7.79E-09	2.22E-08	3.00E-08
6089	437089.23	3762637.23	9.20E-08	2.90E-07	3.82E-07	1.43E-08	4.73E-08	6.16E-08	7.70E-09	2.20E-08	2.97E-08
6090	437092.87	3762628.42	9.09E-08	2.86E-07	3.77E-07	1.41E-08	4.68E-08	6.09E-08	7.61E-09	2.17E-08	2.93E-08
6091	437096.5	3762619.61	8.97E-08	2.83E-07	3.72E-07	1.39E-08	4.62E-08	6.01E-08	7.51E-09	2.14E-08	2.89E-08
6092	437100.13	3762610.8	8.85E-08	2.79E-07	3.67E-07	1.37E-08	4.55E-08	5.93E-08	7.41E-09	2.11E-08	2.85E-08
6093	437103.77	3762601.99	8.72E-08	2.75E-07	3.62E-07	1.35E-08	4.49E-08	5.84E-08	7.30E-09	2.08E-08	2.81E-08
6094	437107.4	3762593.18	8.58E-08	2.70E-07	3.56E-07	1.33E-08	4.41E-08	5.75E-08	7.18E-09	2.05E-08	2.77E-08
6095	437114.67	3762575.56	8.30E-08	2.61E-07	3.44E-07	1.29E-08	4.27E-08	5.56E-08	6.95E-09	1.98E-08	2.67E-08
6096	437118.3	3762566.75	8.15E-08	2.57E-07	3.38E-07	1.27E-08	4.20E-08	5.46E-08	6.83E-09	1.95E-08	2.63E-08

6097	437121.93	3762557.93	8.01E-08	2.52E-07	3.32E-07	1.24E-08	4.12E-08	5.36E-08	6.70E-09	1.91E-08	2.58E-08
6098	437125.57	3762549.12	7.86E-08	2.47E-07	3.26E-07	1.22E-08	4.04E-08	5.26E-08	6.58E-09	1.87E-08	2.53E-08
6099	437132.83	3762531.5	7.54E-08	2.38E-07	3.13E-07	1.17E-08	3.88E-08	5.05E-08	6.31E-09	1.80E-08	2.43E-08
6100	437136.47	3762522.69	7.38E-08	2.33E-07	3.06E-07	1.15E-08	3.80E-08	4.95E-08	6.18E-09	1.76E-08	2.38E-08
6101	437140.1	3762513.88	7.22E-08	2.27E-07	3.00E-07	1.12E-08	3.71E-08	4.84E-08	6.04E-09	1.72E-08	2.33E-08
6102	437143.73	3762505.07	7.05E-08	2.22E-07	2.93E-07	1.10E-08	3.63E-08	4.73E-08	5.90E-09	1.68E-08	2.27E-08
6103	437186.15	3762472.69	6.98E-08	2.20E-07	2.90E-07	1.08E-08	3.59E-08	4.67E-08	5.84E-09	1.67E-08	2.25E-08
6104	437194.94	3762469	7.02E-08	2.21E-07	2.91E-07	1.09E-08	3.61E-08	4.70E-08	5.88E-09	1.68E-08	2.26E-08
6105	437203.73	3762465.31	7.06E-08	2.22E-07	2.93E-07	1.10E-08	3.63E-08	4.73E-08	5.91E-09	1.69E-08	2.28E-08
6106	437221.3	3762457.94	7.11E-08	2.24E-07	2.95E-07	1.10E-08	3.66E-08	4.76E-08	5.95E-09	1.70E-08	2.29E-08
6107	437238.88	3762450.56	7.12E-08	2.24E-07	2.96E-07	1.11E-08	3.66E-08	4.77E-08	5.96E-09	1.70E-08	2.30E-08
6108	437247.67	3762446.87	7.12E-08	2.24E-07	2.95E-07	1.11E-08	3.66E-08	4.77E-08	5.96E-09	1.70E-08	2.29E-08
6109	437265.24	3762439.49	7.09E-08	2.23E-07	2.94E-07	1.10E-08	3.65E-08	4.75E-08	5.93E-09	1.69E-08	2.28E-08
6110	437282.82	3762432.11	7.02E-08	2.21E-07	2.91E-07	1.09E-08	3.61E-08	4.70E-08	5.88E-09	1.68E-08	2.26E-08
6111	437291.61	3762428.43	6.98E-08	2.20E-07	2.90E-07	1.08E-08	3.59E-08	4.67E-08	5.84E-09	1.67E-08	2.25E-08
6112	437309.18	3762421.05	6.87E-08	2.16E-07	2.85E-07	1.07E-08	3.53E-08	4.60E-08	5.75E-09	1.64E-08	2.21E-08
6113	437326.76	3762413.67	6.75E-08	2.13E-07	2.80E-07	1.05E-08	3.47E-08	4.52E-08	5.65E-09	1.61E-08	2.18E-08
6114	437335.55	3762409.98	6.68E-08	2.10E-07	2.77E-07	1.04E-08	3.44E-08	4.48E-08	5.59E-09	1.59E-08	2.15E-08
6115	437353.12	3762402.6	6.55E-08	2.06E-07	2.72E-07	1.02E-08	3.37E-08	4.38E-08	5.48E-09	1.56E-08	2.11E-08
6116	437063.8	3762708.61	9.86E-08	3.11E-07	4.09E-07	1.53E-08	5.07E-08	6.61E-08	8.26E-09	2.35E-08	3.18E-08
6117	437063.8	3762718.3	1.00E-07	3.16E-07	4.17E-07	1.56E-08	5.17E-08	6.73E-08	8.41E-09	2.40E-08	3.24E-08
6118	437063.8	3762728	1.02E-07	3.22E-07	4.24E-07	1.59E-08	5.26E-08	6.85E-08	8.55E-09	2.44E-08	3.29E-08
6119	437063.8	3762737.69	1.04E-07	3.27E-07	4.30E-07	1.61E-08	5.34E-08	6.95E-08	8.68E-09	2.47E-08	3.34E-08
6120	437063.8	3762747.39	1.05E-07	3.31E-07	4.36E-07	1.63E-08	5.40E-08	7.03E-08	8.79E-09	2.51E-08	3.38E-08
6121	437063.8	3762757.09	1.06E-07	3.34E-07	4.40E-07	1.65E-08	5.45E-08	7.10E-08	8.87E-09	2.53E-08	3.42E-08
6122	437063.8	3762766.78	1.07E-07	3.36E-07	4.43E-07	1.66E-08	5.49E-08	7.15E-08	8.94E-09	2.55E-08	3.44E-08
6123	437063.8	3762776.48	1.07E-07	3.38E-07	4.45E-07	1.67E-08	5.52E-08	7.19E-08	8.98E-09	2.56E-08	3.46E-08
6124	437063.8	3762786.17	1.08E-07	3.39E-07	4.46E-07	1.67E-08	5.53E-08	7.20E-08	9.00E-09	2.57E-08	3.47E-08
6125	437063.8	3762795.87	1.08E-07	3.39E-07	4.46E-07	1.67E-08	5.53E-08	7.20E-08	9.00E-09	2.57E-08	3.47E-08
6126	437063.8	3762805.56	1.07E-07	3.38E-07	4.45E-07	1.67E-08	5.52E-08	7.18E-08	8.98E-09	2.56E-08	3.46E-08
6127	437063.8	3762815.26	1.07E-07	3.36E-07	4.43E-07	1.66E-08	5.49E-08	7.15E-08	8.93E-09	2.55E-08	3.44E-08
6128	437063.8	3762824.96	1.06E-07	3.34E-07	4.39E-07	1.65E-08	5.45E-08	7.09E-08	8.86E-09	2.53E-08	3.41E-08
6129	437063.8	3762834.65	1.05E-07	3.30E-07	4.35E-07	1.63E-08	5.39E-08	7.02E-08	8.78E-09	2.50E-08	3.38E-08
6130	437063.8	3762844.35	1.04E-07	3.26E-07	4.30E-07	1.61E-08	5.33E-08	6.94E-08	8.67E-09	2.47E-08	3.34E-08
6131	437044.87	3762672.07	8.30E-08	2.61E-07	3.44E-07	1.29E-08	4.27E-08	5.56E-08	6.94E-09	1.98E-08	2.67E-08
6132	437048.56	3762663.12	8.25E-08	2.60E-07	3.42E-07	1.28E-08	4.24E-08	5.52E-08	6.90E-09	1.97E-08	2.66E-08
6133	437052.25	3762654.18	8.19E-08	2.58E-07	3.40E-07	1.27E-08	4.21E-08	5.48E-08	6.85E-09	1.95E-08	2.64E-08
6134	437055.94	3762645.23	8.12E-08	2.56E-07	3.37E-07	1.26E-08	4.18E-08	5.44E-08	6.79E-09	1.94E-08	2.62E-08
6135	437059.62	3762636.28	8.04E-08	2.53E-07	3.33E-07	1.25E-08	4.13E-08	5.38E-08	6.73E-09	1.92E-08	2.59E-08
6136	437067	3762618.39	7.86E-08	2.48E-07	3.26E-07	1.22E-08	4.04E-08	5.26E-08	6.58E-09	1.88E-08	2.53E-08
6137	437070.69	3762609.44	7.76E-08	2.44E-07	3.22E-07	1.21E-08	3.99E-08	5.20E-08	6.50E-09	1.85E-08	2.50E-08
6138	437074.38	3762600.5	7.66E-08	2.41E-07	3.18E-07	1.19E-08	3.94E-08	5.13E-08	6.41E-09	1.83E-08	2.47E-08
6139	437078.07	3762591.55	7.55E-08	2.38E-07	3.13E-07	1.17E-08	3.89E-08	5.06E-08	6.32E-09	1.80E-08	2.43E-08
6140	437081.76	3762582.61	7.44E-08	2.34E-07	3.09E-07	1.16E-08	3.83E-08	4.98E-08	6.22E-09	1.77E-08	2.40E-08
6141	437085.45	3762573.66	7.32E-08	2.30E-07	3.04E-07	1.14E-08	3.77E-08	4.90E-08	6.13E-09	1.75E-08	2.36E-08
6142	437089.14	3762564.71	7.20E-08	2.27E-07	2.99E-07	1.12E-08	3.71E-08	4.83E-08	6.03E-09	1.72E-08	2.32E-08
6143	437096.52	3762546.82	6.98E-08	2.20E-07	2.89E-07	1.08E-08	3.59E-08	4.67E-08	5.84E-09	1.66E-08	2.25E-08
6144	437100.21	3762537.87	6.86E-08	2.16E-07	2.85E-07	1.07E-08	3.53E-08	4.59E-08	5.74E-09	1.64E-08	2.21E-08
6145	437103.9	3762528.93	6.73E-08	2.12E-07	2.79E-07	1.05E-08	3.46E-08	4.51E-08	5.64E-09	1.61E-08	2.17E-08
6146	437107.59	3762519.98	6.61E-08	2.08E-07	2.74E-07	1.03E-08	3.40E-08	4.43E-08	5.53E-09	1.58E-08	2.13E-08
6147	437114.96	3762502.09	6.35E-08	2.00E-07	2.64E-07	9.87E-09	3.27E-08	4.25E-08	5.32E-09	1.52E-08	2.05E-08
6148	437118.65	3762493.14	6.22E-08	1.96E-07	2.58E-07	9.67E-09	3.20E-08	4.17E-08	5.21E-09	1.48E-08	2.01E-08
6149	437183.26	3762443.83	6.11E-08	1.92E-07	2.54E-07	9.50E-09	3.14E-08	4.09E-08	5.12E-09	1.46E-08	1.97E-08
6150	437192.18	3762440.08	6.14E-08	1.93E-07	2.55E-07	9.53E-09	3.16E-08	4.11E-08	5.14E-09	1.46E-08	1.98E-08
6151	437201.11	3762436.34	6.16E-08	1.94E-07	2.55E-07	9.56E-09	3.17E-08	4.12E-08	5.15E-09	1.47E-08	1.98E-08
6152	437210.03	3762432.59	6.17E-08	1.94E-07	2.56E-07	9.58E-09	3.17E-08	4.13E-08	5.16E-09	1.47E-08	1.99E-08
6153	437218.95	3762428.85	6.17E-08	1.94E-07	2.56E-07	9.59E-09	3.18E-08	4.13E-08	5.17E-09	1.47E-08	1.99E-08
6154	437227.88	3762425.1	6.17E-08	1.94E-07	2.56E-07	9.58E-09	3.17E-08	4.13E-08	5.16E-09	1.47E-08	1.99E-08
6155	437236.8	3762421.35	6.16E-08	1.94E-07	2.55E-07	9.57E-09	3.17E-08	4.12E-08	5.15E-09	1.47E-08	1.98E-08
6156	437245.72	3762417.61	6.14E-08	1.93E-07	2.55E-07	9.53E-09	3.16E-08	4.11E-08	5.14E-09	1.46E-08	1.98E-08
6157	437254.65	3762413.86	6.11E-08	1.92E-07	2.54E-07	9.50E-09	3.14E-08	4.09E-08	5.12E-09	1.46E-08	1.97E-08

6158	437263.57	3762410.12	6.08E-08	1.92E-07	2.52E-07	9.45E-09	3.13E-08	4.07E-08	5.09E-09	1.45E-08	1.96E-08
6159	437272.49	3762406.37	6.05E-08	1.90E-07	2.51E-07	9.40E-09	3.11E-08	4.05E-08	5.06E-09	1.44E-08	1.95E-08
6160	437281.41	3762402.63	6.01E-08	1.89E-07	2.49E-07	9.34E-09	3.09E-08	4.02E-08	5.03E-09	1.43E-08	1.94E-08
6161	437290.34	3762398.88	5.96E-08	1.88E-07	2.47E-07	9.27E-09	3.07E-08	3.99E-08	4.99E-09	1.42E-08	1.92E-08
6162	437299.26	3762395.14	5.91E-08	1.86E-07	2.45E-07	9.19E-09	3.04E-08	3.96E-08	4.95E-09	1.41E-08	1.91E-08
6163	437308.18	3762391.39	5.86E-08	1.85E-07	2.43E-07	9.11E-09	3.02E-08	3.93E-08	4.91E-09	1.40E-08	1.89E-08
6164	437317.11	3762387.64	5.81E-08	1.83E-07	2.41E-07	9.02E-09	2.99E-08	3.89E-08	4.86E-09	1.39E-08	1.87E-08
6165	437326.03	3762383.9	5.75E-08	1.81E-07	2.39E-07	8.93E-09	2.96E-08	3.85E-08	4.81E-09	1.37E-08	1.85E-08
6166	437334.95	3762380.15	5.69E-08	1.79E-07	2.36E-07	8.84E-09	2.93E-08	3.81E-08	4.76E-09	1.36E-08	1.83E-08
6167	437343.88	3762376.41	5.63E-08	1.77E-07	2.34E-07	8.75E-09	2.90E-08	3.77E-08	4.72E-09	1.34E-08	1.82E-08
6168	437352.8	3762372.66	5.58E-08	1.76E-07	2.31E-07	8.66E-09	2.87E-08	3.73E-08	4.67E-09	1.33E-08	1.80E-08
6169	437033.8	3762708.61	8.53E-08	2.68E-07	3.54E-07	1.32E-08	4.39E-08	5.71E-08	7.14E-09	2.03E-08	2.75E-08
6170	437033.8	3762718.3	8.67E-08	2.73E-07	3.60E-07	1.35E-08	4.46E-08	5.80E-08	7.25E-09	2.07E-08	2.79E-08
6171	437033.8	3762728	8.80E-08	2.77E-07	3.65E-07	1.37E-08	4.53E-08	5.89E-08	7.36E-09	2.10E-08	2.84E-08
6172	437033.8	3762737.69	8.91E-08	2.81E-07	3.70E-07	1.38E-08	4.58E-08	5.97E-08	7.46E-09	2.13E-08	2.87E-08
6173	437033.8	3762747.39	9.01E-08	2.84E-07	3.74E-07	1.40E-08	4.63E-08	6.03E-08	7.54E-09	2.15E-08	2.90E-08
6174	437033.8	3762757.09	9.08E-08	2.86E-07	3.77E-07	1.41E-08	4.67E-08	6.08E-08	7.60E-09	2.17E-08	2.93E-08
6175	437033.8	3762766.78	9.14E-08	2.88E-07	3.79E-07	1.42E-08	4.70E-08	6.12E-08	7.65E-09	2.18E-08	2.95E-08
6176	437033.8	3762776.48	9.17E-08	2.89E-07	3.81E-07	1.43E-08	4.72E-08	6.15E-08	7.68E-09	2.19E-08	2.96E-08
6177	437033.8	3762786.17	9.19E-08	2.89E-07	3.81E-07	1.43E-08	4.73E-08	6.16E-08	7.69E-09	2.19E-08	2.96E-08
6178	437033.8	3762795.87	9.19E-08	2.89E-07	3.81E-07	1.43E-08	4.73E-08	6.15E-08	7.69E-09	2.19E-08	2.96E-08
6179	437033.8	3762805.56	9.16E-08	2.89E-07	3.80E-07	1.42E-08	4.71E-08	6.14E-08	7.67E-09	2.19E-08	2.95E-08
6180	437033.8	3762815.26	9.12E-08	2.87E-07	3.78E-07	1.42E-08	4.69E-08	6.11E-08	7.63E-09	2.18E-08	2.94E-08
6181	437033.8	3762824.96	9.06E-08	2.85E-07	3.76E-07	1.41E-08	4.66E-08	6.07E-08	7.58E-09	2.16E-08	2.92E-08
6182	437033.8	3762834.65	8.98E-08	2.83E-07	3.72E-07	1.39E-08	4.62E-08	6.01E-08	7.51E-09	2.14E-08	2.89E-08
6183	437033.8	3762844.35	8.88E-08	2.80E-07	3.69E-07	1.38E-08	4.57E-08	5.95E-08	7.43E-09	2.12E-08	2.86E-08
6184	437014.62	3762672.66	7.28E-08	2.29E-07	3.02E-07	1.13E-08	3.75E-08	4.88E-08	6.10E-09	1.74E-08	2.35E-08
6185	437018.23	3762663.91	7.25E-08	2.28E-07	3.01E-07	1.13E-08	3.73E-08	4.86E-08	6.07E-09	1.73E-08	2.34E-08
6186	437021.84	3762655.16	7.21E-08	2.27E-07	2.99E-07	1.12E-08	3.71E-08	4.83E-08	6.03E-09	1.72E-08	2.32E-08
6187	437025.45	3762646.41	7.16E-08	2.25E-07	2.97E-07	1.11E-08	3.68E-08	4.79E-08	5.99E-09	1.71E-08	2.31E-08
6188	437029.06	3762637.66	7.10E-08	2.24E-07	2.95E-07	1.10E-08	3.65E-08	4.76E-08	5.94E-09	1.69E-08	2.29E-08
6189	437032.67	3762628.91	7.04E-08	2.22E-07	2.92E-07	1.09E-08	3.62E-08	4.71E-08	5.89E-09	1.68E-08	2.27E-08
6190	437036.27	3762620.16	6.97E-08	2.19E-07	2.89E-07	1.08E-08	3.59E-08	4.67E-08	5.83E-09	1.66E-08	2.25E-08
6191	437039.88	3762611.41	6.90E-08	2.17E-07	2.86E-07	1.07E-08	3.55E-08	4.62E-08	5.77E-09	1.65E-08	2.22E-08
6192	437043.49	3762602.66	6.82E-08	2.15E-07	2.83E-07	1.06E-08	3.51E-08	4.57E-08	5.71E-09	1.63E-08	2.20E-08
6193	437047.1	3762593.91	6.73E-08	2.12E-07	2.79E-07	1.05E-08	3.46E-08	4.51E-08	5.64E-09	1.61E-08	2.17E-08
6194	437050.71	3762585.16	6.64E-08	2.09E-07	2.75E-07	1.03E-08	3.41E-08	4.45E-08	5.56E-09	1.58E-08	2.14E-08
6195	437054.32	3762576.41	6.54E-08	2.06E-07	2.71E-07	1.02E-08	3.36E-08	4.38E-08	5.47E-09	1.56E-08	2.11E-08
6196	437057.92	3762567.66	6.44E-08	2.03E-07	2.67E-07	1.00E-08	3.31E-08	4.32E-08	5.39E-09	1.54E-08	2.08E-08
6197	437061.53	3762558.91	6.36E-08	2.00E-07	2.64E-07	9.88E-09	3.27E-08	4.26E-08	5.32E-09	1.52E-08	2.05E-08
6198	437065.14	3762550.16	6.27E-08	1.97E-07	2.60E-07	9.74E-09	3.22E-08	4.20E-08	5.24E-09	1.50E-08	2.02E-08
6199	437072.36	3762532.66	6.09E-08	1.92E-07	2.53E-07	9.46E-09	3.13E-08	4.08E-08	5.09E-09	1.45E-08	1.96E-08
6200	437075.97	3762523.91	6.00E-08	1.89E-07	2.49E-07	9.32E-09	3.09E-08	4.02E-08	5.02E-09	1.43E-08	1.93E-08
6201	437079.57	3762515.16	5.90E-08	1.86E-07	2.45E-07	9.18E-09	3.04E-08	3.96E-08	4.94E-09	1.41E-08	1.90E-08
6202	437083.18	3762506.41	5.81E-08	1.83E-07	2.41E-07	9.03E-09	2.99E-08	3.89E-08	4.86E-09	1.39E-08	1.87E-08
6203	437090.4	3762488.91	5.61E-08	1.77E-07	2.33E-07	8.72E-09	2.89E-08	3.76E-08	4.70E-09	1.34E-08	1.81E-08
6204	437117.17	3762441.49	5.15E-08	1.62E-07	2.14E-07	8.01E-09	2.65E-08	3.45E-08	4.31E-09	1.23E-08	1.66E-08
6205	437143.35	3762430.5	5.28E-08	1.66E-07	2.19E-07	8.21E-09	2.72E-08	3.54E-08	4.42E-09	1.26E-08	1.70E-08
6206	437178.26	3762415.85	5.38E-08	1.69E-07	2.23E-07	8.36E-09	2.77E-08	3.60E-08	4.50E-09	1.28E-08	1.73E-08
6207	437186.99	3762412.18	5.39E-08	1.70E-07	2.24E-07	8.37E-09	2.77E-08	3.61E-08	4.51E-09	1.29E-08	1.74E-08
6208	437195.71	3762408.52	5.39E-08	1.70E-07	2.24E-07	8.38E-09	2.77E-08	3.61E-08	4.51E-09	1.29E-08	1.74E-08
6209	437204.44	3762404.86	5.39E-08	1.70E-07	2.24E-07	8.38E-09	2.77E-08	3.61E-08	4.51E-09	1.29E-08	1.74E-08
6210	437213.17	3762401.19	5.39E-08	1.70E-07	2.23E-07	8.37E-09	2.77E-08	3.61E-08	4.51E-09	1.29E-08	1.74E-08
6211	437221.9	3762397.53	5.37E-08	1.69E-07	2.23E-07	8.35E-09	2.76E-08	3.60E-08	4.50E-09	1.28E-08	1.73E-08
6212	437230.62	3762393.87	5.36E-08	1.69E-07	2.22E-07	8.32E-09	2.76E-08	3.59E-08	4.48E-09	1.28E-08	1.73E-08
6213	437239.35	3762390.2	5.34E-08	1.68E-07	2.21E-07	8.29E-09	2.75E-08	3.57E-08	4.47E-09	1.27E-08	1.72E-08
6214	437248.08	3762386.54	5.31E-08	1.67E-07	2.20E-07	8.25E-09	2.73E-08	3.56E-08	4.44E-09	1.27E-08	1.71E-08
6215	437256.81	3762382.88	5.28E-08	1.66E-07	2.19E-07	8.21E-09	2.72E-08	3.54E-08	4.42E-09	1.26E-08	1.70E-08
6216	437265.53	3762379.21	5.25E-08	1.65E-07	2.18E-07	8.16E-09	2.70E-08	3.52E-08	4.39E-09	1.25E-08	1.69E-08
6217	437274.26	3762375.55	5.21E-08	1.64E-07	2.16E-07	8.10E-09	2.68E-08	3.49E-08	4.36E-09	1.24E-08	1.68E-08
6218	437282.99	3762371.89	5.17E-08	1.63E-07	2.15E-07	8.04E-09	2.66E-08	3.47E-08	4.33E-09	1.23E-08	1.67E-08

6219	437291.72	3762368.22	5.13E-08	1.62E-07	2.13E-07	7.97E-09	2.64E-08	3.44E-08	4.29E-09	1.22E-08	1.65E-08
6220	437300.44	3762364.56	5.09E-08	1.60E-07	2.11E-07	7.90E-09	2.62E-08	3.41E-08	4.26E-09	1.21E-08	1.64E-08
6221	437309.17	3762360.9	5.04E-08	1.59E-07	2.09E-07	7.83E-09	2.59E-08	3.38E-08	4.22E-09	1.20E-08	1.62E-08
6222	437317.9	3762357.23	4.99E-08	1.57E-07	2.07E-07	7.76E-09	2.57E-08	3.34E-08	4.18E-09	1.19E-08	1.61E-08
6223	437326.62	3762353.57	4.94E-08	1.56E-07	2.05E-07	7.68E-09	2.54E-08	3.31E-08	4.14E-09	1.18E-08	1.59E-08
6224	437335.35	3762349.91	4.90E-08	1.54E-07	2.03E-07	7.61E-09	2.52E-08	3.28E-08	4.10E-09	1.17E-08	1.58E-08
6225	437344.08	3762346.24	4.85E-08	1.53E-07	2.01E-07	7.53E-09	2.49E-08	3.25E-08	4.06E-09	1.16E-08	1.56E-08
6226	437352.81	3762342.58	4.80E-08	1.51E-07	1.99E-07	7.46E-09	2.47E-08	3.22E-08	4.02E-09	1.15E-08	1.55E-08
6227	437003.8	3762708.61	7.44E-08	2.34E-07	3.09E-07	1.16E-08	3.83E-08	4.99E-08	6.23E-09	1.78E-08	2.40E-08
6228	437003.8	3762718.3	7.55E-08	2.38E-07	3.13E-07	1.17E-08	3.89E-08	5.06E-08	6.32E-09	1.80E-08	2.43E-08
6229	437003.8	3762728	7.65E-08	2.41E-07	3.18E-07	1.19E-08	3.94E-08	5.13E-08	6.41E-09	1.83E-08	2.47E-08
6230	437003.8	3762737.69	7.74E-08	2.44E-07	3.21E-07	1.20E-08	3.98E-08	5.18E-08	6.48E-09	1.85E-08	2.49E-08
6231	437003.8	3762747.39	7.81E-08	2.46E-07	3.24E-07	1.21E-08	4.02E-08	5.23E-08	6.54E-09	1.86E-08	2.52E-08
6232	437003.8	3762757.09	7.87E-08	2.48E-07	3.26E-07	1.22E-08	4.05E-08	5.27E-08	6.59E-09	1.88E-08	2.54E-08
6233	437003.8	3762766.78	7.91E-08	2.49E-07	3.28E-07	1.23E-08	4.07E-08	5.30E-08	6.62E-09	1.89E-08	2.55E-08
6234	437003.8	3762776.48	7.93E-08	2.50E-07	3.29E-07	1.23E-08	4.08E-08	5.31E-08	6.64E-09	1.89E-08	2.56E-08
6235	437003.8	3762786.17	7.94E-08	2.50E-07	3.30E-07	1.23E-08	4.09E-08	5.32E-08	6.65E-09	1.90E-08	2.56E-08
6236	437003.8	3762795.87	7.94E-08	2.50E-07	3.29E-07	1.23E-08	4.08E-08	5.32E-08	6.64E-09	1.89E-08	2.56E-08
6237	437003.8	3762805.56	7.92E-08	2.49E-07	3.28E-07	1.23E-08	4.07E-08	5.30E-08	6.63E-09	1.89E-08	2.55E-08
6238	437003.8	3762815.26	7.88E-08	2.48E-07	3.27E-07	1.22E-08	4.05E-08	5.28E-08	6.60E-09	1.88E-08	2.54E-08
6239	437003.8	3762824.96	7.83E-08	2.47E-07	3.25E-07	1.22E-08	4.03E-08	5.25E-08	6.56E-09	1.87E-08	2.52E-08
6240	437003.8	3762834.65	7.77E-08	2.45E-07	3.22E-07	1.21E-08	4.00E-08	5.20E-08	6.50E-09	1.85E-08	2.50E-08
6241	437003.8	3762844.35	7.69E-08	2.42E-07	3.19E-07	1.20E-08	3.96E-08	5.15E-08	6.44E-09	1.84E-08	2.48E-08
6242	436984.77	3762672.31	6.44E-08	2.03E-07	2.67E-07	1.00E-08	3.32E-08	4.32E-08	5.39E-09	1.54E-08	2.08E-08
6243	436988.43	3762663.44	6.42E-08	2.02E-07	2.66E-07	9.97E-09	3.30E-08	4.30E-08	5.37E-09	1.53E-08	2.07E-08
6244	436992.08	3762654.57	6.39E-08	2.01E-07	2.65E-07	9.92E-09	3.29E-08	4.28E-08	5.35E-09	1.52E-08	2.06E-08
6245	436995.74	3762645.7	6.35E-08	2.00E-07	2.63E-07	9.86E-09	3.27E-08	4.25E-08	5.31E-09	1.51E-08	2.05E-08
6246	436999.4	3762636.84	6.30E-08	1.98E-07	2.61E-07	9.79E-09	3.24E-08	4.22E-08	5.28E-09	1.50E-08	2.03E-08
6247	437003.05	3762627.97	6.25E-08	1.97E-07	2.59E-07	9.71E-09	3.22E-08	4.19E-08	5.23E-09	1.49E-08	2.01E-08
6248	437006.71	3762619.1	6.20E-08	1.95E-07	2.57E-07	9.63E-09	3.19E-08	4.15E-08	5.19E-09	1.48E-08	2.00E-08
6249	437010.37	3762610.23	6.14E-08	1.93E-07	2.55E-07	9.53E-09	3.16E-08	4.11E-08	5.14E-09	1.46E-08	1.98E-08
6250	437014.03	3762601.36	6.07E-08	1.91E-07	2.52E-07	9.44E-09	3.13E-08	4.07E-08	5.08E-09	1.45E-08	1.96E-08
6251	437017.68	3762592.5	6.01E-08	1.89E-07	2.49E-07	9.33E-09	3.09E-08	4.02E-08	5.03E-09	1.43E-08	1.94E-08
6252	437021.34	3762583.63	5.93E-08	1.87E-07	2.46E-07	9.21E-09	3.05E-08	3.97E-08	4.96E-09	1.42E-08	1.91E-08
6253	437025	3762574.76	5.85E-08	1.84E-07	2.43E-07	9.09E-09	3.01E-08	3.92E-08	4.90E-09	1.40E-08	1.89E-08
6254	437028.65	3762565.89	5.77E-08	1.82E-07	2.39E-07	8.96E-09	2.97E-08	3.86E-08	4.83E-09	1.38E-08	1.86E-08
6255	437032.31	3762557.02	5.69E-08	1.79E-07	2.36E-07	8.84E-09	2.93E-08	3.81E-08	4.76E-09	1.36E-08	1.83E-08
6256	437035.97	3762548.16	5.61E-08	1.77E-07	2.33E-07	8.72E-09	2.89E-08	3.76E-08	4.70E-09	1.34E-08	1.81E-08
6257	437039.62	3762539.29	5.54E-08	1.74E-07	2.30E-07	8.61E-09	2.85E-08	3.71E-08	4.64E-09	1.32E-08	1.79E-08
6258	437043.28	3762530.42	5.47E-08	1.72E-07	2.27E-07	8.49E-09	2.81E-08	3.66E-08	4.58E-09	1.30E-08	1.76E-08
6259	437046.94	3762521.55	5.39E-08	1.70E-07	2.24E-07	8.38E-09	2.77E-08	3.61E-08	4.51E-09	1.29E-08	1.74E-08
6260	437050.59	3762512.69	5.32E-08	1.67E-07	2.21E-07	8.26E-09	2.74E-08	3.56E-08	4.45E-09	1.27E-08	1.71E-08
6261	437054.25	3762503.82	5.24E-08	1.65E-07	2.17E-07	8.14E-09	2.70E-08	3.51E-08	4.39E-09	1.25E-08	1.69E-08
6262	437057.91	3762494.95	5.16E-08	1.63E-07	2.14E-07	8.02E-09	2.66E-08	3.46E-08	4.32E-09	1.23E-08	1.66E-08
6263	437076.19	3762450.61	4.75E-08	1.50E-07	1.97E-07	7.38E-09	2.44E-08	3.18E-08	3.97E-09	1.13E-08	1.53E-08
6264	437079.85	3762441.74	4.67E-08	1.47E-07	1.94E-07	7.25E-09	2.40E-08	3.13E-08	3.91E-09	1.11E-08	1.50E-08
6265	437083.5	3762432.88	4.59E-08	1.44E-07	1.90E-07	7.13E-09	2.36E-08	3.07E-08	3.84E-09	1.09E-08	1.48E-08
6266	437096.01	3762420.3	4.55E-08	1.43E-07	1.89E-07	7.07E-09	2.34E-08	3.05E-08	3.81E-09	1.09E-08	1.47E-08
6267	437131.38	3762405.44	4.68E-08	1.47E-07	1.94E-07	7.28E-09	2.41E-08	3.14E-08	3.92E-09	1.12E-08	1.51E-08
6268	437140.23	3762401.73	4.71E-08	1.48E-07	1.95E-07	7.31E-09	2.42E-08	3.15E-08	3.94E-09	1.12E-08	1.52E-08
6269	437149.07	3762398.02	4.72E-08	1.49E-07	1.96E-07	7.34E-09	2.43E-08	3.16E-08	3.95E-09	1.13E-08	1.52E-08
6270	437184.45	3762383.17	4.75E-08	1.50E-07	1.97E-07	7.38E-09	2.44E-08	3.18E-08	3.98E-09	1.13E-08	1.53E-08
6271	437193.3	3762379.46	4.75E-08	1.50E-07	1.97E-07	7.38E-09	2.44E-08	3.18E-08	3.97E-09	1.13E-08	1.53E-08
6272	437202.14	3762375.74	4.74E-08	1.49E-07	1.97E-07	7.36E-09	2.44E-08	3.17E-08	3.97E-09	1.13E-08	1.53E-08
6273	437210.99	3762372.03	4.73E-08	1.49E-07	1.96E-07	7.34E-09	2.43E-08	3.17E-08	3.96E-09	1.13E-08	1.52E-08
6274	437219.83	3762368.32	4.71E-08	1.48E-07	1.95E-07	7.32E-09	2.42E-08	3.16E-08	3.94E-09	1.12E-08	1.52E-08
6275	437228.68	3762364.61	4.69E-08	1.48E-07	1.95E-07	7.29E-09	2.41E-08	3.14E-08	3.93E-09	1.12E-08	1.51E-08
6276	437237.52	3762360.89	4.66E-08	1.47E-07	1.93E-07	7.24E-09	2.40E-08	3.12E-08	3.90E-09	1.11E-08	1.50E-08
6277	437246.36	3762357.18	4.64E-08	1.46E-07	1.92E-07	7.21E-09	2.39E-08	3.11E-08	3.88E-09	1.11E-08	1.49E-08
6278	437255.21	3762353.47	4.61E-08	1.45E-07	1.91E-07	7.16E-09	2.37E-08	3.09E-08	3.86E-09	1.10E-08	1.49E-08
6279	437264.05	3762349.76	4.58E-08	1.44E-07	1.90E-07	7.11E-09	2.35E-08	3.06E-08	3.83E-09	1.09E-08	1.47E-08

6280	437272.9	3762346.04	4.54E-08	1.43E-07	1.88E-07	7.05E-09	2.34E-08	3.04E-08	3.80E-09	1.08E-08	1.46E-08
6281	437281.74	3762342.33	4.50E-08	1.42E-07	1.87E-07	7.00E-09	2.32E-08	3.02E-08	3.77E-09	1.07E-08	1.45E-08
6282	437290.59	3762338.62	4.46E-08	1.41E-07	1.85E-07	6.93E-09	2.30E-08	2.99E-08	3.74E-09	1.07E-08	1.44E-08
6283	437299.43	3762334.91	4.42E-08	1.39E-07	1.84E-07	6.87E-09	2.28E-08	2.96E-08	3.70E-09	1.06E-08	1.43E-08
6284	437308.28	3762331.19	4.38E-08	1.38E-07	1.82E-07	6.81E-09	2.25E-08	2.93E-08	3.67E-09	1.05E-08	1.41E-08
6285	437317.12	3762327.48	4.34E-08	1.37E-07	1.80E-07	6.74E-09	2.23E-08	2.91E-08	3.63E-09	1.04E-08	1.40E-08
6286	437325.97	3762323.77	4.30E-08	1.35E-07	1.78E-07	6.68E-09	2.21E-08	2.88E-08	3.60E-09	1.03E-08	1.39E-08
6287	437334.81	3762320.06	4.26E-08	1.34E-07	1.77E-07	6.61E-09	2.19E-08	2.85E-08	3.56E-09	1.02E-08	1.37E-08
6288	437343.66	3762316.34	4.21E-08	1.33E-07	1.75E-07	6.55E-09	2.17E-08	2.82E-08	3.53E-09	1.01E-08	1.36E-08
6289	437352.5	3762312.63	4.18E-08	1.31E-07	1.73E-07	6.49E-09	2.15E-08	2.80E-08	3.49E-09	9.96E-09	1.35E-08
6290	436973.8	3762708.61	6.56E-08	2.07E-07	2.72E-07	1.02E-08	3.37E-08	4.39E-08	5.49E-09	1.57E-08	2.11E-08
6291	436973.8	3762718.3	6.64E-08	2.09E-07	2.76E-07	1.03E-08	3.42E-08	4.45E-08	5.56E-09	1.59E-08	2.14E-08
6292	436973.8	3762728	6.72E-08	2.12E-07	2.79E-07	1.04E-08	3.46E-08	4.50E-08	5.62E-09	1.60E-08	2.17E-08
6293	436973.8	3762737.69	6.78E-08	2.14E-07	2.82E-07	1.05E-08	3.49E-08	4.54E-08	5.68E-09	1.62E-08	2.19E-08
6294	436973.8	3762747.39	6.84E-08	2.15E-07	2.84E-07	1.06E-08	3.52E-08	4.58E-08	5.72E-09	1.63E-08	2.20E-08
6295	436973.8	3762757.09	6.88E-08	2.17E-07	2.86E-07	1.07E-08	3.54E-08	4.61E-08	5.76E-09	1.64E-08	2.22E-08
6296	436973.8	3762766.78	6.91E-08	2.18E-07	2.87E-07	1.07E-08	3.56E-08	4.63E-08	5.79E-09	1.65E-08	2.23E-08
6297	436973.8	3762776.48	6.93E-08	2.18E-07	2.88E-07	1.08E-08	3.57E-08	4.64E-08	5.80E-09	1.65E-08	2.23E-08
6298	436973.8	3762786.17	6.94E-08	2.18E-07	2.88E-07	1.08E-08	3.57E-08	4.65E-08	5.81E-09	1.66E-08	2.24E-08
6299	436973.8	3762795.87	6.93E-08	2.18E-07	2.88E-07	1.08E-08	3.57E-08	4.64E-08	5.80E-09	1.65E-08	2.23E-08
6300	436973.8	3762805.56	6.91E-08	2.18E-07	2.87E-07	1.07E-08	3.56E-08	4.63E-08	5.79E-09	1.65E-08	2.23E-08
6301	436973.8	3762815.26	6.88E-08	2.17E-07	2.86E-07	1.07E-08	3.54E-08	4.61E-08	5.76E-09	1.64E-08	2.22E-08
6302	436973.8	3762824.96	6.84E-08	2.16E-07	2.84E-07	1.06E-08	3.52E-08	4.58E-08	5.73E-09	1.63E-08	2.21E-08
6303	436973.8	3762834.65	6.79E-08	2.14E-07	2.82E-07	1.06E-08	3.49E-08	4.55E-08	5.69E-09	1.62E-08	2.19E-08
6304	436973.8	3762844.35	6.73E-08	2.12E-07	2.79E-07	1.05E-08	3.46E-08	4.51E-08	5.64E-09	1.61E-08	2.17E-08
6305	436954.57	3762672.79	5.75E-08	1.81E-07	2.38E-07	8.93E-09	2.96E-08	3.85E-08	4.81E-09	1.37E-08	1.85E-08
6306	436958.16	3762664.08	5.73E-08	1.80E-07	2.38E-07	8.90E-09	2.95E-08	3.84E-08	4.80E-09	1.37E-08	1.85E-08
6307	436961.75	3762655.37	5.71E-08	1.80E-07	2.37E-07	8.87E-09	2.94E-08	3.82E-08	4.78E-09	1.36E-08	1.84E-08
6308	436965.34	3762646.67	5.68E-08	1.79E-07	2.36E-07	8.83E-09	2.92E-08	3.80E-08	4.75E-09	1.36E-08	1.83E-08
6309	436968.93	3762637.96	5.65E-08	1.78E-07	2.34E-07	8.77E-09	2.90E-08	3.78E-08	4.73E-09	1.35E-08	1.82E-08
6310	436972.53	3762629.25	5.61E-08	1.77E-07	2.33E-07	8.72E-09	2.89E-08	3.76E-08	4.69E-09	1.34E-08	1.81E-08
6311	436976.12	3762620.54	5.57E-08	1.75E-07	2.31E-07	8.65E-09	2.86E-08	3.73E-08	4.66E-09	1.33E-08	1.79E-08
6312	436979.71	3762611.84	5.52E-08	1.74E-07	2.29E-07	8.58E-09	2.84E-08	3.70E-08	4.62E-09	1.32E-08	1.78E-08
6313	436983.3	3762603.13	5.47E-08	1.72E-07	2.27E-07	8.50E-09	2.82E-08	3.67E-08	4.58E-09	1.31E-08	1.76E-08
6314	436986.89	3762594.42	5.42E-08	1.71E-07	2.25E-07	8.42E-09	2.79E-08	3.63E-08	4.54E-09	1.29E-08	1.75E-08
6315	436990.48	3762585.71	5.36E-08	1.69E-07	2.23E-07	8.33E-09	2.76E-08	3.59E-08	4.49E-09	1.28E-08	1.73E-08
6316	436994.07	3762577.01	5.30E-08	1.67E-07	2.20E-07	8.24E-09	2.73E-08	3.55E-08	4.44E-09	1.27E-08	1.71E-08
6317	436997.66	3762568.3	5.24E-08	1.65E-07	2.17E-07	8.14E-09	2.70E-08	3.51E-08	4.39E-09	1.25E-08	1.69E-08
6318	437001.25	3762559.59	5.18E-08	1.63E-07	2.15E-07	8.04E-09	2.66E-08	3.47E-08	4.33E-09	1.24E-08	1.67E-08
6319	437004.84	3762550.89	5.11E-08	1.61E-07	2.12E-07	7.94E-09	2.63E-08	3.42E-08	4.28E-09	1.22E-08	1.65E-08
6320	437008.43	3762542.18	5.04E-08	1.59E-07	2.09E-07	7.84E-09	2.59E-08	3.38E-08	4.22E-09	1.20E-08	1.63E-08
6321	437012.02	3762533.47	4.98E-08	1.57E-07	2.07E-07	7.74E-09	2.56E-08	3.34E-08	4.17E-09	1.19E-08	1.61E-08
6322	437015.61	3762524.76	4.92E-08	1.55E-07	2.04E-07	7.64E-09	2.53E-08	3.30E-08	4.12E-09	1.17E-08	1.59E-08
6323	437019.2	3762516.06	4.86E-08	1.53E-07	2.02E-07	7.55E-09	2.50E-08	3.25E-08	4.07E-09	1.16E-08	1.57E-08
6324	437022.79	3762507.35	4.79E-08	1.51E-07	1.99E-07	7.45E-09	2.47E-08	3.21E-08	4.01E-09	1.14E-08	1.55E-08
6325	437029.98	3762489.93	4.67E-08	1.47E-07	1.94E-07	7.25E-09	2.40E-08	3.13E-08	3.91E-09	1.11E-08	1.50E-08
6326	437047.93	3762446.4	4.33E-08	1.37E-07	1.80E-07	6.74E-09	2.23E-08	2.90E-08	3.63E-09	1.03E-08	1.40E-08
6327	437051.52	3762437.69	4.27E-08	1.35E-07	1.77E-07	6.64E-09	2.20E-08	2.86E-08	3.58E-09	1.02E-08	1.38E-08
6328	437055.11	3762428.98	4.21E-08	1.33E-07	1.75E-07	6.54E-09	2.17E-08	2.82E-08	3.52E-09	1.00E-08	1.36E-08
6329	437058.7	3762420.28	4.14E-08	1.30E-07	1.72E-07	6.44E-09	2.13E-08	2.78E-08	3.47E-09	9.89E-09	1.34E-08
6330	437074.57	3762399.22	4.04E-08	1.27E-07	1.68E-07	6.28E-09	2.08E-08	2.71E-08	3.38E-09	9.64E-09	1.30E-08
6331	437100.62	3762388.28	4.13E-08	1.30E-07	1.71E-07	6.42E-09	2.13E-08	2.77E-08	3.46E-09	9.86E-09	1.33E-08
6332	437109.3	3762384.63	4.15E-08	1.31E-07	1.72E-07	6.45E-09	2.14E-08	2.78E-08	3.48E-09	9.91E-09	1.34E-08
6333	437117.99	3762380.99	4.17E-08	1.31E-07	1.73E-07	6.49E-09	2.15E-08	2.80E-08	3.49E-09	9.96E-09	1.35E-08
6334	437126.67	3762377.34	4.19E-08	1.32E-07	1.74E-07	6.51E-09	2.16E-08	2.81E-08	3.51E-09	1.00E-08	1.35E-08
6335	437135.36	3762373.7	4.20E-08	1.32E-07	1.74E-07	6.53E-09	2.16E-08	2.82E-08	3.52E-09	1.00E-08	1.36E-08
6336	437144.04	3762370.05	4.21E-08	1.33E-07	1.75E-07	6.55E-09	2.17E-08	2.82E-08	3.53E-09	1.01E-08	1.36E-08
6337	437178.78	3762355.47	4.21E-08	1.32E-07	1.75E-07	6.54E-09	2.16E-08	2.82E-08	3.52E-09	1.00E-08	1.36E-08
6338	437187.47	3762351.83	4.20E-08	1.32E-07	1.74E-07	6.52E-09	2.16E-08	2.81E-08	3.51E-09	1.00E-08	1.35E-08
6339	437196.15	3762348.18	4.19E-08	1.32E-07	1.74E-07	6.51E-09	2.15E-08	2.80E-08	3.51E-09	9.99E-09	1.35E-08
6340	437204.83	3762344.54	4.17E-08	1.31E-07	1.73E-07	6.49E-09	2.15E-08	2.80E-08	3.49E-09	9.96E-09	1.35E-08

6341	437213.52	3762340.89	4.16E-08	1.31E-07	1.72E-07	6.46E-09	2.14E-08	2.78E-08	3.48E-09	9.92E-09	1.34E-08
6342	437222.2	3762337.24	4.14E-08	1.30E-07	1.72E-07	6.43E-09	2.13E-08	2.77E-08	3.46E-09	9.88E-09	1.33E-08
6343	437230.89	3762333.6	4.12E-08	1.30E-07	1.71E-07	6.40E-09	2.12E-08	2.76E-08	3.45E-09	9.82E-09	1.33E-08
6344	437239.57	3762329.95	4.09E-08	1.29E-07	1.70E-07	6.36E-09	2.11E-08	2.74E-08	3.43E-09	9.77E-09	1.32E-08
6345	437248.26	3762326.31	4.07E-08	1.28E-07	1.69E-07	6.32E-09	2.09E-08	2.72E-08	3.40E-09	9.70E-09	1.31E-08
6346	437256.94	3762322.66	4.04E-08	1.27E-07	1.67E-07	6.27E-09	2.08E-08	2.70E-08	3.38E-09	9.63E-09	1.30E-08
6347	437265.63	3762319.02	4.01E-08	1.26E-07	1.66E-07	6.22E-09	2.06E-08	2.68E-08	3.35E-09	9.56E-09	1.29E-08
6348	437274.31	3762315.37	3.97E-08	1.25E-07	1.65E-07	6.17E-09	2.04E-08	2.66E-08	3.33E-09	9.48E-09	1.28E-08
6349	437283	3762311.73	3.94E-08	1.24E-07	1.63E-07	6.12E-09	2.03E-08	2.64E-08	3.30E-09	9.40E-09	1.27E-08
6350	437291.68	3762308.08	3.91E-08	1.23E-07	1.62E-07	6.07E-09	2.01E-08	2.62E-08	3.27E-09	9.32E-09	1.26E-08
6351	437300.36	3762304.44	3.87E-08	1.22E-07	1.61E-07	6.01E-09	1.99E-08	2.59E-08	3.24E-09	9.24E-09	1.25E-08
6352	437309.05	3762300.79	3.84E-08	1.21E-07	1.59E-07	5.96E-09	1.97E-08	2.57E-08	3.21E-09	9.15E-09	1.24E-08
6353	437317.73	3762297.15	3.80E-08	1.20E-07	1.58E-07	5.90E-09	1.96E-08	2.55E-08	3.18E-09	9.07E-09	1.22E-08
6354	437326.42	3762293.5	3.77E-08	1.19E-07	1.56E-07	5.85E-09	1.94E-08	2.52E-08	3.15E-09	8.98E-09	1.21E-08
6355	437335.1	3762289.85	3.73E-08	1.17E-07	1.55E-07	5.80E-09	1.92E-08	2.50E-08	3.12E-09	8.90E-09	1.20E-08
6356	437343.79	3762286.21	3.70E-08	1.16E-07	1.53E-07	5.75E-09	1.90E-08	2.48E-08	3.09E-09	8.82E-09	1.19E-08
6357	437352.47	3762282.56	3.67E-08	1.15E-07	1.52E-07	5.70E-09	1.89E-08	2.46E-08	3.07E-09	8.75E-09	1.18E-08
6358	436943.8	3762708.61	5.82E-08	1.83E-07	2.42E-07	9.05E-09	3.00E-08	3.90E-08	4.87E-09	1.39E-08	1.88E-08
6359	436943.8	3762718.3	5.89E-08	1.85E-07	2.44E-07	9.15E-09	3.03E-08	3.95E-08	4.93E-09	1.41E-08	1.90E-08
6360	436943.8	3762728	5.95E-08	1.87E-07	2.47E-07	9.24E-09	3.06E-08	3.98E-08	4.98E-09	1.42E-08	1.92E-08
6361	436943.8	3762737.69	6.00E-08	1.89E-07	2.49E-07	9.32E-09	3.08E-08	4.02E-08	5.02E-09	1.43E-08	1.93E-08
6362	436943.8	3762747.39	6.04E-08	1.90E-07	2.50E-07	9.38E-09	3.11E-08	4.04E-08	5.05E-09	1.44E-08	1.95E-08
6363	436943.8	3762757.09	6.07E-08	1.91E-07	2.52E-07	9.43E-09	3.12E-08	4.07E-08	5.08E-09	1.45E-08	1.96E-08
6364	436943.8	3762766.78	6.09E-08	1.92E-07	2.53E-07	9.47E-09	3.13E-08	4.08E-08	5.10E-09	1.45E-08	1.96E-08
6365	436943.8	3762776.48	6.11E-08	1.92E-07	2.53E-07	9.49E-09	3.14E-08	4.09E-08	5.11E-09	1.46E-08	1.97E-08
6366	436943.8	3762786.17	6.11E-08	1.92E-07	2.53E-07	9.49E-09	3.14E-08	4.09E-08	5.11E-09	1.46E-08	1.97E-08
6367	436943.8	3762795.87	6.10E-08	1.92E-07	2.53E-07	9.48E-09	3.14E-08	4.09E-08	5.11E-09	1.46E-08	1.97E-08
6368	436943.8	3762805.56	6.09E-08	1.92E-07	2.53E-07	9.46E-09	3.13E-08	4.08E-08	5.10E-09	1.45E-08	1.96E-08
6369	436943.8	3762815.26	6.06E-08	1.91E-07	2.52E-07	9.42E-09	3.12E-08	4.06E-08	5.08E-09	1.45E-08	1.95E-08
6370	436943.8	3762824.96	6.03E-08	1.90E-07	2.50E-07	9.37E-09	3.10E-08	4.04E-08	5.05E-09	1.44E-08	1.94E-08
6371	436943.8	3762834.65	5.99E-08	1.89E-07	2.49E-07	9.31E-09	3.08E-08	4.01E-08	5.02E-09	1.43E-08	1.93E-08
6372	436943.8	3762844.35	5.94E-08	1.87E-07	2.47E-07	9.24E-09	3.06E-08	3.98E-08	4.98E-09	1.42E-08	1.92E-08
6373	436924.7	3762672.48	5.15E-08	1.62E-07	2.14E-07	8.01E-09	2.65E-08	3.45E-08	4.31E-09	1.23E-08	1.66E-08
6374	436928.33	3762663.67	5.14E-08	1.62E-07	2.13E-07	7.99E-09	2.65E-08	3.44E-08	4.30E-09	1.23E-08	1.66E-08
6375	436931.97	3762654.86	5.13E-08	1.61E-07	2.13E-07	7.97E-09	2.64E-08	3.43E-08	4.29E-09	1.22E-08	1.65E-08
6376	436935.6	3762646.04	5.11E-08	1.61E-07	2.12E-07	7.93E-09	2.63E-08	3.42E-08	4.27E-09	1.22E-08	1.65E-08
6377	436939.23	3762637.23	5.08E-08	1.60E-07	2.11E-07	7.89E-09	2.61E-08	3.40E-08	4.25E-09	1.21E-08	1.64E-08
6378	436942.87	3762628.42	5.05E-08	1.59E-07	2.10E-07	7.85E-09	2.60E-08	3.38E-08	4.23E-09	1.21E-08	1.63E-08
6379	436946.5	3762619.61	5.02E-08	1.58E-07	2.08E-07	7.80E-09	2.58E-08	3.36E-08	4.20E-09	1.20E-08	1.62E-08
6380	436950.13	3762610.8	4.98E-08	1.57E-07	2.07E-07	7.74E-09	2.56E-08	3.34E-08	4.17E-09	1.19E-08	1.61E-08
6381	436953.77	3762601.99	4.94E-08	1.56E-07	2.05E-07	7.68E-09	2.54E-08	3.31E-08	4.14E-09	1.18E-08	1.59E-08
6382	436957.4	3762593.18	4.90E-08	1.54E-07	2.03E-07	7.61E-09	2.52E-08	3.28E-08	4.10E-09	1.17E-08	1.58E-08
6383	436964.67	3762575.56	4.80E-08	1.51E-07	1.99E-07	7.46E-09	2.47E-08	3.22E-08	4.02E-09	1.15E-08	1.55E-08
6384	436968.3	3762566.75	4.75E-08	1.50E-07	1.97E-07	7.38E-09	2.44E-08	3.18E-08	3.98E-09	1.13E-08	1.53E-08
6385	436971.93	3762557.93	4.70E-08	1.48E-07	1.95E-07	7.30E-09	2.42E-08	3.15E-08	3.93E-09	1.12E-08	1.51E-08
6386	436975.57	3762549.12	4.65E-08	1.46E-07	1.93E-07	7.22E-09	2.39E-08	3.11E-08	3.89E-09	1.11E-08	1.50E-08
6387	436982.83	3762531.5	4.54E-08	1.43E-07	1.88E-07	7.05E-09	2.33E-08	3.04E-08	3.80E-09	1.08E-08	1.46E-08
6388	436986.47	3762522.69	4.49E-08	1.41E-07	1.86E-07	6.97E-09	2.31E-08	3.00E-08	3.75E-09	1.07E-08	1.45E-08
6389	436990.1	3762513.88	4.43E-08	1.40E-07	1.84E-07	6.89E-09	2.28E-08	2.97E-08	3.71E-09	1.06E-08	1.43E-08
6390	436993.73	3762505.07	4.38E-08	1.38E-07	1.82E-07	6.80E-09	2.25E-08	2.93E-08	3.66E-09	1.04E-08	1.41E-08
6391	436997.37	3762496.26	4.32E-08	1.36E-07	1.79E-07	6.71E-09	2.22E-08	2.89E-08	3.61E-09	1.03E-08	1.39E-08
6392	437015.53	3762452.2	4.04E-08	1.27E-07	1.68E-07	6.28E-09	2.08E-08	2.71E-08	3.38E-09	9.64E-09	1.30E-08
6393	437019.17	3762443.39	3.99E-08	1.26E-07	1.66E-07	6.20E-09	2.05E-08	2.67E-08	3.34E-09	9.52E-09	1.29E-08
6394	437022.8	3762434.58	3.94E-08	1.24E-07	1.63E-07	6.12E-09	2.03E-08	2.64E-08	3.30E-09	9.39E-09	1.27E-08
6395	437030.07	3762416.96	3.83E-08	1.21E-07	1.59E-07	5.95E-09	1.97E-08	2.56E-08	3.20E-09	9.13E-09	1.23E-08
6396	437033.7	3762408.15	3.77E-08	1.19E-07	1.56E-07	5.86E-09	1.94E-08	2.53E-08	3.16E-09	9.00E-09	1.22E-08
6397	437037.34	3762399.34	3.71E-08	1.17E-07	1.54E-07	5.77E-09	1.91E-08	2.49E-08	3.11E-09	8.86E-09	1.20E-08
6398	437040.97	3762390.53	3.65E-08	1.15E-07	1.51E-07	5.67E-09	1.88E-08	2.45E-08	3.06E-09	8.71E-09	1.18E-08
6399	437053.39	3762378.03	3.62E-08	1.14E-07	1.50E-07	5.62E-09	1.86E-08	2.42E-08	3.03E-09	8.63E-09	1.17E-08
6400	437088.54	3762363.27	3.71E-08	1.17E-07	1.54E-07	5.76E-09	1.91E-08	2.48E-08	3.10E-09	8.85E-09	1.19E-08
6401	437097.33	3762359.58	3.72E-08	1.17E-07	1.54E-07	5.79E-09	1.92E-08	2.49E-08	3.12E-09	8.89E-09	1.20E-08

6402	437106.12	3762355.89	3.74E-08	1.18E-07	1.55E-07	5.80E-09	1.92E-08	2.50E-08	3.13E-09	8.91E-09	1.20E-08
6403	437114.91	3762352.2	3.74E-08	1.18E-07	1.55E-07	5.82E-09	1.93E-08	2.51E-08	3.13E-09	8.93E-09	1.21E-08
6404	437123.69	3762348.52	3.75E-08	1.18E-07	1.56E-07	5.82E-09	1.93E-08	2.51E-08	3.14E-09	8.94E-09	1.21E-08
6405	437132.48	3762344.83	3.75E-08	1.18E-07	1.56E-07	5.83E-09	1.93E-08	2.51E-08	3.14E-09	8.95E-09	1.21E-08
6406	437141.27	3762341.14	3.75E-08	1.18E-07	1.56E-07	5.83E-09	1.93E-08	2.51E-08	3.14E-09	8.96E-09	1.21E-08
6407	437185.21	3762322.69	3.74E-08	1.18E-07	1.55E-07	5.81E-09	1.92E-08	2.50E-08	3.13E-09	8.92E-09	1.20E-08
6408	437194	3762319.01	3.73E-08	1.17E-07	1.55E-07	5.79E-09	1.92E-08	2.50E-08	3.12E-09	8.89E-09	1.20E-08
6409	437202.78	3762315.32	3.71E-08	1.17E-07	1.54E-07	5.76E-09	1.91E-08	2.49E-08	3.11E-09	8.85E-09	1.20E-08
6410	437211.57	3762311.63	3.69E-08	1.16E-07	1.53E-07	5.74E-09	1.90E-08	2.47E-08	3.09E-09	8.81E-09	1.19E-08
6411	437220.36	3762307.94	3.67E-08	1.16E-07	1.52E-07	5.71E-09	1.89E-08	2.46E-08	3.07E-09	8.76E-09	1.18E-08
6412	437229.15	3762304.25	3.65E-08	1.15E-07	1.51E-07	5.67E-09	1.88E-08	2.44E-08	3.05E-09	8.71E-09	1.18E-08
6413	437237.94	3762300.56	3.62E-08	1.14E-07	1.50E-07	5.63E-09	1.86E-08	2.43E-08	3.03E-09	8.65E-09	1.17E-08
6414	437246.72	3762296.87	3.6E-08	1.13E-07	1.49E-07	5.59E-09	1.85E-08	2.41E-08	3.01E-09	8.59E-09	1.16E-08
6415	437255.51	3762293.18	3.57E-08	1.12E-07	1.48E-07	5.55E-09	1.84E-08	2.39E-08	2.99E-09	8.52E-09	1.15E-08
6416	437264.3	3762289.5	3.54E-08	1.12E-07	1.47E-07	5.50E-09	1.82E-08	2.37E-08	2.96E-09	8.45E-09	1.14E-08
6417	437273.09	3762285.81	3.51E-08	1.11E-07	1.46E-07	5.46E-09	1.81E-08	2.35E-08	2.94E-09	8.38E-09	1.13E-08
6418	437281.88	3762282.12	3.48E-08	1.10E-07	1.44E-07	5.41E-09	1.79E-08	2.33E-08	2.91E-09	8.31E-09	1.12E-08
6419	437290.66	3762278.43	3.45E-08	1.09E-07	1.43E-07	5.36E-09	1.78E-08	2.31E-08	2.89E-09	8.24E-09	1.11E-08
6420	437299.45	3762274.74	3.42E-08	1.08E-07	1.42E-07	5.32E-09	1.76E-08	2.29E-08	2.86E-09	8.16E-09	1.10E-08
6421	437308.24	3762271.05	3.39E-08	1.07E-07	1.41E-07	5.27E-09	1.74E-08	2.27E-08	2.84E-09	8.09E-09	1.09E-08
6422	437317.03	3762267.36	3.36E-08	1.06E-07	1.39E-07	5.22E-09	1.73E-08	2.25E-08	2.81E-09	8.02E-09	1.08E-08
6423	437325.82	3762263.67	3.33E-08	1.05E-07	1.38E-07	5.18E-09	1.71E-08	2.23E-08	2.79E-09	7.95E-09	1.07E-08
6424	437334.6	3762259.99	3.3E-08	1.04E-07	1.37E-07	5.13E-09	1.70E-08	2.21E-08	2.76E-09	7.88E-09	1.06E-08
6425	437343.39	3762256.3	3.27E-08	1.03E-07	1.36E-07	5.09E-09	1.68E-08	2.19E-08	2.74E-09	7.81E-09	1.06E-08
6426	437352.18	3762252.61	3.25E-08	1.02E-07	1.35E-07	5.04E-09	1.67E-08	2.17E-08	2.72E-09	7.75E-09	1.05E-08
6427	436913.8	3762708.61	5.21E-08	1.64E-07	2.16E-07	8.09E-09	2.68E-08	3.49E-08	4.36E-09	1.24E-08	1.68E-08
6428	436913.8	3762718.3	5.26E-08	1.66E-07	2.18E-07	8.17E-09	2.70E-08	3.52E-08	4.40E-09	1.25E-08	1.69E-08
6429	436913.8	3762728	5.3E-08	1.67E-07	2.20E-07	8.24E-09	2.73E-08	3.55E-08	4.44E-09	1.27E-08	1.71E-08
6430	436913.8	3762737.69	5.34E-08	1.68E-07	2.22E-07	8.30E-09	2.75E-08	3.58E-08	4.47E-09	1.27E-08	1.72E-08
6431	436913.8	3762747.39	5.37E-08	1.69E-07	2.23E-07	8.34E-09	2.76E-08	3.60E-08	4.49E-09	1.28E-08	1.73E-08
6432	436913.8	3762757.09	5.39E-08	1.70E-07	2.24E-07	8.38E-09	2.77E-08	3.61E-08	4.51E-09	1.29E-08	1.74E-08
6433	436913.8	3762766.78	5.41E-08	1.70E-07	2.24E-07	8.41E-09	2.78E-08	3.62E-08	4.53E-09	1.29E-08	1.74E-08
6434	436913.8	3762776.48	5.42E-08	1.71E-07	2.25E-07	8.42E-09	2.79E-08	3.63E-08	4.54E-09	1.29E-08	1.75E-08
6435	436913.8	3762786.17	5.42E-08	1.71E-07	2.25E-07	8.42E-09	2.79E-08	3.63E-08	4.54E-09	1.29E-08	1.75E-08
6436	436913.8	3762795.87	5.41E-08	1.70E-07	2.25E-07	8.41E-09	2.78E-08	3.63E-08	4.53E-09	1.29E-08	1.74E-08
6437	436913.8	3762805.56	5.4E-08	1.70E-07	2.24E-07	8.39E-09	2.78E-08	3.62E-08	4.52E-09	1.29E-08	1.74E-08
6438	436913.8	3762815.26	5.38E-08	1.69E-07	2.23E-07	8.36E-09	2.77E-08	3.60E-08	4.50E-09	1.28E-08	1.73E-08
6439	436913.8	3762824.96	5.35E-08	1.69E-07	2.22E-07	8.32E-09	2.75E-08	3.59E-08	4.48E-09	1.28E-08	1.73E-08
6440	436913.8	3762834.65	5.32E-08	1.68E-07	2.21E-07	8.27E-09	2.74E-08	3.57E-08	4.46E-09	1.27E-08	1.72E-08
6441	436913.8	3762844.35	5.28E-08	1.66E-07	2.19E-07	8.21E-09	2.72E-08	3.54E-08	4.42E-09	1.26E-08	1.70E-08
6442	436894.81	3762672.2	4.64E-08	1.46E-07	1.93E-07	7.22E-09	2.39E-08	3.11E-08	3.89E-09	1.11E-08	1.50E-08
6443	436898.49	3762663.3	4.64E-08	1.46E-07	1.92E-07	7.21E-09	2.39E-08	3.11E-08	3.88E-09	1.11E-08	1.49E-08
6444	436902.16	3762654.39	4.63E-08	1.46E-07	1.92E-07	7.19E-09	2.38E-08	3.10E-08	3.87E-09	1.10E-08	1.49E-08
6445	436905.83	3762645.49	4.61E-08	1.45E-07	1.91E-07	7.16E-09	2.37E-08	3.09E-08	3.86E-09	1.10E-08	1.49E-08
6446	436909.5	3762636.58	4.59E-08	1.45E-07	1.91E-07	7.13E-09	2.36E-08	3.08E-08	3.84E-09	1.10E-08	1.48E-08
6447	436913.17	3762627.68	4.57E-08	1.44E-07	1.90E-07	7.10E-09	2.35E-08	3.06E-08	3.82E-09	1.09E-08	1.47E-08
6448	436916.84	3762618.78	4.54E-08	1.43E-07	1.88E-07	7.06E-09	2.34E-08	3.04E-08	3.80E-09	1.08E-08	1.46E-08
6449	436920.52	3762609.87	4.51E-08	1.42E-07	1.87E-07	7.01E-09	2.32E-08	3.02E-08	3.78E-09	1.08E-08	1.45E-08
6450	436924.19	3762600.97	4.48E-08	1.41E-07	1.86E-07	6.96E-09	2.30E-08	3.00E-08	3.75E-09	1.07E-08	1.44E-08
6451	436927.86	3762592.07	4.44E-08	1.40E-07	1.84E-07	6.91E-09	2.29E-08	2.98E-08	3.72E-09	1.06E-08	1.43E-08
6452	436931.53	3762583.16	4.41E-08	1.39E-07	1.83E-07	6.85E-09	2.27E-08	2.95E-08	3.69E-09	1.05E-08	1.42E-08
6453	436935.2	3762574.26	4.37E-08	1.38E-07	1.81E-07	6.79E-09	2.25E-08	2.93E-08	3.66E-09	1.04E-08	1.41E-08
6454	436938.87	3762565.35	4.33E-08	1.36E-07	1.80E-07	6.72E-09	2.23E-08	2.90E-08	3.62E-09	1.03E-08	1.39E-08
6455	436942.55	3762556.45	4.28E-08	1.35E-07	1.78E-07	6.66E-09	2.20E-08	2.87E-08	3.59E-09	1.02E-08	1.38E-08
6456	436946.22	3762547.55	4.24E-08	1.33E-07	1.76E-07	6.59E-09	2.18E-08	2.84E-08	3.55E-09	1.01E-08	1.37E-08
6457	436953.56	3762529.74	4.15E-08	1.31E-07	1.72E-07	6.45E-09	2.13E-08	2.78E-08	3.47E-09	9.90E-09	1.34E-08
6458	436957.23	3762520.84	4.1E-08	1.29E-07	1.70E-07	6.37E-09	2.11E-08	2.75E-08	3.43E-09	9.79E-09	1.32E-08
6459	436960.9	3762511.93	4.06E-08	1.28E-07	1.68E-07	6.30E-09	2.09E-08	2.72E-08	3.39E-09	9.68E-09	1.31E-08
6460	436964.58	3762503.03	4.01E-08	1.26E-07	1.66E-07	6.23E-09	2.06E-08	2.69E-08	3.36E-09	9.57E-09	1.29E-08
6461	436990.28	3762440.7	3.68E-08	1.16E-07	1.53E-07	5.72E-09	1.90E-08	2.47E-08	3.08E-09	8.79E-09	1.19E-08
6462	436993.95	3762431.8	3.64E-08	1.15E-07	1.51E-07	5.65E-09	1.87E-08	2.44E-08	3.05E-09	8.68E-09	1.17E-08

6463	436997.62	3762422.89	3.59E-08	1.13E-07	1.49E-07	5.58E-09	1.85E-08	2.41E-08	3.01E-09	8.58E-09	1.16E-08
6464	437001.29	3762413.99	3.55E-08	1.12E-07	1.47E-07	5.51E-09	1.82E-08	2.38E-08	2.97E-09	8.46E-09	1.14E-08
6465	437008.64	3762396.18	3.45E-08	1.09E-07	1.43E-07	5.36E-09	1.77E-08	2.31E-08	2.89E-09	8.23E-09	1.11E-08
6466	437012.31	3762387.28	3.4E-08	1.07E-07	1.41E-07	5.28E-09	1.75E-08	2.28E-08	2.85E-09	8.11E-09	1.10E-08
6467	437019.65	3762369.47	3.29E-08	1.04E-07	1.37E-07	5.12E-09	1.69E-08	2.21E-08	2.76E-09	7.86E-09	1.06E-08
6468	437032.2	3762356.84	3.26E-08	1.03E-07	1.35E-07	5.07E-09	1.68E-08	2.18E-08	2.73E-09	7.78E-09	1.05E-08
6469	437058.84	3762345.66	3.32E-08	1.04E-07	1.38E-07	5.15E-09	1.71E-08	2.22E-08	2.78E-09	7.92E-09	1.07E-08
6470	437067.72	3762341.93	3.33E-08	1.05E-07	1.38E-07	5.18E-09	1.71E-08	2.23E-08	2.79E-09	7.95E-09	1.07E-08
6471	437076.6	3762338.2	3.34E-08	1.05E-07	1.39E-07	5.19E-09	1.72E-08	2.24E-08	2.80E-09	7.98E-09	1.08E-08
6472	437085.49	3762334.48	3.35E-08	1.06E-07	1.39E-07	5.21E-09	1.72E-08	2.25E-08	2.81E-09	8.00E-09	1.08E-08
6473	437094.37	3762330.75	3.36E-08	1.06E-07	1.39E-07	5.22E-09	1.73E-08	2.25E-08	2.81E-09	8.02E-09	1.08E-08
6474	437103.25	3762327.02	3.36E-08	1.06E-07	1.40E-07	5.23E-09	1.73E-08	2.25E-08	2.82E-09	8.03E-09	1.08E-08
6475	437112.13	3762323.29	3.37E-08	1.06E-07	1.40E-07	5.23E-09	1.73E-08	2.26E-08	2.82E-09	8.03E-09	1.09E-08
6476	437121.01	3762319.57	3.37E-08	1.06E-07	1.40E-07	5.23E-09	1.73E-08	2.26E-08	2.82E-09	8.04E-09	1.09E-08
6477	437129.89	3762315.84	3.37E-08	1.06E-07	1.40E-07	5.23E-09	1.73E-08	2.26E-08	2.82E-09	8.04E-09	1.09E-08
6478	437138.77	3762312.11	3.37E-08	1.06E-07	1.40E-07	5.24E-09	1.74E-08	2.26E-08	2.82E-09	8.05E-09	1.09E-08
6479	437147.65	3762308.38	3.37E-08	1.06E-07	1.40E-07	5.24E-09	1.74E-08	2.26E-08	2.82E-09	8.05E-09	1.09E-08
6480	437183.17	3762293.47	3.35E-08	1.05E-07	1.39E-07	5.20E-09	1.72E-08	2.24E-08	2.80E-09	7.99E-09	1.08E-08
6481	437192.05	3762289.74	3.33E-08	1.05E-07	1.38E-07	5.18E-09	1.71E-08	2.23E-08	2.79E-09	7.95E-09	1.07E-08
6482	437200.93	3762286.02	3.32E-08	1.04E-07	1.38E-07	5.15E-09	1.71E-08	2.22E-08	2.78E-09	7.91E-09	1.07E-08
6483	437209.81	3762282.29	3.3E-08	1.04E-07	1.37E-07	5.12E-09	1.70E-08	2.21E-08	2.76E-09	7.87E-09	1.06E-08
6484	437218.69	3762278.56	3.28E-08	1.03E-07	1.36E-07	5.09E-09	1.69E-08	2.19E-08	2.74E-09	7.82E-09	1.06E-08
6485	437227.57	3762274.83	3.25E-08	1.02E-07	1.35E-07	5.06E-09	1.67E-08	2.18E-08	2.72E-09	7.76E-09	1.05E-08
6486	437236.45	3762271.11	3.23E-08	1.02E-07	1.34E-07	5.02E-09	1.66E-08	2.16E-08	2.70E-09	7.71E-09	1.04E-08
6487	437245.33	3762267.38	3.2E-08	1.01E-07	1.33E-07	4.98E-09	1.65E-08	2.15E-08	2.68E-09	7.65E-09	1.03E-08
6488	437254.21	3762263.65	3.18E-08	1.00E-07	1.32E-07	4.94E-09	1.63E-08	2.13E-08	2.66E-09	7.58E-09	1.02E-08
6489	437263.09	3762259.92	3.15E-08	9.93E-08	1.31E-07	4.90E-09	1.62E-08	2.11E-08	2.64E-09	7.52E-09	1.02E-08
6490	437271.97	3762256.2	3.13E-08	9.84E-08	1.30E-07	4.86E-09	1.61E-08	2.09E-08	2.62E-09	7.46E-09	1.01E-08
6491	437280.85	3762252.47	3.1E-08	9.76E-08	1.29E-07	4.81E-09	1.59E-08	2.08E-08	2.59E-09	7.39E-09	9.99E-09
6492	437289.73	3762248.74	3.07E-08	9.67E-08	1.27E-07	4.77E-09	1.58E-08	2.06E-08	2.57E-09	7.33E-09	9.90E-09
6493	437298.62	3762245.01	3.05E-08	9.59E-08	1.26E-07	4.73E-09	1.57E-08	2.04E-08	2.55E-09	7.27E-09	9.82E-09
6494	437307.5	3762241.29	3.02E-08	9.51E-08	1.25E-07	4.69E-09	1.55E-08	2.02E-08	2.53E-09	7.21E-09	9.73E-09
6495	437316.38	3762237.56	2.99E-08	9.43E-08	1.24E-07	4.65E-09	1.54E-08	2.01E-08	2.51E-09	7.15E-09	9.65E-09
6496	437325.26	3762233.83	2.97E-08	9.35E-08	1.23E-07	4.61E-09	1.53E-08	1.99E-08	2.49E-09	7.09E-09	9.57E-09
6497	437334.14	3762230.1	2.94E-08	9.27E-08	1.22E-07	4.58E-09	1.52E-08	1.97E-08	2.46E-09	7.03E-09	9.49E-09
6498	437343.02	3762226.37	2.92E-08	9.20E-08	1.21E-07	4.54E-09	1.50E-08	1.96E-08	2.44E-09	6.97E-09	9.41E-09
6499	437351.9	3762222.65	2.9E-08	9.13E-08	1.20E-07	4.50E-09	1.49E-08	1.94E-08	2.43E-09	6.92E-09	9.34E-09
6500	436883.8	3762708.61	4.68E-08	1.47E-07	1.94E-07	7.27E-09	2.41E-08	3.13E-08	3.92E-09	1.12E-08	1.51E-08
6501	436883.8	3762718.3	4.72E-08	1.49E-07	1.96E-07	7.33E-09	2.43E-08	3.16E-08	3.95E-09	1.13E-08	1.52E-08
6502	436883.8	3762728	4.76E-08	1.50E-07	1.97E-07	7.39E-09	2.45E-08	3.19E-08	3.98E-09	1.13E-08	1.53E-08
6503	436883.8	3762737.69	4.79E-08	1.51E-07	1.99E-07	7.44E-09	2.46E-08	3.21E-08	4.01E-09	1.14E-08	1.54E-08
6504	436883.8	3762747.39	4.81E-08	1.51E-07	2.00E-07	7.47E-09	2.47E-08	3.22E-08	4.03E-09	1.15E-08	1.55E-08
6505	436883.8	3762757.09	4.83E-08	1.52E-07	2.00E-07	7.50E-09	2.48E-08	3.23E-08	4.04E-09	1.15E-08	1.56E-08
6506	436883.8	3762766.78	4.84E-08	1.52E-07	2.01E-07	7.52E-09	2.49E-08	3.24E-08	4.05E-09	1.16E-08	1.56E-08
6507	436883.8	3762776.48	4.85E-08	1.53E-07	2.01E-07	7.53E-09	2.49E-08	3.25E-08	4.06E-09	1.16E-08	1.56E-08
6508	436883.8	3762786.17	4.85E-08	1.53E-07	2.01E-07	7.53E-09	2.49E-08	3.25E-08	4.06E-09	1.16E-08	1.56E-08
6509	436883.8	3762795.87	4.84E-08	1.52E-07	2.01E-07	7.52E-09	2.49E-08	3.24E-08	4.05E-09	1.16E-08	1.56E-08
6510	436883.8	3762805.56	4.83E-08	1.52E-07	2.00E-07	7.50E-09	2.48E-08	3.24E-08	4.04E-09	1.15E-08	1.56E-08
6511	436883.8	3762815.26	4.81E-08	1.52E-07	2.00E-07	7.48E-09	2.48E-08	3.22E-08	4.03E-09	1.15E-08	1.55E-08
6512	436883.8	3762824.96	4.79E-08	1.51E-07	1.99E-07	7.44E-09	2.46E-08	3.21E-08	4.01E-09	1.14E-08	1.54E-08
6513	436883.8	3762834.65	4.76E-08	1.50E-07	1.98E-07	7.40E-09	2.45E-08	3.19E-08	3.99E-09	1.14E-08	1.53E-08
6514	436883.8	3762844.35	4.73E-08	1.49E-07	1.96E-07	7.35E-09	2.43E-08	3.17E-08	3.96E-09	1.13E-08	1.52E-08
6515	436864.65	3762672.61	4.21E-08	1.32E-07	1.75E-07	6.54E-09	2.16E-08	2.82E-08	3.52E-09	1.00E-08	1.36E-08
6516	436868.26	3762663.84	4.2E-08	1.32E-07	1.74E-07	6.53E-09	2.16E-08	2.82E-08	3.52E-09	1.00E-08	1.35E-08
6517	436871.88	3762655.07	4.2E-08	1.32E-07	1.74E-07	6.52E-09	2.16E-08	2.81E-08	3.51E-09	1.00E-08	1.35E-08
6518	436875.49	3762646.3	4.18E-08	1.32E-07	1.74E-07	6.50E-09	2.15E-08	2.80E-08	3.50E-09	9.98E-09	1.35E-08
6519	436879.11	3762637.53	4.17E-08	1.31E-07	1.73E-07	6.48E-09	2.14E-08	2.79E-08	3.49E-09	9.95E-09	1.34E-08
6520	436882.73	3762628.77	4.15E-08	1.31E-07	1.72E-07	6.45E-09	2.14E-08	2.78E-08	3.47E-09	9.90E-09	1.34E-08
6521	436886.34	3762620	4.13E-08	1.30E-07	1.71E-07	6.42E-09	2.12E-08	2.77E-08	3.46E-09	9.85E-09	1.33E-08
6522	436889.96	3762611.23	4.11E-08	1.29E-07	1.70E-07	6.38E-09	2.11E-08	2.75E-08	3.44E-09	9.80E-09	1.32E-08
6523	436893.57	3762602.46	4.08E-08	1.29E-07	1.69E-07	6.34E-09	2.10E-08	2.73E-08	3.42E-09	9.74E-09	1.32E-08

6524	436897.19	3762593.69	4.06E-08	1.28E-07	1.68E-07	6.30E-09	2.09E-08	2.72E-08	3.40E-09	9.68E-09	1.31E-08
6525	436900.8	3762584.93	4.03E-08	1.27E-07	1.67E-07	6.26E-09	2.07E-08	2.70E-08	3.37E-09	9.61E-09	1.30E-08
6526	436904.42	3762576.16	4E-08	1.26E-07	1.66E-07	6.21E-09	2.06E-08	2.68E-08	3.35E-09	9.54E-09	1.29E-08
6527	436911.65	3762558.62	3.93E-08	1.24E-07	1.63E-07	6.11E-09	2.02E-08	2.63E-08	3.29E-09	9.38E-09	1.27E-08
6528	436915.27	3762549.85	3.9E-08	1.23E-07	1.62E-07	6.06E-09	2.00E-08	2.61E-08	3.26E-09	9.30E-09	1.26E-08
6529	436918.88	3762541.09	3.86E-08	1.22E-07	1.60E-07	6.00E-09	1.99E-08	2.59E-08	3.23E-09	9.21E-09	1.24E-08
6530	436922.5	3762532.32	3.82E-08	1.20E-07	1.59E-07	5.94E-09	1.97E-08	2.56E-08	3.20E-09	9.12E-09	1.23E-08
6531	436929.73	3762514.78	3.75E-08	1.18E-07	1.55E-07	5.82E-09	1.93E-08	2.51E-08	3.14E-09	8.94E-09	1.21E-08
6532	436933.34	3762506.01	3.71E-08	1.17E-07	1.54E-07	5.76E-09	1.91E-08	2.48E-08	3.10E-09	8.85E-09	1.19E-08
6533	436936.96	3762497.25	3.67E-08	1.15E-07	1.52E-07	5.70E-09	1.89E-08	2.46E-08	3.07E-09	8.75E-09	1.18E-08
6534	436940.58	3762488.48	3.63E-08	1.14E-07	1.50E-07	5.63E-09	1.87E-08	2.43E-08	3.03E-09	8.65E-09	1.17E-08
6535	436955.04	3762453.41	3.47E-08	1.09E-07	1.44E-07	5.39E-09	1.78E-08	2.32E-08	2.90E-09	8.27E-09	1.12E-08
6536	436958.65	3762444.64	3.43E-08	1.08E-07	1.42E-07	5.33E-09	1.77E-08	2.30E-08	2.87E-09	8.19E-09	1.11E-08
6537	436965.89	3762427.1	3.36E-08	1.06E-07	1.39E-07	5.22E-09	1.73E-08	2.25E-08	2.81E-09	8.02E-09	1.08E-08
6538	436969.5	3762418.33	3.32E-08	1.05E-07	1.38E-07	5.16E-09	1.71E-08	2.23E-08	2.78E-09	7.93E-09	1.07E-08
6539	436973.12	3762409.57	3.28E-08	1.03E-07	1.36E-07	5.10E-09	1.69E-08	2.20E-08	2.75E-09	7.84E-09	1.06E-08
6540	436976.73	3762400.8	3.24E-08	1.02E-07	1.35E-07	5.04E-09	1.67E-08	2.17E-08	2.72E-09	7.74E-09	1.05E-08
6541	436983.96	3762383.26	3.16E-08	9.95E-08	1.31E-07	4.91E-09	1.63E-08	2.12E-08	2.65E-09	7.54E-09	1.02E-08
6542	436987.58	3762374.49	3.12E-08	9.82E-08	1.29E-07	4.84E-09	1.60E-08	2.09E-08	2.61E-09	7.44E-09	1.00E-08
6543	436991.2	3762365.73	3.07E-08	9.68E-08	1.28E-07	4.78E-09	1.58E-08	2.06E-08	2.57E-09	7.33E-09	9.91E-09
6544	436994.81	3762356.96	3.03E-08	9.54E-08	1.26E-07	4.71E-09	1.56E-08	2.03E-08	2.54E-09	7.23E-09	9.76E-09
6545	437010.79	3762335.75	2.96E-08	9.31E-08	1.23E-07	4.59E-09	1.52E-08	1.98E-08	2.47E-09	7.05E-09	9.53E-09
6546	437037.02	3762324.74	3E-08	9.46E-08	1.25E-07	4.67E-09	1.55E-08	2.01E-08	2.51E-09	7.17E-09	9.68E-09
6547	437045.77	3762321.07	3.02E-08	9.50E-08	1.25E-07	4.69E-09	1.55E-08	2.02E-08	2.52E-09	7.20E-09	9.72E-09
6548	437054.51	3762317.4	3.03E-08	9.54E-08	1.26E-07	4.70E-09	1.56E-08	2.03E-08	2.53E-09	7.23E-09	9.76E-09
6549	437063.26	3762313.73	3.04E-08	9.57E-08	1.26E-07	4.72E-09	1.56E-08	2.03E-08	2.54E-09	7.25E-09	9.79E-09
6550	437072	3762310.06	3.05E-08	9.59E-08	1.26E-07	4.73E-09	1.57E-08	2.04E-08	2.55E-09	7.27E-09	9.82E-09
6551	437080.75	3762306.39	3.05E-08	9.61E-08	1.27E-07	4.74E-09	1.57E-08	2.04E-08	2.55E-09	7.28E-09	9.83E-09
6552	437089.49	3762302.71	3.05E-08	9.62E-08	1.27E-07	4.75E-09	1.57E-08	2.05E-08	2.56E-09	7.29E-09	9.84E-09
6553	437098.24	3762299.04	3.06E-08	9.62E-08	1.27E-07	4.75E-09	1.57E-08	2.05E-08	2.56E-09	7.29E-09	9.85E-09
6554	437106.98	3762295.37	3.06E-08	9.64E-08	1.27E-07	4.75E-09	1.57E-08	2.05E-08	2.56E-09	7.30E-09	9.86E-09
6555	437115.73	3762291.7	3.06E-08	9.64E-08	1.27E-07	4.76E-09	1.58E-08	2.05E-08	2.56E-09	7.31E-09	9.87E-09
6556	437124.47	3762288.03	3.06E-08	9.64E-08	1.27E-07	4.76E-09	1.58E-08	2.05E-08	2.56E-09	7.31E-09	9.87E-09
6557	437133.22	3762284.36	3.06E-08	9.64E-08	1.27E-07	4.75E-09	1.57E-08	2.05E-08	2.56E-09	7.30E-09	9.86E-09
6558	437141.96	3762280.69	3.06E-08	9.63E-08	1.27E-07	4.75E-09	1.57E-08	2.05E-08	2.56E-09	7.29E-09	9.85E-09
6559	437176.94	3762266.01	3.02E-08	9.51E-08	1.25E-07	4.69E-09	1.55E-08	2.02E-08	2.53E-09	7.21E-09	9.73E-09
6560	437185.69	3762262.34	3.01E-08	9.47E-08	1.25E-07	4.67E-09	1.55E-08	2.01E-08	2.52E-09	7.17E-09	9.69E-09
6561	437194.43	3762258.67	2.99E-08	9.41E-08	1.24E-07	4.64E-09	1.54E-08	2.00E-08	2.50E-09	7.13E-09	9.64E-09
6562	437203.18	3762254.99	2.97E-08	9.35E-08	1.23E-07	4.62E-09	1.53E-08	1.99E-08	2.49E-09	7.09E-09	9.58E-09
6563	437211.92	3762251.32	2.95E-08	9.29E-08	1.22E-07	4.59E-09	1.52E-08	1.98E-08	2.47E-09	7.04E-09	9.51E-09
6564	437220.67	3762247.65	2.93E-08	9.23E-08	1.22E-07	4.55E-09	1.51E-08	1.96E-08	2.45E-09	6.99E-09	9.44E-09
6565	437229.41	3762243.98	2.91E-08	9.16E-08	1.21E-07	4.52E-09	1.50E-08	1.95E-08	2.43E-09	6.94E-09	9.37E-09
6566	437238.16	3762240.31	2.89E-08	9.09E-08	1.20E-07	4.48E-09	1.48E-08	1.93E-08	2.41E-09	6.88E-09	9.30E-09
6567	437246.9	3762236.64	2.86E-08	9.01E-08	1.19E-07	4.45E-09	1.47E-08	1.92E-08	2.40E-09	6.83E-09	9.23E-09
6568	437255.65	3762232.97	2.84E-08	8.94E-08	1.18E-07	4.41E-09	1.46E-08	1.90E-08	2.38E-09	6.78E-09	9.15E-09
6569	437264.39	3762229.3	2.82E-08	8.87E-08	1.17E-07	4.38E-09	1.45E-08	1.89E-08	2.36E-09	6.72E-09	9.08E-09
6570	437273.14	3762225.63	2.8E-08	8.80E-08	1.16E-07	4.34E-09	1.44E-08	1.87E-08	2.34E-09	6.67E-09	9.01E-09
6571	437281.88	3762221.96	2.77E-08	8.73E-08	1.15E-07	4.31E-09	1.43E-08	1.86E-08	2.32E-09	6.62E-09	8.94E-09
6572	437290.63	3762218.29	2.75E-08	8.66E-08	1.14E-07	4.27E-09	1.42E-08	1.84E-08	2.30E-09	6.56E-09	8.87E-09
6573	437299.37	3762214.62	2.73E-08	8.59E-08	1.13E-07	4.24E-09	1.40E-08	1.83E-08	2.28E-09	6.51E-09	8.80E-09
6574	437308.12	3762210.94	2.71E-08	8.53E-08	1.12E-07	4.21E-09	1.39E-08	1.81E-08	2.27E-09	6.46E-09	8.73E-09
6575	437316.86	3762207.27	2.69E-08	8.46E-08	1.11E-07	4.17E-09	1.38E-08	1.80E-08	2.25E-09	6.41E-09	8.66E-09
6576	437325.61	3762203.6	2.66E-08	8.39E-08	1.11E-07	4.14E-09	1.37E-08	1.78E-08	2.23E-09	6.36E-09	8.59E-09
6577	437334.35	3762199.93	2.64E-08	8.33E-08	1.10E-07	4.11E-09	1.36E-08	1.77E-08	2.21E-09	6.31E-09	8.52E-09
6578	437343.1	3762196.26	2.62E-08	8.26E-08	1.09E-07	4.08E-09	1.35E-08	1.76E-08	2.20E-09	6.26E-09	8.46E-09
6579	437351.84	3762192.59	2.61E-08	8.20E-08	1.08E-07	4.05E-09	1.34E-08	1.75E-08	2.18E-09	6.22E-09	8.40E-09
6580	436853.8	3762708.61	4.23E-08	1.33E-07	1.75E-07	6.57E-09	2.17E-08	2.83E-08	3.54E-09	1.01E-08	1.36E-08
6581	436853.8	3762718.3	4.26E-08	1.34E-07	1.77E-07	6.62E-09	2.19E-08	2.85E-08	3.56E-09	1.02E-08	1.37E-08
6582	436853.8	3762728	4.29E-08	1.35E-07	1.78E-07	6.66E-09	2.21E-08	2.87E-08	3.59E-09	1.02E-08	1.38E-08
6583	436853.8	3762737.69	4.31E-08	1.36E-07	1.79E-07	6.70E-09	2.22E-08	2.89E-08	3.61E-09	1.03E-08	1.39E-08
6584	436853.8	3762747.39	4.33E-08	1.36E-07	1.80E-07	6.73E-09	2.23E-08	2.90E-08	3.63E-09	1.03E-08	1.40E-08

6585	436853.8	3762757.09	4.35E-08	1.37E-07	1.80E-07	6.76E-09	2.24E-08	2.91E-08	3.64E-09	1.04E-08	1.40E-08
6586	436853.8	3762766.78	4.36E-08	1.37E-07	1.81E-07	6.77E-09	2.24E-08	2.92E-08	3.65E-09	1.04E-08	1.41E-08
6587	436853.8	3762776.48	4.36E-08	1.37E-07	1.81E-07	6.78E-09	2.24E-08	2.92E-08	3.65E-09	1.04E-08	1.41E-08
6588	436853.8	3762786.17	4.36E-08	1.37E-07	1.81E-07	6.78E-09	2.24E-08	2.92E-08	3.65E-09	1.04E-08	1.41E-08
6589	436853.8	3762795.87	4.36E-08	1.37E-07	1.81E-07	6.77E-09	2.24E-08	2.92E-08	3.65E-09	1.04E-08	1.40E-08
6590	436853.8	3762805.56	4.35E-08	1.37E-07	1.80E-07	6.75E-09	2.24E-08	2.91E-08	3.64E-09	1.04E-08	1.40E-08
6591	436853.8	3762815.26	4.33E-08	1.36E-07	1.80E-07	6.73E-09	2.23E-08	2.90E-08	3.62E-09	1.03E-08	1.40E-08
6592	436853.8	3762824.96	4.31E-08	1.36E-07	1.79E-07	6.70E-09	2.22E-08	2.89E-08	3.61E-09	1.03E-08	1.39E-08
6593	436853.8	3762834.65	4.29E-08	1.35E-07	1.78E-07	6.66E-09	2.21E-08	2.87E-08	3.59E-09	1.02E-08	1.38E-08
6594	436853.8	3762844.35	4.26E-08	1.34E-07	1.77E-07	6.62E-09	2.19E-08	2.85E-08	3.57E-09	1.02E-08	1.37E-08
6595	436834.75	3762672.35	3.83E-08	1.21E-07	1.59E-07	5.96E-09	1.97E-08	2.57E-08	3.21E-09	9.15E-09	1.24E-08
6596	436838.4	3762663.5	3.83E-08	1.21E-07	1.59E-07	5.96E-09	1.97E-08	2.57E-08	3.21E-09	9.15E-09	1.24E-08
6597	436842.05	3762654.65	3.83E-08	1.21E-07	1.59E-07	5.95E-09	1.97E-08	2.57E-08	3.21E-09	9.14E-09	1.23E-08
6598	436845.7	3762645.8	3.82E-08	1.20E-07	1.59E-07	5.94E-09	1.97E-08	2.56E-08	3.20E-09	9.12E-09	1.23E-08
6599	436849.35	3762636.95	3.81E-08	1.20E-07	1.58E-07	5.92E-09	1.96E-08	2.55E-08	3.19E-09	9.09E-09	1.23E-08
6600	436856.65	3762619.24	3.77E-08	1.19E-07	1.56E-07	5.86E-09	1.94E-08	2.53E-08	3.16E-09	9.00E-09	1.22E-08
6601	436860.3	3762610.39	3.75E-08	1.18E-07	1.56E-07	5.83E-09	1.93E-08	2.51E-08	3.14E-09	8.95E-09	1.21E-08
6602	436863.95	3762601.54	3.73E-08	1.17E-07	1.55E-07	5.79E-09	1.92E-08	2.50E-08	3.12E-09	8.89E-09	1.20E-08
6603	436867.6	3762592.69	3.71E-08	1.17E-07	1.54E-07	5.76E-09	1.91E-08	2.48E-08	3.10E-09	8.85E-09	1.19E-08
6604	436874.9	3762574.98	3.66E-08	1.15E-07	1.52E-07	5.69E-09	1.88E-08	2.45E-08	3.06E-09	8.74E-09	1.18E-08
6605	436878.55	3762566.13	3.63E-08	1.14E-07	1.51E-07	5.65E-09	1.87E-08	2.43E-08	3.04E-09	8.67E-09	1.17E-08
6606	436882.2	3762557.28	3.61E-08	1.14E-07	1.50E-07	5.60E-09	1.86E-08	2.42E-08	3.02E-09	8.61E-09	1.16E-08
6607	436885.85	3762548.43	3.58E-08	1.13E-07	1.48E-07	5.56E-09	1.84E-08	2.40E-08	2.99E-09	8.54E-09	1.15E-08
6608	436893.16	3762530.72	3.51E-08	1.11E-07	1.46E-07	5.46E-09	1.81E-08	2.35E-08	2.94E-09	8.39E-09	1.13E-08
6609	436896.81	3762521.87	3.48E-08	1.10E-07	1.44E-07	5.41E-09	1.79E-08	2.33E-08	2.91E-09	8.31E-09	1.12E-08
6610	436900.46	3762513.02	3.45E-08	1.09E-07	1.43E-07	5.36E-09	1.77E-08	2.31E-08	2.89E-09	8.23E-09	1.11E-08
6611	436904.11	3762504.17	3.42E-08	1.08E-07	1.42E-07	5.31E-09	1.76E-08	2.29E-08	2.86E-09	8.15E-09	1.10E-08
6612	436911.41	3762486.46	3.35E-08	1.05E-07	1.39E-07	5.20E-09	1.72E-08	2.24E-08	2.80E-09	7.99E-09	1.08E-08
6613	436929.66	3762442.2	3.18E-08	1.00E-07	1.32E-07	4.94E-09	1.63E-08	2.13E-08	2.66E-09	7.58E-09	1.02E-08
6614	436933.31	3762433.35	3.15E-08	9.91E-08	1.31E-07	4.89E-09	1.62E-08	2.11E-08	2.63E-09	7.51E-09	1.01E-08
6615	436936.96	3762424.5	3.12E-08	9.81E-08	1.29E-07	4.84E-09	1.60E-08	2.09E-08	2.61E-09	7.43E-09	1.00E-08
6616	436940.61	3762415.65	3.08E-08	9.71E-08	1.28E-07	4.79E-09	1.59E-08	2.07E-08	2.58E-09	7.36E-09	9.94E-09
6617	436947.91	3762397.94	3.02E-08	9.50E-08	1.25E-07	4.69E-09	1.55E-08	2.02E-08	2.52E-09	7.20E-09	9.72E-09
6618	436951.56	3762389.09	2.98E-08	9.39E-08	1.24E-07	4.63E-09	1.53E-08	2.00E-08	2.50E-09	7.11E-09	9.61E-09
6619	436955.21	3762380.24	2.95E-08	9.28E-08	1.22E-07	4.58E-09	1.52E-08	1.97E-08	2.47E-09	7.03E-09	9.49E-09
6620	436958.86	3762371.39	2.91E-08	9.16E-08	1.21E-07	4.52E-09	1.50E-08	1.95E-08	2.44E-09	6.94E-09	9.38E-09
6621	436966.16	3762353.68	2.83E-08	8.93E-08	1.18E-07	4.40E-09	1.46E-08	1.90E-08	2.37E-09	6.76E-09	9.14E-09
6622	436969.81	3762344.83	2.8E-08	8.81E-08	1.16E-07	4.34E-09	1.44E-08	1.87E-08	2.34E-09	6.67E-09	9.01E-09
6623	436977.11	3762327.13	2.72E-08	8.56E-08	1.13E-07	4.22E-09	1.40E-08	1.82E-08	2.27E-09	6.49E-09	8.76E-09
6624	436989.59	3762314.57	2.7E-08	8.49E-08	1.12E-07	4.19E-09	1.39E-08	1.81E-08	2.26E-09	6.43E-09	8.69E-09
6625	437024.91	3762299.75	2.75E-08	8.66E-08	1.14E-07	4.27E-09	1.42E-08	1.84E-08	2.30E-09	6.56E-09	8.87E-09
6626	437033.74	3762296.04	2.76E-08	8.70E-08	1.15E-07	4.29E-09	1.42E-08	1.85E-08	2.31E-09	6.59E-09	8.90E-09
6627	437042.56	3762292.33	2.77E-08	8.73E-08	1.15E-07	4.31E-09	1.43E-08	1.86E-08	2.32E-09	6.61E-09	8.93E-09
6628	437051.39	3762288.63	2.78E-08	8.76E-08	1.15E-07	4.32E-09	1.43E-08	1.86E-08	2.33E-09	6.64E-09	8.96E-09
6629	437060.22	3762284.92	2.79E-08	8.78E-08	1.16E-07	4.33E-09	1.43E-08	1.87E-08	2.33E-09	6.65E-09	8.99E-09
6630	437069.05	3762281.22	2.79E-08	8.80E-08	1.16E-07	4.34E-09	1.44E-08	1.87E-08	2.34E-09	6.67E-09	9.00E-09
6631	437077.88	3762277.51	2.8E-08	8.81E-08	1.16E-07	4.35E-09	1.44E-08	1.87E-08	2.34E-09	6.68E-09	9.02E-09
6632	437086.71	3762273.8	2.8E-08	8.82E-08	1.16E-07	4.35E-09	1.44E-08	1.88E-08	2.34E-09	6.68E-09	9.03E-09
6633	437095.54	3762270.1	2.8E-08	8.83E-08	1.16E-07	4.36E-09	1.44E-08	1.88E-08	2.35E-09	6.69E-09	9.04E-09
6634	437104.37	3762266.39	2.8E-08	8.82E-08	1.16E-07	4.35E-09	1.44E-08	1.88E-08	2.35E-09	6.69E-09	9.03E-09
6635	437113.19	3762262.69	2.8E-08	8.81E-08	1.16E-07	4.35E-09	1.44E-08	1.87E-08	2.34E-09	6.68E-09	9.02E-09
6636	437122.02	3762258.98	2.79E-08	8.80E-08	1.16E-07	4.34E-09	1.44E-08	1.87E-08	2.34E-09	6.67E-09	9.01E-09
6637	437130.85	3762255.28	2.79E-08	8.78E-08	1.16E-07	4.33E-09	1.43E-08	1.87E-08	2.33E-09	6.65E-09	8.99E-09
6638	437139.68	3762251.57	2.78E-08	8.76E-08	1.15E-07	4.32E-09	1.43E-08	1.86E-08	2.33E-09	6.64E-09	8.96E-09
6639	437148.51	3762247.86	2.77E-08	8.73E-08	1.15E-07	4.31E-09	1.43E-08	1.86E-08	2.32E-09	6.61E-09	8.93E-09
6640	437157.34	3762244.16	2.76E-08	8.70E-08	1.15E-07	4.29E-09	1.42E-08	1.85E-08	2.31E-09	6.59E-09	8.90E-09
6641	437166.17	3762240.45	2.75E-08	8.66E-08	1.14E-07	4.27E-09	1.41E-08	1.84E-08	2.30E-09	6.56E-09	8.86E-09
6642	437175	3762236.75	2.73E-08	8.61E-08	1.13E-07	4.25E-09	1.41E-08	1.83E-08	2.29E-09	6.52E-09	8.81E-09
6643	437183.82	3762233.04	2.72E-08	8.56E-08	1.13E-07	4.22E-09	1.40E-08	1.82E-08	2.28E-09	6.49E-09	8.76E-09
6644	437192.65	3762229.33	2.7E-08	8.51E-08	1.12E-07	4.20E-09	1.39E-08	1.81E-08	2.26E-09	6.45E-09	8.71E-09
6645	437201.48	3762225.63	2.68E-08	8.45E-08	1.11E-07	4.17E-09	1.38E-08	1.80E-08	2.25E-09	6.40E-09	8.65E-09

6646	437210.31	3762221.92	2.66E-08	8.39E-08	1.11E-07	4.14E-09	1.37E-08	1.78E-08	2.23E-09	6.36E-09	8.59E-09
6647	437219.14	3762218.22	2.64E-08	8.33E-08	1.10E-07	4.11E-09	1.36E-08	1.77E-08	2.21E-09	6.31E-09	8.52E-09
6648	437227.97	3762214.51	2.62E-08	8.26E-08	1.09E-07	4.08E-09	1.35E-08	1.76E-08	2.20E-09	6.26E-09	8.46E-09
6649	437236.8	3762210.8	2.6E-08	8.20E-08	1.08E-07	4.05E-09	1.34E-08	1.74E-08	2.18E-09	6.21E-09	8.39E-09
6650	437245.63	3762207.1	2.58E-08	8.14E-08	1.07E-07	4.02E-09	1.33E-08	1.73E-08	2.16E-09	6.17E-09	8.33E-09
6651	437254.45	3762203.39	2.56E-08	8.07E-08	1.06E-07	3.98E-09	1.32E-08	1.72E-08	2.15E-09	6.12E-09	8.26E-09
6652	437263.28	3762199.69	2.54E-08	8.01E-08	1.06E-07	3.95E-09	1.31E-08	1.70E-08	2.13E-09	6.07E-09	8.20E-09
6653	437272.11	3762195.98	2.52E-08	7.95E-08	1.05E-07	3.92E-09	1.30E-08	1.69E-08	2.11E-09	6.02E-09	8.13E-09
6654	437280.94	3762192.27	2.5E-08	7.88E-08	1.04E-07	3.89E-09	1.29E-08	1.68E-08	2.10E-09	5.97E-09	8.07E-09
6655	437289.77	3762188.57	2.48E-08	7.82E-08	1.03E-07	3.86E-09	1.28E-08	1.66E-08	2.08E-09	5.93E-09	8.01E-09
6656	437298.6	3762184.86	2.46E-08	7.76E-08	1.02E-07	3.83E-09	1.27E-08	1.65E-08	2.06E-09	5.88E-09	7.94E-09
6657	437307.43	3762181.16	2.44E-08	7.70E-08	1.01E-07	3.80E-09	1.26E-08	1.64E-08	2.05E-09	5.83E-09	7.88E-09
6658	437316.26	3762177.45	2.43E-08	7.64E-08	1.01E-07	3.77E-09	1.25E-08	1.63E-08	2.03E-09	5.79E-09	7.82E-09
6659	437325.09	3762173.74	2.41E-08	7.58E-08	9.99E-08	3.74E-09	1.24E-08	1.61E-08	2.02E-09	5.75E-09	7.76E-09
6660	437333.91	3762170.04	2.39E-08	7.53E-08	9.92E-08	3.71E-09	1.23E-08	1.60E-08	2.00E-09	5.70E-09	7.71E-09
6661	437342.74	3762166.33	2.37E-08	7.47E-08	9.85E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.66E-09	7.65E-09
6662	437351.57	3762162.63	2.36E-08	7.42E-08	9.78E-08	3.66E-09	1.21E-08	1.58E-08	1.97E-09	5.63E-09	7.60E-09
6663	436823.8	3762708.61	3.84E-08	1.21E-07	1.59E-07	5.97E-09	1.98E-08	2.57E-08	3.22E-09	9.17E-09	1.24E-08
6664	436823.8	3762718.3	3.87E-08	1.22E-07	1.61E-07	6.01E-09	1.99E-08	2.59E-08	3.24E-09	9.24E-09	1.25E-08
6665	436823.8	3762728	3.89E-08	1.23E-07	1.62E-07	6.05E-09	2.00E-08	2.61E-08	3.26E-09	9.29E-09	1.26E-08
6666	436823.8	3762737.69	3.92E-08	1.23E-07	1.62E-07	6.08E-09	2.01E-08	2.62E-08	3.28E-09	9.34E-09	1.26E-08
6667	436823.8	3762747.39	3.93E-08	1.24E-07	1.63E-07	6.11E-09	2.02E-08	2.63E-08	3.29E-09	9.38E-09	1.27E-08
6668	436823.8	3762757.09	3.94E-08	1.24E-07	1.64E-07	6.13E-09	2.03E-08	2.64E-08	3.30E-09	9.41E-09	1.27E-08
6669	436823.8	3762766.78	3.95E-08	1.24E-07	1.64E-07	6.14E-09	2.03E-08	2.64E-08	3.31E-09	9.42E-09	1.27E-08
6670	436823.8	3762776.48	3.95E-08	1.24E-07	1.64E-07	6.14E-09	2.03E-08	2.65E-08	3.31E-09	9.43E-09	1.27E-08
6671	436823.8	3762786.17	3.95E-08	1.24E-07	1.64E-07	6.14E-09	2.03E-08	2.64E-08	3.31E-09	9.42E-09	1.27E-08
6672	436823.8	3762795.87	3.94E-08	1.24E-07	1.64E-07	6.13E-09	2.03E-08	2.64E-08	3.30E-09	9.41E-09	1.27E-08
6673	436823.8	3762805.56	3.93E-08	1.24E-07	1.63E-07	6.11E-09	2.02E-08	2.63E-08	3.29E-09	9.38E-09	1.27E-08
6674	436823.8	3762815.26	3.92E-08	1.23E-07	1.63E-07	6.09E-09	2.02E-08	2.62E-08	3.28E-09	9.35E-09	1.26E-08
6675	436823.8	3762824.96	3.9E-08	1.23E-07	1.62E-07	6.06E-09	2.01E-08	2.61E-08	3.27E-09	9.31E-09	1.26E-08
6676	436823.8	3762834.65	3.88E-08	1.22E-07	1.61E-07	6.03E-09	2.00E-08	2.60E-08	3.25E-09	9.26E-09	1.25E-08
6677	436823.8	3762844.35	3.86E-08	1.22E-07	1.60E-07	6.00E-09	1.99E-08	2.58E-08	3.23E-09	9.21E-09	1.24E-08
6678	436804.85	3762672.12	3.51E-08	1.11E-07	1.46E-07	5.46E-09	1.81E-08	2.35E-08	2.94E-09	8.38E-09	1.13E-08
6679	436808.53	3762663.2	3.51E-08	1.11E-07	1.46E-07	5.46E-09	1.81E-08	2.35E-08	2.94E-09	8.38E-09	1.13E-08
6680	436812.21	3762654.27	3.51E-08	1.11E-07	1.46E-07	5.46E-09	1.81E-08	2.35E-08	2.94E-09	8.38E-09	1.13E-08
6681	436815.89	3762645.34	3.51E-08	1.10E-07	1.45E-07	5.45E-09	1.80E-08	2.35E-08	2.93E-09	8.37E-09	1.13E-08
6682	436819.57	3762636.41	3.5E-08	1.10E-07	1.45E-07	5.44E-09	1.80E-08	2.34E-08	2.93E-09	8.35E-09	1.13E-08
6683	436826.94	3762618.55	3.47E-08	1.09E-07	1.44E-07	5.39E-09	1.79E-08	2.32E-08	2.90E-09	8.28E-09	1.12E-08
6684	436830.62	3762609.63	3.45E-08	1.09E-07	1.43E-07	5.36E-09	1.78E-08	2.31E-08	2.89E-09	8.23E-09	1.11E-08
6685	436834.3	3762600.7	3.43E-08	1.08E-07	1.42E-07	5.33E-09	1.76E-08	2.30E-08	2.87E-09	8.18E-09	1.11E-08
6686	436837.98	3762591.77	3.41E-08	1.07E-07	1.41E-07	5.30E-09	1.75E-08	2.28E-08	2.85E-09	8.13E-09	1.10E-08
6687	436845.35	3762573.91	3.37E-08	1.06E-07	1.40E-07	5.23E-09	1.73E-08	2.25E-08	2.82E-09	8.03E-09	1.08E-08
6688	436849.03	3762564.98	3.34E-08	1.05E-07	1.39E-07	5.19E-09	1.72E-08	2.24E-08	2.80E-09	7.98E-09	1.08E-08
6689	436852.71	3762556.05	3.32E-08	1.05E-07	1.38E-07	5.16E-09	1.71E-08	2.22E-08	2.78E-09	7.92E-09	1.07E-08
6690	436856.39	3762547.13	3.29E-08	1.04E-07	1.37E-07	5.12E-09	1.69E-08	2.21E-08	2.76E-09	7.86E-09	1.06E-08
6691	436860.07	3762538.2	3.27E-08	1.03E-07	1.36E-07	5.08E-09	1.68E-08	2.19E-08	2.74E-09	7.80E-09	1.05E-08
6692	436863.75	3762529.27	3.24E-08	1.02E-07	1.34E-07	5.04E-09	1.67E-08	2.17E-08	2.71E-09	7.73E-09	1.04E-08
6693	436867.44	3762520.34	3.21E-08	1.01E-07	1.33E-07	4.99E-09	1.65E-08	2.15E-08	2.69E-09	7.67E-09	1.04E-08
6694	436874.8	3762502.48	3.16E-08	9.94E-08	1.31E-07	4.90E-09	1.62E-08	2.11E-08	2.64E-09	7.53E-09	1.02E-08
6695	436878.48	3762493.56	3.13E-08	9.85E-08	1.30E-07	4.86E-09	1.61E-08	2.10E-08	2.62E-09	7.46E-09	1.01E-08
6696	436882.16	3762484.63	3.1E-08	9.76E-08	1.29E-07	4.81E-09	1.59E-08	2.08E-08	2.59E-09	7.39E-09	9.99E-09
6697	436900.57	3762439.99	2.95E-08	9.29E-08	1.22E-07	4.58E-09	1.52E-08	1.98E-08	2.47E-09	7.04E-09	9.51E-09
6698	436904.25	3762431.06	2.92E-08	9.20E-08	1.21E-07	4.54E-09	1.50E-08	1.96E-08	2.44E-09	6.97E-09	9.41E-09
6699	436911.62	3762413.2	2.86E-08	9.02E-08	1.19E-07	4.45E-09	1.47E-08	1.92E-08	2.40E-09	6.83E-09	9.23E-09
6700	436915.3	3762404.27	2.83E-08	8.93E-08	1.18E-07	4.40E-09	1.46E-08	1.90E-08	2.37E-09	6.76E-09	9.14E-09
6701	436918.98	3762395.34	2.81E-08	8.84E-08	1.16E-07	4.36E-09	1.44E-08	1.88E-08	2.35E-09	6.70E-09	9.05E-09
6702	436922.66	3762386.41	2.78E-08	8.75E-08	1.15E-07	4.32E-09	1.43E-08	1.86E-08	2.32E-09	6.63E-09	8.95E-09
6703	436930.03	3762368.56	2.72E-08	8.56E-08	1.13E-07	4.22E-09	1.40E-08	1.82E-08	2.27E-09	6.48E-09	8.76E-09
6704	436933.71	3762359.63	2.68E-08	8.45E-08	1.11E-07	4.17E-09	1.38E-08	1.80E-08	2.25E-09	6.40E-09	8.65E-09
6705	436941.07	3762341.77	2.62E-08	8.25E-08	1.09E-07	4.07E-09	1.35E-08	1.75E-08	2.19E-09	6.25E-09	8.44E-09
6706	436944.76	3762332.84	2.59E-08	8.15E-08	1.07E-07	4.02E-09	1.33E-08	1.73E-08	2.17E-09	6.17E-09	8.34E-09

6707	436948.44	3762323.92	2.55E-08	8.04E-08	1.06E-07	3.97E-09	1.31E-08	1.71E-08	2.14E-09	6.09E-09	8.23E-09
6708	436952.12	3762314.99	2.52E-08	7.93E-08	1.04E-07	3.91E-09	1.30E-08	1.69E-08	2.11E-09	6.01E-09	8.12E-09
6709	436968.39	3762293.39	2.47E-08	7.77E-08	1.02E-07	3.83E-09	1.27E-08	1.65E-08	2.06E-09	5.88E-09	7.95E-09
6710	436995.1	3762282.18	2.51E-08	7.91E-08	1.04E-07	3.90E-09	1.29E-08	1.68E-08	2.10E-09	5.99E-09	8.09E-09
6711	437004.01	3762278.44	2.52E-08	7.94E-08	1.05E-07	3.92E-09	1.30E-08	1.69E-08	2.11E-09	6.02E-09	8.13E-09
6712	437012.91	3762274.7	2.53E-08	7.98E-08	1.05E-07	3.94E-09	1.30E-08	1.70E-08	2.12E-09	6.05E-09	8.17E-09
6713	437021.82	3762270.96	2.54E-08	8.01E-08	1.06E-07	3.95E-09	1.31E-08	1.70E-08	2.13E-09	6.07E-09	8.20E-09
6714	437030.72	3762267.23	2.55E-08	8.03E-08	1.06E-07	3.96E-09	1.31E-08	1.71E-08	2.14E-09	6.09E-09	8.22E-09
6715	437039.63	3762263.49	2.56E-08	8.05E-08	1.06E-07	3.97E-09	1.32E-08	1.71E-08	2.14E-09	6.10E-09	8.24E-09
6716	437048.53	3762259.75	2.56E-08	8.07E-08	1.06E-07	3.98E-09	1.32E-08	1.72E-08	2.14E-09	6.12E-09	8.26E-09
6717	437057.44	3762256.01	2.57E-08	8.08E-08	1.06E-07	3.99E-09	1.32E-08	1.72E-08	2.15E-09	6.12E-09	8.27E-09
6718	437066.34	3762252.27	2.57E-08	8.09E-08	1.07E-07	3.99E-09	1.32E-08	1.72E-08	2.15E-09	6.13E-09	8.28E-09
6719	437075.25	3762248.54	2.57E-08	8.09E-08	1.07E-07	3.99E-09	1.32E-08	1.72E-08	2.15E-09	6.13E-09	8.28E-09
6720	437084.15	3762244.8	2.57E-08	8.09E-08	1.07E-07	3.99E-09	1.32E-08	1.72E-08	2.15E-09	6.13E-09	8.28E-09
6721	437093.06	3762241.06	2.57E-08	8.08E-08	1.07E-07	3.99E-09	1.32E-08	1.72E-08	2.15E-09	6.13E-09	8.27E-09
6722	437101.96	3762237.32	2.56E-08	8.07E-08	1.06E-07	3.98E-09	1.32E-08	1.72E-08	2.15E-09	6.12E-09	8.26E-09
6723	437110.87	3762233.58	2.56E-08	8.06E-08	1.06E-07	3.98E-09	1.32E-08	1.71E-08	2.14E-09	6.11E-09	8.25E-09
6724	437119.77	3762229.85	2.55E-08	8.04E-08	1.06E-07	3.96E-09	1.31E-08	1.71E-08	2.14E-09	6.09E-09	8.23E-09
6725	437128.68	3762226.11	2.54E-08	8.01E-08	1.06E-07	3.95E-09	1.31E-08	1.70E-08	2.13E-09	6.07E-09	8.20E-09
6726	437137.58	3762222.37	2.53E-08	7.98E-08	1.05E-07	3.94E-09	1.30E-08	1.70E-08	2.12E-09	6.05E-09	8.17E-09
6727	437146.49	3762218.63	2.52E-08	7.95E-08	1.05E-07	3.92E-09	1.30E-08	1.69E-08	2.11E-09	6.02E-09	8.14E-09
6728	437155.39	3762214.89	2.51E-08	7.91E-08	1.04E-07	3.90E-09	1.29E-08	1.68E-08	2.10E-09	5.99E-09	8.10E-09
6729	437164.3	3762211.16	2.5E-08	7.87E-08	1.04E-07	3.88E-09	1.29E-08	1.67E-08	2.09E-09	5.96E-09	8.05E-09
6730	437173.2	3762207.42	2.48E-08	7.82E-08	1.03E-07	3.86E-09	1.28E-08	1.66E-08	2.08E-09	5.93E-09	8.01E-09
6731	437182.11	3762203.68	2.47E-08	7.77E-08	1.02E-07	3.84E-09	1.27E-08	1.65E-08	2.07E-09	5.89E-09	7.96E-09
6732	437191.01	3762199.94	2.45E-08	7.72E-08	1.02E-07	3.81E-09	1.26E-08	1.64E-08	2.05E-09	5.85E-09	7.90E-09
6733	437199.92	3762196.2	2.44E-08	7.67E-08	1.01E-07	3.78E-09	1.25E-08	1.63E-08	2.04E-09	5.81E-09	7.85E-09
6734	437208.83	3762192.47	2.42E-08	7.61E-08	1.00E-07	3.76E-09	1.24E-08	1.62E-08	2.02E-09	5.77E-09	7.79E-09
6735	437217.73	3762188.73	2.4E-08	7.56E-08	9.96E-08	3.73E-09	1.23E-08	1.61E-08	2.01E-09	5.73E-09	7.74E-09
6736	437226.64	3762184.99	2.38E-08	7.50E-08	9.88E-08	3.70E-09	1.23E-08	1.60E-08	1.99E-09	5.68E-09	7.68E-09
6737	437235.54	3762181.25	2.36E-08	7.44E-08	9.80E-08	3.67E-09	1.22E-08	1.58E-08	1.98E-09	5.64E-09	7.62E-09
6738	437244.45	3762177.51	2.34E-08	7.38E-08	9.73E-08	3.64E-09	1.21E-08	1.57E-08	1.96E-09	5.59E-09	7.56E-09
6739	437253.35	3762173.78	2.33E-08	7.32E-08	9.65E-08	3.61E-09	1.20E-08	1.56E-08	1.95E-09	5.55E-09	7.50E-09
6740	437262.26	3762170.04	2.31E-08	7.27E-08	9.58E-08	3.59E-09	1.19E-08	1.55E-08	1.93E-09	5.51E-09	7.44E-09
6741	437271.16	3762166.3	2.29E-08	7.21E-08	9.50E-08	3.56E-09	1.18E-08	1.53E-08	1.92E-09	5.47E-09	7.38E-09
6742	437280.07	3762162.56	2.27E-08	7.16E-08	9.43E-08	3.53E-09	1.17E-08	1.52E-08	1.90E-09	5.42E-09	7.33E-09
6743	437288.97	3762158.83	2.26E-08	7.10E-08	9.36E-08	3.50E-09	1.16E-08	1.51E-08	1.89E-09	5.38E-09	7.27E-09
6744	437297.88	3762155.09	2.24E-08	7.05E-08	9.29E-08	3.48E-09	1.15E-08	1.50E-08	1.87E-09	5.34E-09	7.21E-09
6745	437306.78	3762151.35	2.22E-08	6.99E-08	9.21E-08	3.45E-09	1.14E-08	1.49E-08	1.86E-09	5.30E-09	7.16E-09
6746	437315.69	3762147.61	2.2E-08	6.94E-08	9.15E-08	3.43E-09	1.13E-08	1.48E-08	1.85E-09	5.26E-09	7.11E-09
6747	437324.59	3762143.87	2.19E-08	6.89E-08	9.08E-08	3.40E-09	1.13E-08	1.47E-08	1.83E-09	5.22E-09	7.06E-09
6748	437333.5	3762140.14	2.17E-08	6.85E-08	9.02E-08	3.38E-09	1.12E-08	1.46E-08	1.82E-09	5.19E-09	7.01E-09
6749	437342.4	3762136.4	2.16E-08	6.80E-08	8.96E-08	3.36E-09	1.11E-08	1.45E-08	1.81E-09	5.15E-09	6.96E-09
6750	437351.31	3762132.66	2.15E-08	6.76E-08	8.91E-08	3.33E-09	1.10E-08	1.44E-08	1.80E-09	5.12E-09	6.92E-09
6751	436793.8	3762708.61	3.51E-08	1.11E-07	1.46E-07	5.46E-09	1.81E-08	2.35E-08	2.94E-09	8.39E-09	1.13E-08
6752	436793.8	3762718.3	3.54E-08	1.11E-07	1.47E-07	5.49E-09	1.82E-08	2.37E-08	2.96E-09	8.44E-09	1.14E-08
6753	436793.8	3762728	3.56E-08	1.12E-07	1.48E-07	5.52E-09	1.83E-08	2.38E-08	2.98E-09	8.48E-09	1.15E-08
6754	436793.8	3762737.69	3.57E-08	1.12E-07	1.48E-07	5.55E-09	1.84E-08	2.39E-08	2.99E-09	8.52E-09	1.15E-08
6755	436793.8	3762747.39	3.58E-08	1.13E-07	1.49E-07	5.57E-09	1.84E-08	2.40E-08	3.00E-09	8.55E-09	1.16E-08
6756	436793.8	3762757.09	3.59E-08	1.13E-07	1.49E-07	5.58E-09	1.85E-08	2.41E-08	3.01E-09	8.57E-09	1.16E-08
6757	436793.8	3762766.78	3.6E-08	1.13E-07	1.49E-07	5.59E-09	1.85E-08	2.41E-08	3.01E-09	8.58E-09	1.16E-08
6758	436793.8	3762776.48	3.6E-08	1.13E-07	1.49E-07	5.59E-09	1.85E-08	2.41E-08	3.01E-09	8.58E-09	1.16E-08
6759	436793.8	3762786.17	3.59E-08	1.13E-07	1.49E-07	5.58E-09	1.85E-08	2.41E-08	3.01E-09	8.57E-09	1.16E-08
6760	436793.8	3762795.87	3.59E-08	1.13E-07	1.49E-07	5.57E-09	1.85E-08	2.40E-08	3.00E-09	8.56E-09	1.16E-08
6761	436793.8	3762805.56	3.58E-08	1.13E-07	1.48E-07	5.56E-09	1.84E-08	2.40E-08	2.99E-09	8.54E-09	1.15E-08
6762	436793.8	3762815.26	3.57E-08	1.12E-07	1.48E-07	5.54E-09	1.83E-08	2.39E-08	2.98E-09	8.51E-09	1.15E-08
6763	436793.8	3762824.96	3.55E-08	1.12E-07	1.47E-07	5.52E-09	1.83E-08	2.38E-08	2.97E-09	8.47E-09	1.14E-08
6764	436793.8	3762834.65	3.53E-08	1.11E-07	1.47E-07	5.49E-09	1.82E-08	2.37E-08	2.96E-09	8.43E-09	1.14E-08
6765	436793.8	3762844.35	3.51E-08	1.11E-07	1.46E-07	5.46E-09	1.81E-08	2.35E-08	2.94E-09	8.38E-09	1.13E-08
6766	436793.8	3762854.04	3.49E-08	1.10E-07	1.45E-07	5.43E-09	1.80E-08	2.34E-08	2.92E-09	8.33E-09	1.13E-08
6767	436767.43	3762690.1	3.22E-08	1.01E-07	1.33E-07	5.00E-09	1.65E-08	2.15E-08	2.69E-09	7.67E-09	1.04E-08

6768	436771.07	3762681.29	3.22E-08	1.02E-07	1.34E-07	5.01E-09	1.66E-08	2.16E-08	2.70E-09	7.69E-09	1.04E-08
6769	436774.7	3762672.48	3.23E-08	1.02E-07	1.34E-07	5.02E-09	1.66E-08	2.16E-08	2.70E-09	7.70E-09	1.04E-08
6770	436778.33	3762663.67	3.23E-08	1.02E-07	1.34E-07	5.02E-09	1.66E-08	2.16E-08	2.70E-09	7.71E-09	1.04E-08
6771	436781.97	3762654.86	3.23E-08	1.02E-07	1.34E-07	5.02E-09	1.66E-08	2.16E-08	2.70E-09	7.71E-09	1.04E-08
6772	436785.6	3762646.04	3.23E-08	1.02E-07	1.34E-07	5.02E-09	1.66E-08	2.16E-08	2.70E-09	7.70E-09	1.04E-08
6773	436789.23	3762637.23	3.22E-08	1.02E-07	1.34E-07	5.01E-09	1.66E-08	2.16E-08	2.70E-09	7.69E-09	1.04E-08
6774	436792.87	3762628.42	3.22E-08	1.01E-07	1.33E-07	5.00E-09	1.65E-08	2.15E-08	2.69E-09	7.67E-09	1.04E-08
6775	436796.5	3762619.61	3.21E-08	1.01E-07	1.33E-07	4.98E-09	1.65E-08	2.15E-08	2.68E-09	7.65E-09	1.03E-08
6776	436800.13	3762610.8	3.19E-08	1.01E-07	1.32E-07	4.96E-09	1.64E-08	2.14E-08	2.67E-09	7.62E-09	1.03E-08
6777	436803.77	3762601.99	3.18E-08	1.00E-07	1.32E-07	4.94E-09	1.63E-08	2.13E-08	2.66E-09	7.58E-09	1.02E-08
6778	436807.4	3762593.18	3.16E-08	9.95E-08	1.31E-07	4.91E-09	1.63E-08	2.12E-08	2.64E-09	7.54E-09	1.02E-08
6779	436811.03	3762584.37	3.14E-08	9.88E-08	1.30E-07	4.88E-09	1.61E-08	2.10E-08	2.63E-09	7.49E-09	1.01E-08
6780	436814.67	3762575.56	3.12E-08	9.82E-08	1.29E-07	4.84E-09	1.60E-08	2.09E-08	2.61E-09	7.44E-09	1.00E-08
6781	436818.3	3762566.75	3.1E-08	9.75E-08	1.28E-07	4.81E-09	1.59E-08	2.07E-08	2.59E-09	7.39E-09	9.98E-09
6782	436821.93	3762557.93	3.07E-08	9.68E-08	1.28E-07	4.78E-09	1.58E-08	2.06E-08	2.57E-09	7.34E-09	9.91E-09
6783	436825.57	3762549.12	3.05E-08	9.61E-08	1.27E-07	4.74E-09	1.57E-08	2.04E-08	2.55E-09	7.28E-09	9.84E-09
6784	436829.2	3762540.31	3.03E-08	9.54E-08	1.26E-07	4.71E-09	1.56E-08	2.03E-08	2.54E-09	7.23E-09	9.76E-09
6785	436832.83	3762531.5	3.01E-08	9.47E-08	1.25E-07	4.67E-09	1.55E-08	2.01E-08	2.52E-09	7.18E-09	9.70E-09
6786	436836.47	3762522.69	2.99E-08	9.40E-08	1.24E-07	4.64E-09	1.54E-08	2.00E-08	2.50E-09	7.12E-09	9.62E-09
6787	436840.1	3762513.88	2.96E-08	9.33E-08	1.23E-07	4.60E-09	1.52E-08	1.98E-08	2.48E-09	7.07E-09	9.55E-09
6788	436843.73	3762505.07	2.94E-08	9.25E-08	1.22E-07	4.56E-09	1.51E-08	1.97E-08	2.46E-09	7.01E-09	9.47E-09
6789	436847.37	3762496.26	2.91E-08	9.17E-08	1.21E-07	4.53E-09	1.50E-08	1.95E-08	2.44E-09	6.95E-09	9.39E-09
6790	436851	3762487.45	2.89E-08	9.09E-08	1.20E-07	4.49E-09	1.49E-08	1.93E-08	2.42E-09	6.89E-09	9.31E-09
6791	436854.63	3762478.64	2.86E-08	9.02E-08	1.19E-07	4.45E-09	1.47E-08	1.92E-08	2.40E-09	6.83E-09	9.23E-09
6792	436858.27	3762469.82	2.84E-08	8.93E-08	1.18E-07	4.41E-09	1.46E-08	1.90E-08	2.37E-09	6.77E-09	9.14E-09
6793	436872.8	3762434.58	2.73E-08	8.61E-08	1.13E-07	4.25E-09	1.41E-08	1.83E-08	2.29E-09	6.52E-09	8.81E-09
6794	436876.43	3762425.77	2.71E-08	8.53E-08	1.12E-07	4.21E-09	1.39E-08	1.81E-08	2.27E-09	6.46E-09	8.73E-09
6795	436880.07	3762416.96	2.68E-08	8.45E-08	1.11E-07	4.17E-09	1.38E-08	1.80E-08	2.25E-09	6.40E-09	8.65E-09
6796	436883.7	3762408.15	2.66E-08	8.36E-08	1.10E-07	4.13E-09	1.37E-08	1.78E-08	2.22E-09	6.34E-09	8.56E-09
6797	436887.34	3762399.34	2.63E-08	8.28E-08	1.09E-07	4.09E-09	1.35E-08	1.76E-08	2.20E-09	6.28E-09	8.48E-09
6798	436890.97	3762390.53	2.6E-08	8.20E-08	1.08E-07	4.04E-09	1.34E-08	1.74E-08	2.18E-09	6.21E-09	8.39E-09
6799	436894.6	3762381.72	2.58E-08	8.12E-08	1.07E-07	4.01E-09	1.33E-08	1.73E-08	2.16E-09	6.16E-09	8.31E-09
6800	436898.24	3762372.9	2.56E-08	8.05E-08	1.06E-07	3.97E-09	1.31E-08	1.71E-08	2.14E-09	6.10E-09	8.24E-09
6801	436901.87	3762364.09	2.52E-08	7.94E-08	1.05E-07	3.92E-09	1.30E-08	1.69E-08	2.11E-09	6.02E-09	8.13E-09
6802	436905.5	3762355.28	2.5E-08	7.87E-08	1.04E-07	3.88E-09	1.29E-08	1.67E-08	2.09E-09	5.96E-09	8.05E-09
6803	436909.14	3762346.47	2.47E-08	7.79E-08	1.03E-07	3.84E-09	1.27E-08	1.66E-08	2.07E-09	5.90E-09	7.97E-09
6804	436912.77	3762337.66	2.45E-08	7.70E-08	1.02E-07	3.80E-09	1.26E-08	1.64E-08	2.05E-09	5.84E-09	7.89E-09
6805	436916.4	3762328.85	2.42E-08	7.62E-08	1.00E-07	3.76E-09	1.25E-08	1.62E-08	2.03E-09	5.78E-09	7.80E-09
6806	436920.04	3762320.04	2.39E-08	7.53E-08	9.93E-08	3.72E-09	1.23E-08	1.60E-08	2.00E-09	5.71E-09	7.71E-09
6807	436923.67	3762311.23	2.36E-08	7.44E-08	9.81E-08	3.67E-09	1.22E-08	1.58E-08	1.98E-09	5.64E-09	7.62E-09
6808	436927.3	3762302.42	2.33E-08	7.35E-08	9.69E-08	3.63E-09	1.20E-08	1.56E-08	1.95E-09	5.57E-09	7.52E-09
6809	436930.94	3762293.61	2.31E-08	7.26E-08	9.57E-08	3.58E-09	1.19E-08	1.54E-08	1.93E-09	5.50E-09	7.43E-09
6810	436934.57	3762284.79	2.28E-08	7.17E-08	9.45E-08	3.54E-09	1.17E-08	1.53E-08	1.91E-09	5.44E-09	7.34E-09
6811	436946.99	3762272.29	2.27E-08	7.13E-08	9.40E-08	3.52E-09	1.17E-08	1.52E-08	1.90E-09	5.41E-09	7.30E-09
6812	436982.14	3762257.54	2.32E-08	7.30E-08	9.62E-08	3.60E-09	1.19E-08	1.55E-08	1.94E-09	5.53E-09	7.47E-09
6813	436990.93	3762253.85	2.33E-08	7.33E-08	9.66E-08	3.62E-09	1.20E-08	1.56E-08	1.95E-09	5.55E-09	7.50E-09
6814	436999.72	3762250.16	2.34E-08	7.36E-08	9.70E-08	3.63E-09	1.20E-08	1.57E-08	1.96E-09	5.58E-09	7.53E-09
6815	437008.51	3762246.47	2.35E-08	7.39E-08	9.73E-08	3.64E-09	1.21E-08	1.57E-08	1.96E-09	5.60E-09	7.56E-09
6816	437017.29	3762242.78	2.35E-08	7.41E-08	9.76E-08	3.65E-09	1.21E-08	1.58E-08	1.97E-09	5.61E-09	7.58E-09
6817	437026.08	3762239.1	2.36E-08	7.42E-08	9.78E-08	3.66E-09	1.21E-08	1.58E-08	1.97E-09	5.63E-09	7.60E-09
6818	437034.87	3762235.41	2.36E-08	7.44E-08	9.80E-08	3.67E-09	1.21E-08	1.58E-08	1.98E-09	5.63E-09	7.61E-09
6819	437043.66	3762231.72	2.36E-08	7.44E-08	9.81E-08	3.67E-09	1.22E-08	1.58E-08	1.98E-09	5.64E-09	7.62E-09
6820	437052.45	3762228.03	2.36E-08	7.45E-08	9.81E-08	3.67E-09	1.22E-08	1.58E-08	1.98E-09	5.64E-09	7.62E-09
6821	437061.23	3762224.34	2.36E-08	7.45E-08	9.81E-08	3.67E-09	1.22E-08	1.58E-08	1.98E-09	5.64E-09	7.62E-09
6822	437070.02	3762220.65	2.36E-08	7.44E-08	9.80E-08	3.67E-09	1.22E-08	1.58E-08	1.98E-09	5.64E-09	7.62E-09
6823	437078.81	3762216.96	2.36E-08	7.43E-08	9.79E-08	3.67E-09	1.21E-08	1.58E-08	1.98E-09	5.63E-09	7.61E-09
6824	437087.6	3762213.27	2.36E-08	7.42E-08	9.78E-08	3.66E-09	1.21E-08	1.58E-08	1.97E-09	5.63E-09	7.60E-09
6825	437096.39	3762209.59	2.35E-08	7.41E-08	9.76E-08	3.66E-09	1.21E-08	1.58E-08	1.97E-09	5.61E-09	7.58E-09
6826	437105.17	3762205.9	2.35E-08	7.39E-08	9.74E-08	3.65E-09	1.21E-08	1.57E-08	1.96E-09	5.60E-09	7.56E-09
6827	437113.96	3762202.21	2.34E-08	7.37E-08	9.71E-08	3.63E-09	1.20E-08	1.57E-08	1.96E-09	5.58E-09	7.54E-09
6828	437122.75	3762198.52	2.33E-08	7.34E-08	9.67E-08	3.62E-09	1.20E-08	1.56E-08	1.95E-09	5.56E-09	7.51E-09

6829	437131.54	3762194.83	2.32E-08	7.31E-08	9.63E-08	3.61E-09	1.19E-08	1.55E-08	1.94E-09	5.54E-09	7.48E-09
6830	437140.32	3762191.14	2.31E-08	7.28E-08	9.59E-08	3.59E-09	1.19E-08	1.55E-08	1.93E-09	5.51E-09	7.45E-09
6831	437149.11	3762187.45	2.3E-08	7.24E-08	9.54E-08	3.57E-09	1.18E-08	1.54E-08	1.92E-09	5.49E-09	7.41E-09
6832	437157.9	3762183.76	2.29E-08	7.20E-08	9.49E-08	3.55E-09	1.18E-08	1.53E-08	1.91E-09	5.46E-09	7.37E-09
6833	437166.69	3762180.08	2.27E-08	7.16E-08	9.43E-08	3.53E-09	1.17E-08	1.52E-08	1.90E-09	5.42E-09	7.33E-09
6834	437175.48	3762176.39	2.26E-08	7.12E-08	9.37E-08	3.51E-09	1.16E-08	1.51E-08	1.89E-09	5.39E-09	7.28E-09
6835	437184.26	3762172.7	2.24E-08	7.07E-08	9.31E-08	3.49E-09	1.15E-08	1.50E-08	1.88E-09	5.36E-09	7.24E-09
6836	437193.05	3762169.01	2.23E-08	7.02E-08	9.25E-08	3.47E-09	1.15E-08	1.49E-08	1.87E-09	5.32E-09	7.19E-09
6837	437201.84	3762165.32	2.21E-08	6.97E-08	9.19E-08	3.44E-09	1.14E-08	1.48E-08	1.85E-09	5.28E-09	7.14E-09
6838	437210.63	3762161.63	2.2E-08	6.92E-08	9.12E-08	3.42E-09	1.13E-08	1.47E-08	1.84E-09	5.25E-09	7.09E-09
6839	437219.42	3762157.94	2.18E-08	6.87E-08	9.06E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.21E-09	7.04E-09
6840	437228.2	3762154.25	2.17E-08	6.82E-08	8.99E-08	3.37E-09	1.11E-08	1.45E-08	1.81E-09	5.17E-09	6.98E-09
6841	437236.99	3762150.56	2.15E-08	6.77E-08	8.92E-08	3.34E-09	1.11E-08	1.44E-08	1.80E-09	5.13E-09	6.93E-09
6842	437245.78	3762146.88	2.13E-08	6.72E-08	8.85E-08	3.31E-09	1.10E-08	1.43E-08	1.79E-09	5.09E-09	6.88E-09
6843	437254.57	3762143.19	2.12E-08	6.67E-08	8.78E-08	3.29E-09	1.09E-08	1.42E-08	1.77E-09	5.05E-09	6.82E-09
6844	437263.36	3762139.5	2.1E-08	6.62E-08	8.72E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.01E-09	6.77E-09
6845	437272.14	3762135.81	2.09E-08	6.57E-08	8.66E-08	3.24E-09	1.07E-08	1.40E-08	1.75E-09	4.98E-09	6.72E-09
6846	437280.93	3762132.12	2.07E-08	6.52E-08	8.59E-08	3.22E-09	1.07E-08	1.39E-08	1.73E-09	4.94E-09	6.67E-09
6847	437289.72	3762128.43	2.06E-08	6.47E-08	8.53E-08	3.19E-09	1.06E-08	1.38E-08	1.72E-09	4.90E-09	6.63E-09
6848	437298.51	3762124.74	2.04E-08	6.43E-08	8.47E-08	3.17E-09	1.05E-08	1.37E-08	1.71E-09	4.87E-09	6.58E-09
6849	437307.3	3762121.05	2.03E-08	6.38E-08	8.41E-08	3.15E-09	1.04E-08	1.36E-08	1.70E-09	4.84E-09	6.53E-09
6850	437316.08	3762117.37	2.01E-08	6.34E-08	8.35E-08	3.13E-09	1.04E-08	1.35E-08	1.69E-09	4.80E-09	6.49E-09
6851	437324.87	3762113.68	2E-08	6.30E-08	8.30E-08	3.11E-09	1.03E-08	1.34E-08	1.67E-09	4.77E-09	6.45E-09
6852	437333.66	3762109.99	1.99E-08	6.26E-08	8.25E-08	3.09E-09	1.02E-08	1.33E-08	1.66E-09	4.74E-09	6.41E-09
6853	437342.45	3762106.3	1.98E-08	6.22E-08	8.20E-08	3.07E-09	1.02E-08	1.32E-08	1.65E-09	4.71E-09	6.37E-09
6854	437351.23	3762102.61	1.96E-08	6.19E-08	8.15E-08	3.05E-09	1.01E-08	1.32E-08	1.64E-09	4.69E-09	6.33E-09
6855	436763.8	3762698.91	3.21E-08	1.01E-07	1.33E-07	4.98E-09	1.65E-08	2.15E-08	2.68E-09	7.65E-09	1.03E-08
6856	436763.8	3762708.61	3.23E-08	1.02E-07	1.34E-07	5.01E-09	1.66E-08	2.16E-08	2.70E-09	7.70E-09	1.04E-08
6857	436763.8	3762718.3	3.24E-08	1.02E-07	1.35E-07	5.04E-09	1.67E-08	2.17E-08	2.71E-09	7.74E-09	1.05E-08
6858	436763.8	3762728	3.26E-08	1.03E-07	1.35E-07	5.06E-09	1.68E-08	2.18E-08	2.73E-09	7.78E-09	1.05E-08
6859	436763.8	3762737.69	3.27E-08	1.03E-07	1.36E-07	5.08E-09	1.68E-08	2.19E-08	2.74E-09	7.81E-09	1.05E-08
6860	436763.8	3762747.39	3.28E-08	1.03E-07	1.36E-07	5.10E-09	1.69E-08	2.20E-08	2.75E-09	7.83E-09	1.06E-08
6861	436763.8	3762757.09	3.29E-08	1.03E-07	1.36E-07	5.11E-09	1.69E-08	2.20E-08	2.75E-09	7.84E-09	1.06E-08
6862	436763.8	3762766.78	3.29E-08	1.04E-07	1.36E-07	5.11E-09	1.69E-08	2.20E-08	2.75E-09	7.85E-09	1.06E-08
6863	436763.8	3762776.48	3.29E-08	1.04E-07	1.36E-07	5.11E-09	1.69E-08	2.20E-08	2.75E-09	7.85E-09	1.06E-08
6864	436763.8	3762786.17	3.28E-08	1.03E-07	1.36E-07	5.10E-09	1.69E-08	2.20E-08	2.75E-09	7.84E-09	1.06E-08
6865	436763.8	3762795.87	3.28E-08	1.03E-07	1.36E-07	5.10E-09	1.69E-08	2.20E-08	2.74E-09	7.83E-09	1.06E-08
6866	436763.8	3762805.56	3.27E-08	1.03E-07	1.36E-07	5.08E-09	1.68E-08	2.19E-08	2.74E-09	7.81E-09	1.05E-08
6867	436763.8	3762815.26	3.26E-08	1.03E-07	1.35E-07	5.07E-09	1.68E-08	2.18E-08	2.73E-09	7.78E-09	1.05E-08
6868	436763.8	3762824.96	3.25E-08	1.02E-07	1.35E-07	5.05E-09	1.67E-08	2.18E-08	2.72E-09	7.75E-09	1.05E-08
6869	436763.8	3762834.65	3.23E-08	1.02E-07	1.34E-07	5.02E-09	1.66E-08	2.17E-08	2.71E-09	7.71E-09	1.04E-08
6870	436763.8	3762844.35	3.21E-08	1.01E-07	1.33E-07	5.00E-09	1.65E-08	2.15E-08	2.69E-09	7.67E-09	1.04E-08
6871	436763.8	3762854.04	3.2E-08	1.01E-07	1.33E-07	4.97E-09	1.64E-08	2.14E-08	2.67E-09	7.63E-09	1.03E-08
6872	436727.45	3762690.06	2.89E-08	9.11E-08	1.20E-07	4.49E-09	1.49E-08	1.94E-08	2.42E-09	6.90E-09	9.32E-09
6873	436731.1	3762681.22	2.9E-08	9.13E-08	1.20E-07	4.50E-09	1.49E-08	1.94E-08	2.43E-09	6.92E-09	9.35E-09
6874	436734.74	3762672.37	2.9E-08	9.15E-08	1.21E-07	4.51E-09	1.49E-08	1.95E-08	2.43E-09	6.93E-09	9.36E-09
6875	436738.39	3762663.53	2.91E-08	9.16E-08	1.21E-07	4.52E-09	1.50E-08	1.95E-08	2.43E-09	6.94E-09	9.37E-09
6876	436742.04	3762654.68	2.91E-08	9.16E-08	1.21E-07	4.52E-09	1.50E-08	1.95E-08	2.43E-09	6.94E-09	9.38E-09
6877	436745.69	3762645.84	2.91E-08	9.16E-08	1.21E-07	4.52E-09	1.50E-08	1.95E-08	2.43E-09	6.94E-09	9.37E-09
6878	436749.33	3762636.99	2.9E-08	9.15E-08	1.21E-07	4.51E-09	1.49E-08	1.95E-08	2.43E-09	6.93E-09	9.36E-09
6879	436752.98	3762628.15	2.9E-08	9.13E-08	1.20E-07	4.50E-09	1.49E-08	1.94E-08	2.43E-09	6.92E-09	9.34E-09
6880	436756.63	3762619.3	2.89E-08	9.10E-08	1.20E-07	4.49E-09	1.49E-08	1.94E-08	2.42E-09	6.90E-09	9.32E-09
6881	436760.28	3762610.45	2.88E-08	9.07E-08	1.20E-07	4.48E-09	1.48E-08	1.93E-08	2.41E-09	6.87E-09	9.29E-09
6882	436763.92	3762601.61	2.87E-08	9.04E-08	1.19E-07	4.46E-09	1.48E-08	1.92E-08	2.40E-09	6.85E-09	9.25E-09
6883	436767.57	3762592.76	2.86E-08	9.00E-08	1.19E-07	4.44E-09	1.47E-08	1.91E-08	2.39E-09	6.82E-09	9.21E-09
6884	436771.22	3762583.92	2.84E-08	8.95E-08	1.18E-07	4.42E-09	1.46E-08	1.90E-08	2.38E-09	6.78E-09	9.16E-09
6885	436774.87	3762575.07	2.83E-08	8.90E-08	1.17E-07	4.39E-09	1.45E-08	1.89E-08	2.37E-09	6.74E-09	9.11E-09
6886	436778.51	3762566.23	2.81E-08	8.84E-08	1.17E-07	4.36E-09	1.44E-08	1.88E-08	2.35E-09	6.70E-09	9.05E-09
6887	436782.16	3762557.38	2.79E-08	8.79E-08	1.16E-07	4.33E-09	1.44E-08	1.87E-08	2.34E-09	6.66E-09	8.99E-09
6888	436785.81	3762548.54	2.77E-08	8.73E-08	1.15E-07	4.30E-09	1.43E-08	1.86E-08	2.32E-09	6.61E-09	8.93E-09
6889	436789.46	3762539.69	2.75E-08	8.66E-08	1.14E-07	4.27E-09	1.42E-08	1.84E-08	2.30E-09	6.56E-09	8.87E-09

6890	436793.11	3762530.85	2.73E-08	8.60E-08	1.13E-07	4.24E-09	1.40E-08	1.83E-08	2.29E-09	6.52E-09	8.80E-09
6891	436796.75	3762522	2.71E-08	8.53E-08	1.12E-07	4.21E-09	1.39E-08	1.82E-08	2.27E-09	6.47E-09	8.74E-09
6892	436800.4	3762513.15	2.69E-08	8.47E-08	1.12E-07	4.18E-09	1.38E-08	1.80E-08	2.25E-09	6.42E-09	8.67E-09
6893	436804.05	3762504.31	2.67E-08	8.40E-08	1.11E-07	4.15E-09	1.37E-08	1.79E-08	2.23E-09	6.37E-09	8.60E-09
6894	436807.7	3762495.46	2.65E-08	8.33E-08	1.10E-07	4.11E-09	1.36E-08	1.77E-08	2.22E-09	6.32E-09	8.53E-09
6895	436811.34	3762486.62	2.63E-08	8.27E-08	1.09E-07	4.08E-09	1.35E-08	1.76E-08	2.20E-09	6.26E-09	8.46E-09
6896	436814.99	3762477.77	2.6E-08	8.20E-08	1.08E-07	4.05E-09	1.34E-08	1.74E-08	2.18E-09	6.21E-09	8.39E-09
6897	436818.64	3762468.93	2.58E-08	8.13E-08	1.07E-07	4.01E-09	1.33E-08	1.73E-08	2.16E-09	6.16E-09	8.33E-09
6898	436822.29	3762460.08	2.56E-08	8.07E-08	1.06E-07	3.98E-09	1.32E-08	1.72E-08	2.14E-09	6.11E-09	8.26E-09
6899	436840.52	3762415.85	2.45E-08	7.72E-08	1.02E-07	3.81E-09	1.26E-08	1.64E-08	2.05E-09	5.85E-09	7.90E-09
6900	436844.17	3762407.01	2.43E-08	7.65E-08	1.01E-07	3.77E-09	1.25E-08	1.63E-08	2.03E-09	5.80E-09	7.83E-09
6901	436847.82	3762398.16	2.41E-08	7.58E-08	9.98E-08	3.74E-09	1.24E-08	1.61E-08	2.01E-09	5.74E-09	7.75E-09
6902	436851.47	3762389.32	2.38E-08	7.50E-08	9.89E-08	3.70E-09	1.23E-08	1.60E-08	1.99E-09	5.69E-09	7.68E-09
6903	436855.11	3762380.47	2.36E-08	7.44E-08	9.80E-08	3.67E-09	1.21E-08	1.58E-08	1.98E-09	5.63E-09	7.61E-09
6904	436858.76	3762371.63	2.34E-08	7.37E-08	9.71E-08	3.64E-09	1.20E-08	1.57E-08	1.96E-09	5.58E-09	7.54E-09
6905	436862.41	3762362.78	2.31E-08	7.27E-08	9.57E-08	3.58E-09	1.19E-08	1.55E-08	1.93E-09	5.51E-09	7.44E-09
6906	436866.06	3762353.93	2.29E-08	7.20E-08	9.49E-08	3.55E-09	1.18E-08	1.53E-08	1.91E-09	5.46E-09	7.37E-09
6907	436869.71	3762345.09	2.27E-08	7.14E-08	9.40E-08	3.52E-09	1.17E-08	1.52E-08	1.90E-09	5.41E-09	7.30E-09
6908	436873.35	3762336.24	2.24E-08	7.07E-08	9.31E-08	3.49E-09	1.15E-08	1.50E-08	1.88E-09	5.36E-09	7.23E-09
6909	436877	3762327.4	2.22E-08	7.00E-08	9.22E-08	3.45E-09	1.14E-08	1.49E-08	1.86E-09	5.30E-09	7.17E-09
6910	436880.65	3762318.55	2.2E-08	6.94E-08	9.14E-08	3.42E-09	1.13E-08	1.48E-08	1.84E-09	5.26E-09	7.10E-09
6911	436884.3	3762309.71	2.18E-08	6.87E-08	9.05E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.21E-09	7.03E-09
6912	436887.94	3762300.86	2.16E-08	6.80E-08	8.96E-08	3.36E-09	1.11E-08	1.45E-08	1.81E-09	5.16E-09	6.96E-09
6913	436891.59	3762292.02	2.14E-08	6.74E-08	8.87E-08	3.32E-09	1.10E-08	1.43E-08	1.79E-09	5.10E-09	6.89E-09
6914	436895.24	3762283.17	2.12E-08	6.67E-08	8.78E-08	3.29E-09	1.09E-08	1.42E-08	1.77E-09	5.05E-09	6.82E-09
6915	436898.89	3762274.32	2.09E-08	6.60E-08	8.69E-08	3.25E-09	1.08E-08	1.40E-08	1.75E-09	5.00E-09	6.75E-09
6916	436902.53	3762265.48	2.07E-08	6.52E-08	8.60E-08	3.22E-09	1.07E-08	1.39E-08	1.73E-09	4.94E-09	6.68E-09
6917	436906.18	3762256.63	2.05E-08	6.45E-08	8.50E-08	3.18E-09	1.05E-08	1.37E-08	1.71E-09	4.89E-09	6.60E-09
6918	436918.65	3762244.09	2.04E-08	6.42E-08	8.46E-08	3.17E-09	1.05E-08	1.37E-08	1.71E-09	4.86E-09	6.57E-09
6919	436953.94	3762229.27	2.08E-08	6.56E-08	8.64E-08	3.23E-09	1.07E-08	1.39E-08	1.74E-09	4.97E-09	6.71E-09
6920	436962.76	3762225.57	2.09E-08	6.58E-08	8.67E-08	3.25E-09	1.08E-08	1.40E-08	1.75E-09	4.99E-09	6.74E-09
6921	436971.59	3762221.87	2.1E-08	6.61E-08	8.71E-08	3.26E-09	1.08E-08	1.41E-08	1.76E-09	5.01E-09	6.76E-09
6922	436980.41	3762218.16	2.1E-08	6.63E-08	8.73E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.02E-09	6.78E-09
6923	436989.23	3762214.46	2.11E-08	6.65E-08	8.76E-08	3.28E-09	1.09E-08	1.41E-08	1.77E-09	5.04E-09	6.81E-09
6924	436998.05	3762210.76	2.12E-08	6.67E-08	8.78E-08	3.29E-09	1.09E-08	1.42E-08	1.77E-09	5.05E-09	6.82E-09
6925	437006.88	3762207.05	2.12E-08	6.68E-08	8.80E-08	3.30E-09	1.09E-08	1.42E-08	1.78E-09	5.06E-09	6.84E-09
6926	437015.7	3762203.35	2.13E-08	6.69E-08	8.82E-08	3.30E-09	1.09E-08	1.42E-08	1.78E-09	5.07E-09	6.85E-09
6927	437024.52	3762199.65	2.13E-08	6.70E-08	8.82E-08	3.30E-09	1.09E-08	1.42E-08	1.78E-09	5.08E-09	6.86E-09
6928	437033.34	3762195.94	2.13E-08	6.70E-08	8.83E-08	3.31E-09	1.09E-08	1.43E-08	1.78E-09	5.08E-09	6.86E-09
6929	437042.17	3762192.24	2.13E-08	6.70E-08	8.83E-08	3.31E-09	1.09E-08	1.43E-08	1.78E-09	5.08E-09	6.86E-09
6930	437050.99	3762188.54	2.13E-08	6.69E-08	8.82E-08	3.30E-09	1.09E-08	1.42E-08	1.78E-09	5.07E-09	6.85E-09
6931	437059.81	3762184.83	2.12E-08	6.69E-08	8.81E-08	3.30E-09	1.09E-08	1.42E-08	1.78E-09	5.07E-09	6.84E-09
6932	437068.63	3762181.13	2.12E-08	6.67E-08	8.79E-08	3.29E-09	1.09E-08	1.42E-08	1.77E-09	5.06E-09	6.83E-09
6933	437077.45	3762177.43	2.11E-08	6.66E-08	8.77E-08	3.29E-09	1.09E-08	1.42E-08	1.77E-09	5.05E-09	6.82E-09
6934	437086.28	3762173.72	2.11E-08	6.64E-08	8.75E-08	3.28E-09	1.08E-08	1.41E-08	1.77E-09	5.03E-09	6.80E-09
6935	437095.1	3762170.02	2.1E-08	6.62E-08	8.72E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.02E-09	6.78E-09
6936	437103.92	3762166.32	2.1E-08	6.60E-08	8.70E-08	3.26E-09	1.08E-08	1.40E-08	1.75E-09	5.00E-09	6.75E-09
6937	437112.74	3762162.61	2.09E-08	6.57E-08	8.66E-08	3.24E-09	1.07E-08	1.40E-08	1.75E-09	4.98E-09	6.73E-09
6938	437121.57	3762158.91	2.08E-08	6.54E-08	8.62E-08	3.23E-09	1.07E-08	1.39E-08	1.74E-09	4.96E-09	6.70E-09
6939	437130.39	3762155.21	2.07E-08	6.51E-08	8.58E-08	3.21E-09	1.06E-08	1.39E-08	1.73E-09	4.94E-09	6.67E-09
6940	437139.21	3762151.5	2.06E-08	6.48E-08	8.54E-08	3.20E-09	1.06E-08	1.38E-08	1.72E-09	4.91E-09	6.63E-09
6941	437148.03	3762147.8	2.05E-08	6.44E-08	8.49E-08	3.18E-09	1.05E-08	1.37E-08	1.71E-09	4.88E-09	6.60E-09
6942	437156.86	3762144.1	2.03E-08	6.41E-08	8.44E-08	3.16E-09	1.05E-08	1.36E-08	1.70E-09	4.85E-09	6.56E-09
6943	437165.68	3762140.39	2.02E-08	6.37E-08	8.39E-08	3.14E-09	1.04E-08	1.35E-08	1.69E-09	4.83E-09	6.52E-09
6944	437174.5	3762136.69	2.01E-08	6.33E-08	8.34E-08	3.12E-09	1.03E-08	1.35E-08	1.68E-09	4.80E-09	6.48E-09
6945	437183.32	3762132.99	2E-08	6.29E-08	8.29E-08	3.10E-09	1.03E-08	1.34E-08	1.67E-09	4.77E-09	6.44E-09
6946	437192.15	3762129.28	1.98E-08	6.25E-08	8.23E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.73E-09	6.39E-09
6947	437200.97	3762125.58	1.97E-08	6.20E-08	8.17E-08	3.06E-09	1.01E-08	1.32E-08	1.65E-09	4.70E-09	6.35E-09
6948	437209.79	3762121.88	1.96E-08	6.16E-08	8.11E-08	3.04E-09	1.01E-08	1.31E-08	1.64E-09	4.67E-09	6.30E-09
6949	437218.61	3762118.17	1.94E-08	6.11E-08	8.06E-08	3.02E-09	9.99E-09	1.30E-08	1.63E-09	4.63E-09	6.26E-09
6950	437227.44	3762114.47	1.93E-08	6.07E-08	7.99E-08	2.99E-09	9.91E-09	1.29E-08	1.61E-09	4.60E-09	6.21E-09

6951	437236.26	3762110.77	1.91E-08	6.02E-08	7.94E-08	2.97E-09	9.84E-09	1.28E-08	1.60E-09	4.56E-09	6.17E-09
6952	437245.08	3762107.06	1.9E-08	5.98E-08	7.88E-08	2.95E-09	9.77E-09	1.27E-08	1.59E-09	4.53E-09	6.12E-09
6953	437253.9	3762103.36	1.88E-08	5.93E-08	7.82E-08	2.93E-09	9.70E-09	1.26E-08	1.58E-09	4.50E-09	6.07E-09
6954	437262.72	3762099.66	1.87E-08	5.89E-08	7.76E-08	2.91E-09	9.63E-09	1.25E-08	1.57E-09	4.47E-09	6.03E-09
6955	437271.55	3762095.96	1.86E-08	5.85E-08	7.71E-08	2.89E-09	9.56E-09	1.24E-08	1.56E-09	4.43E-09	5.99E-09
6956	437280.37	3762092.25	1.85E-08	5.81E-08	7.66E-08	2.87E-09	9.49E-09	1.24E-08	1.54E-09	4.40E-09	5.95E-09
6957	437289.19	3762088.55	1.83E-08	5.77E-08	7.61E-08	2.85E-09	9.43E-09	1.23E-08	1.53E-09	4.37E-09	5.91E-09
6958	436723.8	3762698.91	2.88E-08	9.07E-08	1.20E-07	4.48E-09	1.48E-08	1.93E-08	2.41E-09	6.87E-09	9.28E-09
6959	436723.8	3762708.61	2.9E-08	9.12E-08	1.20E-07	4.50E-09	1.49E-08	1.94E-08	2.42E-09	6.91E-09	9.33E-09
6960	436723.8	3762718.3	2.91E-08	9.16E-08	1.21E-07	4.52E-09	1.50E-08	1.95E-08	2.44E-09	6.94E-09	9.38E-09
6961	436723.8	3762728	2.92E-08	9.20E-08	1.21E-07	4.54E-09	1.50E-08	1.96E-08	2.44E-09	6.97E-09	9.41E-09
6962	436723.8	3762737.69	2.93E-08	9.22E-08	1.21E-07	4.55E-09	1.51E-08	1.96E-08	2.45E-09	6.99E-09	9.44E-09
6963	436723.8	3762747.39	2.93E-08	9.24E-08	1.22E-07	4.56E-09	1.51E-08	1.97E-08	2.46E-09	7.00E-09	9.46E-09
6964	436723.8	3762757.09	2.94E-08	9.25E-08	1.22E-07	4.56E-09	1.51E-08	1.97E-08	2.46E-09	7.01E-09	9.47E-09
6965	436723.8	3762766.78	2.94E-08	9.26E-08	1.22E-07	4.57E-09	1.51E-08	1.97E-08	2.46E-09	7.01E-09	9.47E-09
6966	436723.8	3762776.48	2.94E-08	9.25E-08	1.22E-07	4.56E-09	1.51E-08	1.97E-08	2.46E-09	7.01E-09	9.47E-09
6967	436723.8	3762786.17	2.93E-08	9.24E-08	1.22E-07	4.56E-09	1.51E-08	1.97E-08	2.46E-09	7.00E-09	9.46E-09
6968	436723.8	3762795.87	2.93E-08	9.22E-08	1.22E-07	4.55E-09	1.51E-08	1.96E-08	2.45E-09	6.99E-09	9.44E-09
6969	436723.8	3762805.56	2.92E-08	9.20E-08	1.21E-07	4.54E-09	1.50E-08	1.96E-08	2.45E-09	6.97E-09	9.42E-09
6970	436723.8	3762815.26	2.91E-08	9.17E-08	1.21E-07	4.53E-09	1.50E-08	1.95E-08	2.44E-09	6.95E-09	9.39E-09
6971	436723.8	3762824.96	2.9E-08	9.14E-08	1.20E-07	4.51E-09	1.49E-08	1.94E-08	2.43E-09	6.92E-09	9.35E-09
6972	436723.8	3762834.65	2.89E-08	9.10E-08	1.20E-07	4.49E-09	1.49E-08	1.93E-08	2.42E-09	6.89E-09	9.31E-09
6973	436723.8	3762844.35	2.87E-08	9.05E-08	1.19E-07	4.47E-09	1.48E-08	1.93E-08	2.41E-09	6.86E-09	9.26E-09
6974	436723.8	3762854.04	2.86E-08	9.00E-08	1.19E-07	4.44E-09	1.47E-08	1.91E-08	2.39E-09	6.82E-09	9.21E-09
6975	436687.46	3762690.03	2.61E-08	8.23E-08	1.08E-07	4.06E-09	1.34E-08	1.75E-08	2.19E-09	6.24E-09	8.43E-09
6976	436691.12	3762681.16	2.62E-08	8.26E-08	1.09E-07	4.07E-09	1.35E-08	1.76E-08	2.19E-09	6.26E-09	8.45E-09
6977	436694.78	3762672.28	2.63E-08	8.28E-08	1.09E-07	4.08E-09	1.35E-08	1.76E-08	2.20E-09	6.27E-09	8.47E-09
6978	436698.44	3762663.41	2.63E-08	8.29E-08	1.09E-07	4.09E-09	1.35E-08	1.76E-08	2.20E-09	6.28E-09	8.49E-09
6979	436702.1	3762654.53	2.64E-08	8.30E-08	1.09E-07	4.10E-09	1.36E-08	1.77E-08	2.21E-09	6.29E-09	8.50E-09
6980	436705.76	3762645.65	2.64E-08	8.30E-08	1.09E-07	4.10E-09	1.36E-08	1.77E-08	2.21E-09	6.29E-09	8.50E-09
6981	436709.42	3762636.78	2.63E-08	8.30E-08	1.09E-07	4.09E-09	1.36E-08	1.76E-08	2.21E-09	6.29E-09	8.49E-09
6982	436713.08	3762627.9	2.63E-08	8.29E-08	1.09E-07	4.09E-09	1.35E-08	1.76E-08	2.20E-09	6.28E-09	8.48E-09
6983	436716.74	3762619.02	2.62E-08	8.27E-08	1.09E-07	4.08E-09	1.35E-08	1.76E-08	2.20E-09	6.26E-09	8.46E-09
6984	436720.4	3762610.15	2.62E-08	8.24E-08	1.09E-07	4.07E-09	1.35E-08	1.75E-08	2.19E-09	6.25E-09	8.44E-09
6985	436724.06	3762601.27	2.61E-08	8.21E-08	1.08E-07	4.05E-09	1.34E-08	1.75E-08	2.18E-09	6.22E-09	8.41E-09
6986	436727.72	3762592.4	2.6E-08	8.18E-08	1.08E-07	4.03E-09	1.34E-08	1.74E-08	2.17E-09	6.20E-09	8.37E-09
6987	436731.38	3762583.52	2.58E-08	8.14E-08	1.07E-07	4.02E-09	1.33E-08	1.73E-08	2.16E-09	6.17E-09	8.33E-09
6988	436735.04	3762574.64	2.57E-08	8.10E-08	1.07E-07	4.00E-09	1.32E-08	1.72E-08	2.15E-09	6.14E-09	8.29E-09
6989	436738.7	3762565.77	2.56E-08	8.05E-08	1.06E-07	3.97E-09	1.32E-08	1.71E-08	2.14E-09	6.10E-09	8.24E-09
6990	436742.36	3762556.89	2.54E-08	8.01E-08	1.05E-07	3.95E-09	1.31E-08	1.70E-08	2.13E-09	6.07E-09	8.19E-09
6991	436746.03	3762548.01	2.53E-08	7.96E-08	1.05E-07	3.93E-09	1.30E-08	1.69E-08	2.11E-09	6.03E-09	8.14E-09
6992	436749.69	3762539.14	2.51E-08	7.91E-08	1.04E-07	3.90E-09	1.29E-08	1.68E-08	2.10E-09	5.99E-09	8.09E-09
6993	436753.35	3762530.26	2.49E-08	7.85E-08	1.03E-07	3.87E-09	1.28E-08	1.67E-08	2.09E-09	5.95E-09	8.04E-09
6994	436757.01	3762521.39	2.48E-08	7.79E-08	1.03E-07	3.85E-09	1.27E-08	1.66E-08	2.07E-09	5.91E-09	7.98E-09
6995	436760.67	3762512.51	2.46E-08	7.74E-08	1.02E-07	3.82E-09	1.26E-08	1.65E-08	2.06E-09	5.86E-09	7.92E-09
6996	436764.33	3762503.63	2.44E-08	7.68E-08	1.01E-07	3.79E-09	1.25E-08	1.63E-08	2.04E-09	5.82E-09	7.86E-09
6997	436767.99	3762494.76	2.42E-08	7.62E-08	1.00E-07	3.76E-09	1.24E-08	1.62E-08	2.02E-09	5.77E-09	7.80E-09
6998	436771.65	3762485.88	2.4E-08	7.56E-08	9.96E-08	3.73E-09	1.23E-08	1.61E-08	2.01E-09	5.73E-09	7.74E-09
6999	436775.31	3762477	2.38E-08	7.50E-08	9.88E-08	3.70E-09	1.23E-08	1.60E-08	1.99E-09	5.68E-09	7.68E-09
7000	436778.97	3762468.13	2.36E-08	7.44E-08	9.80E-08	3.67E-09	1.22E-08	1.58E-08	1.98E-09	5.64E-09	7.62E-09
7001	436782.63	3762459.25	2.34E-08	7.38E-08	9.73E-08	3.64E-09	1.21E-08	1.57E-08	1.96E-09	5.60E-09	7.56E-09
7002	436786.29	3762450.38	2.33E-08	7.33E-08	9.65E-08	3.62E-09	1.20E-08	1.56E-08	1.95E-09	5.55E-09	7.50E-09
7003	436789.95	3762441.5	2.31E-08	7.27E-08	9.58E-08	3.59E-09	1.19E-08	1.55E-08	1.93E-09	5.51E-09	7.44E-09
7004	436793.61	3762432.62	2.29E-08	7.21E-08	9.51E-08	3.56E-09	1.18E-08	1.53E-08	1.92E-09	5.47E-09	7.38E-09
7005	436811.91	3762388.24	2.2E-08	6.92E-08	9.12E-08	3.42E-09	1.13E-08	1.47E-08	1.84E-09	5.25E-09	7.09E-09
7006	436815.57	3762379.37	2.18E-08	6.87E-08	9.05E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.20E-09	7.03E-09
7007	436819.23	3762370.49	2.16E-08	6.81E-08	8.97E-08	3.36E-09	1.11E-08	1.45E-08	1.81E-09	5.16E-09	6.97E-09
7008	436822.89	3762361.61	2.14E-08	6.75E-08	8.89E-08	3.33E-09	1.10E-08	1.44E-08	1.79E-09	5.11E-09	6.91E-09
7009	436826.55	3762352.74	2.12E-08	6.69E-08	8.81E-08	3.30E-09	1.09E-08	1.42E-08	1.78E-09	5.07E-09	6.84E-09
7010	436830.21	3762343.86	2.1E-08	6.62E-08	8.72E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.02E-09	6.78E-09
7011	436833.87	3762334.98	2.08E-08	6.56E-08	8.64E-08	3.24E-09	1.07E-08	1.40E-08	1.74E-09	4.97E-09	6.71E-09

7012	436837.53	3762326.11	2.06E-08	6.50E-08	8.56E-08	3.21E-09	1.06E-08	1.38E-08	1.73E-09	4.93E-09	6.65E-09
7013	436841.19	3762317.23	2.05E-08	6.44E-08	8.49E-08	3.18E-09	1.05E-08	1.37E-08	1.71E-09	4.88E-09	6.59E-09
7014	436844.85	3762308.36	2.03E-08	6.39E-08	8.41E-08	3.15E-09	1.04E-08	1.36E-08	1.70E-09	4.84E-09	6.54E-09
7015	436848.51	3762299.48	2.01E-08	6.33E-08	8.34E-08	3.12E-09	1.03E-08	1.35E-08	1.68E-09	4.79E-09	6.48E-09
7016	436852.17	3762290.6	1.99E-08	6.27E-08	8.26E-08	3.09E-09	1.02E-08	1.33E-08	1.67E-09	4.75E-09	6.42E-09
7017	436855.83	3762281.73	1.97E-08	6.21E-08	8.19E-08	3.07E-09	1.01E-08	1.32E-08	1.65E-09	4.71E-09	6.36E-09
7018	436859.49	3762272.85	1.95E-08	6.16E-08	8.11E-08	3.04E-09	1.01E-08	1.31E-08	1.64E-09	4.66E-09	6.30E-09
7019	436863.15	3762263.97	1.94E-08	6.10E-08	8.03E-08	3.01E-09	9.96E-09	1.30E-08	1.62E-09	4.62E-09	6.24E-09
7020	436866.82	3762255.1	1.92E-08	6.04E-08	7.95E-08	2.98E-09	9.86E-09	1.28E-08	1.60E-09	4.57E-09	6.18E-09
7021	436870.48	3762246.22	1.9E-08	5.97E-08	7.87E-08	2.95E-09	9.76E-09	1.27E-08	1.59E-09	4.53E-09	6.11E-09
7022	436874.14	3762237.35	1.88E-08	5.91E-08	7.79E-08	2.92E-09	9.66E-09	1.26E-08	1.57E-09	4.48E-09	6.05E-09
7023	436877.8	3762228.47	1.85E-08	5.84E-08	7.70E-08	2.88E-09	9.54E-09	1.24E-08	1.55E-09	4.43E-09	5.98E-09
7024	436890.31	3762215.88	1.84E-08	5.80E-08	7.64E-08	2.86E-09	9.48E-09	1.23E-08	1.54E-09	4.40E-09	5.94E-09
7025	436925.72	3762201.01	1.88E-08	5.92E-08	7.80E-08	2.92E-09	9.67E-09	1.26E-08	1.57E-09	4.48E-09	6.06E-09
7026	436934.57	3762197.3	1.89E-08	5.94E-08	7.83E-08	2.93E-09	9.70E-09	1.26E-08	1.58E-09	4.50E-09	6.08E-09
7027	436943.43	3762193.58	1.89E-08	5.96E-08	7.86E-08	2.94E-09	9.74E-09	1.27E-08	1.58E-09	4.52E-09	6.10E-09
7028	436952.28	3762189.86	1.9E-08	5.98E-08	7.88E-08	2.95E-09	9.77E-09	1.27E-08	1.59E-09	4.53E-09	6.12E-09
7029	436961.13	3762186.15	1.9E-08	6.00E-08	7.90E-08	2.96E-09	9.80E-09	1.28E-08	1.59E-09	4.55E-09	6.14E-09
7030	436969.99	3762182.43	1.91E-08	6.01E-08	7.92E-08	2.97E-09	9.82E-09	1.28E-08	1.60E-09	4.56E-09	6.15E-09
7031	436978.84	3762178.72	1.91E-08	6.03E-08	7.94E-08	2.97E-09	9.84E-09	1.28E-08	1.60E-09	4.57E-09	6.17E-09
7032	436987.69	3762175	1.92E-08	6.04E-08	7.96E-08	2.98E-09	9.86E-09	1.28E-08	1.60E-09	4.58E-09	6.18E-09
7033	436996.55	3762171.28	1.92E-08	6.05E-08	7.97E-08	2.98E-09	9.88E-09	1.29E-08	1.61E-09	4.58E-09	6.19E-09
7034	437005.4	3762167.57	1.92E-08	6.05E-08	7.98E-08	2.99E-09	9.89E-09	1.29E-08	1.61E-09	4.59E-09	6.20E-09
7035	437014.25	3762163.85	1.92E-08	6.06E-08	7.98E-08	2.99E-09	9.89E-09	1.29E-08	1.61E-09	4.59E-09	6.20E-09
7036	437023.1	3762160.14	1.92E-08	6.05E-08	7.97E-08	2.99E-09	9.89E-09	1.29E-08	1.61E-09	4.59E-09	6.19E-09
7037	437031.96	3762156.42	1.92E-08	6.05E-08	7.97E-08	2.98E-09	9.88E-09	1.29E-08	1.61E-09	4.58E-09	6.19E-09
7038	437120.49	3762119.26	1.87E-08	5.87E-08	7.74E-08	2.90E-09	9.60E-09	1.25E-08	1.56E-09	4.45E-09	6.01E-09
7039	437129.34	3762115.54	1.86E-08	5.84E-08	7.70E-08	2.88E-09	9.55E-09	1.24E-08	1.55E-09	4.43E-09	5.98E-09
7040	437138.19	3762111.83	1.85E-08	5.81E-08	7.66E-08	2.87E-09	9.50E-09	1.24E-08	1.55E-09	4.41E-09	5.95E-09
7041	437147.05	3762108.11	1.84E-08	5.78E-08	7.62E-08	2.85E-09	9.44E-09	1.23E-08	1.54E-09	4.38E-09	5.92E-09
7042	437155.9	3762104.39	1.82E-08	5.75E-08	7.57E-08	2.83E-09	9.39E-09	1.22E-08	1.53E-09	4.35E-09	5.88E-09
7043	437164.75	3762100.68	1.81E-08	5.71E-08	7.52E-08	2.82E-09	9.33E-09	1.21E-08	1.52E-09	4.33E-09	5.84E-09
7044	437173.61	3762096.96	1.8E-08	5.67E-08	7.48E-08	2.80E-09	9.27E-09	1.21E-08	1.51E-09	4.30E-09	5.81E-09
7045	437182.46	3762093.25	1.79E-08	5.64E-08	7.43E-08	2.78E-09	9.21E-09	1.20E-08	1.50E-09	4.27E-09	5.77E-09
7046	437191.31	3762089.53	1.78E-08	5.60E-08	7.37E-08	2.76E-09	9.14E-09	1.19E-08	1.49E-09	4.24E-09	5.73E-09
7047	437200.16	3762085.81	1.76E-08	5.56E-08	7.32E-08	2.74E-09	9.08E-09	1.18E-08	1.48E-09	4.21E-09	5.69E-09
7048	436683.8	3762698.91	2.6E-08	8.20E-08	1.08E-07	4.05E-09	1.34E-08	1.74E-08	2.18E-09	6.21E-09	8.39E-09
7049	436683.8	3762708.61	2.62E-08	8.24E-08	1.09E-07	4.06E-09	1.35E-08	1.75E-08	2.19E-09	6.24E-09	8.43E-09
7050	436683.8	3762718.3	2.63E-08	8.27E-08	1.09E-07	4.08E-09	1.35E-08	1.76E-08	2.20E-09	6.27E-09	8.46E-09
7051	436683.8	3762728	2.63E-08	8.29E-08	1.09E-07	4.09E-09	1.35E-08	1.76E-08	2.20E-09	6.28E-09	8.49E-09
7052	436683.8	3762737.69	2.64E-08	8.31E-08	1.10E-07	4.10E-09	1.36E-08	1.77E-08	2.21E-09	6.30E-09	8.51E-09
7053	436683.8	3762747.39	2.64E-08	8.32E-08	1.10E-07	4.11E-09	1.36E-08	1.77E-08	2.21E-09	6.31E-09	8.52E-09
7054	436683.8	3762757.09	2.65E-08	8.33E-08	1.10E-07	4.11E-09	1.36E-08	1.77E-08	2.21E-09	6.31E-09	8.53E-09
7055	436683.8	3762766.78	2.65E-08	8.33E-08	1.10E-07	4.11E-09	1.36E-08	1.77E-08	2.21E-09	6.31E-09	8.53E-09
7056	436683.8	3762776.48	2.64E-08	8.32E-08	1.10E-07	4.11E-09	1.36E-08	1.77E-08	2.21E-09	6.31E-09	8.52E-09
7057	436683.8	3762786.17	2.64E-08	8.31E-08	1.10E-07	4.10E-09	1.36E-08	1.77E-08	2.21E-09	6.30E-09	8.51E-09
7058	436683.8	3762795.87	2.64E-08	8.30E-08	1.09E-07	4.09E-09	1.36E-08	1.77E-08	2.21E-09	6.29E-09	8.49E-09
7059	436683.8	3762805.56	2.63E-08	8.28E-08	1.09E-07	4.08E-09	1.35E-08	1.76E-08	2.20E-09	6.27E-09	8.47E-09
7060	436683.8	3762815.26	2.62E-08	8.25E-08	1.09E-07	4.07E-09	1.35E-08	1.76E-08	2.19E-09	6.25E-09	8.45E-09
7061	436683.8	3762824.96	2.61E-08	8.22E-08	1.08E-07	4.06E-09	1.34E-08	1.75E-08	2.19E-09	6.23E-09	8.42E-09
7062	436683.8	3762834.65	2.6E-08	8.19E-08	1.08E-07	4.04E-09	1.34E-08	1.74E-08	2.18E-09	6.21E-09	8.38E-09
7063	436683.8	3762844.35	2.59E-08	8.15E-08	1.07E-07	4.02E-09	1.33E-08	1.73E-08	2.17E-09	6.18E-09	8.34E-09
7064	436683.8	3762854.04	2.57E-08	8.11E-08	1.07E-07	4.00E-09	1.32E-08	1.72E-08	2.16E-09	6.14E-09	8.30E-09
7065	436647.47	3762690.01	2.38E-08	7.49E-08	9.87E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.67E-09	7.67E-09
7066	436651.14	3762681.1	2.39E-08	7.51E-08	9.90E-08	3.71E-09	1.23E-08	1.60E-08	2.00E-09	5.69E-09	7.69E-09
7067	436654.81	3762672.2	2.39E-08	7.54E-08	9.93E-08	3.72E-09	1.23E-08	1.60E-08	2.00E-09	5.71E-09	7.71E-09
7068	436658.49	3762663.3	2.4E-08	7.55E-08	9.95E-08	3.73E-09	1.23E-08	1.61E-08	2.01E-09	5.72E-09	7.73E-09
7069	436662.16	3762654.39	2.4E-08	7.56E-08	9.96E-08	3.73E-09	1.24E-08	1.61E-08	2.01E-09	5.73E-09	7.74E-09
7070	436665.83	3762645.49	2.4E-08	7.56E-08	9.97E-08	3.73E-09	1.24E-08	1.61E-08	2.01E-09	5.73E-09	7.74E-09
7071	436669.5	3762636.58	2.4E-08	7.56E-08	9.96E-08	3.73E-09	1.24E-08	1.61E-08	2.01E-09	5.73E-09	7.74E-09
7072	436673.17	3762627.68	2.4E-08	7.56E-08	9.96E-08	3.73E-09	1.23E-08	1.61E-08	2.01E-09	5.73E-09	7.73E-09

7073	436676.84	3762618.78	2.4E-08	7.54E-08	9.94E-08	3.72E-09	1.23E-08	1.60E-08	2.01E-09	5.72E-09	7.72E-09
7074	436680.52	3762609.87	2.39E-08	7.53E-08	9.92E-08	3.71E-09	1.23E-08	1.60E-08	2.00E-09	5.70E-09	7.70E-09
7075	436684.19	3762600.97	2.38E-08	7.50E-08	9.89E-08	3.70E-09	1.23E-08	1.60E-08	1.99E-09	5.69E-09	7.68E-09
7076	436687.86	3762592.07	2.37E-08	7.48E-08	9.85E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.67E-09	7.65E-09
7077	436691.53	3762583.16	2.36E-08	7.45E-08	9.81E-08	3.67E-09	1.22E-08	1.58E-08	1.98E-09	5.64E-09	7.62E-09
7078	436695.2	3762574.26	2.35E-08	7.41E-08	9.77E-08	3.66E-09	1.21E-08	1.58E-08	1.97E-09	5.62E-09	7.59E-09
7079	436698.87	3762565.35	2.34E-08	7.38E-08	9.72E-08	3.64E-09	1.20E-08	1.57E-08	1.96E-09	5.59E-09	7.55E-09
7080	436702.55	3762556.45	2.33E-08	7.33E-08	9.66E-08	3.62E-09	1.20E-08	1.56E-08	1.95E-09	5.56E-09	7.51E-09
7081	436706.22	3762547.55	2.32E-08	7.29E-08	9.61E-08	3.60E-09	1.19E-08	1.55E-08	1.94E-09	5.53E-09	7.46E-09
7082	436709.89	3762538.64	2.3E-08	7.25E-08	9.55E-08	3.58E-09	1.18E-08	1.54E-08	1.93E-09	5.49E-09	7.42E-09
7083	436713.56	3762529.74	2.29E-08	7.20E-08	9.49E-08	3.55E-09	1.18E-08	1.53E-08	1.91E-09	5.46E-09	7.37E-09
7084	436717.23	3762520.84	2.27E-08	7.15E-08	9.43E-08	3.53E-09	1.17E-08	1.52E-08	1.90E-09	5.42E-09	7.32E-09
7085	436720.9	3762511.93	2.26E-08	7.10E-08	9.36E-08	3.51E-09	1.16E-08	1.51E-08	1.89E-09	5.38E-09	7.27E-09
7086	436724.58	3762503.03	2.24E-08	7.06E-08	9.30E-08	3.48E-09	1.15E-08	1.50E-08	1.88E-09	5.35E-09	7.22E-09
7087	436728.25	3762494.12	2.22E-08	7.00E-08	9.23E-08	3.46E-09	1.14E-08	1.49E-08	1.86E-09	5.31E-09	7.17E-09
7088	436746.61	3762449.61	2.14E-08	6.75E-08	8.89E-08	3.33E-09	1.10E-08	1.43E-08	1.79E-09	5.11E-09	6.90E-09
7089	436750.28	3762440.7	2.13E-08	6.69E-08	8.82E-08	3.30E-09	1.09E-08	1.42E-08	1.78E-09	5.07E-09	6.85E-09
7090	436753.95	3762431.8	2.11E-08	6.65E-08	8.76E-08	3.28E-09	1.09E-08	1.41E-08	1.77E-09	5.04E-09	6.80E-09
7091	436757.62	3762422.89	2.09E-08	6.60E-08	8.69E-08	3.25E-09	1.08E-08	1.40E-08	1.75E-09	5.00E-09	6.75E-09
7092	436761.29	3762413.99	2.08E-08	6.55E-08	8.63E-08	3.23E-09	1.07E-08	1.39E-08	1.74E-09	4.96E-09	6.70E-09
7093	436764.96	3762405.09	2.06E-08	6.50E-08	8.57E-08	3.21E-09	1.06E-08	1.38E-08	1.73E-09	4.93E-09	6.65E-09
7094	436790.67	3762342.76	1.96E-08	6.17E-08	8.13E-08	3.04E-09	1.01E-08	1.31E-08	1.64E-09	4.67E-09	6.31E-09
7095	436794.34	3762333.86	1.94E-08	6.12E-08	8.06E-08	3.02E-09	9.99E-09	1.30E-08	1.63E-09	4.63E-09	6.26E-09
7096	436798.01	3762324.95	1.93E-08	6.06E-08	7.99E-08	2.99E-09	9.91E-09	1.29E-08	1.61E-09	4.60E-09	6.21E-09
7097	436801.68	3762316.05	1.91E-08	6.01E-08	7.92E-08	2.97E-09	9.83E-09	1.28E-08	1.60E-09	4.56E-09	6.16E-09
7098	436805.35	3762307.15	1.89E-08	5.96E-08	7.86E-08	2.94E-09	9.74E-09	1.27E-08	1.59E-09	4.52E-09	6.11E-09
7099	436809.02	3762298.24	1.88E-08	5.91E-08	7.79E-08	2.92E-09	9.66E-09	1.26E-08	1.57E-09	4.48E-09	6.05E-09
7100	436812.7	3762289.34	1.86E-08	5.87E-08	7.73E-08	2.89E-09	9.58E-09	1.25E-08	1.56E-09	4.44E-09	6.00E-09
7101	436816.37	3762280.44	1.85E-08	5.81E-08	7.66E-08	2.87E-09	9.50E-09	1.24E-08	1.55E-09	4.41E-09	5.95E-09
7102	436820.04	3762271.53	1.83E-08	5.77E-08	7.60E-08	2.84E-09	9.42E-09	1.23E-08	1.53E-09	4.37E-09	5.90E-09
7103	436823.71	3762262.63	1.81E-08	5.71E-08	7.53E-08	2.82E-09	9.33E-09	1.21E-08	1.52E-09	4.33E-09	5.85E-09
7104	436827.38	3762253.72	1.8E-08	5.66E-08	7.45E-08	2.79E-09	9.24E-09	1.20E-08	1.50E-09	4.29E-09	5.79E-09
7105	436831.05	3762244.82	1.78E-08	5.60E-08	7.38E-08	2.76E-09	9.15E-09	1.19E-08	1.49E-09	4.25E-09	5.74E-09
7106	436834.72	3762235.92	1.76E-08	5.55E-08	7.31E-08	2.74E-09	9.06E-09	1.18E-08	1.47E-09	4.20E-09	5.68E-09
7107	436838.4	3762227.01	1.74E-08	5.49E-08	7.24E-08	2.71E-09	8.97E-09	1.17E-08	1.46E-09	4.16E-09	5.62E-09
7108	436842.07	3762218.11	1.73E-08	5.43E-08	7.16E-08	2.68E-09	8.88E-09	1.16E-08	1.44E-09	4.12E-09	5.56E-09
7109	436845.74	3762209.21	1.71E-08	5.37E-08	7.08E-08	2.65E-09	8.78E-09	1.14E-08	1.43E-09	4.07E-09	5.50E-09
7110	436849.41	3762200.3	1.69E-08	5.31E-08	7.00E-08	2.62E-09	8.68E-09	1.13E-08	1.41E-09	4.02E-09	5.44E-09
7111	436861.96	3762187.67	1.67E-08	5.27E-08	6.94E-08	2.60E-09	8.61E-09	1.12E-08	1.40E-09	3.99E-09	5.39E-09
7112	436897.49	3762172.76	1.71E-08	5.37E-08	7.08E-08	2.65E-09	8.78E-09	1.14E-08	1.43E-09	4.07E-09	5.50E-09
7113	436906.37	3762169.03	1.71E-08	5.40E-08	7.11E-08	2.66E-09	8.82E-09	1.15E-08	1.44E-09	4.09E-09	5.53E-09
7114	436915.25	3762165.3	1.72E-08	5.42E-08	7.15E-08	2.68E-09	8.86E-09	1.15E-08	1.44E-09	4.11E-09	5.55E-09
7115	436924.13	3762161.58	1.73E-08	5.45E-08	7.18E-08	2.69E-09	8.90E-09	1.16E-08	1.45E-09	4.13E-09	5.57E-09
7116	436933.01	3762157.85	1.73E-08	5.46E-08	7.20E-08	2.70E-09	8.93E-09	1.16E-08	1.45E-09	4.14E-09	5.59E-09
7117	436941.89	3762154.12	1.74E-08	5.48E-08	7.22E-08	2.70E-09	8.95E-09	1.17E-08	1.46E-09	4.15E-09	5.61E-09
7118	436950.77	3762150.39	1.74E-08	5.49E-08	7.23E-08	2.71E-09	8.97E-09	1.17E-08	1.46E-09	4.16E-09	5.62E-09
7119	436959.65	3762146.67	1.75E-08	5.50E-08	7.24E-08	2.71E-09	8.98E-09	1.17E-08	1.46E-09	4.16E-09	5.63E-09
7120	436968.53	3762142.94	1.75E-08	5.50E-08	7.24E-08	2.71E-09	8.98E-09	1.17E-08	1.46E-09	4.17E-09	5.63E-09
7121	436977.41	3762139.21	1.75E-08	5.50E-08	7.24E-08	2.71E-09	8.98E-09	1.17E-08	1.46E-09	4.17E-09	5.63E-09
7122	436986.29	3762135.48	1.75E-08	5.50E-08	7.25E-08	2.71E-09	8.99E-09	1.17E-08	1.46E-09	4.17E-09	5.63E-09
7123	436995.17	3762131.76	1.75E-08	5.50E-08	7.25E-08	2.71E-09	8.99E-09	1.17E-08	1.46E-09	4.17E-09	5.63E-09
7124	437004.05	3762128.03	1.75E-08	5.50E-08	7.25E-08	2.71E-09	8.99E-09	1.17E-08	1.46E-09	4.17E-09	5.63E-09
7125	437012.93	3762124.3	1.75E-08	5.50E-08	7.24E-08	2.71E-09	8.98E-09	1.17E-08	1.46E-09	4.16E-09	5.63E-09
7126	437021.81	3762120.57	1.74E-08	5.49E-08	7.24E-08	2.71E-09	8.97E-09	1.17E-08	1.46E-09	4.16E-09	5.62E-09
7127	436643.8	3762698.91	2.37E-08	7.46E-08	9.82E-08	3.68E-09	1.22E-08	1.59E-08	1.98E-09	5.65E-09	7.63E-09
7128	436643.8	3762708.61	2.38E-08	7.49E-08	9.86E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.67E-09	7.66E-09
7129	436643.8	3762718.3	2.38E-08	7.51E-08	9.89E-08	3.71E-09	1.23E-08	1.60E-08	2.00E-09	5.69E-09	7.69E-09
7130	436643.8	3762728	2.39E-08	7.53E-08	9.92E-08	3.71E-09	1.23E-08	1.60E-08	2.00E-09	5.70E-09	7.71E-09
7131	436643.8	3762737.69	2.39E-08	7.54E-08	9.93E-08	3.72E-09	1.23E-08	1.60E-08	2.00E-09	5.71E-09	7.72E-09
7132	436643.8	3762747.39	2.4E-08	7.55E-08	9.94E-08	3.72E-09	1.23E-08	1.61E-08	2.01E-09	5.72E-09	7.72E-09
7133	436643.8	3762757.09	2.4E-08	7.55E-08	9.95E-08	3.72E-09	1.23E-08	1.61E-08	2.01E-09	5.72E-09	7.73E-09

7134	436643.8	3762766.78	2.4E-08	7.55E-08	9.94E-08	3.72E-09	1.23E-08	1.61E-08	2.01E-09	5.72E-09	7.72E-09
7135	436643.8	3762776.48	2.39E-08	7.54E-08	9.93E-08	3.72E-09	1.23E-08	1.60E-08	2.00E-09	5.71E-09	7.72E-09
7136	436643.8	3762786.17	2.39E-08	7.53E-08	9.92E-08	3.71E-09	1.23E-08	1.60E-08	2.00E-09	5.71E-09	7.71E-09
7137	436643.8	3762795.87	2.39E-08	7.51E-08	9.90E-08	3.71E-09	1.23E-08	1.60E-08	2.00E-09	5.69E-09	7.69E-09
7138	436643.8	3762805.56	2.38E-08	7.50E-08	9.88E-08	3.70E-09	1.22E-08	1.59E-08	1.99E-09	5.68E-09	7.67E-09
7139	436643.8	3762815.26	2.37E-08	7.47E-08	9.85E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.66E-09	7.65E-09
7140	436643.8	3762824.96	2.36E-08	7.45E-08	9.81E-08	3.67E-09	1.22E-08	1.58E-08	1.98E-09	5.64E-09	7.62E-09
7141	436643.8	3762834.65	2.36E-08	7.42E-08	9.77E-08	3.66E-09	1.21E-08	1.58E-08	1.97E-09	5.62E-09	7.59E-09
7142	436643.8	3762844.35	2.35E-08	7.39E-08	9.73E-08	3.64E-09	1.21E-08	1.57E-08	1.96E-09	5.60E-09	7.56E-09
7143	436643.8	3762854.04	2.33E-08	7.35E-08	9.68E-08	3.63E-09	1.20E-08	1.56E-08	1.95E-09	5.57E-09	7.52E-09
7144	436607.48	3762689.98	2.17E-08	6.84E-08	9.02E-08	3.38E-09	1.12E-08	1.46E-08	1.82E-09	5.18E-09	7.00E-09
7145	436611.16	3762681.05	2.18E-08	6.87E-08	9.05E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.20E-09	7.03E-09
7146	436614.85	3762672.12	2.19E-08	6.89E-08	9.08E-08	3.40E-09	1.13E-08	1.47E-08	1.83E-09	5.22E-09	7.05E-09
7147	436618.53	3762663.2	2.19E-08	6.91E-08	9.10E-08	3.41E-09	1.13E-08	1.47E-08	1.84E-09	5.23E-09	7.07E-09
7148	436622.21	3762654.27	2.2E-08	6.92E-08	9.11E-08	3.41E-09	1.13E-08	1.47E-08	1.84E-09	5.24E-09	7.08E-09
7149	436625.89	3762645.34	2.2E-08	6.92E-08	9.12E-08	3.42E-09	1.13E-08	1.47E-08	1.84E-09	5.25E-09	7.09E-09
7150	436629.57	3762636.41	2.2E-08	6.93E-08	9.13E-08	3.42E-09	1.13E-08	1.47E-08	1.84E-09	5.25E-09	7.09E-09
7151	436633.25	3762627.48	2.2E-08	6.92E-08	9.12E-08	3.42E-09	1.13E-08	1.47E-08	1.84E-09	5.25E-09	7.09E-09
7152	436636.94	3762618.55	2.2E-08	6.92E-08	9.11E-08	3.41E-09	1.13E-08	1.47E-08	1.84E-09	5.24E-09	7.08E-09
7153	436640.62	3762609.63	2.19E-08	6.90E-08	9.10E-08	3.41E-09	1.13E-08	1.47E-08	1.83E-09	5.23E-09	7.07E-09
7154	436644.3	3762600.7	2.19E-08	6.89E-08	9.07E-08	3.40E-09	1.13E-08	1.46E-08	1.83E-09	5.22E-09	7.05E-09
7155	436647.98	3762591.77	2.18E-08	6.87E-08	9.05E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.20E-09	7.03E-09
7156	436651.66	3762582.84	2.17E-08	6.84E-08	9.02E-08	3.38E-09	1.12E-08	1.46E-08	1.82E-09	5.19E-09	7.00E-09
7157	436655.35	3762573.91	2.16E-08	6.82E-08	8.98E-08	3.36E-09	1.11E-08	1.45E-08	1.81E-09	5.16E-09	6.98E-09
7158	436659.03	3762564.98	2.15E-08	6.79E-08	8.94E-08	3.35E-09	1.11E-08	1.44E-08	1.80E-09	5.14E-09	6.94E-09
7159	436662.71	3762556.05	2.14E-08	6.75E-08	8.90E-08	3.33E-09	1.10E-08	1.44E-08	1.79E-09	5.12E-09	6.91E-09
7160	436666.39	3762547.13	2.13E-08	6.72E-08	8.85E-08	3.31E-09	1.10E-08	1.43E-08	1.78E-09	5.09E-09	6.87E-09
7161	436670.07	3762538.2	2.12E-08	6.68E-08	8.80E-08	3.29E-09	1.09E-08	1.42E-08	1.77E-09	5.06E-09	6.84E-09
7162	436673.75	3762529.27	2.11E-08	6.64E-08	8.75E-08	3.28E-09	1.08E-08	1.41E-08	1.76E-09	5.03E-09	6.79E-09
7163	436677.44	3762520.34	2.09E-08	6.60E-08	8.69E-08	3.25E-09	1.08E-08	1.40E-08	1.75E-09	5.00E-09	6.75E-09
7164	436681.12	3762511.41	2.08E-08	6.56E-08	8.64E-08	3.23E-09	1.07E-08	1.39E-08	1.74E-09	4.97E-09	6.71E-09
7165	436684.8	3762502.48	2.07E-08	6.51E-08	8.58E-08	3.21E-09	1.06E-08	1.38E-08	1.73E-09	4.93E-09	6.66E-09
7166	436688.48	3762493.56	2.05E-08	6.47E-08	8.52E-08	3.19E-09	1.06E-08	1.38E-08	1.72E-09	4.90E-09	6.62E-09
7167	436706.89	3762448.91	1.98E-08	6.23E-08	8.21E-08	3.07E-09	1.02E-08	1.33E-08	1.66E-09	4.72E-09	6.38E-09
7168	436710.57	3762439.99	1.96E-08	6.18E-08	8.15E-08	3.05E-09	1.01E-08	1.32E-08	1.64E-09	4.69E-09	6.33E-09
7169	436714.25	3762431.06	1.95E-08	6.14E-08	8.09E-08	3.03E-09	1.00E-08	1.31E-08	1.63E-09	4.65E-09	6.28E-09
7170	436717.94	3762422.13	1.94E-08	6.10E-08	8.03E-08	3.01E-09	9.96E-09	1.30E-08	1.62E-09	4.62E-09	6.24E-09
7171	436721.62	3762413.2	1.92E-08	6.05E-08	7.98E-08	2.99E-09	9.89E-09	1.29E-08	1.61E-09	4.59E-09	6.20E-09
7172	436725.3	3762404.27	1.91E-08	6.01E-08	7.92E-08	2.97E-09	9.83E-09	1.28E-08	1.60E-09	4.56E-09	6.16E-09
7173	436728.98	3762395.34	1.9E-08	5.98E-08	7.87E-08	2.95E-09	9.76E-09	1.27E-08	1.59E-09	4.53E-09	6.12E-09
7174	436732.66	3762386.41	1.88E-08	5.93E-08	7.82E-08	2.93E-09	9.70E-09	1.26E-08	1.58E-09	4.50E-09	6.07E-09
7175	436736.35	3762377.49	1.87E-08	5.89E-08	7.77E-08	2.91E-09	9.63E-09	1.25E-08	1.57E-09	4.47E-09	6.03E-09
7176	436754.76	3762332.84	1.81E-08	5.69E-08	7.49E-08	2.81E-09	9.29E-09	1.21E-08	1.51E-09	4.31E-09	5.82E-09
7177	436795.26	3762234.63	1.66E-08	5.22E-08	6.88E-08	2.58E-09	8.53E-09	1.11E-08	1.39E-09	3.96E-09	5.34E-09
7178	436798.94	3762225.7	1.64E-08	5.18E-08	6.82E-08	2.55E-09	8.46E-09	1.10E-08	1.38E-09	3.92E-09	5.30E-09
7179	436802.62	3762216.77	1.63E-08	5.13E-08	6.76E-08	2.53E-09	8.38E-09	1.09E-08	1.36E-09	3.89E-09	5.25E-09
7180	436806.3	3762207.85	1.61E-08	5.08E-08	6.69E-08	2.51E-09	8.30E-09	1.08E-08	1.35E-09	3.85E-09	5.20E-09
7181	436809.98	3762198.92	1.6E-08	5.03E-08	6.62E-08	2.48E-09	8.21E-09	1.07E-08	1.34E-09	3.81E-09	5.15E-09
7182	436813.66	3762189.99	1.58E-08	4.98E-08	6.55E-08	2.45E-09	8.13E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09
7183	436817.35	3762181.06	1.56E-08	4.92E-08	6.48E-08	2.43E-09	8.04E-09	1.05E-08	1.31E-09	3.73E-09	5.04E-09
7184	436821.03	3762172.13	1.55E-08	4.87E-08	6.42E-08	2.40E-09	7.95E-09	1.04E-08	1.29E-09	3.69E-09	4.98E-09
7185	436833.62	3762159.47	1.54E-08	4.84E-08	6.38E-08	2.39E-09	7.91E-09	1.03E-08	1.29E-09	3.67E-09	4.95E-09
7186	436860.33	3762148.25	1.56E-08	4.90E-08	6.46E-08	2.42E-09	8.01E-09	1.04E-08	1.30E-09	3.71E-09	5.02E-09
7187	436869.24	3762144.51	1.56E-08	4.92E-08	6.49E-08	2.43E-09	8.04E-09	1.05E-08	1.31E-09	3.73E-09	5.04E-09
7188	436878.14	3762140.78	1.57E-08	4.95E-08	6.52E-08	2.44E-09	8.08E-09	1.05E-08	1.31E-09	3.75E-09	5.06E-09
7189	436887.05	3762137.04	1.58E-08	4.96E-08	6.54E-08	2.45E-09	8.11E-09	1.06E-08	1.32E-09	3.76E-09	5.08E-09
7190	436895.95	3762133.3	1.58E-08	4.99E-08	6.57E-08	2.46E-09	8.14E-09	1.06E-08	1.33E-09	3.78E-09	5.10E-09
7191	436904.86	3762129.56	1.59E-08	5.00E-08	6.59E-08	2.47E-09	8.17E-09	1.06E-08	1.33E-09	3.79E-09	5.12E-09
7192	436913.76	3762125.82	1.59E-08	5.02E-08	6.61E-08	2.48E-09	8.20E-09	1.07E-08	1.33E-09	3.80E-09	5.14E-09
7193	436922.67	3762122.09	1.6E-08	5.03E-08	6.63E-08	2.48E-09	8.21E-09	1.07E-08	1.34E-09	3.81E-09	5.15E-09
7194	436931.57	3762118.35	1.6E-08	5.04E-08	6.63E-08	2.48E-09	8.23E-09	1.07E-08	1.34E-09	3.82E-09	5.15E-09

7195	436940.48	3762114.61	1.6E-08	5.04E-08	6.64E-08	2.49E-09	8.23E-09	1.07E-08	1.34E-09	3.82E-09	5.16E-09
7196	436949.38	3762110.87	1.6E-08	5.04E-08	6.64E-08	2.49E-09	8.24E-09	1.07E-08	1.34E-09	3.82E-09	5.16E-09
7197	436958.29	3762107.13	1.6E-08	5.04E-08	6.64E-08	2.49E-09	8.24E-09	1.07E-08	1.34E-09	3.82E-09	5.16E-09
7198	436967.19	3762103.4	1.6E-08	5.04E-08	6.64E-08	2.49E-09	8.23E-09	1.07E-08	1.34E-09	3.82E-09	5.16E-09
7199	436976.1	3762099.66	1.6E-08	5.04E-08	6.63E-08	2.48E-09	8.23E-09	1.07E-08	1.34E-09	3.82E-09	5.15E-09
7200	436985	3762095.92	1.6E-08	5.03E-08	6.63E-08	2.48E-09	8.22E-09	1.07E-08	1.34E-09	3.81E-09	5.15E-09
7201	436993.91	3762092.18	1.6E-08	5.03E-08	6.63E-08	2.48E-09	8.22E-09	1.07E-08	1.34E-09	3.81E-09	5.15E-09
7202	437261.06	3761980.04	1.38E-08	4.36E-08	5.74E-08	2.15E-09	7.12E-09	9.27E-09	1.16E-09	3.30E-09	4.46E-09
7203	437269.96	3761976.3	1.38E-08	4.33E-08	5.71E-08	2.14E-09	7.08E-09	9.22E-09	1.15E-09	3.28E-09	4.43E-09
7204	437278.87	3761972.57	1.37E-08	4.31E-08	5.67E-08	2.12E-09	7.04E-09	9.16E-09	1.14E-09	3.26E-09	4.41E-09
7205	437287.77	3761968.83	1.36E-08	4.28E-08	5.64E-08	2.11E-09	7.00E-09	9.11E-09	1.14E-09	3.25E-09	4.39E-09
7206	437296.68	3761965.09	1.35E-08	4.26E-08	5.62E-08	2.10E-09	6.96E-09	9.07E-09	1.13E-09	3.23E-09	4.36E-09
7207	437305.58	3761961.35	1.35E-08	4.24E-08	5.59E-08	2.09E-09	6.93E-09	9.02E-09	1.13E-09	3.21E-09	4.34E-09
7208	437314.49	3761957.61	1.34E-08	4.22E-08	5.57E-08	2.08E-09	6.90E-09	8.99E-09	1.12E-09	3.20E-09	4.32E-09
7209	437323.4	3761953.88	1.34E-08	4.21E-08	5.55E-08	2.08E-09	6.88E-09	8.95E-09	1.12E-09	3.19E-09	4.31E-09
7210	437332.3	3761950.14	1.33E-08	4.19E-08	5.52E-08	2.07E-09	6.85E-09	8.92E-09	1.11E-09	3.18E-09	4.29E-09
7211	437341.21	3761946.4	1.33E-08	4.18E-08	5.51E-08	2.06E-09	6.83E-09	8.89E-09	1.11E-09	3.17E-09	4.28E-09
7212	437350.11	3761942.66	1.32E-08	4.16E-08	5.49E-08	2.05E-09	6.80E-09	8.86E-09	1.11E-09	3.16E-09	4.26E-09
7213	436603.8	3762698.91	2.16E-08	6.81E-08	8.98E-08	3.36E-09	1.11E-08	1.45E-08	1.81E-09	5.16E-09	6.97E-09
7214	436603.8	3762708.61	2.17E-08	6.83E-08	9.00E-08	3.37E-09	1.12E-08	1.45E-08	1.82E-09	5.18E-09	7.00E-09
7215	436603.8	3762718.3	2.18E-08	6.85E-08	9.03E-08	3.38E-09	1.12E-08	1.46E-08	1.82E-09	5.19E-09	7.01E-09
7216	436603.8	3762728	2.18E-08	6.87E-08	9.05E-08	3.39E-09	1.12E-08	1.46E-08	1.82E-09	5.20E-09	7.03E-09
7217	436603.8	3762737.69	2.18E-08	6.88E-08	9.06E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.21E-09	7.04E-09
7218	436603.8	3762747.39	2.18E-08	6.88E-08	9.07E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.21E-09	7.04E-09
7219	436603.8	3762757.09	2.18E-08	6.88E-08	9.07E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.21E-09	7.04E-09
7220	436603.8	3762766.78	2.18E-08	6.88E-08	9.06E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.21E-09	7.04E-09
7221	436603.8	3762776.48	2.18E-08	6.87E-08	9.05E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.20E-09	7.03E-09
7222	436603.8	3762786.17	2.18E-08	6.86E-08	9.03E-08	3.38E-09	1.12E-08	1.46E-08	1.82E-09	5.20E-09	7.02E-09
7223	436603.8	3762795.87	2.17E-08	6.84E-08	9.01E-08	3.38E-09	1.12E-08	1.46E-08	1.82E-09	5.18E-09	7.00E-09
7224	436603.8	3762805.56	2.17E-08	6.82E-08	8.99E-08	3.37E-09	1.11E-08	1.45E-08	1.81E-09	5.17E-09	6.98E-09
7225	436603.8	3762815.26	2.16E-08	6.80E-08	8.96E-08	3.36E-09	1.11E-08	1.45E-08	1.81E-09	5.16E-09	6.96E-09
7226	436603.8	3762824.96	2.15E-08	6.78E-08	8.93E-08	3.35E-09	1.11E-08	1.44E-08	1.80E-09	5.14E-09	6.94E-09
7227	436603.8	3762834.65	2.15E-08	6.75E-08	8.90E-08	3.33E-09	1.10E-08	1.44E-08	1.80E-09	5.12E-09	6.91E-09
7228	436603.8	3762844.35	2.14E-08	6.73E-08	8.86E-08	3.32E-09	1.10E-08	1.43E-08	1.79E-09	5.10E-09	6.89E-09
7229	436603.8	3762854.04	2.13E-08	6.70E-08	8.83E-08	3.31E-09	1.09E-08	1.42E-08	1.78E-09	5.08E-09	6.86E-09
7230	436574.87	3762672.06	2.01E-08	6.33E-08	8.34E-08	3.12E-09	1.03E-08	1.35E-08	1.68E-09	4.80E-09	6.48E-09
7231	436578.56	3762663.11	2.01E-08	6.34E-08	8.36E-08	3.13E-09	1.04E-08	1.35E-08	1.69E-09	4.81E-09	6.49E-09
7232	436582.26	3762654.16	2.02E-08	6.36E-08	8.38E-08	3.14E-09	1.04E-08	1.35E-08	1.69E-09	4.82E-09	6.51E-09
7233	436585.95	3762645.21	2.02E-08	6.36E-08	8.39E-08	3.14E-09	1.04E-08	1.35E-08	1.69E-09	4.82E-09	6.51E-09
7234	436589.64	3762636.25	2.02E-08	6.37E-08	8.39E-08	3.14E-09	1.04E-08	1.35E-08	1.69E-09	4.82E-09	6.52E-09
7235	436593.33	3762627.3	2.02E-08	6.37E-08	8.39E-08	3.14E-09	1.04E-08	1.35E-08	1.69E-09	4.82E-09	6.52E-09
7236	436597.02	3762618.35	2.02E-08	6.36E-08	8.38E-08	3.14E-09	1.04E-08	1.35E-08	1.69E-09	4.82E-09	6.51E-09
7237	436600.71	3762609.4	2.02E-08	6.35E-08	8.37E-08	3.14E-09	1.04E-08	1.35E-08	1.69E-09	4.81E-09	6.50E-09
7238	436604.4	3762600.45	2.01E-08	6.34E-08	8.35E-08	3.13E-09	1.04E-08	1.35E-08	1.69E-09	4.80E-09	6.49E-09
7239	436608.09	3762591.5	2.01E-08	6.33E-08	8.33E-08	3.12E-09	1.03E-08	1.35E-08	1.68E-09	4.79E-09	6.47E-09
7240	436611.78	3762582.55	2E-08	6.31E-08	8.31E-08	3.11E-09	1.03E-08	1.34E-08	1.68E-09	4.78E-09	6.45E-09
7241	436615.47	3762573.6	1.99E-08	6.28E-08	8.28E-08	3.10E-09	1.03E-08	1.34E-08	1.67E-09	4.76E-09	6.43E-09
7242	436619.17	3762564.65	1.99E-08	6.26E-08	8.24E-08	3.09E-09	1.02E-08	1.33E-08	1.66E-09	4.74E-09	6.40E-09
7243	436622.86	3762555.7	1.98E-08	6.23E-08	8.21E-08	3.07E-09	1.02E-08	1.33E-08	1.66E-09	4.72E-09	6.38E-09
7244	436626.55	3762546.75	1.97E-08	6.20E-08	8.17E-08	3.06E-09	1.01E-08	1.32E-08	1.65E-09	4.70E-09	6.35E-09
7245	436630.24	3762537.8	1.96E-08	6.17E-08	8.13E-08	3.05E-09	1.01E-08	1.31E-08	1.64E-09	4.68E-09	6.32E-09
7246	436633.93	3762528.84	1.95E-08	6.14E-08	8.09E-08	3.03E-09	1.00E-08	1.31E-08	1.63E-09	4.65E-09	6.29E-09
7247	436637.62	3762519.89	1.94E-08	6.11E-08	8.05E-08	3.01E-09	9.98E-09	1.30E-08	1.62E-09	4.63E-09	6.25E-09
7248	436641.31	3762510.94	1.93E-08	6.07E-08	8.00E-08	3.00E-09	9.92E-09	1.29E-08	1.61E-09	4.60E-09	6.21E-09
7249	436645	3762501.99	1.92E-08	6.03E-08	7.95E-08	2.98E-09	9.86E-09	1.28E-08	1.60E-09	4.57E-09	6.17E-09
7250	436648.69	3762493.04	1.9E-08	5.99E-08	7.90E-08	2.96E-09	9.79E-09	1.28E-08	1.59E-09	4.54E-09	6.14E-09
7251	436652.39	3762484.09	1.89E-08	5.95E-08	7.85E-08	2.94E-09	9.73E-09	1.27E-08	1.58E-09	4.51E-09	6.09E-09
7252	436667.15	3762448.29	1.84E-08	5.79E-08	7.62E-08	2.85E-09	9.45E-09	1.23E-08	1.54E-09	4.38E-09	5.92E-09
7253	436670.84	3762439.34	1.82E-08	5.74E-08	7.57E-08	2.83E-09	9.38E-09	1.22E-08	1.53E-09	4.35E-09	5.88E-09
7254	436674.53	3762430.39	1.81E-08	5.70E-08	7.51E-08	2.81E-09	9.32E-09	1.21E-08	1.52E-09	4.32E-09	5.84E-09
7255	436678.22	3762421.43	1.8E-08	5.66E-08	7.46E-08	2.79E-09	9.25E-09	1.20E-08	1.50E-09	4.29E-09	5.79E-09

7256	436681.91	3762412.48	1.79E-08	5.62E-08	7.41E-08	2.77E-09	9.19E-09	1.20E-08	1.49E-09	4.26E-09	5.76E-09
7257	436685.6	3762403.53	1.77E-08	5.59E-08	7.36E-08	2.76E-09	9.13E-09	1.19E-08	1.49E-09	4.23E-09	5.72E-09
7258	436689.3	3762394.58	1.76E-08	5.55E-08	7.32E-08	2.74E-09	9.07E-09	1.18E-08	1.48E-09	4.21E-09	5.68E-09
7259	436692.99	3762385.63	1.75E-08	5.52E-08	7.27E-08	2.72E-09	9.01E-09	1.17E-08	1.47E-09	4.18E-09	5.65E-09
7260	436707.75	3762349.83	1.71E-08	5.38E-08	7.09E-08	2.65E-09	8.79E-09	1.14E-08	1.43E-09	4.08E-09	5.51E-09
7261	436711.44	3762340.88	1.7E-08	5.34E-08	7.04E-08	2.64E-09	8.73E-09	1.14E-08	1.42E-09	4.05E-09	5.47E-09
7262	436715.13	3762331.93	1.68E-08	5.30E-08	6.99E-08	2.62E-09	8.67E-09	1.13E-08	1.41E-09	4.02E-09	5.43E-09
7263	436718.82	3762322.98	1.67E-08	5.27E-08	6.94E-08	2.60E-09	8.60E-09	1.12E-08	1.40E-09	3.99E-09	5.39E-09
7264	436722.52	3762314.02	1.66E-08	5.23E-08	6.89E-08	2.58E-09	8.54E-09	1.11E-08	1.39E-09	3.96E-09	5.35E-09
7265	436726.21	3762305.07	1.65E-08	5.19E-08	6.84E-08	2.56E-09	8.48E-09	1.10E-08	1.38E-09	3.93E-09	5.31E-09
7266	436729.9	3762296.12	1.64E-08	5.16E-08	6.79E-08	2.54E-09	8.42E-09	1.10E-08	1.37E-09	3.91E-09	5.28E-09
7267	436733.59	3762287.17	1.63E-08	5.12E-08	6.75E-08	2.53E-09	8.37E-09	1.09E-08	1.36E-09	3.88E-09	5.24E-09
7268	436737.28	3762278.22	1.62E-08	5.09E-08	6.70E-08	2.51E-09	8.31E-09	1.08E-08	1.35E-09	3.85E-09	5.21E-09
7269	436740.97	3762269.27	1.6E-08	5.05E-08	6.65E-08	2.49E-09	8.25E-09	1.07E-08	1.34E-09	3.83E-09	5.17E-09
7270	436744.66	3762260.32	1.59E-08	5.01E-08	6.60E-08	2.47E-09	8.19E-09	1.07E-08	1.33E-09	3.80E-09	5.13E-09
7271	436748.35	3762251.37	1.58E-08	4.97E-08	6.55E-08	2.45E-09	8.13E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09
7272	436792.65	3762143.96	1.42E-08	4.48E-08	5.91E-08	2.21E-09	7.33E-09	9.54E-09	1.19E-09	3.40E-09	4.59E-09
7273	436805.26	3762131.26	1.42E-08	4.46E-08	5.88E-08	2.20E-09	7.29E-09	9.49E-09	1.19E-09	3.38E-09	4.57E-09
7274	436832.05	3762120.02	1.44E-08	4.52E-08	5.96E-08	2.23E-09	7.39E-09	9.62E-09	1.20E-09	3.43E-09	4.63E-09
7275	436840.97	3762116.27	1.44E-08	4.54E-08	5.99E-08	2.24E-09	7.42E-09	9.66E-09	1.21E-09	3.44E-09	4.65E-09
7276	436849.9	3762112.52	1.45E-08	4.56E-08	6.01E-08	2.25E-09	7.45E-09	9.70E-09	1.21E-09	3.46E-09	4.67E-09
7277	436858.83	3762108.78	1.45E-08	4.58E-08	6.03E-08	2.26E-09	7.48E-09	9.74E-09	1.22E-09	3.47E-09	4.68E-09
7278	436867.76	3762105.03	1.46E-08	4.59E-08	6.05E-08	2.27E-09	7.50E-09	9.77E-09	1.22E-09	3.48E-09	4.70E-09
7279	436876.68	3762101.28	1.46E-08	4.61E-08	6.07E-08	2.27E-09	7.53E-09	9.80E-09	1.22E-09	3.49E-09	4.72E-09
7280	436885.61	3762097.53	1.47E-08	4.62E-08	6.09E-08	2.28E-09	7.55E-09	9.83E-09	1.23E-09	3.50E-09	4.73E-09
7281	437162.36	3761981.37	1.35E-08	4.26E-08	5.61E-08	2.10E-09	6.96E-09	9.06E-09	1.13E-09	3.23E-09	4.36E-09
7282	437171.29	3761977.62	1.34E-08	4.23E-08	5.58E-08	2.09E-09	6.92E-09	9.00E-09	1.13E-09	3.21E-09	4.33E-09
7283	437180.22	3761973.87	1.34E-08	4.21E-08	5.54E-08	2.08E-09	6.87E-09	8.95E-09	1.12E-09	3.19E-09	4.31E-09
7284	437189.14	3761970.13	1.33E-08	4.18E-08	5.51E-08	2.06E-09	6.83E-09	8.90E-09	1.11E-09	3.17E-09	4.28E-09
7285	437198.07	3761966.38	1.32E-08	4.16E-08	5.48E-08	2.05E-09	6.79E-09	8.84E-09	1.11E-09	3.15E-09	4.26E-09
7286	437207	3761962.63	1.31E-08	4.13E-08	5.45E-08	2.04E-09	6.75E-09	8.79E-09	1.10E-09	3.13E-09	4.23E-09
7287	437215.93	3761958.88	1.3E-08	4.11E-08	5.41E-08	2.03E-09	6.71E-09	8.74E-09	1.09E-09	3.11E-09	4.21E-09
7288	437224.85	3761955.14	1.3E-08	4.08E-08	5.38E-08	2.02E-09	6.67E-09	8.69E-09	1.09E-09	3.10E-09	4.18E-09
7289	437233.78	3761951.39	1.29E-08	4.06E-08	5.35E-08	2.00E-09	6.63E-09	8.64E-09	1.08E-09	3.08E-09	4.16E-09
7290	437242.71	3761947.64	1.28E-08	4.04E-08	5.32E-08	1.99E-09	6.59E-09	8.59E-09	1.07E-09	3.06E-09	4.13E-09
7291	437251.63	3761943.89	1.27E-08	4.01E-08	5.29E-08	1.98E-09	6.56E-09	8.54E-09	1.07E-09	3.04E-09	4.11E-09
7292	437260.56	3761940.15	1.27E-08	3.99E-08	5.26E-08	1.97E-09	6.52E-09	8.49E-09	1.06E-09	3.03E-09	4.09E-09
7293	437269.49	3761936.4	1.26E-08	3.97E-08	5.23E-08	1.96E-09	6.49E-09	8.45E-09	1.06E-09	3.01E-09	4.07E-09
7294	437278.42	3761932.65	1.26E-08	3.95E-08	5.21E-08	1.95E-09	6.46E-09	8.41E-09	1.05E-09	3.00E-09	4.05E-09
7295	437287.34	3761928.9	1.25E-08	3.94E-08	5.19E-08	1.94E-09	6.43E-09	8.37E-09	1.05E-09	2.98E-09	4.03E-09
7296	437296.27	3761925.16	1.24E-08	3.92E-08	5.16E-08	1.93E-09	6.40E-09	8.34E-09	1.04E-09	2.97E-09	4.01E-09
7297	437305.2	3761921.41	1.24E-08	3.90E-08	5.14E-08	1.93E-09	6.37E-09	8.30E-09	1.04E-09	2.96E-09	3.99E-09
7298	437314.13	3761917.66	1.23E-08	3.89E-08	5.12E-08	1.92E-09	6.35E-09	8.27E-09	1.03E-09	2.95E-09	3.98E-09
7299	437323.05	3761913.92	1.23E-08	3.87E-08	5.10E-08	1.91E-09	6.33E-09	8.24E-09	1.03E-09	2.94E-09	3.97E-09
7300	437331.98	3761910.17	1.23E-08	3.86E-08	5.09E-08	1.91E-09	6.31E-09	8.22E-09	1.03E-09	2.93E-09	3.95E-09
7301	437340.91	3761906.42	1.22E-08	3.85E-08	5.08E-08	1.90E-09	6.29E-09	8.19E-09	1.02E-09	2.92E-09	3.94E-09
7302	437349.84	3761902.67	1.22E-08	3.84E-08	5.06E-08	1.89E-09	6.27E-09	8.17E-09	1.02E-09	2.91E-09	3.93E-09
7303	436527.44	3762690.07	1.84E-08	5.80E-08	7.64E-08	2.86E-09	9.47E-09	1.23E-08	1.54E-09	4.39E-09	5.93E-09
7304	436531.09	3762681.24	1.85E-08	5.82E-08	7.67E-08	2.87E-09	9.51E-09	1.24E-08	1.55E-09	4.41E-09	5.96E-09
7305	436534.73	3762672.4	1.85E-08	5.84E-08	7.69E-08	2.88E-09	9.54E-09	1.24E-08	1.55E-09	4.42E-09	5.98E-09
7306	436538.38	3762663.56	1.86E-08	5.86E-08	7.72E-08	2.89E-09	9.57E-09	1.25E-08	1.56E-09	4.44E-09	5.99E-09
7307	436542.02	3762654.72	1.86E-08	5.87E-08	7.73E-08	2.90E-09	9.59E-09	1.25E-08	1.56E-09	4.45E-09	6.01E-09
7308	436545.67	3762645.89	1.87E-08	5.88E-08	7.75E-08	2.90E-09	9.60E-09	1.25E-08	1.56E-09	4.45E-09	6.02E-09
7309	436549.31	3762637.05	1.87E-08	5.89E-08	7.75E-08	2.90E-09	9.61E-09	1.25E-08	1.56E-09	4.46E-09	6.02E-09
7310	436574.82	3762575.19	1.85E-08	5.83E-08	7.68E-08	2.88E-09	9.52E-09	1.24E-08	1.55E-09	4.42E-09	5.97E-09
7311	436578.46	3762566.35	1.84E-08	5.81E-08	7.65E-08	2.87E-09	9.49E-09	1.24E-08	1.54E-09	4.40E-09	5.95E-09
7312	436582.11	3762557.51	1.84E-08	5.79E-08	7.63E-08	2.86E-09	9.45E-09	1.23E-08	1.54E-09	4.39E-09	5.92E-09
7313	436585.75	3762548.68	1.83E-08	5.76E-08	7.59E-08	2.84E-09	9.42E-09	1.23E-08	1.53E-09	4.37E-09	5.90E-09
7314	436589.4	3762539.84	1.82E-08	5.74E-08	7.56E-08	2.83E-09	9.37E-09	1.22E-08	1.52E-09	4.35E-09	5.87E-09
7315	436593.04	3762531	1.81E-08	5.71E-08	7.52E-08	2.82E-09	9.33E-09	1.21E-08	1.52E-09	4.33E-09	5.84E-09
7316	436596.68	3762522.16	1.8E-08	5.68E-08	7.49E-08	2.80E-09	9.28E-09	1.21E-08	1.51E-09	4.31E-09	5.82E-09

7317	436600.33	3762513.33	1.79E-08	5.65E-08	7.45E-08	2.79E-09	9.23E-09	1.20E-08	1.50E-09	4.28E-09	5.78E-09
7318	436603.97	3762504.49	1.78E-08	5.62E-08	7.40E-08	2.77E-09	9.18E-09	1.20E-08	1.49E-09	4.26E-09	5.75E-09
7319	436607.62	3762495.65	1.77E-08	5.59E-08	7.36E-08	2.76E-09	9.13E-09	1.19E-08	1.49E-09	4.23E-09	5.72E-09
7320	436611.26	3762486.82	1.76E-08	5.55E-08	7.32E-08	2.74E-09	9.07E-09	1.18E-08	1.48E-09	4.21E-09	5.69E-09
7321	436629.48	3762442.63	1.71E-08	5.38E-08	7.09E-08	2.65E-09	8.79E-09	1.14E-08	1.43E-09	4.08E-09	5.51E-09
7322	436633.13	3762433.79	1.7E-08	5.34E-08	7.04E-08	2.64E-09	8.73E-09	1.14E-08	1.42E-09	4.05E-09	5.47E-09
7323	436636.77	3762424.95	1.68E-08	5.30E-08	6.99E-08	2.62E-09	8.67E-09	1.13E-08	1.41E-09	4.02E-09	5.43E-09
7324	436640.42	3762416.12	1.67E-08	5.27E-08	6.94E-08	2.60E-09	8.61E-09	1.12E-08	1.40E-09	3.99E-09	5.39E-09
7325	436644.06	3762407.28	1.66E-08	5.24E-08	6.90E-08	2.58E-09	8.55E-09	1.11E-08	1.39E-09	3.97E-09	5.36E-09
7326	436647.7	3762398.44	1.65E-08	5.20E-08	6.85E-08	2.57E-09	8.50E-09	1.11E-08	1.38E-09	3.94E-09	5.32E-09
7327	436651.35	3762389.61	1.64E-08	5.17E-08	6.81E-08	2.55E-09	8.45E-09	1.10E-08	1.37E-09	3.92E-09	5.29E-09
7328	436665.93	3762354.26	1.6E-08	5.04E-08	6.64E-08	2.49E-09	8.24E-09	1.07E-08	1.34E-09	3.82E-09	5.16E-09
7329	436669.57	3762345.42	1.59E-08	5.01E-08	6.60E-08	2.47E-09	8.19E-09	1.07E-08	1.33E-09	3.80E-09	5.13E-09
7330	436673.21	3762336.58	1.58E-08	4.98E-08	6.56E-08	2.46E-09	8.13E-09	1.06E-08	1.32E-09	3.77E-09	5.10E-09
7331	436676.86	3762327.74	1.57E-08	4.95E-08	6.52E-08	2.44E-09	8.08E-09	1.05E-08	1.32E-09	3.75E-09	5.07E-09
7332	436680.5	3762318.91	1.56E-08	4.92E-08	6.48E-08	2.43E-09	8.03E-09	1.05E-08	1.31E-09	3.73E-09	5.03E-09
7333	436684.15	3762310.07	1.55E-08	4.89E-08	6.44E-08	2.41E-09	7.98E-09	1.04E-08	1.30E-09	3.70E-09	5.00E-09
7334	436687.79	3762301.23	1.54E-08	4.85E-08	6.39E-08	2.39E-09	7.93E-09	1.03E-08	1.29E-09	3.68E-09	4.97E-09
7335	436691.43	3762292.4	1.53E-08	4.82E-08	6.35E-08	2.38E-09	7.87E-09	1.03E-08	1.28E-09	3.65E-09	4.93E-09
7336	436695.08	3762283.56	1.52E-08	4.79E-08	6.31E-08	2.36E-09	7.82E-09	1.02E-08	1.27E-09	3.63E-09	4.90E-09
7337	436698.72	3762274.72	1.51E-08	4.76E-08	6.27E-08	2.35E-09	7.77E-09	1.01E-08	1.26E-09	3.60E-09	4.87E-09
7338	436702.37	3762265.88	1.5E-08	4.72E-08	6.22E-08	2.33E-09	7.72E-09	1.00E-08	1.26E-09	3.58E-09	4.83E-09
7339	436706.01	3762257.05	1.49E-08	4.69E-08	6.18E-08	2.31E-09	7.66E-09	9.97E-09	1.25E-09	3.55E-09	4.80E-09
7340	436709.66	3762248.21	1.48E-08	4.65E-08	6.13E-08	2.30E-09	7.60E-09	9.90E-09	1.24E-09	3.53E-09	4.76E-09
7341	436713.3	3762239.37	1.47E-08	4.62E-08	6.09E-08	2.28E-09	7.55E-09	9.83E-09	1.23E-09	3.50E-09	4.73E-09
7342	436716.94	3762230.53	1.46E-08	4.59E-08	6.05E-08	2.27E-09	7.50E-09	9.77E-09	1.22E-09	3.48E-09	4.70E-09
7343	436720.59	3762221.7	1.45E-08	4.56E-08	6.01E-08	2.25E-09	7.45E-09	9.70E-09	1.21E-09	3.46E-09	4.67E-09
7344	436724.23	3762212.86	1.44E-08	4.53E-08	5.97E-08	2.24E-09	7.40E-09	9.64E-09	1.20E-09	3.43E-09	4.64E-09
7345	436727.88	3762204.02	1.43E-08	4.50E-08	5.93E-08	2.22E-09	7.35E-09	9.57E-09	1.20E-09	3.41E-09	4.61E-09
7346	436731.52	3762195.19	1.42E-08	4.47E-08	5.89E-08	2.20E-09	7.30E-09	9.50E-09	1.19E-09	3.39E-09	4.57E-09
7347	437067.64	3761981.02	1.31E-08	4.14E-08	5.45E-08	2.04E-09	6.76E-09	8.80E-09	1.10E-09	3.14E-09	4.24E-09
7348	437076.46	3761977.32	1.31E-08	4.12E-08	5.43E-08	2.03E-09	6.73E-09	8.76E-09	1.10E-09	3.12E-09	4.22E-09
7349	437085.27	3761973.62	1.3E-08	4.10E-08	5.40E-08	2.02E-09	6.70E-09	8.72E-09	1.09E-09	3.11E-09	4.20E-09
7350	437094.09	3761969.92	1.3E-08	4.08E-08	5.37E-08	2.01E-09	6.66E-09	8.68E-09	1.08E-09	3.09E-09	4.18E-09
7351	437102.9	3761966.22	1.29E-08	4.06E-08	5.35E-08	2.00E-09	6.63E-09	8.63E-09	1.08E-09	3.07E-09	4.15E-09
7352	437111.72	3761962.52	1.28E-08	4.03E-08	5.31E-08	1.99E-09	6.59E-09	8.58E-09	1.07E-09	3.06E-09	4.13E-09
7353	437120.53	3761958.82	1.27E-08	4.01E-08	5.28E-08	1.98E-09	6.55E-09	8.53E-09	1.07E-09	3.04E-09	4.10E-09
7354	437129.34	3761955.12	1.27E-08	3.99E-08	5.25E-08	1.97E-09	6.51E-09	8.48E-09	1.06E-09	3.02E-09	4.08E-09
7355	437138.16	3761951.42	1.26E-08	3.96E-08	5.22E-08	1.96E-09	6.48E-09	8.43E-09	1.05E-09	3.00E-09	4.06E-09
7356	437146.97	3761947.72	1.25E-08	3.94E-08	5.19E-08	1.95E-09	6.44E-09	8.39E-09	1.05E-09	2.99E-09	4.04E-09
7357	437155.79	3761944.02	1.24E-08	3.92E-08	5.16E-08	1.93E-09	6.40E-09	8.34E-09	1.04E-09	2.97E-09	4.01E-09
7358	437164.6	3761940.32	1.24E-08	3.90E-08	5.14E-08	1.92E-09	6.37E-09	8.29E-09	1.04E-09	2.95E-09	3.99E-09
7359	437173.41	3761936.62	1.23E-08	3.88E-08	5.11E-08	1.91E-09	6.33E-09	8.25E-09	1.03E-09	2.94E-09	3.97E-09
7360	437182.23	3761932.92	1.22E-08	3.85E-08	5.08E-08	1.90E-09	6.30E-09	8.20E-09	1.02E-09	2.92E-09	3.95E-09
7361	437191.04	3761929.22	1.22E-08	3.83E-08	5.05E-08	1.89E-09	6.26E-09	8.15E-09	1.02E-09	2.90E-09	3.92E-09
7362	437199.86	3761925.52	1.21E-08	3.81E-08	5.02E-08	1.88E-09	6.23E-09	8.11E-09	1.01E-09	2.89E-09	3.90E-09
7363	437208.67	3761921.82	1.2E-08	3.79E-08	4.99E-08	1.87E-09	6.19E-09	8.06E-09	1.01E-09	2.87E-09	3.88E-09
7364	437217.49	3761918.12	1.2E-08	3.77E-08	4.97E-08	1.86E-09	6.16E-09	8.02E-09	1.00E-09	2.86E-09	3.86E-09
7365	437226.3	3761914.42	1.19E-08	3.75E-08	4.94E-08	1.85E-09	6.12E-09	7.97E-09	9.96E-10	2.84E-09	3.84E-09
7366	437235.11	3761910.72	1.18E-08	3.73E-08	4.91E-08	1.84E-09	6.09E-09	7.93E-09	9.91E-10	2.83E-09	3.82E-09
7367	437243.93	3761907.02	1.18E-08	3.71E-08	4.89E-08	1.83E-09	6.06E-09	7.89E-09	9.86E-10	2.81E-09	3.80E-09
7368	437252.74	3761903.32	1.17E-08	3.69E-08	4.87E-08	1.82E-09	6.03E-09	7.85E-09	9.82E-10	2.80E-09	3.78E-09
7369	437261.56	3761899.62	1.17E-08	3.68E-08	4.84E-08	1.81E-09	6.00E-09	7.82E-09	9.77E-10	2.79E-09	3.76E-09
7370	437270.37	3761895.92	1.16E-08	3.66E-08	4.82E-08	1.81E-09	5.98E-09	7.79E-09	9.73E-10	2.77E-09	3.75E-09
7371	437279.18	3761892.22	1.16E-08	3.65E-08	4.80E-08	1.80E-09	5.96E-09	7.75E-09	9.69E-10	2.76E-09	3.73E-09
7372	436523.8	3762698.91	1.83E-08	5.77E-08	7.60E-08	2.85E-09	9.42E-09	1.23E-08	1.53E-09	4.37E-09	5.90E-09
7373	436523.8	3762708.61	1.84E-08	5.78E-08	7.62E-08	2.85E-09	9.45E-09	1.23E-08	1.54E-09	4.38E-09	5.92E-09
7374	436523.8	3762718.3	1.84E-08	5.79E-08	7.63E-08	2.86E-09	9.46E-09	1.23E-08	1.54E-09	4.39E-09	5.93E-09
7375	436523.8	3762728	1.84E-08	5.80E-08	7.64E-08	2.86E-09	9.47E-09	1.23E-08	1.54E-09	4.39E-09	5.93E-09
7376	436523.8	3762737.69	1.84E-08	5.80E-08	7.64E-08	2.86E-09	9.48E-09	1.23E-08	1.54E-09	4.40E-09	5.94E-09
7377	436523.8	3762747.39	1.84E-08	5.80E-08	7.65E-08	2.86E-09	9.48E-09	1.23E-08	1.54E-09	4.40E-09	5.94E-09

7378	436523.8	3762757.09	1.84E-08	5.80E-08	7.64E-08	2.86E-09	9.48E-09	1.23E-08	1.54E-09	4.40E-09	5.94E-09
7379	436523.8	3762766.78	1.84E-08	5.79E-08	7.63E-08	2.86E-09	9.47E-09	1.23E-08	1.54E-09	4.39E-09	5.93E-09
7380	436523.8	3762776.48	1.84E-08	5.79E-08	7.62E-08	2.85E-09	9.45E-09	1.23E-08	1.54E-09	4.38E-09	5.92E-09
7381	436523.8	3762786.17	1.83E-08	5.77E-08	7.61E-08	2.85E-09	9.43E-09	1.23E-08	1.53E-09	4.38E-09	5.91E-09
7382	436523.8	3762795.87	1.83E-08	5.76E-08	7.59E-08	2.84E-09	9.41E-09	1.23E-08	1.53E-09	4.37E-09	5.90E-09
7383	436523.8	3762805.56	1.82E-08	5.75E-08	7.57E-08	2.84E-09	9.39E-09	1.22E-08	1.53E-09	4.35E-09	5.88E-09
7384	436523.8	3762815.26	1.82E-08	5.73E-08	7.55E-08	2.83E-09	9.36E-09	1.22E-08	1.52E-09	4.34E-09	5.86E-09
7385	436523.8	3762824.96	1.81E-08	5.71E-08	7.53E-08	2.82E-09	9.33E-09	1.21E-08	1.52E-09	4.33E-09	5.85E-09
7386	436523.8	3762834.65	1.81E-08	5.69E-08	7.50E-08	2.81E-09	9.30E-09	1.21E-08	1.51E-09	4.31E-09	5.82E-09
7387	436523.8	3762844.35	1.8E-08	5.67E-08	7.47E-08	2.80E-09	9.26E-09	1.21E-08	1.51E-09	4.30E-09	5.80E-09
7388	436523.8	3762854.04	1.79E-08	5.65E-08	7.44E-08	2.79E-09	9.23E-09	1.20E-08	1.50E-09	4.28E-09	5.78E-09
7389	436487.45	3762690.05	1.7E-08	5.37E-08	7.07E-08	2.65E-09	8.77E-09	1.14E-08	1.43E-09	4.07E-09	5.49E-09
7390	436491.11	3762681.19	1.71E-08	5.39E-08	7.10E-08	2.66E-09	8.80E-09	1.15E-08	1.43E-09	4.08E-09	5.52E-09
7391	436494.76	3762672.33	1.72E-08	5.41E-08	7.13E-08	2.67E-09	8.84E-09	1.15E-08	1.44E-09	4.10E-09	5.54E-09
7392	436498.42	3762663.46	1.72E-08	5.42E-08	7.15E-08	2.68E-09	8.86E-09	1.15E-08	1.44E-09	4.11E-09	5.55E-09
7393	436502.07	3762654.6	1.73E-08	5.44E-08	7.17E-08	2.68E-09	8.88E-09	1.16E-08	1.45E-09	4.12E-09	5.57E-09
7394	436505.72	3762645.74	1.73E-08	5.45E-08	7.18E-08	2.69E-09	8.90E-09	1.16E-08	1.45E-09	4.13E-09	5.58E-09
7395	436509.38	3762636.88	1.73E-08	5.46E-08	7.19E-08	2.69E-09	8.91E-09	1.16E-08	1.45E-09	4.14E-09	5.59E-09
7396	436513.03	3762628.02	1.73E-08	5.46E-08	7.19E-08	2.69E-09	8.92E-09	1.16E-08	1.45E-09	4.14E-09	5.59E-09
7397	436516.69	3762619.16	1.73E-08	5.46E-08	7.20E-08	2.70E-09	8.93E-09	1.16E-08	1.45E-09	4.14E-09	5.59E-09
7398	436520.34	3762610.3	1.73E-08	5.46E-08	7.20E-08	2.70E-09	8.92E-09	1.16E-08	1.45E-09	4.14E-09	5.59E-09
7399	436524	3762601.44	1.73E-08	5.46E-08	7.19E-08	2.69E-09	8.91E-09	1.16E-08	1.45E-09	4.14E-09	5.59E-09
7400	436527.65	3762592.57	1.73E-08	5.45E-08	7.18E-08	2.69E-09	8.90E-09	1.16E-08	1.45E-09	4.13E-09	5.58E-09
7401	436531.3	3762583.71	1.73E-08	5.44E-08	7.17E-08	2.68E-09	8.89E-09	1.16E-08	1.45E-09	4.12E-09	5.57E-09
7402	436534.96	3762574.85	1.72E-08	5.43E-08	7.15E-08	2.68E-09	8.87E-09	1.15E-08	1.44E-09	4.11E-09	5.56E-09
7403	436538.61	3762565.99	1.72E-08	5.41E-08	7.13E-08	2.67E-09	8.84E-09	1.15E-08	1.44E-09	4.10E-09	5.54E-09
7404	436542.27	3762557.13	1.71E-08	5.39E-08	7.11E-08	2.66E-09	8.81E-09	1.15E-08	1.43E-09	4.09E-09	5.52E-09
7405	436545.92	3762548.27	1.71E-08	5.37E-08	7.08E-08	2.65E-09	8.78E-09	1.14E-08	1.43E-09	4.07E-09	5.50E-09
7406	436549.57	3762539.41	1.7E-08	5.35E-08	7.05E-08	2.64E-09	8.74E-09	1.14E-08	1.42E-09	4.05E-09	5.48E-09
7407	436589.77	3762441.93	1.6E-08	5.03E-08	6.62E-08	2.48E-09	8.21E-09	1.07E-08	1.34E-09	3.81E-09	5.15E-09
7408	436593.42	3762433.07	1.59E-08	4.99E-08	6.58E-08	2.46E-09	8.16E-09	1.06E-08	1.33E-09	3.78E-09	5.11E-09
7409	436597.08	3762424.21	1.58E-08	4.96E-08	6.54E-08	2.45E-09	8.11E-09	1.06E-08	1.32E-09	3.76E-09	5.08E-09
7410	436600.73	3762415.35	1.57E-08	4.93E-08	6.50E-08	2.43E-09	8.06E-09	1.05E-08	1.31E-09	3.74E-09	5.05E-09
7411	436604.39	3762406.49	1.56E-08	4.90E-08	6.46E-08	2.42E-09	8.01E-09	1.04E-08	1.30E-09	3.71E-09	5.02E-09
7412	436608.04	3762397.63	1.55E-08	4.87E-08	6.42E-08	2.40E-09	7.96E-09	1.04E-08	1.29E-09	3.69E-09	4.99E-09
7413	436611.7	3762388.76	1.54E-08	4.84E-08	6.38E-08	2.39E-09	7.91E-09	1.03E-08	1.29E-09	3.67E-09	4.95E-09
7414	436626.31	3762353.32	1.5E-08	4.72E-08	6.22E-08	2.33E-09	7.71E-09	1.00E-08	1.25E-09	3.58E-09	4.83E-09
7415	436629.97	3762344.46	1.49E-08	4.69E-08	6.18E-08	2.31E-09	7.66E-09	9.97E-09	1.25E-09	3.55E-09	4.80E-09
7416	436633.62	3762335.6	1.48E-08	4.66E-08	6.14E-08	2.30E-09	7.61E-09	9.91E-09	1.24E-09	3.53E-09	4.77E-09
7417	436637.27	3762326.73	1.47E-08	4.63E-08	6.10E-08	2.28E-09	7.56E-09	9.85E-09	1.23E-09	3.51E-09	4.74E-09
7418	436640.93	3762317.87	1.46E-08	4.60E-08	6.06E-08	2.27E-09	7.52E-09	9.79E-09	1.22E-09	3.49E-09	4.71E-09
7419	436644.58	3762309.01	1.45E-08	4.57E-08	6.03E-08	2.26E-09	7.47E-09	9.73E-09	1.22E-09	3.47E-09	4.68E-09
7420	436648.24	3762300.15	1.44E-08	4.55E-08	5.99E-08	2.24E-09	7.43E-09	9.67E-09	1.21E-09	3.45E-09	4.65E-09
7421	436651.89	3762291.29	1.44E-08	4.52E-08	5.95E-08	2.23E-09	7.38E-09	9.61E-09	1.20E-09	3.42E-09	4.63E-09
7422	436655.55	3762282.43	1.43E-08	4.49E-08	5.92E-08	2.22E-09	7.34E-09	9.55E-09	1.19E-09	3.40E-09	4.60E-09
7423	436659.2	3762273.57	1.42E-08	4.47E-08	5.88E-08	2.20E-09	7.30E-09	9.50E-09	1.19E-09	3.38E-09	4.57E-09
7424	436662.85	3762264.71	1.41E-08	4.44E-08	5.85E-08	2.19E-09	7.25E-09	9.44E-09	1.18E-09	3.36E-09	4.54E-09
7425	436666.51	3762255.84	1.4E-08	4.41E-08	5.81E-08	2.18E-09	7.20E-09	9.38E-09	1.17E-09	3.34E-09	4.51E-09
7426	436670.16	3762246.98	1.39E-08	4.38E-08	5.77E-08	2.16E-09	7.15E-09	9.31E-09	1.16E-09	3.32E-09	4.48E-09
7427	436673.82	3762238.12	1.38E-08	4.35E-08	5.73E-08	2.15E-09	7.10E-09	9.25E-09	1.16E-09	3.29E-09	4.45E-09
7428	436677.47	3762229.26	1.37E-08	4.32E-08	5.69E-08	2.13E-09	7.06E-09	9.19E-09	1.15E-09	3.27E-09	4.42E-09
7429	436681.12	3762220.4	1.36E-08	4.29E-08	5.66E-08	2.12E-09	7.01E-09	9.13E-09	1.14E-09	3.25E-09	4.39E-09
7430	436684.78	3762211.54	1.35E-08	4.26E-08	5.62E-08	2.10E-09	6.96E-09	9.07E-09	1.13E-09	3.23E-09	4.36E-09
7431	436688.43	3762202.68	1.35E-08	4.24E-08	5.58E-08	2.09E-09	6.92E-09	9.01E-09	1.13E-09	3.21E-09	4.34E-09
7432	436978.22	3761978.45	1.25E-08	3.94E-08	5.19E-08	1.94E-09	6.43E-09	8.37E-09	1.05E-09	2.98E-09	4.03E-09
7433	436987.06	3761974.74	1.25E-08	3.93E-08	5.17E-08	1.94E-09	6.41E-09	8.35E-09	1.04E-09	2.97E-09	4.02E-09
7434	436995.9	3761971.03	1.24E-08	3.92E-08	5.16E-08	1.93E-09	6.40E-09	8.33E-09	1.04E-09	2.97E-09	4.01E-09
7435	437004.73	3761967.32	1.24E-08	3.91E-08	5.15E-08	1.93E-09	6.38E-09	8.31E-09	1.04E-09	2.96E-09	4.00E-09
7436	437013.57	3761963.61	1.24E-08	3.90E-08	5.14E-08	1.92E-09	6.37E-09	8.29E-09	1.04E-09	2.95E-09	3.99E-09
7437	437022.41	3761959.9	1.23E-08	3.89E-08	5.12E-08	1.92E-09	6.35E-09	8.27E-09	1.03E-09	2.95E-09	3.98E-09
7438	437031.25	3761956.19	1.23E-08	3.88E-08	5.11E-08	1.91E-09	6.33E-09	8.25E-09	1.03E-09	2.94E-09	3.97E-09

7439	437040.09	3761952.48	1.23E-08	3.87E-08	5.09E-08	1.91E-09	6.31E-09	8.22E-09	1.03E-09	2.93E-09	3.96E-09
7440	437048.93	3761948.77	1.22E-08	3.85E-08	5.07E-08	1.90E-09	6.29E-09	8.19E-09	1.02E-09	2.92E-09	3.94E-09
7441	437057.76	3761945.06	1.22E-08	3.83E-08	5.05E-08	1.89E-09	6.26E-09	8.15E-09	1.02E-09	2.91E-09	3.92E-09
7442	437066.6	3761941.35	1.21E-08	3.82E-08	5.03E-08	1.88E-09	6.24E-09	8.12E-09	1.01E-09	2.89E-09	3.91E-09
7443	437075.44	3761937.64	1.21E-08	3.80E-08	5.00E-08	1.87E-09	6.20E-09	8.08E-09	1.01E-09	2.88E-09	3.89E-09
7444	437084.28	3761933.93	1.2E-08	3.78E-08	4.98E-08	1.86E-09	6.17E-09	8.03E-09	1.00E-09	2.86E-09	3.87E-09
7445	437093.12	3761930.22	1.19E-08	3.76E-08	4.95E-08	1.85E-09	6.14E-09	7.99E-09	9.98E-10	2.85E-09	3.84E-09
7446	437101.95	3761926.51	1.19E-08	3.73E-08	4.92E-08	1.84E-09	6.10E-09	7.94E-09	9.93E-10	2.83E-09	3.82E-09
7447	437110.79	3761922.8	1.18E-08	3.72E-08	4.89E-08	1.83E-09	6.07E-09	7.90E-09	9.87E-10	2.82E-09	3.80E-09
7448	437119.63	3761919.09	1.17E-08	3.69E-08	4.87E-08	1.82E-09	6.03E-09	7.86E-09	9.82E-10	2.80E-09	3.78E-09
7449	437128.47	3761915.38	1.17E-08	3.67E-08	4.84E-08	1.81E-09	6.00E-09	7.82E-09	9.77E-10	2.78E-09	3.76E-09
7450	437137.31	3761911.67	1.16E-08	3.65E-08	4.82E-08	1.80E-09	5.97E-09	7.77E-09	9.71E-10	2.77E-09	3.74E-09
7451	437146.14	3761907.96	1.15E-08	3.64E-08	4.79E-08	1.79E-09	5.94E-09	7.73E-09	9.66E-10	2.75E-09	3.72E-09
7452	437154.98	3761904.25	1.15E-08	3.61E-08	4.76E-08	1.78E-09	5.90E-09	7.69E-09	9.61E-10	2.74E-09	3.70E-09
7453	437163.82	3761900.54	1.14E-08	3.59E-08	4.74E-08	1.77E-09	5.87E-09	7.65E-09	9.55E-10	2.72E-09	3.68E-09
7454	437172.66	3761896.83	1.13E-08	3.57E-08	4.71E-08	1.76E-09	5.84E-09	7.60E-09	9.50E-10	2.71E-09	3.66E-09
7455	437181.5	3761893.12	1.13E-08	3.55E-08	4.68E-08	1.75E-09	5.81E-09	7.56E-09	9.45E-10	2.69E-09	3.64E-09
7456	437190.34	3761889.41	1.12E-08	3.54E-08	4.66E-08	1.74E-09	5.78E-09	7.52E-09	9.40E-10	2.68E-09	3.62E-09
7457	436483.8	3762698.91	1.7E-08	5.34E-08	7.04E-08	2.64E-09	8.73E-09	1.14E-08	1.42E-09	4.05E-09	5.47E-09
7458	436483.8	3762708.61	1.7E-08	5.35E-08	7.05E-08	2.64E-09	8.74E-09	1.14E-08	1.42E-09	4.06E-09	5.48E-09
7459	436483.8	3762718.3	1.7E-08	5.36E-08	7.06E-08	2.64E-09	8.76E-09	1.14E-08	1.42E-09	4.06E-09	5.49E-09
7460	436483.8	3762728	1.7E-08	5.36E-08	7.07E-08	2.65E-09	8.76E-09	1.14E-08	1.43E-09	4.06E-09	5.49E-09
7461	436483.8	3762737.69	1.7E-08	5.36E-08	7.07E-08	2.65E-09	8.76E-09	1.14E-08	1.43E-09	4.06E-09	5.49E-09
7462	436483.8	3762747.39	1.7E-08	5.36E-08	7.07E-08	2.65E-09	8.76E-09	1.14E-08	1.43E-09	4.06E-09	5.49E-09
7463	436483.8	3762757.09	1.7E-08	5.36E-08	7.06E-08	2.64E-09	8.75E-09	1.14E-08	1.42E-09	4.06E-09	5.49E-09
7464	436483.8	3762766.78	1.7E-08	5.35E-08	7.05E-08	2.64E-09	8.74E-09	1.14E-08	1.42E-09	4.06E-09	5.48E-09
7465	436483.8	3762776.48	1.7E-08	5.34E-08	7.04E-08	2.64E-09	8.73E-09	1.14E-08	1.42E-09	4.05E-09	5.47E-09
7466	436483.8	3762786.17	1.69E-08	5.33E-08	7.03E-08	2.63E-09	8.71E-09	1.13E-08	1.42E-09	4.04E-09	5.46E-09
7467	436483.8	3762795.87	1.69E-08	5.32E-08	7.01E-08	2.63E-09	8.70E-09	1.13E-08	1.41E-09	4.03E-09	5.45E-09
7468	436483.8	3762805.56	1.69E-08	5.31E-08	7.00E-08	2.62E-09	8.67E-09	1.13E-08	1.41E-09	4.02E-09	5.43E-09
7469	436483.8	3762815.26	1.68E-08	5.30E-08	6.98E-08	2.61E-09	8.65E-09	1.13E-08	1.41E-09	4.01E-09	5.42E-09
7470	436483.8	3762824.96	1.68E-08	5.28E-08	6.95E-08	2.60E-09	8.62E-09	1.12E-08	1.40E-09	4.00E-09	5.40E-09
7471	436483.8	3762834.65	1.67E-08	5.26E-08	6.93E-08	2.60E-09	8.59E-09	1.12E-08	1.40E-09	3.99E-09	5.38E-09
7472	436483.8	3762844.35	1.66E-08	5.24E-08	6.91E-08	2.59E-09	8.56E-09	1.11E-08	1.39E-09	3.97E-09	5.36E-09
7473	436483.8	3762854.04	1.66E-08	5.22E-08	6.88E-08	2.58E-09	8.53E-09	1.11E-08	1.39E-09	3.96E-09	5.34E-09
7474	436447.46	3762690.03	1.58E-08	4.99E-08	6.57E-08	2.46E-09	8.15E-09	1.06E-08	1.33E-09	3.78E-09	5.11E-09
7475	436451.13	3762681.14	1.59E-08	5.01E-08	6.60E-08	2.47E-09	8.18E-09	1.07E-08	1.33E-09	3.80E-09	5.13E-09
7476	436454.79	3762672.26	1.6E-08	5.03E-08	6.62E-08	2.48E-09	8.21E-09	1.07E-08	1.34E-09	3.81E-09	5.15E-09
7477	436458.45	3762663.38	1.6E-08	5.04E-08	6.65E-08	2.49E-09	8.24E-09	1.07E-08	1.34E-09	3.82E-09	5.16E-09
7478	436462.12	3762654.49	1.61E-08	5.06E-08	6.66E-08	2.50E-09	8.26E-09	1.08E-08	1.34E-09	3.83E-09	5.18E-09
7479	436465.78	3762645.61	1.61E-08	5.07E-08	6.68E-08	2.50E-09	8.28E-09	1.08E-08	1.35E-09	3.84E-09	5.19E-09
7480	436469.44	3762636.73	1.61E-08	5.08E-08	6.69E-08	2.50E-09	8.29E-09	1.08E-08	1.35E-09	3.85E-09	5.20E-09
7481	436473.11	3762627.84	1.61E-08	5.08E-08	6.70E-08	2.51E-09	8.30E-09	1.08E-08	1.35E-09	3.85E-09	5.20E-09
7482	436476.77	3762618.96	1.62E-08	5.09E-08	6.70E-08	2.51E-09	8.31E-09	1.08E-08	1.35E-09	3.85E-09	5.21E-09
7483	436480.43	3762610.08	1.62E-08	5.09E-08	6.70E-08	2.51E-09	8.31E-09	1.08E-08	1.35E-09	3.86E-09	5.21E-09
7484	436484.1	3762601.19	1.62E-08	5.09E-08	6.70E-08	2.51E-09	8.31E-09	1.08E-08	1.35E-09	3.85E-09	5.21E-09
7485	436487.76	3762592.31	1.61E-08	5.08E-08	6.69E-08	2.51E-09	8.30E-09	1.08E-08	1.35E-09	3.85E-09	5.20E-09
7486	436491.42	3762583.43	1.61E-08	5.07E-08	6.69E-08	2.50E-09	8.29E-09	1.08E-08	1.35E-09	3.85E-09	5.19E-09
7487	436495.09	3762574.54	1.61E-08	5.07E-08	6.67E-08	2.50E-09	8.27E-09	1.08E-08	1.35E-09	3.84E-09	5.18E-09
7488	436498.75	3762565.66	1.6E-08	5.05E-08	6.66E-08	2.49E-09	8.26E-09	1.07E-08	1.34E-09	3.83E-09	5.17E-09
7489	436502.41	3762556.78	1.6E-08	5.04E-08	6.64E-08	2.49E-09	8.23E-09	1.07E-08	1.34E-09	3.82E-09	5.16E-09
7490	436506.08	3762547.89	1.6E-08	5.02E-08	6.62E-08	2.48E-09	8.21E-09	1.07E-08	1.34E-09	3.81E-09	5.14E-09
7491	436509.74	3762539.01	1.59E-08	5.01E-08	6.59E-08	2.47E-09	8.18E-09	1.06E-08	1.33E-09	3.79E-09	5.12E-09
7492	436513.4	3762530.13	1.58E-08	4.98E-08	6.57E-08	2.46E-09	8.14E-09	1.06E-08	1.32E-09	3.78E-09	5.10E-09
7493	436517.07	3762521.24	1.58E-08	4.96E-08	6.54E-08	2.45E-09	8.11E-09	1.06E-08	1.32E-09	3.76E-09	5.08E-09
7494	436520.73	3762512.36	1.57E-08	4.94E-08	6.51E-08	2.44E-09	8.07E-09	1.05E-08	1.31E-09	3.74E-09	5.05E-09
7495	436524.39	3762503.48	1.56E-08	4.91E-08	6.47E-08	2.42E-09	8.03E-09	1.04E-08	1.31E-09	3.72E-09	5.03E-09
7496	436528.05	3762494.59	1.55E-08	4.89E-08	6.44E-08	2.41E-09	7.98E-09	1.04E-08	1.30E-09	3.70E-09	5.00E-09
7497	436531.72	3762485.71	1.54E-08	4.86E-08	6.40E-08	2.40E-09	7.93E-09	1.03E-08	1.29E-09	3.68E-09	4.97E-09
7498	436535.38	3762476.83	1.53E-08	4.83E-08	6.36E-08	2.38E-09	7.88E-09	1.03E-08	1.28E-09	3.66E-09	4.94E-09
7499	436539.04	3762467.94	1.52E-08	4.80E-08	6.32E-08	2.37E-09	7.84E-09	1.02E-08	1.27E-09	3.63E-09	4.91E-09

7500	436542.71	3762459.06	1.51E-08	4.77E-08	6.28E-08	2.35E-09	7.79E-09	1.01E-08	1.27E-09	3.61E-09	4.88E-09
7501	436546.37	3762450.18	1.5E-08	4.74E-08	6.24E-08	2.34E-09	7.74E-09	1.01E-08	1.26E-09	3.59E-09	4.85E-09
7502	436583	3762361.34	1.41E-08	4.46E-08	5.87E-08	2.20E-09	7.28E-09	9.48E-09	1.18E-09	3.38E-09	4.56E-09
7503	436586.67	3762352.46	1.41E-08	4.43E-08	5.83E-08	2.18E-09	7.23E-09	9.42E-09	1.18E-09	3.36E-09	4.53E-09
7504	436590.33	3762343.57	1.4E-08	4.40E-08	5.80E-08	2.17E-09	7.19E-09	9.36E-09	1.17E-09	3.33E-09	4.50E-09
7505	436593.99	3762334.69	1.39E-08	4.37E-08	5.76E-08	2.16E-09	7.14E-09	9.30E-09	1.16E-09	3.31E-09	4.48E-09
7506	436597.66	3762325.81	1.38E-08	4.35E-08	5.73E-08	2.14E-09	7.10E-09	9.25E-09	1.16E-09	3.29E-09	4.45E-09
7507	436601.32	3762316.92	1.37E-08	4.32E-08	5.69E-08	2.13E-09	7.06E-09	9.19E-09	1.15E-09	3.27E-09	4.42E-09
7508	436604.98	3762308.04	1.36E-08	4.30E-08	5.66E-08	2.12E-09	7.02E-09	9.14E-09	1.14E-09	3.26E-09	4.40E-09
7509	436608.65	3762299.16	1.36E-08	4.27E-08	5.63E-08	2.11E-09	6.98E-09	9.08E-09	1.13E-09	3.24E-09	4.37E-09
7510	436612.31	3762290.27	1.35E-08	4.25E-08	5.59E-08	2.09E-09	6.94E-09	9.03E-09	1.13E-09	3.22E-09	4.35E-09
7511	436615.97	3762281.39	1.34E-08	4.22E-08	5.56E-08	2.08E-09	6.90E-09	8.98E-09	1.12E-09	3.20E-09	4.32E-09
7512	436619.64	3762272.51	1.33E-08	4.20E-08	5.53E-08	2.07E-09	6.86E-09	8.93E-09	1.12E-09	3.18E-09	4.30E-09
7513	436623.3	3762263.62	1.33E-08	4.17E-08	5.50E-08	2.06E-09	6.82E-09	8.88E-09	1.11E-09	3.16E-09	4.27E-09
7514	436626.96	3762254.74	1.32E-08	4.15E-08	5.47E-08	2.05E-09	6.78E-09	8.83E-09	1.10E-09	3.14E-09	4.25E-09
7515	436630.63	3762245.86	1.31E-08	4.13E-08	5.44E-08	2.04E-09	6.74E-09	8.78E-09	1.10E-09	3.13E-09	4.22E-09
7516	436634.29	3762236.97	1.3E-08	4.10E-08	5.40E-08	2.02E-09	6.70E-09	8.72E-09	1.09E-09	3.11E-09	4.20E-09
7517	436637.95	3762228.09	1.3E-08	4.08E-08	5.37E-08	2.01E-09	6.66E-09	8.68E-09	1.08E-09	3.09E-09	4.18E-09
7518	436641.62	3762219.21	1.29E-08	4.06E-08	5.34E-08	2.00E-09	6.63E-09	8.63E-09	1.08E-09	3.07E-09	4.15E-09
7519	436645.28	3762210.32	1.28E-08	4.03E-08	5.31E-08	1.99E-09	6.59E-09	8.57E-09	1.07E-09	3.05E-09	4.13E-09
7520	436648.94	3762201.44	1.27E-08	4.01E-08	5.28E-08	1.98E-09	6.54E-09	8.52E-09	1.06E-09	3.04E-09	4.10E-09
7521	436652.61	3762192.56	1.26E-08	3.98E-08	5.25E-08	1.97E-09	6.51E-09	8.47E-09	1.06E-09	3.02E-09	4.08E-09
7522	436656.27	3762183.67	1.26E-08	3.96E-08	5.22E-08	1.95E-09	6.47E-09	8.42E-09	1.05E-09	3.00E-09	4.05E-09
7523	436659.93	3762174.79	1.25E-08	3.93E-08	5.18E-08	1.94E-09	6.43E-09	8.37E-09	1.05E-09	2.98E-09	4.03E-09
7524	436663.6	3762165.91	1.24E-08	3.91E-08	5.15E-08	1.93E-09	6.39E-09	8.32E-09	1.04E-09	2.96E-09	4.00E-09
7525	436667.26	3762157.02	1.23E-08	3.88E-08	5.12E-08	1.92E-09	6.35E-09	8.26E-09	1.03E-09	2.94E-09	3.98E-09
7526	436670.92	3762148.14	1.23E-08	3.86E-08	5.09E-08	1.90E-09	6.31E-09	8.21E-09	1.03E-09	2.92E-09	3.95E-09
7527	436674.58	3762139.26	1.22E-08	3.84E-08	5.05E-08	1.89E-09	6.27E-09	8.16E-09	1.02E-09	2.91E-09	3.93E-09
7528	436678.25	3762130.37	1.21E-08	3.81E-08	5.02E-08	1.88E-09	6.22E-09	8.10E-09	1.01E-09	2.89E-09	3.90E-09
7529	436879.56	3761979.76	1.18E-08	3.72E-08	4.90E-08	1.84E-09	6.08E-09	7.91E-09	9.89E-10	2.82E-09	3.81E-09
7530	436888.42	3761976.04	1.18E-08	3.72E-08	4.90E-08	1.84E-09	6.08E-09	7.92E-09	9.89E-10	2.82E-09	3.81E-09
7531	436897.28	3761972.32	1.18E-08	3.72E-08	4.90E-08	1.84E-09	6.08E-09	7.92E-09	9.89E-10	2.82E-09	3.81E-09
7532	436906.14	3761968.6	1.18E-08	3.72E-08	4.90E-08	1.84E-09	6.08E-09	7.92E-09	9.89E-10	2.82E-09	3.81E-09
7533	436915	3761964.88	1.18E-08	3.72E-08	4.90E-08	1.84E-09	6.08E-09	7.91E-09	9.89E-10	2.82E-09	3.81E-09
7534	436923.86	3761961.16	1.18E-08	3.72E-08	4.89E-08	1.83E-09	6.07E-09	7.90E-09	9.87E-10	2.82E-09	3.80E-09
7535	436932.72	3761957.45	1.18E-08	3.71E-08	4.88E-08	1.83E-09	6.06E-09	7.89E-09	9.85E-10	2.81E-09	3.79E-09
7536	436941.58	3761953.73	1.17E-08	3.70E-08	4.87E-08	1.83E-09	6.04E-09	7.87E-09	9.83E-10	2.80E-09	3.79E-09
7537	436950.44	3761950.01	1.17E-08	3.69E-08	4.86E-08	1.82E-09	6.03E-09	7.85E-09	9.81E-10	2.80E-09	3.78E-09
7538	436959.3	3761946.29	1.17E-08	3.68E-08	4.85E-08	1.82E-09	6.02E-09	7.83E-09	9.79E-10	2.79E-09	3.77E-09
7539	436968.16	3761942.57	1.17E-08	3.68E-08	4.84E-08	1.81E-09	6.00E-09	7.82E-09	9.77E-10	2.79E-09	3.76E-09
7540	436977.02	3761938.85	1.16E-08	3.67E-08	4.83E-08	1.81E-09	5.99E-09	7.80E-09	9.75E-10	2.78E-09	3.75E-09
7541	436985.88	3761935.13	1.16E-08	3.66E-08	4.82E-08	1.80E-09	5.98E-09	7.78E-09	9.72E-10	2.77E-09	3.74E-09
7542	436994.74	3761931.41	1.16E-08	3.65E-08	4.80E-08	1.80E-09	5.96E-09	7.75E-09	9.69E-10	2.76E-09	3.73E-09
7543	437003.6	3761927.69	1.15E-08	3.63E-08	4.79E-08	1.79E-09	5.94E-09	7.73E-09	9.66E-10	2.75E-09	3.72E-09
7544	437012.46	3761923.97	1.15E-08	3.62E-08	4.77E-08	1.79E-09	5.92E-09	7.70E-09	9.62E-10	2.74E-09	3.71E-09
7545	437021.32	3761920.25	1.15E-08	3.61E-08	4.75E-08	1.78E-09	5.89E-09	7.67E-09	9.59E-10	2.73E-09	3.69E-09
7546	437030.18	3761916.54	1.14E-08	3.59E-08	4.73E-08	1.77E-09	5.87E-09	7.64E-09	9.55E-10	2.72E-09	3.68E-09
7547	437039.04	3761912.82	1.14E-08	3.58E-08	4.72E-08	1.77E-09	5.85E-09	7.61E-09	9.51E-10	2.71E-09	3.66E-09
7548	437047.9	3761909.1	1.13E-08	3.56E-08	4.69E-08	1.76E-09	5.82E-09	7.58E-09	9.47E-10	2.70E-09	3.65E-09
7549	437056.76	3761905.38	1.13E-08	3.54E-08	4.67E-08	1.75E-09	5.79E-09	7.54E-09	9.42E-10	2.69E-09	3.63E-09
7550	437065.62	3761901.66	1.12E-08	3.53E-08	4.65E-08	1.74E-09	5.76E-09	7.50E-09	9.37E-10	2.67E-09	3.61E-09
7551	437074.48	3761897.94	1.11E-08	3.51E-08	4.62E-08	1.73E-09	5.73E-09	7.47E-09	9.33E-10	2.66E-09	3.59E-09
7552	437083.34	3761894.22	1.11E-08	3.49E-08	4.60E-08	1.72E-09	5.70E-09	7.43E-09	9.28E-10	2.65E-09	3.57E-09
7553	437092.2	3761890.5	1.1E-08	3.47E-08	4.58E-08	1.71E-09	5.68E-09	7.39E-09	9.24E-10	2.63E-09	3.56E-09
7554	437101.06	3761886.78	1.1E-08	3.46E-08	4.56E-08	1.71E-09	5.65E-09	7.35E-09	9.19E-10	2.62E-09	3.54E-09
7555	436443.8	3762698.91	1.58E-08	4.96E-08	6.54E-08	2.45E-09	8.11E-09	1.06E-08	1.32E-09	3.76E-09	5.08E-09
7556	436443.8	3762708.61	1.58E-08	4.97E-08	6.55E-08	2.45E-09	8.12E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09
7557	436443.8	3762718.3	1.58E-08	4.98E-08	6.56E-08	2.46E-09	8.13E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09
7558	436443.8	3762728	1.58E-08	4.98E-08	6.56E-08	2.46E-09	8.14E-09	1.06E-08	1.32E-09	3.77E-09	5.10E-09
7559	436443.8	3762737.69	1.58E-08	4.98E-08	6.56E-08	2.46E-09	8.14E-09	1.06E-08	1.32E-09	3.77E-09	5.10E-09
7560	436443.8	3762747.39	1.58E-08	4.98E-08	6.56E-08	2.46E-09	8.13E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09

7561	436443.8	3762757.09	1.58E-08	4.97E-08	6.55E-08	2.45E-09	8.13E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09
7562	436443.8	3762766.78	1.58E-08	4.97E-08	6.54E-08	2.45E-09	8.11E-09	1.06E-08	1.32E-09	3.76E-09	5.08E-09
7563	436443.8	3762776.48	1.57E-08	4.96E-08	6.53E-08	2.45E-09	8.10E-09	1.05E-08	1.32E-09	3.76E-09	5.07E-09
7564	436443.8	3762786.17	1.57E-08	4.95E-08	6.52E-08	2.44E-09	8.08E-09	1.05E-08	1.32E-09	3.75E-09	5.07E-09
7565	436443.8	3762795.87	1.57E-08	4.94E-08	6.51E-08	2.44E-09	8.07E-09	1.05E-08	1.31E-09	3.74E-09	5.05E-09
7566	436443.8	3762805.56	1.56E-08	4.93E-08	6.49E-08	2.43E-09	8.05E-09	1.05E-08	1.31E-09	3.73E-09	5.04E-09
7567	436443.8	3762815.26	1.56E-08	4.91E-08	6.47E-08	2.42E-09	8.03E-09	1.04E-08	1.31E-09	3.72E-09	5.03E-09
7568	436443.8	3762824.96	1.56E-08	4.90E-08	6.45E-08	2.42E-09	8.00E-09	1.04E-08	1.30E-09	3.71E-09	5.01E-09
7569	436443.8	3762834.65	1.55E-08	4.88E-08	6.43E-08	2.41E-09	7.98E-09	1.04E-08	1.30E-09	3.70E-09	5.00E-09
7570	436443.8	3762844.35	1.55E-08	4.87E-08	6.41E-08	2.40E-09	7.95E-09	1.03E-08	1.29E-09	3.69E-09	4.98E-09
7571	436443.8	3762854.04	1.54E-08	4.85E-08	6.39E-08	2.39E-09	7.92E-09	1.03E-08	1.29E-09	3.67E-09	4.96E-09
7572	436407.47	3762690.01	1.48E-08	4.65E-08	6.12E-08	2.29E-09	7.59E-09	9.89E-09	1.24E-09	3.52E-09	4.76E-09
7573	436411.14	3762681.1	1.48E-08	4.67E-08	6.15E-08	2.30E-09	7.63E-09	9.93E-09	1.24E-09	3.54E-09	4.78E-09
7574	436414.81	3762672.2	1.49E-08	4.69E-08	6.18E-08	2.31E-09	7.66E-09	9.97E-09	1.25E-09	3.55E-09	4.80E-09
7575	436418.49	3762663.3	1.49E-08	4.70E-08	6.20E-08	2.32E-09	7.68E-09	1.00E-08	1.25E-09	3.56E-09	4.81E-09
7576	436422.16	3762654.39	1.5E-08	4.72E-08	6.21E-08	2.33E-09	7.71E-09	1.00E-08	1.25E-09	3.57E-09	4.83E-09
7577	436425.83	3762645.49	1.5E-08	4.73E-08	6.23E-08	2.33E-09	7.72E-09	1.01E-08	1.26E-09	3.58E-09	4.84E-09
7578	436429.5	3762636.58	1.5E-08	4.74E-08	6.24E-08	2.34E-09	7.74E-09	1.01E-08	1.26E-09	3.59E-09	4.85E-09
7579	436433.17	3762627.68	1.51E-08	4.74E-08	6.25E-08	2.34E-09	7.75E-09	1.01E-08	1.26E-09	3.59E-09	4.85E-09
7580	436436.84	3762618.78	1.51E-08	4.75E-08	6.26E-08	2.34E-09	7.76E-09	1.01E-08	1.26E-09	3.60E-09	4.86E-09
7581	436440.52	3762609.87	1.51E-08	4.75E-08	6.26E-08	2.34E-09	7.76E-09	1.01E-08	1.26E-09	3.60E-09	4.86E-09
7582	436444.19	3762600.97	1.51E-08	4.75E-08	6.26E-08	2.34E-09	7.76E-09	1.01E-08	1.26E-09	3.60E-09	4.86E-09
7583	436447.86	3762592.07	1.51E-08	4.75E-08	6.26E-08	2.34E-09	7.76E-09	1.01E-08	1.26E-09	3.60E-09	4.86E-09
7584	436451.53	3762583.16	1.51E-08	4.74E-08	6.25E-08	2.34E-09	7.75E-09	1.01E-08	1.26E-09	3.59E-09	4.86E-09
7585	436455.2	3762574.26	1.5E-08	4.74E-08	6.24E-08	2.34E-09	7.74E-09	1.01E-08	1.26E-09	3.59E-09	4.85E-09
7586	436458.87	3762565.35	1.5E-08	4.73E-08	6.23E-08	2.33E-09	7.72E-09	1.01E-08	1.26E-09	3.58E-09	4.84E-09
7587	436462.55	3762556.45	1.5E-08	4.72E-08	6.21E-08	2.33E-09	7.70E-09	1.00E-08	1.25E-09	3.57E-09	4.83E-09
7588	436466.22	3762547.55	1.49E-08	4.70E-08	6.19E-08	2.32E-09	7.68E-09	1.00E-08	1.25E-09	3.56E-09	4.81E-09
7589	436469.89	3762538.64	1.49E-08	4.69E-08	6.17E-08	2.31E-09	7.65E-09	9.97E-09	1.25E-09	3.55E-09	4.80E-09
7590	436473.56	3762529.74	1.48E-08	4.67E-08	6.15E-08	2.30E-09	7.63E-09	9.93E-09	1.24E-09	3.54E-09	4.78E-09
7591	436477.23	3762520.84	1.48E-08	4.65E-08	6.13E-08	2.29E-09	7.60E-09	9.89E-09	1.24E-09	3.52E-09	4.76E-09
7592	436480.9	3762511.93	1.47E-08	4.63E-08	6.10E-08	2.28E-09	7.56E-09	9.85E-09	1.23E-09	3.51E-09	4.74E-09
7593	436484.58	3762503.03	1.46E-08	4.61E-08	6.07E-08	2.27E-09	7.53E-09	9.80E-09	1.23E-09	3.49E-09	4.72E-09
7594	436488.25	3762494.12	1.46E-08	4.59E-08	6.04E-08	2.26E-09	7.49E-09	9.76E-09	1.22E-09	3.48E-09	4.70E-09
7595	436491.92	3762485.22	1.45E-08	4.56E-08	6.01E-08	2.25E-09	7.45E-09	9.70E-09	1.21E-09	3.46E-09	4.67E-09
7596	436495.59	3762476.32	1.44E-08	4.54E-08	5.98E-08	2.24E-09	7.41E-09	9.65E-09	1.21E-09	3.44E-09	4.64E-09
7597	436499.26	3762467.41	1.43E-08	4.51E-08	5.94E-08	2.22E-09	7.37E-09	9.59E-09	1.20E-09	3.42E-09	4.62E-09
7598	436502.93	3762458.51	1.42E-08	4.48E-08	5.90E-08	2.21E-09	7.32E-09	9.53E-09	1.19E-09	3.40E-09	4.59E-09
7599	436506.61	3762449.61	1.41E-08	4.45E-08	5.87E-08	2.20E-09	7.28E-09	9.47E-09	1.18E-09	3.38E-09	4.56E-09
7600	436510.28	3762440.7	1.41E-08	4.43E-08	5.83E-08	2.18E-09	7.23E-09	9.42E-09	1.18E-09	3.35E-09	4.53E-09
7601	436513.95	3762431.8	1.4E-08	4.40E-08	5.80E-08	2.17E-09	7.19E-09	9.36E-09	1.17E-09	3.33E-09	4.50E-09
7602	436517.62	3762422.89	1.39E-08	4.37E-08	5.76E-08	2.16E-09	7.14E-09	9.30E-09	1.16E-09	3.31E-09	4.47E-09
7603	436521.29	3762413.99	1.38E-08	4.34E-08	5.72E-08	2.14E-09	7.10E-09	9.24E-09	1.15E-09	3.29E-09	4.45E-09
7604	436524.96	3762405.09	1.37E-08	4.32E-08	5.69E-08	2.13E-09	7.05E-09	9.19E-09	1.15E-09	3.27E-09	4.42E-09
7605	436528.64	3762396.18	1.36E-08	4.29E-08	5.66E-08	2.12E-09	7.01E-09	9.13E-09	1.14E-09	3.25E-09	4.39E-09
7606	436532.31	3762387.28	1.35E-08	4.27E-08	5.62E-08	2.10E-09	6.97E-09	9.07E-09	1.13E-09	3.23E-09	4.37E-09
7607	436535.98	3762378.38	1.35E-08	4.24E-08	5.59E-08	2.09E-09	6.93E-09	9.02E-09	1.13E-09	3.21E-09	4.34E-09
7608	436546.99	3762351.67	1.32E-08	4.17E-08	5.49E-08	2.06E-09	6.81E-09	8.86E-09	1.11E-09	3.16E-09	4.26E-09
7609	436550.67	3762342.76	1.32E-08	4.14E-08	5.46E-08	2.04E-09	6.77E-09	8.81E-09	1.10E-09	3.14E-09	4.24E-09
7610	436554.34	3762333.86	1.31E-08	4.12E-08	5.42E-08	2.03E-09	6.73E-09	8.76E-09	1.09E-09	3.12E-09	4.21E-09
7611	436558.01	3762324.95	1.3E-08	4.09E-08	5.39E-08	2.02E-09	6.69E-09	8.71E-09	1.09E-09	3.10E-09	4.19E-09
7612	436561.68	3762316.05	1.29E-08	4.07E-08	5.36E-08	2.01E-09	6.65E-09	8.66E-09	1.08E-09	3.08E-09	4.17E-09
7613	436565.35	3762307.15	1.29E-08	4.05E-08	5.33E-08	2.00E-09	6.61E-09	8.61E-09	1.08E-09	3.07E-09	4.14E-09
7614	436569.02	3762298.24	1.28E-08	4.02E-08	5.30E-08	1.99E-09	6.57E-09	8.56E-09	1.07E-09	3.05E-09	4.12E-09
7615	436572.7	3762289.34	1.27E-08	4.00E-08	5.27E-08	1.98E-09	6.54E-09	8.52E-09	1.06E-09	3.03E-09	4.10E-09
7616	436576.37	3762280.44	1.26E-08	3.98E-08	5.25E-08	1.97E-09	6.51E-09	8.47E-09	1.06E-09	3.02E-09	4.08E-09
7617	436580.04	3762271.53	1.26E-08	3.96E-08	5.22E-08	1.95E-09	6.47E-09	8.43E-09	1.05E-09	3.00E-09	4.06E-09
7618	436583.71	3762262.63	1.25E-08	3.94E-08	5.19E-08	1.95E-09	6.44E-09	8.39E-09	1.05E-09	2.99E-09	4.04E-09
7619	436587.38	3762253.72	1.25E-08	3.92E-08	5.17E-08	1.94E-09	6.41E-09	8.34E-09	1.04E-09	2.97E-09	4.01E-09
7620	436591.05	3762244.82	1.24E-08	3.90E-08	5.14E-08	1.93E-09	6.38E-09	8.30E-09	1.04E-09	2.96E-09	3.99E-09
7621	436594.72	3762235.92	1.23E-08	3.88E-08	5.11E-08	1.92E-09	6.34E-09	8.26E-09	1.03E-09	2.94E-09	3.97E-09

7622	436598.4	3762227.01	1.23E-08	3.86E-08	5.09E-08	1.91E-09	6.31E-09	8.22E-09	1.03E-09	2.93E-09	3.95E-09
7623	436602.07	3762218.11	1.22E-08	3.84E-08	5.06E-08	1.90E-09	6.28E-09	8.17E-09	1.02E-09	2.91E-09	3.93E-09
7624	436605.74	3762209.21	1.21E-08	3.82E-08	5.04E-08	1.89E-09	6.24E-09	8.13E-09	1.02E-09	2.90E-09	3.91E-09
7625	436609.41	3762200.3	1.21E-08	3.80E-08	5.01E-08	1.87E-09	6.21E-09	8.08E-09	1.01E-09	2.88E-09	3.89E-09
7626	436613.08	3762191.4	1.2E-08	3.78E-08	4.98E-08	1.86E-09	6.17E-09	8.04E-09	1.00E-09	2.86E-09	3.87E-09
7627	436616.75	3762182.49	1.19E-08	3.75E-08	4.95E-08	1.85E-09	6.13E-09	7.99E-09	9.98E-10	2.84E-09	3.84E-09
7628	436620.43	3762173.59	1.18E-08	3.73E-08	4.92E-08	1.84E-09	6.09E-09	7.94E-09	9.92E-10	2.83E-09	3.82E-09
7629	436624.1	3762164.69	1.18E-08	3.71E-08	4.89E-08	1.83E-09	6.06E-09	7.89E-09	9.86E-10	2.81E-09	3.80E-09
7630	436627.77	3762155.78	1.17E-08	3.69E-08	4.86E-08	1.82E-09	6.02E-09	7.84E-09	9.80E-10	2.79E-09	3.77E-09
7631	436631.44	3762146.88	1.16E-08	3.66E-08	4.83E-08	1.81E-09	5.99E-09	7.79E-09	9.74E-10	2.78E-09	3.75E-09
7632	436635.11	3762137.98	1.16E-08	3.64E-08	4.80E-08	1.80E-09	5.95E-09	7.75E-09	9.68E-10	2.76E-09	3.73E-09
7633	436638.78	3762129.07	1.15E-08	3.62E-08	4.77E-08	1.79E-09	5.91E-09	7.70E-09	9.62E-10	2.74E-09	3.70E-09
7634	436642.46	3762120.17	1.14E-08	3.60E-08	4.74E-08	1.77E-09	5.88E-09	7.65E-09	9.56E-10	2.73E-09	3.68E-09
7635	436816.05	3761966.31	1.1E-08	3.46E-08	4.56E-08	1.71E-09	5.66E-09	7.37E-09	9.21E-10	2.63E-09	3.55E-09
7636	436824.93	3761962.59	1.1E-08	3.47E-08	4.57E-08	1.71E-09	5.67E-09	7.38E-09	9.22E-10	2.63E-09	3.55E-09
7637	436833.81	3761958.86	1.1E-08	3.47E-08	4.57E-08	1.71E-09	5.67E-09	7.38E-09	9.22E-10	2.63E-09	3.55E-09
7638	436842.69	3761955.13	1.1E-08	3.47E-08	4.58E-08	1.71E-09	5.68E-09	7.39E-09	9.24E-10	2.63E-09	3.56E-09
7639	436851.57	3761951.4	1.1E-08	3.48E-08	4.58E-08	1.72E-09	5.68E-09	7.40E-09	9.24E-10	2.64E-09	3.56E-09
7640	436860.45	3761947.68	1.11E-08	3.48E-08	4.59E-08	1.72E-09	5.69E-09	7.40E-09	9.25E-10	2.64E-09	3.56E-09
7641	436869.33	3761943.95	1.11E-08	3.48E-08	4.59E-08	1.72E-09	5.69E-09	7.40E-09	9.25E-10	2.64E-09	3.56E-09
7642	436878.21	3761940.22	1.11E-08	3.48E-08	4.59E-08	1.72E-09	5.69E-09	7.40E-09	9.25E-10	2.64E-09	3.56E-09
7643	436887.09	3761936.49	1.1E-08	3.48E-08	4.58E-08	1.72E-09	5.68E-09	7.40E-09	9.25E-10	2.64E-09	3.56E-09
7644	436895.97	3761932.76	1.1E-08	3.48E-08	4.58E-08	1.72E-09	5.68E-09	7.40E-09	9.24E-10	2.64E-09	3.56E-09
7645	436904.85	3761929.04	1.1E-08	3.47E-08	4.58E-08	1.71E-09	5.68E-09	7.39E-09	9.24E-10	2.63E-09	3.56E-09
7646	436913.74	3761925.31	1.1E-08	3.47E-08	4.57E-08	1.71E-09	5.67E-09	7.38E-09	9.22E-10	2.63E-09	3.55E-09
7647	436922.62	3761921.58	1.1E-08	3.47E-08	4.57E-08	1.71E-09	5.66E-09	7.37E-09	9.21E-10	2.63E-09	3.55E-09
7648	436931.5	3761917.85	1.1E-08	3.46E-08	4.56E-08	1.71E-09	5.65E-09	7.36E-09	9.20E-10	2.62E-09	3.54E-09
7649	436940.38	3761914.13	1.1E-08	3.45E-08	4.55E-08	1.70E-09	5.64E-09	7.35E-09	9.18E-10	2.62E-09	3.54E-09
7650	436949.26	3761910.4	1.09E-08	3.45E-08	4.54E-08	1.70E-09	5.63E-09	7.33E-09	9.16E-10	2.61E-09	3.53E-09
7651	436958.14	3761906.67	1.09E-08	3.44E-08	4.53E-08	1.70E-09	5.61E-09	7.31E-09	9.13E-10	2.60E-09	3.52E-09
7652	436967.02	3761902.94	1.09E-08	3.43E-08	4.51E-08	1.69E-09	5.60E-09	7.29E-09	9.10E-10	2.60E-09	3.51E-09
7653	436975.9	3761899.22	1.08E-08	3.41E-08	4.50E-08	1.68E-09	5.58E-09	7.26E-09	9.07E-10	2.59E-09	3.49E-09
7654	436984.78	3761895.49	1.08E-08	3.40E-08	4.48E-08	1.68E-09	5.55E-09	7.23E-09	9.04E-10	2.58E-09	3.48E-09
7655	436993.66	3761891.76	1.08E-08	3.39E-08	4.46E-08	1.67E-09	5.53E-09	7.20E-09	9.00E-10	2.57E-09	3.47E-09
7656	437002.54	3761888.03	1.07E-08	3.37E-08	4.44E-08	1.66E-09	5.51E-09	7.17E-09	8.96E-10	2.56E-09	3.45E-09
7657	437011.42	3761884.31	1.07E-08	3.36E-08	4.43E-08	1.66E-09	5.49E-09	7.14E-09	8.93E-10	2.54E-09	3.44E-09
7658	436403.8	3762698.91	1.47E-08	4.63E-08	6.10E-08	2.28E-09	7.56E-09	9.84E-09	1.23E-09	3.51E-09	4.74E-09
7659	436403.8	3762708.61	1.47E-08	4.63E-08	6.10E-08	2.29E-09	7.57E-09	9.85E-09	1.23E-09	3.51E-09	4.74E-09
7660	436403.8	3762718.3	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.58E-09	9.86E-09	1.23E-09	3.51E-09	4.75E-09
7661	436403.8	3762728	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.58E-09	9.87E-09	1.23E-09	3.51E-09	4.75E-09
7662	436403.8	3762737.69	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.58E-09	9.87E-09	1.23E-09	3.51E-09	4.75E-09
7663	436403.8	3762747.39	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.57E-09	9.86E-09	1.23E-09	3.51E-09	4.74E-09
7664	436403.8	3762757.09	1.47E-08	4.63E-08	6.10E-08	2.29E-09	7.57E-09	9.85E-09	1.23E-09	3.51E-09	4.74E-09
7665	436403.8	3762766.78	1.47E-08	4.63E-08	6.09E-08	2.28E-09	7.56E-09	9.84E-09	1.23E-09	3.50E-09	4.73E-09
7666	436403.8	3762776.48	1.47E-08	4.62E-08	6.09E-08	2.28E-09	7.55E-09	9.82E-09	1.23E-09	3.50E-09	4.73E-09
7667	436403.8	3762786.17	1.46E-08	4.61E-08	6.07E-08	2.27E-09	7.53E-09	9.80E-09	1.23E-09	3.49E-09	4.72E-09
7668	436403.8	3762795.87	1.46E-08	4.60E-08	6.06E-08	2.27E-09	7.51E-09	9.78E-09	1.22E-09	3.48E-09	4.71E-09
7669	436403.8	3762805.56	1.46E-08	4.59E-08	6.04E-08	2.26E-09	7.49E-09	9.75E-09	1.22E-09	3.48E-09	4.69E-09
7670	436403.8	3762815.26	1.45E-08	4.57E-08	6.03E-08	2.26E-09	7.47E-09	9.73E-09	1.22E-09	3.47E-09	4.68E-09
7671	436403.8	3762824.96	1.45E-08	4.56E-08	6.01E-08	2.25E-09	7.45E-09	9.70E-09	1.21E-09	3.45E-09	4.67E-09
7672	436403.8	3762834.65	1.44E-08	4.54E-08	5.99E-08	2.24E-09	7.42E-09	9.66E-09	1.21E-09	3.44E-09	4.65E-09
7673	436403.8	3762844.35	1.44E-08	4.53E-08	5.96E-08	2.23E-09	7.40E-09	9.63E-09	1.20E-09	3.43E-09	4.63E-09
7674	436403.8	3762854.04	1.43E-08	4.51E-08	5.94E-08	2.23E-09	7.37E-09	9.59E-09	1.20E-09	3.42E-09	4.62E-09
7675	436378.52	3762663.22	1.4E-08	4.40E-08	5.80E-08	2.17E-09	7.19E-09	9.36E-09	1.17E-09	3.33E-09	4.50E-09
7676	436382.2	3762654.3	1.4E-08	4.41E-08	5.82E-08	2.18E-09	7.21E-09	9.39E-09	1.17E-09	3.34E-09	4.52E-09
7677	436385.88	3762645.38	1.41E-08	4.43E-08	5.83E-08	2.18E-09	7.23E-09	9.41E-09	1.18E-09	3.35E-09	4.53E-09
7678	436389.56	3762636.45	1.41E-08	4.43E-08	5.84E-08	2.19E-09	7.24E-09	9.43E-09	1.18E-09	3.36E-09	4.54E-09
7679	436393.24	3762627.53	1.41E-08	4.44E-08	5.85E-08	2.19E-09	7.26E-09	9.45E-09	1.18E-09	3.37E-09	4.55E-09
7680	436396.91	3762618.61	1.41E-08	4.45E-08	5.86E-08	2.19E-09	7.27E-09	9.46E-09	1.18E-09	3.37E-09	4.55E-09
7681	436400.59	3762609.69	1.41E-08	4.45E-08	5.87E-08	2.20E-09	7.27E-09	9.47E-09	1.18E-09	3.37E-09	4.56E-09
7682	436404.27	3762600.76	1.41E-08	4.45E-08	5.87E-08	2.20E-09	7.28E-09	9.47E-09	1.18E-09	3.38E-09	4.56E-09

7683	436407.95	3762591.84	1.41E-08	4.45E-08	5.87E-08	2.20E-09	7.27E-09	9.47E-09	1.18E-09	3.37E-09	4.56E-09
7684	436411.63	3762582.92	1.41E-08	4.45E-08	5.86E-08	2.20E-09	7.27E-09	9.47E-09	1.18E-09	3.37E-09	4.55E-09
7685	436415.31	3762574	1.41E-08	4.45E-08	5.86E-08	2.19E-09	7.26E-09	9.46E-09	1.18E-09	3.37E-09	4.55E-09
7686	436418.99	3762565.07	1.41E-08	4.44E-08	5.85E-08	2.19E-09	7.25E-09	9.44E-09	1.18E-09	3.36E-09	4.54E-09
7687	436422.67	3762556.15	1.41E-08	4.43E-08	5.83E-08	2.18E-09	7.23E-09	9.42E-09	1.18E-09	3.36E-09	4.53E-09
7688	436426.35	3762547.23	1.4E-08	4.42E-08	5.82E-08	2.18E-09	7.22E-09	9.40E-09	1.17E-09	3.35E-09	4.52E-09
7689	436430.03	3762538.31	1.4E-08	4.40E-08	5.80E-08	2.17E-09	7.20E-09	9.37E-09	1.17E-09	3.34E-09	4.51E-09
7690	436433.71	3762529.38	1.39E-08	4.39E-08	5.78E-08	2.17E-09	7.17E-09	9.34E-09	1.17E-09	3.33E-09	4.49E-09
7691	436437.39	3762520.46	1.39E-08	4.37E-08	5.76E-08	2.16E-09	7.15E-09	9.30E-09	1.16E-09	3.31E-09	4.48E-09
7692	436441.07	3762511.54	1.38E-08	4.36E-08	5.74E-08	2.15E-09	7.12E-09	9.27E-09	1.16E-09	3.30E-09	4.46E-09
7693	436444.75	3762502.62	1.38E-08	4.34E-08	5.72E-08	2.14E-09	7.09E-09	9.23E-09	1.15E-09	3.29E-09	4.44E-09
7694	436448.43	3762493.69	1.37E-08	4.32E-08	5.69E-08	2.13E-09	7.06E-09	9.19E-09	1.15E-09	3.27E-09	4.42E-09
7695	436452.11	3762484.77	1.37E-08	4.30E-08	5.67E-08	2.12E-09	7.02E-09	9.15E-09	1.14E-09	3.26E-09	4.40E-09
7696	436455.78	3762475.85	1.36E-08	4.28E-08	5.64E-08	2.11E-09	6.99E-09	9.10E-09	1.14E-09	3.24E-09	4.38E-09
7697	436459.46	3762466.93	1.35E-08	4.26E-08	5.61E-08	2.10E-09	6.95E-09	9.05E-09	1.13E-09	3.22E-09	4.36E-09
7698	436463.14	3762458	1.34E-08	4.23E-08	5.57E-08	2.09E-09	6.91E-09	9.00E-09	1.12E-09	3.21E-09	4.33E-09
7699	436466.82	3762449.08	1.34E-08	4.21E-08	5.54E-08	2.08E-09	6.87E-09	8.95E-09	1.12E-09	3.19E-09	4.31E-09
7700	436470.5	3762440.16	1.33E-08	4.18E-08	5.51E-08	2.06E-09	6.83E-09	8.89E-09	1.11E-09	3.17E-09	4.28E-09
7701	436474.18	3762431.24	1.32E-08	4.15E-08	5.47E-08	2.05E-09	6.78E-09	8.83E-09	1.10E-09	3.15E-09	4.25E-09
7702	436477.86	3762422.31	1.31E-08	4.13E-08	5.44E-08	2.04E-09	6.74E-09	8.78E-09	1.10E-09	3.13E-09	4.22E-09
7703	436481.54	3762413.39	1.3E-08	4.10E-08	5.40E-08	2.02E-09	6.70E-09	8.72E-09	1.09E-09	3.11E-09	4.20E-09
7704	436485.22	3762404.47	1.29E-08	4.08E-08	5.37E-08	2.01E-09	6.66E-09	8.67E-09	1.08E-09	3.09E-09	4.17E-09
7705	436488.9	3762395.55	1.29E-08	4.05E-08	5.34E-08	2.00E-09	6.62E-09	8.62E-09	1.08E-09	3.07E-09	4.15E-09
7706	436492.58	3762386.62	1.28E-08	4.03E-08	5.31E-08	1.99E-09	6.58E-09	8.57E-09	1.07E-09	3.05E-09	4.12E-09
7707	436496.26	3762377.7	1.27E-08	4.00E-08	5.27E-08	1.98E-09	6.54E-09	8.52E-09	1.06E-09	3.03E-09	4.10E-09
7708	436499.94	3762368.78	1.26E-08	3.98E-08	5.24E-08	1.96E-09	6.50E-09	8.47E-09	1.06E-09	3.02E-09	4.07E-09
7709	436514.65	3762333.09	1.23E-08	3.89E-08	5.12E-08	1.92E-09	6.35E-09	8.27E-09	1.03E-09	2.94E-09	3.98E-09
7710	436518.33	3762324.17	1.23E-08	3.86E-08	5.09E-08	1.91E-09	6.31E-09	8.22E-09	1.03E-09	2.93E-09	3.95E-09
7711	436522.01	3762315.24	1.22E-08	3.84E-08	5.07E-08	1.90E-09	6.28E-09	8.18E-09	1.02E-09	2.91E-09	3.93E-09
7712	436525.69	3762306.32	1.21E-08	3.82E-08	5.04E-08	1.89E-09	6.25E-09	8.14E-09	1.02E-09	2.90E-09	3.91E-09
7713	436529.37	3762297.4	1.21E-08	3.81E-08	5.01E-08	1.88E-09	6.22E-09	8.09E-09	1.01E-09	2.88E-09	3.89E-09
7714	436533.05	3762288.48	1.2E-08	3.79E-08	4.99E-08	1.87E-09	6.18E-09	8.05E-09	1.01E-09	2.87E-09	3.87E-09
7715	436536.73	3762279.55	1.2E-08	3.77E-08	4.96E-08	1.86E-09	6.15E-09	8.01E-09	1.00E-09	2.85E-09	3.85E-09
7716	436540.41	3762270.63	1.19E-08	3.75E-08	4.94E-08	1.85E-09	6.12E-09	7.97E-09	9.96E-10	2.84E-09	3.84E-09
7717	436544.09	3762261.71	1.18E-08	3.73E-08	4.91E-08	1.84E-09	6.09E-09	7.93E-09	9.91E-10	2.83E-09	3.82E-09
7718	436547.77	3762252.79	1.18E-08	3.71E-08	4.89E-08	1.83E-09	6.06E-09	7.90E-09	9.87E-10	2.81E-09	3.80E-09
7719	436551.45	3762243.86	1.17E-08	3.70E-08	4.87E-08	1.82E-09	6.04E-09	7.86E-09	9.82E-10	2.80E-09	3.78E-09
7720	436555.13	3762234.94	1.17E-08	3.68E-08	4.85E-08	1.82E-09	6.01E-09	7.82E-09	9.78E-10	2.79E-09	3.77E-09
7721	436558.81	3762226.02	1.16E-08	3.66E-08	4.82E-08	1.81E-09	5.98E-09	7.79E-09	9.73E-10	2.77E-09	3.75E-09
7722	436562.49	3762217.1	1.16E-08	3.64E-08	4.80E-08	1.80E-09	5.95E-09	7.75E-09	9.68E-10	2.76E-09	3.73E-09
7723	436566.17	3762208.17	1.15E-08	3.62E-08	4.77E-08	1.79E-09	5.92E-09	7.71E-09	9.63E-10	2.75E-09	3.71E-09
7724	436569.85	3762199.25	1.14E-08	3.60E-08	4.75E-08	1.78E-09	5.88E-09	7.66E-09	9.57E-10	2.73E-09	3.69E-09
7725	436573.52	3762190.33	1.14E-08	3.58E-08	4.72E-08	1.77E-09	5.85E-09	7.62E-09	9.52E-10	2.71E-09	3.66E-09
7726	436577.2	3762181.41	1.13E-08	3.56E-08	4.69E-08	1.76E-09	5.82E-09	7.57E-09	9.46E-10	2.70E-09	3.64E-09
7727	436580.88	3762172.48	1.12E-08	3.54E-08	4.66E-08	1.75E-09	5.78E-09	7.53E-09	9.41E-10	2.68E-09	3.62E-09
7728	436584.56	3762163.56	1.12E-08	3.52E-08	4.63E-08	1.74E-09	5.75E-09	7.48E-09	9.35E-10	2.67E-09	3.60E-09
7729	436588.24	3762154.64	1.11E-08	3.50E-08	4.61E-08	1.73E-09	5.71E-09	7.44E-09	9.29E-10	2.65E-09	3.58E-09
7730	436591.92	3762145.72	1.1E-08	3.48E-08	4.58E-08	1.72E-09	5.68E-09	7.40E-09	9.24E-10	2.64E-09	3.56E-09
7731	436595.6	3762136.79	1.1E-08	3.46E-08	4.56E-08	1.71E-09	5.65E-09	7.36E-09	9.19E-10	2.62E-09	3.54E-09
7732	436599.28	3762127.87	1.09E-08	3.44E-08	4.54E-08	1.70E-09	5.62E-09	7.32E-09	9.15E-10	2.61E-09	3.52E-09
7733	436602.96	3762118.95	1.09E-08	3.42E-08	4.51E-08	1.69E-09	5.59E-09	7.28E-09	9.10E-10	2.59E-09	3.50E-09
7734	436606.64	3762110.03	1.08E-08	3.41E-08	4.49E-08	1.68E-09	5.57E-09	7.25E-09	9.06E-10	2.58E-09	3.49E-09
7735	436639.75	3762029.72	1.02E-08	3.22E-08	4.25E-08	1.59E-09	5.27E-09	6.86E-09	8.57E-10	2.44E-09	3.30E-09
7736	436643.43	3762020.8	1.02E-08	3.20E-08	4.22E-08	1.58E-09	5.23E-09	6.81E-09	8.51E-10	2.43E-09	3.28E-09
7737	436647.11	3762011.88	1.01E-08	3.18E-08	4.18E-08	1.57E-09	5.19E-09	6.75E-09	8.44E-10	2.41E-09	3.25E-09
7738	436650.79	3762002.96	1E-08	3.15E-08	4.15E-08	1.56E-09	5.15E-09	6.70E-09	8.38E-10	2.39E-09	3.23E-09
7739	436663.37	3761990.3	9.97E-09	3.14E-08	4.14E-08	1.55E-09	5.13E-09	6.68E-09	8.35E-10	2.38E-09	3.21E-09
7740	436698.97	3761975.36	1.01E-08	3.18E-08	4.19E-08	1.57E-09	5.20E-09	6.77E-09	8.46E-10	2.41E-09	3.26E-09
7741	436796.86	3761934.26	1.03E-08	3.25E-08	4.28E-08	1.60E-09	5.31E-09	6.91E-09	8.64E-10	2.46E-09	3.33E-09
7742	436805.76	3761930.53	1.03E-08	3.26E-08	4.29E-08	1.61E-09	5.32E-09	6.92E-09	8.65E-10	2.47E-09	3.33E-09
7743	436814.66	3761926.79	1.04E-08	3.26E-08	4.29E-08	1.61E-09	5.32E-09	6.93E-09	8.66E-10	2.47E-09	3.34E-09

7744	436823.55	3761923.06	1.04E-08	3.26E-08	4.30E-08	1.61E-09	5.33E-09	6.94E-09	8.67E-10	2.47E-09	3.34E-09
7745	436832.45	3761919.32	1.04E-08	3.26E-08	4.30E-08	1.61E-09	5.33E-09	6.94E-09	8.68E-10	2.47E-09	3.34E-09
7746	436841.35	3761915.59	1.04E-08	3.27E-08	4.30E-08	1.61E-09	5.34E-09	6.95E-09	8.68E-10	2.47E-09	3.34E-09
7747	436850.25	3761911.85	1.04E-08	3.27E-08	4.30E-08	1.61E-09	5.34E-09	6.95E-09	8.68E-10	2.47E-09	3.34E-09
7748	436859.15	3761908.12	1.04E-08	3.26E-08	4.30E-08	1.61E-09	5.33E-09	6.94E-09	8.68E-10	2.47E-09	3.34E-09
7749	436868.05	3761904.38	1.04E-08	3.26E-08	4.30E-08	1.61E-09	5.33E-09	6.94E-09	8.67E-10	2.47E-09	3.34E-09
7750	436876.95	3761900.65	1.04E-08	3.26E-08	4.30E-08	1.61E-09	5.33E-09	6.94E-09	8.67E-10	2.47E-09	3.34E-09
7751	436885.85	3761896.91	1.04E-08	3.26E-08	4.29E-08	1.61E-09	5.32E-09	6.93E-09	8.66E-10	2.47E-09	3.34E-09
7752	436894.75	3761893.17	1.03E-08	3.26E-08	4.29E-08	1.61E-09	5.32E-09	6.92E-09	8.65E-10	2.47E-09	3.33E-09
7753	436903.65	3761889.44	1.03E-08	3.25E-08	4.29E-08	1.60E-09	5.31E-09	6.92E-09	8.65E-10	2.46E-09	3.33E-09
7754	436912.55	3761885.7	1.03E-08	3.25E-08	4.28E-08	1.60E-09	5.31E-09	6.91E-09	8.63E-10	2.46E-09	3.33E-09
7755	436921.45	3761881.97	1.03E-08	3.24E-08	4.27E-08	1.60E-09	5.30E-09	6.90E-09	8.62E-10	2.46E-09	3.32E-09
7756	436930.34	3761878.23	1.03E-08	3.24E-08	4.26E-08	1.60E-09	5.29E-09	6.88E-09	8.60E-10	2.45E-09	3.31E-09
7757	436939.24	3761874.5	1.02E-08	3.23E-08	4.25E-08	1.59E-09	5.27E-09	6.86E-09	8.57E-10	2.44E-09	3.30E-09
7758	436948.14	3761870.76	1.02E-08	3.21E-08	4.24E-08	1.59E-09	5.25E-09	6.84E-09	8.55E-10	2.44E-09	3.29E-09
7759	436363.8	3762698.91	1.37E-08	4.33E-08	5.70E-08	2.14E-09	7.07E-09	9.20E-09	1.15E-09	3.28E-09	4.43E-09
7760	436363.8	3762708.61	1.38E-08	4.33E-08	5.71E-08	2.14E-09	7.08E-09	9.21E-09	1.15E-09	3.28E-09	4.43E-09
7761	437373.51	3762893.72	1.03E-06	3.24E-06	4.27E-06	1.60E-07	5.29E-07	6.89E-07	8.61E-08	2.46E-07	3.32E-07
7762	437383.16	3762893.7	1.12E-06	3.54E-06	4.66E-06	1.74E-07	5.78E-07	7.52E-07	9.40E-08	2.68E-07	3.62E-07
7763	437421.77	3762893.62	1.77E-06	5.56E-06	7.33E-06	2.74E-07	9.09E-07	1.18E-06	1.48E-07	4.22E-07	5.69E-07
7764	437431.42	3762893.6	1.99E-06	6.26E-06	8.24E-06	3.09E-07	1.02E-06	1.33E-06	1.66E-07	4.74E-07	6.40E-07
7765	437441.07	3762893.58	2.21E-06	6.95E-06	9.16E-06	3.43E-07	1.14E-06	1.48E-06	1.85E-07	5.27E-07	7.12E-07
7766	437450.72	3762893.56	2.42E-06	7.63E-06	1.01E-05	3.77E-07	1.25E-06	1.62E-06	2.03E-07	5.78E-07	7.81E-07
7767	437460.37	3762893.54	2.63E-06	8.27E-06	1.09E-05	4.08E-07	1.35E-06	1.76E-06	2.20E-07	6.27E-07	8.47E-07
7768	437470.02	3762893.52	2.78E-06	8.75E-06	1.15E-05	4.32E-07	1.43E-06	1.86E-06	2.33E-07	6.63E-07	8.96E-07
7769	437479.67	3762893.5	2.91E-06	9.17E-06	1.21E-05	4.53E-07	1.50E-06	1.95E-06	2.44E-07	6.95E-07	9.39E-07
7770	437489.32	3762893.48	3.03E-06	9.54E-06	1.26E-05	4.70E-07	1.56E-06	2.03E-06	2.53E-07	7.23E-07	9.76E-07
7771	437498.97	3762893.46	3.09E-06	9.73E-06	1.28E-05	4.80E-07	1.59E-06	2.07E-06	2.59E-07	7.37E-07	9.96E-07
7772	437508.62	3762893.44	3.13E-06	9.87E-06	1.30E-05	4.87E-07	1.61E-06	2.10E-06	2.62E-07	7.48E-07	1.01E-06
7773	437518.27	3762893.42	3.16E-06	9.96E-06	1.31E-05	4.91E-07	1.63E-06	2.12E-06	2.65E-07	7.55E-07	1.02E-06
7774	437373.53	3762903.72	8.13E-07	2.56E-06	3.37E-06	1.26E-07	4.18E-07	5.45E-07	6.80E-08	1.94E-07	2.62E-07
7775	437383.18	3762903.7	8.73E-07	2.75E-06	3.62E-06	1.36E-07	4.49E-07	5.85E-07	7.31E-08	2.08E-07	2.81E-07
7776	437421.79	3762903.62	1.27E-06	4.01E-06	5.28E-06	1.98E-07	6.55E-07	8.52E-07	1.07E-07	3.04E-07	4.10E-07
7777	437431.44	3762903.6	1.42E-06	4.47E-06	5.89E-06	2.21E-07	7.30E-07	9.51E-07	1.19E-07	3.39E-07	4.58E-07
7778	437441.09	3762903.58	1.57E-06	4.95E-06	6.52E-06	2.44E-07	8.09E-07	1.05E-06	1.32E-07	3.75E-07	5.07E-07
7779	437450.74	3762903.56	1.73E-06	5.44E-06	7.16E-06	2.68E-07	8.88E-07	1.16E-06	1.44E-07	4.12E-07	5.56E-07
7780	437460.39	3762903.54	1.88E-06	5.91E-06	7.79E-06	2.92E-07	9.65E-07	1.26E-06	1.57E-07	4.48E-07	6.05E-07
7781	437470.04	3762903.52	2E-06	6.29E-06	8.29E-06	3.11E-07	1.03E-06	1.34E-06	1.67E-07	4.77E-07	6.44E-07
7782	437479.69	3762903.5	2.11E-06	6.65E-06	8.76E-06	3.28E-07	1.09E-06	1.41E-06	1.77E-07	5.04E-07	6.80E-07
7783	437489.34	3762903.48	2.21E-06	6.96E-06	9.17E-06	3.44E-07	1.14E-06	1.48E-06	1.85E-07	5.28E-07	7.13E-07
7784	437498.99	3762903.46	2.28E-06	7.17E-06	9.45E-06	3.54E-07	1.17E-06	1.52E-06	1.91E-07	5.43E-07	7.34E-07
7785	437508.64	3762903.44	2.33E-06	7.34E-06	9.67E-06	3.62E-07	1.20E-06	1.56E-06	1.95E-07	5.56E-07	7.51E-07
7786	437518.29	3762903.42	2.37E-06	7.47E-06	9.84E-06	3.69E-07	1.22E-06	1.59E-06	1.99E-07	5.66E-07	7.65E-07
7787	437527.94	3762903.4	2.44E-06	7.67E-06	1.01E-05	3.78E-07	1.25E-06	1.63E-06	2.04E-07	5.81E-07	7.85E-07
7788	437537.59	3762903.38	2.49E-06	7.85E-06	1.03E-05	3.88E-07	1.28E-06	1.67E-06	2.09E-07	5.95E-07	8.04E-07
7789	437547.24	3762903.36	2.54E-06	8.00E-06	1.05E-05	3.95E-07	1.31E-06	1.70E-06	2.13E-07	6.06E-07	8.18E-07
7790	437363.9	3762913.74	6.24E-07	1.96E-06	2.59E-06	9.69E-08	3.21E-07	4.18E-07	5.22E-08	1.49E-07	2.01E-07
7791	437373.55	3762913.72	6.65E-07	2.10E-06	2.76E-06	1.03E-07	3.42E-07	4.46E-07	5.57E-08	1.59E-07	2.14E-07
7792	437383.2	3762913.7	7.08E-07	2.23E-06	2.94E-06	1.10E-07	3.64E-07	4.74E-07	5.92E-08	1.69E-07	2.28E-07
7793	437421.81	3762913.62	9.74E-07	3.07E-06	4.04E-06	1.51E-07	5.01E-07	6.52E-07	8.15E-08	2.32E-07	3.14E-07
7794	437431.46	3762913.6	1.07E-06	3.38E-06	4.45E-06	1.67E-07	5.52E-07	7.19E-07	8.99E-08	2.56E-07	3.46E-07
7795	437441.11	3762913.58	1.18E-06	3.70E-06	4.88E-06	1.83E-07	6.05E-07	7.88E-07	9.85E-08	2.81E-07	3.79E-07
7796	437450.76	3762913.56	1.28E-06	4.04E-06	5.32E-06	1.99E-07	6.60E-07	8.59E-07	1.07E-07	3.06E-07	4.13E-07
7797	437460.41	3762913.54	1.39E-06	4.38E-06	5.77E-06	2.16E-07	7.15E-07	9.31E-07	1.16E-07	3.32E-07	4.48E-07
7798	437470.06	3762913.52	1.49E-06	4.68E-06	6.16E-06	2.31E-07	7.64E-07	9.95E-07	1.24E-07	3.54E-07	4.79E-07
7799	437479.71	3762913.5	1.58E-06	4.96E-06	6.54E-06	2.45E-07	8.11E-07	1.06E-06	1.32E-07	3.76E-07	5.08E-07
7800	437489.36	3762913.48	1.66E-06	5.23E-06	6.89E-06	2.58E-07	8.55E-07	1.11E-06	1.39E-07	3.96E-07	5.35E-07
7801	437499.01	3762913.46	1.72E-06	5.42E-06	7.14E-06	2.68E-07	8.86E-07	1.15E-06	1.44E-07	4.11E-07	5.55E-07
7802	437508.66	3762913.44	1.78E-06	5.59E-06	7.37E-06	2.76E-07	9.13E-07	1.19E-06	1.49E-07	4.24E-07	5.72E-07
7803	437518.31	3762913.42	1.82E-06	5.74E-06	7.56E-06	2.83E-07	9.37E-07	1.22E-06	1.53E-07	4.35E-07	5.87E-07
7804	437527.96	3762913.4	1.88E-06	5.92E-06	7.80E-06	2.92E-07	9.67E-07	1.26E-06	1.57E-07	4.49E-07	6.06E-07

7805	437537.61	3762913.38	1.93E-06	6.09E-06	8.03E-06	3.01E-07	9.95E-07	1.30E-06	1.62E-07	4.62E-07	6.24E-07
7806	437547.26	3762913.36	1.98E-06	6.23E-06	8.21E-06	3.08E-07	1.02E-06	1.33E-06	1.66E-07	4.72E-07	6.38E-07
7807	437363.92	3762923.74	5.26E-07	1.66E-06	2.18E-06	8.17E-08	2.70E-07	3.52E-07	4.40E-08	1.25E-07	1.69E-07
7808	437373.57	3762923.72	5.56E-07	1.75E-06	2.31E-06	8.64E-08	2.86E-07	3.72E-07	4.65E-08	1.33E-07	1.79E-07
7809	437383.23	3762923.7	5.87E-07	1.85E-06	2.44E-06	9.12E-08	3.02E-07	3.93E-07	4.91E-08	1.40E-07	1.89E-07
7810	437421.83	3762923.62	7.74E-07	2.44E-06	3.21E-06	1.20E-07	3.98E-07	5.19E-07	6.48E-08	1.85E-07	2.50E-07
7811	437431.48	3762923.6	8.43E-07	2.66E-06	3.50E-06	1.31E-07	4.34E-07	5.65E-07	7.06E-08	2.01E-07	2.72E-07
7812	437441.13	3762923.58	9.13E-07	2.87E-06	3.79E-06	1.42E-07	4.69E-07	6.11E-07	7.64E-08	2.18E-07	2.94E-07
7813	437450.78	3762923.56	9.86E-07	3.10E-06	4.09E-06	1.53E-07	5.07E-07	6.60E-07	8.25E-08	2.35E-07	3.18E-07
7814	437460.43	3762923.54	1.06E-06	3.34E-06	4.41E-06	1.65E-07	5.46E-07	7.11E-07	8.89E-08	2.53E-07	3.42E-07
7815	437470.08	3762923.52	1.14E-06	3.58E-06	4.71E-06	1.76E-07	5.84E-07	7.61E-07	9.51E-08	2.71E-07	3.66E-07
7816	437479.73	3762923.5	1.21E-06	3.80E-06	5.01E-06	1.88E-07	6.21E-07	8.09E-07	1.01E-07	2.88E-07	3.89E-07
7817	437489.38	3762923.48	1.28E-06	4.02E-06	5.30E-06	1.99E-07	6.57E-07	8.56E-07	1.07E-07	3.05E-07	4.12E-07
7818	437373.6	3762933.72	4.72E-07	1.48E-06	1.96E-06	7.33E-08	2.43E-07	3.16E-07	3.95E-08	1.13E-07	1.52E-07
7819	437383.25	3762933.7	4.95E-07	1.56E-06	2.06E-06	7.70E-08	2.55E-07	3.32E-07	4.15E-08	1.18E-07	1.60E-07
7820	437421.85	3762933.62	6.3E-07	1.98E-06	2.61E-06	9.78E-08	3.24E-07	4.22E-07	5.27E-08	1.50E-07	2.03E-07
7821	437431.5	3762933.6	6.77E-07	2.13E-06	2.81E-06	1.05E-07	3.48E-07	4.54E-07	5.67E-08	1.62E-07	2.18E-07
7822	437441.15	3762933.58	7.26E-07	2.29E-06	3.01E-06	1.13E-07	3.73E-07	4.86E-07	6.08E-08	1.73E-07	2.34E-07
7823	437450.8	3762933.56	7.78E-07	2.45E-06	3.23E-06	1.21E-07	4.00E-07	5.21E-07	6.52E-08	1.86E-07	2.51E-07
7824	437460.45	3762933.54	8.34E-07	2.63E-06	3.46E-06	1.30E-07	4.29E-07	5.59E-07	6.98E-08	1.99E-07	2.69E-07
7825	437470.1	3762933.52	8.89E-07	2.80E-06	3.69E-06	1.38E-07	4.57E-07	5.96E-07	7.44E-08	2.12E-07	2.87E-07
7826	437355.87	3762940.4	3.9E-07	1.23E-06	1.62E-06	6.06E-08	2.01E-07	2.61E-07	3.27E-08	9.31E-08	1.26E-07
7827	437323.48	3762927.05	3.85E-07	1.21E-06	1.60E-06	5.97E-08	1.98E-07	2.58E-07	3.22E-08	9.18E-08	1.24E-07
7828	437303.93	3762912.28	3.97E-07	1.25E-06	1.65E-06	6.17E-08	2.04E-07	2.66E-07	3.33E-08	9.48E-08	1.28E-07
7829	437373.62	3762943.72	4.05E-07	1.28E-06	1.68E-06	6.29E-08	2.08E-07	2.71E-07	3.39E-08	9.67E-08	1.31E-07
7830	437383.27	3762943.7	4.24E-07	1.34E-06	1.76E-06	6.59E-08	2.18E-07	2.84E-07	3.55E-08	1.01E-07	1.37E-07
7831	437421.87	3762943.62	5.19E-07	1.64E-06	2.15E-06	8.07E-08	2.67E-07	3.48E-07	4.35E-08	1.24E-07	1.67E-07
7832	437431.52	3762943.6	5.51E-07	1.73E-06	2.29E-06	8.56E-08	2.83E-07	3.69E-07	4.61E-08	1.31E-07	1.78E-07
7833	437441.17	3762943.58	5.87E-07	1.85E-06	2.44E-06	9.13E-08	3.02E-07	3.93E-07	4.92E-08	1.40E-07	1.89E-07
7834	437450.82	3762943.56	6.27E-07	1.98E-06	2.60E-06	9.75E-08	3.23E-07	4.20E-07	5.25E-08	1.50E-07	2.02E-07
7835	437460.47	3762943.54	6.71E-07	2.11E-06	2.78E-06	1.04E-07	3.45E-07	4.49E-07	5.61E-08	1.60E-07	2.16E-07
7836	437470.12	3762943.52	7.1E-07	2.24E-06	2.95E-06	1.10E-07	3.65E-07	4.76E-07	5.95E-08	1.70E-07	2.29E-07
7837	437518.37	3762943.42	9.14E-07	2.88E-06	3.79E-06	1.42E-07	4.70E-07	6.12E-07	7.65E-08	2.18E-07	2.94E-07
7838	437356.02	3762950.45	3.41E-07	1.07E-06	1.41E-06	5.30E-08	1.75E-07	2.28E-07	2.85E-08	8.13E-08	1.10E-07
7839	437340.08	3762943.88	3.43E-07	1.08E-06	1.42E-06	5.33E-08	1.76E-07	2.30E-07	2.87E-08	8.18E-08	1.10E-07
7840	437324.14	3762937.31	3.41E-07	1.07E-06	1.41E-06	5.29E-08	1.75E-07	2.28E-07	2.85E-08	8.13E-08	1.10E-07
7841	437308.2	3762930.73	3.34E-07	1.05E-06	1.38E-06	5.18E-08	1.72E-07	2.23E-07	2.79E-08	7.96E-08	1.08E-07
7842	437296.92	3762919.48	3.49E-07	1.10E-06	1.45E-06	5.42E-08	1.79E-07	2.34E-07	2.92E-08	8.32E-08	1.12E-07
7843	437373.64	3762953.72	3.52E-07	1.11E-06	1.46E-06	5.47E-08	1.81E-07	2.36E-07	2.94E-08	8.39E-08	1.13E-07
7844	437383.29	3762953.7	3.67E-07	1.16E-06	1.52E-06	5.71E-08	1.89E-07	2.46E-07	3.07E-08	8.76E-08	1.18E-07
7845	437421.89	3762953.62	4.36E-07	1.37E-06	1.81E-06	6.78E-08	2.24E-07	2.92E-07	3.65E-08	1.04E-07	1.41E-07
7846	437431.54	3762953.6	4.58E-07	1.44E-06	1.90E-06	7.11E-08	2.35E-07	3.06E-07	3.83E-08	1.09E-07	1.47E-07
7847	437441.19	3762953.58	4.86E-07	1.53E-06	2.01E-06	7.55E-08	2.50E-07	3.25E-07	4.06E-08	1.16E-07	1.57E-07
7848	437450.84	3762953.56	5.17E-07	1.63E-06	2.14E-06	8.03E-08	2.66E-07	3.46E-07	4.33E-08	1.23E-07	1.67E-07
7849	437460.49	3762953.54	5.51E-07	1.74E-06	2.29E-06	8.56E-08	2.83E-07	3.69E-07	4.61E-08	1.31E-07	1.78E-07
7850	437470.14	3762953.52	5.79E-07	1.82E-06	2.40E-06	9.00E-08	2.98E-07	3.88E-07	4.85E-08	1.38E-07	1.87E-07
7851	437499.09	3762953.46	6.75E-07	2.13E-06	2.80E-06	1.05E-07	3.48E-07	4.52E-07	5.65E-08	1.61E-07	2.18E-07
7852	437508.74	3762953.44	7.11E-07	2.24E-06	2.95E-06	1.10E-07	3.66E-07	4.76E-07	5.95E-08	1.70E-07	2.29E-07
7853	437518.39	3762953.42	7.46E-07	2.35E-06	3.10E-06	1.16E-07	3.84E-07	5.00E-07	6.25E-08	1.78E-07	2.41E-07
7854	437528.05	3762953.4	7.82E-07	2.46E-06	3.25E-06	1.22E-07	4.02E-07	5.24E-07	6.55E-08	1.87E-07	2.52E-07
7855	437537.7	3762953.38	8.17E-07	2.57E-06	3.39E-06	1.27E-07	4.20E-07	5.47E-07	6.84E-08	1.95E-07	2.63E-07
7856	437547.35	3762953.36	8.51E-07	2.68E-06	3.53E-06	1.32E-07	4.38E-07	5.70E-07	7.12E-08	2.03E-07	2.74E-07
7857	437355.15	3762960.09	3E-07	9.45E-07	1.25E-06	4.66E-08	1.54E-07	2.01E-07	2.51E-08	7.16E-08	9.67E-08
7858	437346.3	3762956.44	3.02E-07	9.51E-07	1.25E-06	4.69E-08	1.55E-07	2.02E-07	2.53E-08	7.20E-08	9.73E-08
7859	437337.44	3762952.78	3.03E-07	9.54E-07	1.26E-06	4.71E-08	1.56E-07	2.03E-07	2.54E-08	7.23E-08	9.77E-08
7860	437328.58	3762949.13	3.03E-07	9.54E-07	1.26E-06	4.71E-08	1.56E-07	2.03E-07	2.54E-08	7.23E-08	9.77E-08
7861	437319.73	3762945.48	3.02E-07	9.51E-07	1.25E-06	4.69E-08	1.55E-07	2.02E-07	2.53E-08	7.21E-08	9.73E-08
7862	437310.87	3762941.83	3E-07	9.44E-07	1.24E-06	4.66E-08	1.54E-07	2.01E-07	2.51E-08	7.15E-08	9.66E-08
7863	437302.02	3762938.18	2.96E-07	9.33E-07	1.23E-06	4.60E-08	1.52E-07	1.98E-07	2.48E-08	7.07E-08	9.55E-08
7864	437289.49	3762925.68	3.11E-07	9.80E-07	1.29E-06	4.83E-08	1.60E-07	2.08E-07	2.60E-08	7.42E-08	1.00E-07
7865	437285.82	3762916.83	3.3E-07	1.04E-06	1.37E-06	5.12E-08	1.70E-07	2.21E-07	2.76E-08	7.87E-08	1.06E-07

7866	437364.01	3762963.74	2.98E-07	9.37E-07	1.23E-06	4.62E-08	1.53E-07	1.99E-07	2.49E-08	7.10E-08	9.59E-08
7867	437373.66	3762963.72	3.09E-07	9.72E-07	1.28E-06	4.80E-08	1.59E-07	2.07E-07	2.58E-08	7.37E-08	9.95E-08
7868	437383.31	3762963.7	3.21E-07	1.01E-06	1.33E-06	4.99E-08	1.65E-07	2.15E-07	2.69E-08	7.66E-08	1.03E-07
7869	437392.96	3762963.68	3.34E-07	1.05E-06	1.39E-06	5.19E-08	1.72E-07	2.24E-07	2.80E-08	7.97E-08	1.08E-07
7870	437421.91	3762963.62	3.72E-07	1.17E-06	1.54E-06	5.79E-08	1.92E-07	2.49E-07	3.12E-08	8.88E-08	1.20E-07
7871	437431.56	3762963.6	3.88E-07	1.22E-06	1.61E-06	6.02E-08	1.99E-07	2.60E-07	3.24E-08	9.25E-08	1.25E-07
7872	437441.21	3762963.58	4.09E-07	1.29E-06	1.70E-06	6.35E-08	2.10E-07	2.74E-07	3.42E-08	9.76E-08	1.32E-07
7873	437450.86	3762963.56	4.33E-07	1.36E-06	1.80E-06	6.72E-08	2.23E-07	2.90E-07	3.62E-08	1.03E-07	1.39E-07
7874	437460.51	3762963.54	4.59E-07	1.45E-06	1.90E-06	7.13E-08	2.36E-07	3.07E-07	3.84E-08	1.10E-07	1.48E-07
7875	437470.16	3762963.52	4.8E-07	1.51E-06	1.99E-06	7.46E-08	2.47E-07	3.22E-07	4.02E-08	1.15E-07	1.55E-07
7876	437499.11	3762963.46	5.57E-07	1.75E-06	2.31E-06	8.65E-08	2.86E-07	3.73E-07	4.66E-08	1.33E-07	1.79E-07
7877	437508.77	3762963.44	5.87E-07	1.85E-06	2.44E-06	9.12E-08	3.02E-07	3.93E-07	4.91E-08	1.40E-07	1.89E-07
7878	437518.42	3762963.42	6.17E-07	1.94E-06	2.56E-06	9.59E-08	3.18E-07	4.14E-07	5.17E-08	1.47E-07	1.99E-07
7879	437528.07	3762963.4	6.48E-07	2.04E-06	2.69E-06	1.01E-07	3.33E-07	4.34E-07	5.42E-08	1.55E-07	2.09E-07
7880	437537.72	3762963.38	6.77E-07	2.13E-06	2.81E-06	1.05E-07	3.48E-07	4.54E-07	5.67E-08	1.62E-07	2.18E-07
7881	437547.37	3762963.36	7.07E-07	2.23E-06	2.93E-06	1.10E-07	3.64E-07	4.73E-07	5.91E-08	1.69E-07	2.28E-07
7882	437355.55	3762980.23	2.37E-07	7.46E-07	9.82E-07	3.68E-08	1.22E-07	1.59E-07	1.98E-08	5.65E-08	7.63E-08
7883	437347.05	3762976.73	2.39E-07	7.52E-07	9.91E-07	3.71E-08	1.23E-07	1.60E-07	2.00E-08	5.70E-08	7.70E-08
7884	437338.54	3762973.22	2.41E-07	7.57E-07	9.98E-07	3.74E-08	1.24E-07	1.61E-07	2.01E-08	5.74E-08	7.75E-08
7885	437330.04	3762969.72	2.42E-07	7.61E-07	1.00E-06	3.75E-08	1.24E-07	1.62E-07	2.02E-08	5.77E-08	7.79E-08
7886	437321.54	3762966.21	2.42E-07	7.63E-07	1.01E-06	3.76E-08	1.25E-07	1.62E-07	2.03E-08	5.78E-08	7.81E-08
7887	437313.04	3762962.7	2.42E-07	7.63E-07	1.01E-06	3.76E-08	1.25E-07	1.62E-07	2.03E-08	5.78E-08	7.81E-08
7888	437304.54	3762959.2	2.41E-07	7.60E-07	1.00E-06	3.75E-08	1.24E-07	1.62E-07	2.02E-08	5.76E-08	7.78E-08
7889	437296.04	3762955.69	2.4E-07	7.56E-07	9.96E-07	3.73E-08	1.23E-07	1.61E-07	2.01E-08	5.73E-08	7.74E-08
7890	437287.54	3762952.19	2.38E-07	7.49E-07	9.86E-07	3.69E-08	1.22E-07	1.59E-07	1.99E-08	5.67E-08	7.66E-08
7891	437275.51	3762940.19	2.49E-07	7.83E-07	1.03E-06	3.86E-08	1.28E-07	1.67E-07	2.08E-08	5.93E-08	8.01E-08
7892	437271.99	3762931.69	2.63E-07	8.27E-07	1.09E-06	4.08E-08	1.35E-07	1.76E-07	2.20E-08	6.26E-08	8.46E-08
7893	437364.05	3762983.74	2.34E-07	7.38E-07	9.73E-07	3.64E-08	1.21E-07	1.57E-07	1.96E-08	5.59E-08	7.56E-08
7894	437373.7	3762983.72	2.42E-07	7.63E-07	1.01E-06	3.77E-08	1.25E-07	1.62E-07	2.03E-08	5.78E-08	7.81E-08
7895	437383.35	3762983.7	2.51E-07	7.89E-07	1.04E-06	3.89E-08	1.29E-07	1.68E-07	2.10E-08	5.98E-08	8.08E-08
7896	437393	3762983.68	2.59E-07	8.15E-07	1.07E-06	4.02E-08	1.33E-07	1.73E-07	2.17E-08	6.17E-08	8.34E-08
7897	437421.95	3762983.62	2.82E-07	8.87E-07	1.17E-06	4.38E-08	1.45E-07	1.89E-07	2.36E-08	6.72E-08	9.08E-08
7898	437431.6	3762983.6	2.91E-07	9.15E-07	1.21E-06	4.52E-08	1.50E-07	1.95E-07	2.43E-08	6.94E-08	9.37E-08
7899	437441.25	3762983.58	3.03E-07	9.53E-07	1.26E-06	4.70E-08	1.56E-07	2.03E-07	2.53E-08	7.22E-08	9.75E-08
7900	437450.9	3762983.56	3.16E-07	9.94E-07	1.31E-06	4.90E-08	1.62E-07	2.11E-07	2.64E-08	7.53E-08	1.02E-07
7901	437460.55	3762983.54	3.3E-07	1.04E-06	1.37E-06	5.12E-08	1.70E-07	2.21E-07	2.76E-08	7.87E-08	1.06E-07
7902	437470.2	3762983.52	3.44E-07	1.08E-06	1.43E-06	5.35E-08	1.77E-07	2.31E-07	2.88E-08	8.22E-08	1.11E-07
7903	437499.16	3762983.46	3.97E-07	1.25E-06	1.65E-06	6.16E-08	2.04E-07	2.66E-07	3.32E-08	9.47E-08	1.28E-07
7904	437508.81	3762983.44	4.17E-07	1.31E-06	1.73E-06	6.48E-08	2.14E-07	2.79E-07	3.49E-08	9.94E-08	1.34E-07
7905	437518.46	3762983.42	4.38E-07	1.38E-06	1.82E-06	6.80E-08	2.25E-07	2.93E-07	3.66E-08	1.04E-07	1.41E-07
7906	437528.11	3762983.4	4.57E-07	1.44E-06	1.90E-06	7.11E-08	2.35E-07	3.06E-07	3.83E-08	1.09E-07	1.47E-07
7907	437537.76	3762983.38	4.77E-07	1.50E-06	1.98E-06	7.41E-08	2.45E-07	3.19E-07	3.99E-08	1.14E-07	1.54E-07
7908	437547.41	3762983.36	4.97E-07	1.56E-06	2.06E-06	7.72E-08	2.55E-07	3.33E-07	4.16E-08	1.18E-07	1.60E-07
7909	437355.82	3763000.33	1.91E-07	6.01E-07	7.92E-07	2.97E-08	9.82E-08	1.28E-07	1.60E-08	4.55E-08	6.15E-08
7910	437339.29	3762993.51	1.94E-07	6.12E-07	8.07E-07	3.02E-08	1.00E-07	1.30E-07	1.63E-08	4.64E-08	6.27E-08
7911	437322.76	3762986.7	1.97E-07	6.20E-07	8.17E-07	3.06E-08	1.01E-07	1.32E-07	1.65E-08	4.70E-08	6.35E-08
7912	437306.23	3762979.88	1.98E-07	6.24E-07	8.22E-07	3.08E-08	1.02E-07	1.33E-07	1.66E-08	4.73E-08	6.39E-08
7913	437289.7	3762973.06	1.98E-07	6.22E-07	8.20E-07	3.07E-08	1.02E-07	1.32E-07	1.65E-08	4.72E-08	6.37E-08
7914	437273.17	3762966.25	1.95E-07	6.15E-07	8.10E-07	3.03E-08	1.00E-07	1.31E-07	1.63E-08	4.66E-08	6.29E-08
7915	437261.48	3762954.58	2.03E-07	6.41E-07	8.44E-07	3.16E-08	1.05E-07	1.36E-07	1.70E-08	4.86E-08	6.56E-08
7916	437373.74	3763003.72	1.94E-07	6.12E-07	8.06E-07	3.02E-08	9.99E-08	1.30E-07	1.63E-08	4.63E-08	6.26E-08
7917	437383.39	3763003.7	2E-07	6.29E-07	8.29E-07	3.10E-08	1.03E-07	1.34E-07	1.67E-08	4.77E-08	6.44E-08
7918	437393.04	3763003.68	2.06E-07	6.47E-07	8.53E-07	3.19E-08	1.06E-07	1.38E-07	1.72E-08	4.90E-08	6.62E-08
7919	437421.99	3763003.62	2.22E-07	6.98E-07	9.20E-07	3.45E-08	1.14E-07	1.49E-07	1.86E-08	5.29E-08	7.15E-08
7920	437431.64	3763003.6	2.28E-07	7.19E-07	9.47E-07	3.55E-08	1.17E-07	1.53E-07	1.91E-08	5.45E-08	7.36E-08
7921	437441.29	3763003.58	2.36E-07	7.43E-07	9.78E-07	3.66E-08	1.21E-07	1.58E-07	1.97E-08	5.63E-08	7.60E-08
7922	437450.94	3763003.56	2.44E-07	7.69E-07	1.01E-06	3.79E-08	1.26E-07	1.64E-07	2.04E-08	5.82E-08	7.87E-08
7923	437460.6	3763003.54	2.53E-07	7.97E-07	1.05E-06	3.93E-08	1.30E-07	1.70E-07	2.12E-08	6.04E-08	8.16E-08
7924	437470.25	3763003.52	2.62E-07	8.26E-07	1.09E-06	4.07E-08	1.35E-07	1.76E-07	2.19E-08	6.26E-08	8.45E-08
7925	437499.2	3763003.46	2.96E-07	9.31E-07	1.23E-06	4.59E-08	1.52E-07	1.98E-07	2.47E-08	7.05E-08	9.53E-08
7926	437508.85	3763003.44	3.09E-07	9.73E-07	1.28E-06	4.80E-08	1.59E-07	2.07E-07	2.59E-08	7.37E-08	9.96E-08

7927	437518.5	3763003.42	3.23E-07	1.02E-06	1.34E-06	5.02E-08	1.66E-07	2.17E-07	2.71E-08	7.72E-08	1.04E-07
7928	437528.15	3763003.4	3.37E-07	1.06E-06	1.40E-06	5.24E-08	1.74E-07	2.26E-07	2.82E-08	8.05E-08	1.09E-07
7929	437537.8	3763003.38	3.52E-07	1.11E-06	1.46E-06	5.47E-08	1.81E-07	2.36E-07	2.94E-08	8.40E-08	1.13E-07
7930	437547.45	3763003.36	3.67E-07	1.15E-06	1.52E-06	5.70E-08	1.89E-07	2.46E-07	3.07E-08	8.75E-08	1.18E-07
7931	437355.41	3763020.14	1.57E-07	4.93E-07	6.50E-07	2.43E-08	8.06E-08	1.05E-07	1.31E-08	3.74E-08	5.05E-08
7932	437346.69	3763016.55	1.58E-07	4.99E-07	6.57E-07	2.46E-08	8.15E-08	1.06E-07	1.33E-08	3.78E-08	5.10E-08
7933	437337.97	3763012.95	1.6E-07	5.04E-07	6.64E-07	2.49E-08	8.23E-08	1.07E-07	1.34E-08	3.82E-08	5.16E-08
7934	437329.25	3763009.36	1.61E-07	5.08E-07	6.70E-07	2.51E-08	8.30E-08	1.08E-07	1.35E-08	3.85E-08	5.20E-08
7935	437320.53	3763005.76	1.63E-07	5.12E-07	6.75E-07	2.53E-08	8.37E-08	1.09E-07	1.36E-08	3.88E-08	5.24E-08
7936	437311.82	3763002.16	1.64E-07	5.15E-07	6.79E-07	2.54E-08	8.42E-08	1.10E-07	1.37E-08	3.91E-08	5.28E-08
7937	437303.1	3762998.57	1.64E-07	5.18E-07	6.82E-07	2.56E-08	8.46E-08	1.10E-07	1.38E-08	3.92E-08	5.30E-08
7938	437294.38	3762994.97	1.65E-07	5.19E-07	6.84E-07	2.56E-08	8.48E-08	1.10E-07	1.38E-08	3.94E-08	5.32E-08
7939	437285.66	3762991.38	1.65E-07	5.20E-07	6.85E-07	2.56E-08	8.49E-08	1.11E-07	1.38E-08	3.94E-08	5.32E-08
7940	437276.94	3762987.78	1.65E-07	5.19E-07	6.84E-07	2.56E-08	8.48E-08	1.10E-07	1.38E-08	3.93E-08	5.31E-08
7941	437268.22	3762984.19	1.64E-07	5.17E-07	6.81E-07	2.55E-08	8.44E-08	1.10E-07	1.37E-08	3.92E-08	5.29E-08
7942	437259.5	3762980.59	1.63E-07	5.14E-07	6.77E-07	2.53E-08	8.39E-08	1.09E-07	1.37E-08	3.89E-08	5.26E-08
7943	437218.26	3762898.59	2.31E-07	7.29E-07	9.60E-07	3.60E-08	1.19E-07	1.55E-07	1.94E-08	5.52E-08	7.46E-08
7944	437364.13	3763023.74	1.55E-07	4.87E-07	6.42E-07	2.40E-08	7.96E-08	1.04E-07	1.30E-08	3.69E-08	4.99E-08
7945	437373.78	3763023.72	1.59E-07	5.00E-07	6.58E-07	2.46E-08	8.16E-08	1.06E-07	1.33E-08	3.79E-08	5.11E-08
7946	437383.43	3763023.7	1.63E-07	5.12E-07	6.75E-07	2.53E-08	8.37E-08	1.09E-07	1.36E-08	3.88E-08	5.24E-08
7947	437393.08	3763023.68	1.67E-07	5.25E-07	6.92E-07	2.59E-08	8.58E-08	1.12E-07	1.40E-08	3.98E-08	5.38E-08
7948	437422.03	3763023.62	1.8E-07	5.66E-07	7.46E-07	2.79E-08	9.25E-08	1.20E-07	1.51E-08	4.29E-08	5.80E-08
7949	437431.69	3763023.6	1.85E-07	5.82E-07	7.67E-07	2.87E-08	9.51E-08	1.24E-07	1.55E-08	4.41E-08	5.96E-08
7950	437441.34	3763023.58	1.9E-07	5.99E-07	7.89E-07	2.95E-08	9.78E-08	1.27E-07	1.59E-08	4.54E-08	6.13E-08
7951	437450.99	3763023.56	1.96E-07	6.17E-07	8.12E-07	3.04E-08	1.01E-07	1.31E-07	1.64E-08	4.67E-08	6.31E-08
7952	437355.67	3763040.23	1.3E-07	4.11E-07	5.41E-07	2.03E-08	6.71E-08	8.73E-08	1.09E-08	3.11E-08	4.20E-08
7953	437347.17	3763036.73	1.32E-07	4.15E-07	5.47E-07	2.05E-08	6.78E-08	8.83E-08	1.10E-08	3.15E-08	4.25E-08
7954	437338.67	3763033.22	1.33E-07	4.20E-07	5.53E-07	2.07E-08	6.85E-08	8.92E-08	1.12E-08	3.18E-08	4.29E-08
7955	437330.17	3763029.72	1.35E-07	4.24E-07	5.58E-07	2.09E-08	6.92E-08	9.01E-08	1.13E-08	3.21E-08	4.34E-08
7956	437321.67	3763026.21	1.36E-07	4.27E-07	5.63E-07	2.11E-08	6.98E-08	9.09E-08	1.14E-08	3.24E-08	4.37E-08
7957	437313.16	3763022.7	1.37E-07	4.31E-07	5.68E-07	2.13E-08	7.04E-08	9.17E-08	1.15E-08	3.27E-08	4.41E-08
7958	437304.66	3763019.2	1.37E-07	4.32E-07	5.69E-07	2.13E-08	7.06E-08	9.19E-08	1.15E-08	3.28E-08	4.42E-08
7959	437296.16	3763015.69	1.38E-07	4.35E-07	5.74E-07	2.15E-08	7.11E-08	9.26E-08	1.16E-08	3.30E-08	4.46E-08
7960	437287.66	3763012.19	1.39E-07	4.38E-07	5.77E-07	2.16E-08	7.16E-08	9.32E-08	1.16E-08	3.32E-08	4.48E-08
7961	437279.16	3763008.68	1.39E-07	4.39E-07	5.79E-07	2.17E-08	7.17E-08	9.34E-08	1.17E-08	3.33E-08	4.49E-08
7962	437270.66	3763005.17	1.4E-07	4.39E-07	5.79E-07	2.17E-08	7.18E-08	9.35E-08	1.17E-08	3.33E-08	4.50E-08
7963	437262.16	3763001.67	1.39E-07	4.39E-07	5.78E-07	2.17E-08	7.17E-08	9.34E-08	1.17E-08	3.33E-08	4.49E-08
7964	437219.04	3762948.68	1.7E-07	5.37E-07	7.07E-07	2.65E-08	8.77E-08	1.14E-07	1.43E-08	4.07E-08	5.49E-08
7965	437215.51	3762940.19	1.77E-07	5.56E-07	7.33E-07	2.74E-08	9.09E-08	1.18E-07	1.48E-08	4.21E-08	5.69E-08
7966	437211.99	3762931.69	1.83E-07	5.75E-07	7.57E-07	2.84E-08	9.39E-08	1.22E-07	1.53E-08	4.36E-08	5.88E-08
7967	437208.46	3762923.2	1.88E-07	5.92E-07	7.80E-07	2.92E-08	9.67E-08	1.26E-07	1.57E-08	4.49E-08	6.06E-08
7968	437204.94	3762914.7	1.93E-07	6.08E-07	8.01E-07	3.00E-08	9.93E-08	1.29E-07	1.62E-08	4.61E-08	6.22E-08
7969	437201.42	3762906.21	1.98E-07	6.22E-07	8.20E-07	3.07E-08	1.02E-07	1.32E-07	1.65E-08	4.71E-08	6.37E-08
7970	437197.89	3762897.72	2.01E-07	6.34E-07	8.36E-07	3.13E-08	1.04E-07	1.35E-07	1.69E-08	4.81E-08	6.49E-08
7971	437364.17	3763043.74	1.29E-07	4.06E-07	5.35E-07	2.00E-08	6.63E-08	8.63E-08	1.08E-08	3.07E-08	4.15E-08
7972	437373.82	3763043.72	1.32E-07	4.15E-07	5.47E-07	2.05E-08	6.78E-08	8.82E-08	1.10E-08	3.14E-08	4.25E-08
7973	437383.47	3763043.7	1.35E-07	4.24E-07	5.59E-07	2.09E-08	6.93E-08	9.02E-08	1.13E-08	3.21E-08	4.34E-08
7974	437393.12	3763043.68	1.38E-07	4.34E-07	5.71E-07	2.14E-08	7.09E-08	9.23E-08	1.15E-08	3.29E-08	4.44E-08
7975	437460.68	3763043.54	1.63E-07	5.14E-07	6.77E-07	2.53E-08	8.39E-08	1.09E-07	1.37E-08	3.89E-08	5.26E-08
7976	437470.33	3763043.52	1.67E-07	5.26E-07	6.93E-07	2.59E-08	8.59E-08	1.12E-07	1.40E-08	3.98E-08	5.38E-08
7977	437479.98	3763043.5	1.71E-07	5.39E-07	7.10E-07	2.66E-08	8.80E-08	1.15E-07	1.43E-08	4.08E-08	5.51E-08
7978	437489.63	3763043.48	1.76E-07	5.53E-07	7.29E-07	2.73E-08	9.03E-08	1.18E-07	1.47E-08	4.19E-08	5.66E-08
7979	437499.28	3763043.46	1.82E-07	5.74E-07	7.57E-07	2.83E-08	9.38E-08	1.22E-07	1.53E-08	4.35E-08	5.88E-08
7980	437508.93	3763043.44	1.9E-07	5.98E-07	7.88E-07	2.95E-08	9.77E-08	1.27E-07	1.59E-08	4.53E-08	6.12E-08
7981	437518.58	3763043.42	1.98E-07	6.23E-07	8.21E-07	3.07E-08	1.02E-07	1.33E-07	1.66E-08	4.72E-08	6.38E-08
7982	437528.23	3763043.4	2.05E-07	6.45E-07	8.50E-07	3.18E-08	1.05E-07	1.37E-07	1.71E-08	4.89E-08	6.60E-08
7983	437537.88	3763043.38	2.12E-07	6.67E-07	8.79E-07	3.29E-08	1.09E-07	1.42E-07	1.77E-08	5.05E-08	6.82E-08
7984	437547.53	3763043.36	2.19E-07	6.90E-07	9.09E-07	3.40E-08	1.13E-07	1.47E-07	1.83E-08	5.23E-08	7.06E-08
7985	437355.36	3763060.09	1.1E-07	3.46E-07	4.57E-07	1.71E-08	5.66E-08	7.37E-08	9.21E-09	2.63E-08	3.55E-08
7986	437346.5	3763056.44	1.11E-07	3.51E-07	4.62E-07	1.73E-08	5.73E-08	7.46E-08	9.32E-09	2.66E-08	3.59E-08
7987	437337.65	3763052.78	1.13E-07	3.55E-07	4.67E-07	1.75E-08	5.79E-08	7.54E-08	9.42E-09	2.69E-08	3.63E-08

7988	437328.79	3763049.13	1.14E-07	3.59E-07	4.72E-07	1.77E-08	5.86E-08	7.63E-08	9.53E-09	2.72E-08	3.67E-08
7989	437319.94	3763045.48	1.15E-07	3.62E-07	4.77E-07	1.79E-08	5.92E-08	7.71E-08	9.63E-09	2.75E-08	3.71E-08
7990	437311.08	3763041.83	1.16E-07	3.66E-07	4.82E-07	1.80E-08	5.97E-08	7.78E-08	9.72E-09	2.77E-08	3.74E-08
7991	437302.23	3763038.18	1.17E-07	3.68E-07	4.85E-07	1.82E-08	6.02E-08	7.84E-08	9.79E-09	2.79E-08	3.77E-08
7992	437293.37	3763034.52	1.18E-07	3.71E-07	4.89E-07	1.83E-08	6.06E-08	7.89E-08	9.86E-09	2.81E-08	3.80E-08
7993	437284.51	3763030.87	1.18E-07	3.73E-07	4.92E-07	1.84E-08	6.10E-08	7.94E-08	9.92E-09	2.83E-08	3.82E-08
7994	437275.66	3763027.22	1.19E-07	3.75E-07	4.94E-07	1.85E-08	6.12E-08	7.97E-08	9.96E-09	2.84E-08	3.84E-08
7995	437266.8	3763023.57	1.19E-07	3.76E-07	4.95E-07	1.85E-08	6.14E-08	7.99E-08	9.99E-09	2.85E-08	3.85E-08
7996	437257.95	3763019.92	1.19E-07	3.76E-07	4.96E-07	1.86E-08	6.15E-08	8.00E-08	1.00E-08	2.85E-08	3.85E-08
7997	437218.85	3762996.46	1.24E-07	3.89E-07	5.13E-07	1.92E-08	6.36E-08	8.28E-08	1.03E-08	2.95E-08	3.99E-08
7998	437215.18	3762987.61	1.29E-07	4.07E-07	5.36E-07	2.01E-08	6.65E-08	8.66E-08	1.08E-08	3.09E-08	4.17E-08
7999	437211.51	3762978.76	1.35E-07	4.25E-07	5.60E-07	2.10E-08	6.94E-08	9.04E-08	1.13E-08	3.22E-08	4.35E-08
8000	437207.84	3762969.92	1.41E-07	4.42E-07	5.83E-07	2.18E-08	7.23E-08	9.41E-08	1.18E-08	3.35E-08	4.53E-08
8001	437204.17	3762961.07	1.46E-07	4.60E-07	6.06E-07	2.27E-08	7.51E-08	9.78E-08	1.22E-08	3.48E-08	4.71E-08
8002	437200.5	3762952.22	1.51E-07	4.76E-07	6.28E-07	2.35E-08	7.78E-08	1.01E-07	1.27E-08	3.61E-08	4.88E-08
8003	437196.83	3762943.37	1.56E-07	4.92E-07	6.49E-07	2.43E-08	8.04E-08	1.05E-07	1.31E-08	3.73E-08	5.04E-08
8004	437193.16	3762934.52	1.61E-07	5.07E-07	6.69E-07	2.50E-08	8.29E-08	1.08E-07	1.35E-08	3.85E-08	5.19E-08
8005	437189.49	3762925.68	1.66E-07	5.21E-07	6.87E-07	2.57E-08	8.51E-08	1.11E-07	1.39E-08	3.95E-08	5.33E-08
8006	437185.82	3762916.83	1.7E-07	5.34E-07	7.03E-07	2.63E-08	8.72E-08	1.14E-07	1.42E-08	4.05E-08	5.46E-08
8007	437182.15	3762907.98	1.73E-07	5.45E-07	7.18E-07	2.69E-08	8.91E-08	1.16E-07	1.45E-08	4.13E-08	5.58E-08
8008	437364.21	3763063.74	1.09E-07	3.42E-07	4.51E-07	1.69E-08	5.59E-08	7.28E-08	9.10E-09	2.59E-08	3.50E-08
8009	437373.87	3763063.72	1.11E-07	3.49E-07	4.60E-07	1.72E-08	5.70E-08	7.43E-08	9.28E-09	2.65E-08	3.57E-08
8010	437383.52	3763063.7	1.13E-07	3.56E-07	4.69E-07	1.76E-08	5.82E-08	7.58E-08	9.47E-09	2.70E-08	3.65E-08
8011	437393.17	3763063.68	1.16E-07	3.64E-07	4.79E-07	1.79E-08	5.94E-08	7.74E-08	9.67E-09	2.76E-08	3.72E-08
8012	437402.82	3763063.66	1.18E-07	3.71E-07	4.89E-07	1.83E-08	6.07E-08	7.90E-08	9.87E-09	2.81E-08	3.80E-08
8013	437441.42	3763063.58	1.29E-07	4.06E-07	5.35E-07	2.00E-08	6.63E-08	8.63E-08	1.08E-08	3.07E-08	4.15E-08
8014	437451.07	3763063.56	1.32E-07	4.15E-07	5.47E-07	2.05E-08	6.79E-08	8.84E-08	1.10E-08	3.15E-08	4.25E-08
8015	437460.72	3763063.54	1.35E-07	4.24E-07	5.58E-07	2.09E-08	6.92E-08	9.01E-08	1.13E-08	3.21E-08	4.34E-08
8016	437470.37	3763063.52	1.37E-07	4.32E-07	5.69E-07	2.13E-08	7.06E-08	9.19E-08	1.15E-08	3.28E-08	4.42E-08
8017	437480.02	3763063.5	1.4E-07	4.42E-07	5.82E-07	2.18E-08	7.22E-08	9.39E-08	1.17E-08	3.35E-08	4.52E-08
8018	437489.67	3763063.48	1.44E-07	4.52E-07	5.95E-07	2.23E-08	7.38E-08	9.61E-08	1.20E-08	3.42E-08	4.63E-08
8019	437499.32	3763063.46	1.48E-07	4.67E-07	6.15E-07	2.30E-08	7.63E-08	9.93E-08	1.24E-08	3.54E-08	4.78E-08
8020	437508.97	3763063.44	1.53E-07	4.83E-07	6.37E-07	2.38E-08	7.89E-08	1.03E-07	1.28E-08	3.66E-08	4.95E-08
8021	437518.62	3763063.42	1.59E-07	5.01E-07	6.60E-07	2.47E-08	8.18E-08	1.07E-07	1.33E-08	3.80E-08	5.13E-08
8022	437528.27	3763063.4	1.64E-07	5.17E-07	6.81E-07	2.55E-08	8.44E-08	1.10E-07	1.37E-08	3.92E-08	5.29E-08
8023	437537.92	3763063.38	1.69E-07	5.33E-07	7.03E-07	2.63E-08	8.71E-08	1.13E-07	1.42E-08	4.04E-08	5.46E-08
8024	437547.57	3763063.36	1.75E-07	5.51E-07	7.26E-07	2.72E-08	9.00E-08	1.17E-07	1.46E-08	4.17E-08	5.64E-08
8025	437355.6	3763080.17	9.39E-08	2.96E-07	3.90E-07	1.46E-08	4.83E-08	6.29E-08	7.86E-09	2.24E-08	3.03E-08
8026	437346.94	3763076.6	9.5E-08	2.99E-07	3.94E-07	1.48E-08	4.89E-08	6.36E-08	7.95E-09	2.27E-08	3.06E-08
8027	437338.28	3763073.03	9.61E-08	3.03E-07	3.99E-07	1.49E-08	4.94E-08	6.44E-08	8.04E-09	2.29E-08	3.10E-08
8028	437329.62	3763069.46	9.72E-08	3.06E-07	4.03E-07	1.51E-08	5.00E-08	6.51E-08	8.13E-09	2.32E-08	3.13E-08
8029	437320.96	3763065.89	9.82E-08	3.09E-07	4.07E-07	1.53E-08	5.05E-08	6.58E-08	8.22E-09	2.34E-08	3.17E-08
8030	437312.3	3763062.31	9.92E-08	3.12E-07	4.12E-07	1.54E-08	5.10E-08	6.64E-08	8.30E-09	2.37E-08	3.20E-08
8031	437303.64	3763058.74	1E-07	3.15E-07	4.15E-07	1.55E-08	5.15E-08	6.70E-08	8.38E-09	2.39E-08	3.23E-08
8032	437294.99	3763055.17	1.01E-07	3.18E-07	4.19E-07	1.57E-08	5.19E-08	6.76E-08	8.44E-09	2.41E-08	3.25E-08
8033	437286.33	3763051.6	1.02E-07	3.20E-07	4.21E-07	1.58E-08	5.22E-08	6.80E-08	8.50E-09	2.42E-08	3.27E-08
8034	437277.67	3763048.03	1.02E-07	3.22E-07	4.24E-07	1.59E-08	5.26E-08	6.84E-08	8.55E-09	2.44E-08	3.29E-08
8035	437269.01	3763044.46	1.03E-07	3.23E-07	4.26E-07	1.60E-08	5.28E-08	6.88E-08	8.59E-09	2.45E-08	3.31E-08
8036	437260.35	3763040.89	1.03E-07	3.25E-07	4.28E-07	1.60E-08	5.30E-08	6.90E-08	8.63E-09	2.46E-08	3.32E-08
8037	437217.06	3763023.04	1.03E-07	3.24E-07	4.27E-07	1.60E-08	5.30E-08	6.90E-08	8.62E-09	2.46E-08	3.32E-08
8038	437204.81	3763010.81	1.07E-07	3.37E-07	4.44E-07	1.66E-08	5.50E-08	7.16E-08	8.95E-09	2.55E-08	3.45E-08
8039	437201.22	3763002.16	1.11E-07	3.51E-07	4.62E-07	1.73E-08	5.73E-08	7.47E-08	9.33E-09	2.66E-08	3.59E-08
8040	437197.63	3762993.51	1.16E-07	3.65E-07	4.81E-07	1.80E-08	5.97E-08	7.77E-08	9.71E-09	2.77E-08	3.74E-08
8041	437194.04	3762984.86	1.21E-07	3.80E-07	5.00E-07	1.87E-08	6.20E-08	8.08E-08	1.01E-08	2.88E-08	3.89E-08
8042	437190.45	3762976.21	1.25E-07	3.94E-07	5.19E-07	1.94E-08	6.43E-08	8.38E-08	1.05E-08	2.98E-08	4.03E-08
8043	437186.87	3762967.56	1.29E-07	4.07E-07	5.37E-07	2.01E-08	6.66E-08	8.67E-08	1.08E-08	3.09E-08	4.17E-08
8044	437183.28	3762958.91	1.34E-07	4.21E-07	5.54E-07	2.08E-08	6.87E-08	8.95E-08	1.12E-08	3.19E-08	4.31E-08
8045	437364.26	3763083.74	9.28E-08	2.92E-07	3.85E-07	1.44E-08	4.77E-08	6.22E-08	7.77E-09	2.21E-08	2.99E-08
8046	437373.91	3763083.72	9.44E-08	2.97E-07	3.92E-07	1.47E-08	4.86E-08	6.33E-08	7.91E-09	2.25E-08	3.04E-08
8047	437383.56	3763083.7	9.63E-08	3.03E-07	3.99E-07	1.50E-08	4.95E-08	6.45E-08	8.06E-09	2.30E-08	3.10E-08
8048	437393.21	3763083.68	9.81E-08	3.09E-07	4.07E-07	1.52E-08	5.05E-08	6.57E-08	8.21E-09	2.34E-08	3.16E-08

8049	437480.06	3763083.5	1.17E-07	3.69E-07	4.86E-07	1.82E-08	6.02E-08	7.84E-08	9.80E-09	2.79E-08	3.77E-08
8050	437489.71	3763083.48	1.19E-07	3.76E-07	4.96E-07	1.86E-08	6.15E-08	8.00E-08	1.00E-08	2.85E-08	3.85E-08
8051	437499.36	3763083.46	1.23E-07	3.87E-07	5.09E-07	1.91E-08	6.32E-08	8.22E-08	1.03E-08	2.93E-08	3.96E-08
8052	437509.01	3763083.44	1.26E-07	3.98E-07	5.24E-07	1.96E-08	6.50E-08	8.46E-08	1.06E-08	3.01E-08	4.07E-08
8053	437518.66	3763083.42	1.3E-07	4.10E-07	5.40E-07	2.02E-08	6.69E-08	8.71E-08	1.09E-08	3.10E-08	4.19E-08
8054	437528.31	3763083.4	1.34E-07	4.22E-07	5.56E-07	2.08E-08	6.89E-08	8.98E-08	1.12E-08	3.20E-08	4.32E-08
8055	437537.97	3763083.38	1.38E-07	4.35E-07	5.73E-07	2.15E-08	7.11E-08	9.26E-08	1.16E-08	3.30E-08	4.45E-08
8056	437547.62	3763083.36	1.43E-07	4.49E-07	5.92E-07	2.22E-08	7.34E-08	9.55E-08	1.19E-08	3.40E-08	4.60E-08
8057	437355.8	3763100.23	8.1E-08	2.55E-07	3.36E-07	1.26E-08	4.17E-08	5.43E-08	6.78E-09	1.93E-08	2.61E-08
8058	437347.29	3763096.73	8.19E-08	2.58E-07	3.40E-07	1.27E-08	4.21E-08	5.49E-08	6.86E-09	1.95E-08	2.64E-08
8059	437338.79	3763093.22	8.28E-08	2.61E-07	3.44E-07	1.29E-08	4.26E-08	5.55E-08	6.93E-09	1.98E-08	2.67E-08
8060	437330.29	3763089.72	8.37E-08	2.64E-07	3.47E-07	1.30E-08	4.31E-08	5.61E-08	7.01E-09	2.00E-08	2.70E-08
8061	437321.79	3763086.21	8.46E-08	2.66E-07	3.51E-07	1.31E-08	4.35E-08	5.67E-08	7.08E-09	2.02E-08	2.73E-08
8062	437313.29	3763082.7	8.55E-08	2.69E-07	3.55E-07	1.33E-08	4.40E-08	5.72E-08	7.15E-09	2.04E-08	2.75E-08
8063	437304.79	3763079.2	8.63E-08	2.72E-07	3.58E-07	1.34E-08	4.44E-08	5.78E-08	7.22E-09	2.06E-08	2.78E-08
8064	437296.29	3763075.69	8.71E-08	2.74E-07	3.61E-07	1.35E-08	4.48E-08	5.83E-08	7.29E-09	2.08E-08	2.81E-08
8065	437287.79	3763072.19	8.78E-08	2.76E-07	3.64E-07	1.36E-08	4.51E-08	5.88E-08	7.35E-09	2.09E-08	2.83E-08
8066	437279.28	3763068.68	8.84E-08	2.78E-07	3.67E-07	1.37E-08	4.55E-08	5.92E-08	7.40E-09	2.11E-08	2.85E-08
8067	437270.78	3763065.17	8.9E-08	2.80E-07	3.69E-07	1.38E-08	4.58E-08	5.96E-08	7.45E-09	2.12E-08	2.87E-08
8068	437262.28	3763061.67	8.94E-08	2.82E-07	3.71E-07	1.39E-08	4.60E-08	5.99E-08	7.49E-09	2.13E-08	2.88E-08
8069	437253.78	3763058.16	8.98E-08	2.83E-07	3.73E-07	1.40E-08	4.62E-08	6.02E-08	7.52E-09	2.14E-08	2.90E-08
8070	437245.28	3763054.66	9.01E-08	2.84E-07	3.74E-07	1.40E-08	4.64E-08	6.04E-08	7.54E-09	2.15E-08	2.91E-08
8071	437219.77	3763044.14	9.04E-08	2.85E-07	3.75E-07	1.41E-08	4.65E-08	6.06E-08	7.57E-09	2.16E-08	2.91E-08
8072	437211.27	3763040.63	9.03E-08	2.84E-07	3.75E-07	1.40E-08	4.65E-08	6.05E-08	7.56E-09	2.15E-08	2.91E-08
8073	437202.77	3763037.13	9E-08	2.84E-07	3.74E-07	1.40E-08	4.63E-08	6.03E-08	7.54E-09	2.15E-08	2.90E-08
8074	437190.75	3763025.13	9.33E-08	2.94E-07	3.87E-07	1.45E-08	4.80E-08	6.25E-08	7.81E-09	2.23E-08	3.01E-08
8075	437187.22	3763016.63	9.7E-08	3.05E-07	4.02E-07	1.51E-08	4.99E-08	6.50E-08	8.12E-09	2.31E-08	3.13E-08
8076	437183.7	3763008.14	1.01E-07	3.17E-07	4.18E-07	1.57E-08	5.18E-08	6.75E-08	8.43E-09	2.40E-08	3.25E-08
8077	437180.18	3762999.65	1.05E-07	3.29E-07	4.34E-07	1.62E-08	5.38E-08	7.00E-08	8.75E-09	2.49E-08	3.37E-08
8078	437144.94	3762914.7	1.35E-07	4.25E-07	5.60E-07	2.10E-08	6.95E-08	9.05E-08	1.13E-08	3.22E-08	4.35E-08
8079	437141.42	3762906.21	1.36E-07	4.29E-07	5.65E-07	2.12E-08	7.00E-08	9.12E-08	1.14E-08	3.25E-08	4.39E-08
8080	437364.3	3763103.74	8.01E-08	2.52E-07	3.32E-07	1.24E-08	4.12E-08	5.37E-08	6.71E-09	1.91E-08	2.58E-08
8081	437373.95	3763103.72	8.14E-08	2.56E-07	3.38E-07	1.27E-08	4.19E-08	5.46E-08	6.82E-09	1.94E-08	2.62E-08
8082	437383.6	3763103.7	8.28E-08	2.61E-07	3.44E-07	1.29E-08	4.26E-08	5.55E-08	6.93E-09	1.98E-08	2.67E-08
8083	437422.2	3763103.62	8.9E-08	2.80E-07	3.69E-07	1.38E-08	4.58E-08	5.96E-08	7.45E-09	2.12E-08	2.87E-08
8084	437431.85	3763103.6	9.08E-08	2.86E-07	3.77E-07	1.41E-08	4.67E-08	6.08E-08	7.60E-09	2.17E-08	2.93E-08
8085	437441.5	3763103.58	9.25E-08	2.91E-07	3.84E-07	1.44E-08	4.76E-08	6.20E-08	7.74E-09	2.21E-08	2.98E-08
8086	437451.15	3763103.56	9.44E-08	2.97E-07	3.92E-07	1.47E-08	4.86E-08	6.32E-08	7.90E-09	2.25E-08	3.04E-08
8087	437499.4	3763103.46	1.04E-07	3.27E-07	4.31E-07	1.61E-08	5.34E-08	6.95E-08	8.69E-09	2.48E-08	3.35E-08
8088	437509.06	3763103.44	1.07E-07	3.37E-07	4.43E-07	1.66E-08	5.50E-08	7.16E-08	8.95E-09	2.55E-08	3.45E-08
8089	437518.71	3763103.42	1.1E-07	3.47E-07	4.57E-07	1.71E-08	5.67E-08	7.38E-08	9.22E-09	2.63E-08	3.55E-08
8090	437528.36	3763103.4	1.13E-07	3.55E-07	4.68E-07	1.75E-08	5.81E-08	7.56E-08	9.45E-09	2.69E-08	3.64E-08
8091	437538.01	3763103.38	1.16E-07	3.64E-07	4.80E-07	1.80E-08	5.95E-08	7.74E-08	9.68E-09	2.76E-08	3.73E-08
8092	437547.66	3763103.36	1.19E-07	3.73E-07	4.92E-07	1.84E-08	6.10E-08	7.94E-08	9.92E-09	2.83E-08	3.82E-08
8093	437355.57	3763120.12	7.06E-08	2.22E-07	2.93E-07	1.10E-08	3.63E-08	4.73E-08	5.91E-09	1.68E-08	2.27E-08
8094	437346.8	3763116.51	7.13E-08	2.25E-07	2.96E-07	1.11E-08	3.67E-08	4.78E-08	5.97E-09	1.70E-08	2.30E-08
8095	437338.03	3763112.89	7.21E-08	2.27E-07	2.99E-07	1.12E-08	3.71E-08	4.83E-08	6.03E-09	1.72E-08	2.32E-08
8096	437329.25	3763109.27	7.29E-08	2.29E-07	3.02E-07	1.13E-08	3.75E-08	4.88E-08	6.10E-09	1.74E-08	2.35E-08
8097	437320.48	3763105.65	7.36E-08	2.32E-07	3.05E-07	1.14E-08	3.79E-08	4.93E-08	6.16E-09	1.76E-08	2.37E-08
8098	437311.71	3763102.04	7.44E-08	2.34E-07	3.09E-07	1.16E-08	3.83E-08	4.98E-08	6.23E-09	1.78E-08	2.40E-08
8099	437302.94	3763098.42	7.51E-08	2.37E-07	3.12E-07	1.17E-08	3.87E-08	5.03E-08	6.29E-09	1.79E-08	2.42E-08
8100	437294.17	3763094.8	7.59E-08	2.39E-07	3.15E-07	1.18E-08	3.90E-08	5.08E-08	6.35E-09	1.81E-08	2.45E-08
8101	437285.4	3763091.18	7.66E-08	2.41E-07	3.18E-07	1.19E-08	3.94E-08	5.13E-08	6.41E-09	1.83E-08	2.47E-08
8102	437276.63	3763087.57	7.72E-08	2.43E-07	3.20E-07	1.20E-08	3.97E-08	5.17E-08	6.46E-09	1.84E-08	2.49E-08
8103	437267.86	3763083.95	7.78E-08	2.45E-07	3.23E-07	1.21E-08	4.00E-08	5.21E-08	6.51E-09	1.86E-08	2.51E-08
8104	437259.08	3763080.33	7.83E-08	2.47E-07	3.25E-07	1.22E-08	4.03E-08	5.25E-08	6.56E-09	1.87E-08	2.52E-08
8105	437250.31	3763076.72	7.88E-08	2.48E-07	3.27E-07	1.22E-08	4.05E-08	5.28E-08	6.59E-09	1.88E-08	2.54E-08
8106	437241.54	3763073.1	7.91E-08	2.49E-07	3.28E-07	1.23E-08	4.07E-08	5.30E-08	6.62E-09	1.89E-08	2.55E-08
8107	437232.77	3763069.48	7.94E-08	2.50E-07	3.30E-07	1.23E-08	4.09E-08	5.32E-08	6.65E-09	1.90E-08	2.56E-08
8108	437224	3763065.86	7.96E-08	2.51E-07	3.30E-07	1.24E-08	4.10E-08	5.33E-08	6.66E-09	1.90E-08	2.57E-08
8109	437215.23	3763062.25	7.97E-08	2.51E-07	3.31E-07	1.24E-08	4.10E-08	5.34E-08	6.67E-09	1.90E-08	2.57E-08

8110	437206.46	3763058.63	7.97E-08	2.51E-07	3.31E-07	1.24E-08	4.10E-08	5.34E-08	6.67E-09	1.90E-08	2.57E-08
8111	437197.69	3763055.01	7.96E-08	2.51E-07	3.30E-07	1.24E-08	4.10E-08	5.33E-08	6.67E-09	1.90E-08	2.57E-08
8112	437188.91	3763051.4	7.94E-08	2.50E-07	3.30E-07	1.23E-08	4.09E-08	5.32E-08	6.65E-09	1.90E-08	2.56E-08
8113	437143.79	3762960.14	1.1E-07	3.47E-07	4.57E-07	1.71E-08	5.67E-08	7.38E-08	9.22E-09	2.63E-08	3.55E-08
8114	437140.15	3762951.38	1.13E-07	3.55E-07	4.68E-07	1.75E-08	5.80E-08	7.56E-08	9.44E-09	2.69E-08	3.64E-08
8115	437136.52	3762942.61	1.15E-07	3.63E-07	4.78E-07	1.79E-08	5.93E-08	7.72E-08	9.64E-09	2.75E-08	3.71E-08
8116	437132.88	3762933.85	1.17E-07	3.70E-07	4.87E-07	1.82E-08	6.04E-08	7.86E-08	9.82E-09	2.80E-08	3.78E-08
8117	437129.25	3762925.09	1.19E-07	3.76E-07	4.95E-07	1.85E-08	6.14E-08	7.99E-08	9.98E-09	2.85E-08	3.84E-08
8118	437125.61	3762916.32	1.21E-07	3.81E-07	5.02E-07	1.88E-08	6.22E-08	8.10E-08	1.01E-08	2.89E-08	3.90E-08
8119	437121.98	3762907.56	1.22E-07	3.84E-07	5.06E-07	1.90E-08	6.28E-08	8.17E-08	1.02E-08	2.91E-08	3.93E-08
8120	437118.34	3762898.79	1.23E-07	3.87E-07	5.09E-07	1.91E-08	6.32E-08	8.22E-08	1.03E-08	2.93E-08	3.96E-08
8121	437364.34	3763123.74	6.98E-08	2.20E-07	2.90E-07	1.09E-08	3.59E-08	4.68E-08	5.85E-09	1.67E-08	2.25E-08
8122	437373.99	3763123.72	7.09E-08	2.23E-07	2.94E-07	1.10E-08	3.65E-08	4.75E-08	5.94E-09	1.69E-08	2.29E-08
8123	437383.64	3763123.7	7.2E-08	2.27E-07	2.99E-07	1.12E-08	3.71E-08	4.82E-08	6.03E-09	1.72E-08	2.32E-08
8124	437422.24	3763123.62	7.7E-08	2.43E-07	3.20E-07	1.20E-08	3.96E-08	5.16E-08	6.45E-09	1.84E-08	2.48E-08
8125	437431.89	3763123.6	7.84E-08	2.47E-07	3.25E-07	1.22E-08	4.03E-08	5.25E-08	6.56E-09	1.87E-08	2.53E-08
8126	437441.54	3763123.58	7.98E-08	2.51E-07	3.31E-07	1.24E-08	4.11E-08	5.35E-08	6.68E-09	1.90E-08	2.57E-08
8127	437451.19	3763123.56	8.13E-08	2.56E-07	3.37E-07	1.26E-08	4.18E-08	5.45E-08	6.81E-09	1.94E-08	2.62E-08
8128	437460.84	3763123.54	8.29E-08	2.61E-07	3.44E-07	1.29E-08	4.27E-08	5.55E-08	6.94E-09	1.98E-08	2.67E-08
8129	437470.49	3763123.52	8.43E-08	2.66E-07	3.50E-07	1.31E-08	4.34E-08	5.65E-08	7.06E-09	2.01E-08	2.72E-08
8130	437499.45	3763123.46	8.9E-08	2.80E-07	3.69E-07	1.38E-08	4.58E-08	5.96E-08	7.45E-09	2.12E-08	2.87E-08
8131	437509.1	3763123.44	9.11E-08	2.87E-07	3.78E-07	1.42E-08	4.69E-08	6.10E-08	7.62E-09	2.17E-08	2.94E-08
8132	437518.75	3763123.42	9.33E-08	2.94E-07	3.87E-07	1.45E-08	4.80E-08	6.25E-08	7.81E-09	2.23E-08	3.01E-08
8133	437528.4	3763123.4	9.54E-08	3.01E-07	3.96E-07	1.48E-08	4.91E-08	6.39E-08	7.99E-09	2.28E-08	3.08E-08
8134	437538.05	3763123.38	9.76E-08	3.07E-07	4.05E-07	1.52E-08	5.02E-08	6.54E-08	8.17E-09	2.33E-08	3.15E-08
8135	437547.7	3763123.36	1E-07	3.15E-07	4.15E-07	1.55E-08	5.14E-08	6.70E-08	8.37E-09	2.39E-08	3.22E-08
8136	437355.76	3763140.18	6.2E-08	1.95E-07	2.57E-07	9.63E-09	3.19E-08	4.15E-08	5.19E-09	1.48E-08	2.00E-08
8137	437347.13	3763136.63	6.26E-08	1.97E-07	2.60E-07	9.72E-09	3.22E-08	4.19E-08	5.24E-09	1.49E-08	2.02E-08
8138	437338.51	3763133.07	6.32E-08	1.99E-07	2.62E-07	9.82E-09	3.25E-08	4.23E-08	5.29E-09	1.51E-08	2.04E-08
8139	437329.88	3763129.51	6.38E-08	2.01E-07	2.65E-07	9.92E-09	3.28E-08	4.28E-08	5.34E-09	1.52E-08	2.06E-08
8140	437321.26	3763125.96	6.45E-08	2.03E-07	2.67E-07	1.00E-08	3.32E-08	4.32E-08	5.40E-09	1.54E-08	2.08E-08
8141	437312.63	3763122.4	6.51E-08	2.05E-07	2.70E-07	1.01E-08	3.35E-08	4.36E-08	5.45E-09	1.55E-08	2.10E-08
8142	437304.01	3763118.84	6.57E-08	2.07E-07	2.73E-07	1.02E-08	3.38E-08	4.40E-08	5.50E-09	1.57E-08	2.12E-08
8143	437295.38	3763115.29	6.64E-08	2.09E-07	2.75E-07	1.03E-08	3.41E-08	4.45E-08	5.56E-09	1.58E-08	2.14E-08
8144	437286.76	3763111.73	6.7E-08	2.11E-07	2.78E-07	1.04E-08	3.45E-08	4.49E-08	5.61E-09	1.60E-08	2.16E-08
8145	437278.13	3763108.17	6.76E-08	2.13E-07	2.80E-07	1.05E-08	3.48E-08	4.53E-08	5.66E-09	1.61E-08	2.18E-08
8146	437269.51	3763104.62	6.82E-08	2.15E-07	2.83E-07	1.06E-08	3.51E-08	4.57E-08	5.71E-09	1.63E-08	2.20E-08
8147	437260.89	3763101.06	6.87E-08	2.16E-07	2.85E-07	1.07E-08	3.53E-08	4.60E-08	5.75E-09	1.64E-08	2.21E-08
8148	437252.26	3763097.5	6.92E-08	2.18E-07	2.87E-07	1.07E-08	3.56E-08	4.63E-08	5.79E-09	1.65E-08	2.23E-08
8149	437243.64	3763093.95	6.96E-08	2.19E-07	2.89E-07	1.08E-08	3.58E-08	4.66E-08	5.83E-09	1.66E-08	2.24E-08
8150	437235.01	3763090.39	7E-08	2.20E-07	2.90E-07	1.09E-08	3.60E-08	4.69E-08	5.86E-09	1.67E-08	2.26E-08
8151	437226.39	3763086.83	7.03E-08	2.21E-07	2.92E-07	1.09E-08	3.62E-08	4.71E-08	5.88E-09	1.68E-08	2.27E-08
8152	437217.76	3763083.28	7.05E-08	2.22E-07	2.93E-07	1.10E-08	3.63E-08	4.73E-08	5.90E-09	1.68E-08	2.27E-08
8153	437209.14	3763079.72	7.07E-08	2.23E-07	2.93E-07	1.10E-08	3.64E-08	4.74E-08	5.92E-09	1.69E-08	2.28E-08
8154	437200.51	3763076.16	7.08E-08	2.23E-07	2.94E-07	1.10E-08	3.64E-08	4.74E-08	5.93E-09	1.69E-08	2.28E-08
8155	437191.89	3763072.61	7.08E-08	2.23E-07	2.94E-07	1.10E-08	3.64E-08	4.75E-08	5.93E-09	1.69E-08	2.28E-08
8156	437183.26	3763069.05	7.08E-08	2.23E-07	2.94E-07	1.10E-08	3.64E-08	4.74E-08	5.92E-09	1.69E-08	2.28E-08
8157	437144.57	3763010.23	8.65E-08	2.72E-07	3.59E-07	1.34E-08	4.45E-08	5.80E-08	7.24E-09	2.06E-08	2.79E-08
8158	437140.99	3763001.61	8.92E-08	2.81E-07	3.70E-07	1.39E-08	4.59E-08	5.97E-08	7.46E-09	2.13E-08	2.87E-08
8159	437137.42	3762993	9.17E-08	2.89E-07	3.81E-07	1.43E-08	4.72E-08	6.15E-08	7.68E-09	2.19E-08	2.96E-08
8160	437133.84	3762984.38	9.42E-08	2.97E-07	3.91E-07	1.46E-08	4.85E-08	6.31E-08	7.89E-09	2.25E-08	3.04E-08
8161	437130.27	3762975.76	9.67E-08	3.04E-07	4.01E-07	1.50E-08	4.97E-08	6.47E-08	8.09E-09	2.31E-08	3.12E-08
8162	437126.69	3762967.15	9.9E-08	3.12E-07	4.11E-07	1.54E-08	5.09E-08	6.63E-08	8.28E-09	2.36E-08	3.19E-08
8163	437123.12	3762958.53	1.01E-07	3.18E-07	4.20E-07	1.57E-08	5.20E-08	6.77E-08	8.46E-09	2.41E-08	3.26E-08
8164	437119.55	3762949.91	1.03E-07	3.25E-07	4.28E-07	1.60E-08	5.31E-08	6.91E-08	8.63E-09	2.46E-08	3.32E-08
8165	437115.97	3762941.29	1.05E-07	3.31E-07	4.35E-07	1.63E-08	5.40E-08	7.03E-08	8.78E-09	2.50E-08	3.38E-08
8166	437112.4	3762932.68	1.07E-07	3.36E-07	4.42E-07	1.66E-08	5.48E-08	7.14E-08	8.92E-09	2.54E-08	3.44E-08
8167	437108.82	3762924.06	1.08E-07	3.40E-07	4.48E-07	1.68E-08	5.56E-08	7.24E-08	9.04E-09	2.58E-08	3.48E-08
8168	437105.25	3762915.44	1.09E-07	3.44E-07	4.53E-07	1.70E-08	5.62E-08	7.32E-08	9.14E-09	2.61E-08	3.52E-08
8169	437101.67	3762906.83	1.1E-07	3.47E-07	4.57E-07	1.71E-08	5.67E-08	7.38E-08	9.22E-09	2.63E-08	3.55E-08
8170	437098.1	3762898.21	1.11E-07	3.49E-07	4.60E-07	1.72E-08	5.71E-08	7.43E-08	9.28E-09	2.65E-08	3.58E-08

8171	437364.38	3763143.74	6.14E-08	1.93E-07	2.55E-07	9.54E-09	3.16E-08	4.11E-08	5.14E-09	1.46E-08	1.98E-08
8172	437374.03	3763143.72	6.23E-08	1.96E-07	2.58E-07	9.68E-09	3.20E-08	4.17E-08	5.21E-09	1.49E-08	2.01E-08
8173	437383.68	3763143.7	6.32E-08	1.99E-07	2.62E-07	9.82E-09	3.25E-08	4.23E-08	5.29E-09	1.51E-08	2.04E-08
8174	437422.28	3763143.62	6.73E-08	2.12E-07	2.79E-07	1.05E-08	3.46E-08	4.51E-08	5.63E-09	1.61E-08	2.17E-08
8175	437431.93	3763143.6	6.84E-08	2.15E-07	2.84E-07	1.06E-08	3.52E-08	4.58E-08	5.73E-09	1.63E-08	2.20E-08
8176	437441.58	3763143.58	6.96E-08	2.19E-07	2.89E-07	1.08E-08	3.58E-08	4.66E-08	5.82E-09	1.66E-08	2.24E-08
8177	437451.24	3763143.56	7.08E-08	2.23E-07	2.94E-07	1.10E-08	3.64E-08	4.74E-08	5.93E-09	1.69E-08	2.28E-08
8178	437460.89	3763143.54	7.21E-08	2.27E-07	2.99E-07	1.12E-08	3.71E-08	4.83E-08	6.04E-09	1.72E-08	2.32E-08
8179	437470.54	3763143.52	7.34E-08	2.31E-07	3.05E-07	1.14E-08	3.78E-08	4.92E-08	6.14E-09	1.75E-08	2.37E-08
8180	437509.14	3763143.44	7.84E-08	2.47E-07	3.25E-07	1.22E-08	4.03E-08	5.25E-08	6.56E-09	1.87E-08	2.53E-08
8181	437518.79	3763143.42	7.97E-08	2.51E-07	3.31E-07	1.24E-08	4.10E-08	5.34E-08	6.67E-09	1.90E-08	2.57E-08
8182	437528.44	3763143.4	8.14E-08	2.56E-07	3.38E-07	1.27E-08	4.19E-08	5.46E-08	6.82E-09	1.94E-08	2.63E-08
8183	437538.09	3763143.38	8.33E-08	2.62E-07	3.46E-07	1.29E-08	4.29E-08	5.58E-08	6.97E-09	1.99E-08	2.68E-08
8184	437547.74	3763143.36	8.53E-08	2.69E-07	3.54E-07	1.33E-08	4.39E-08	5.71E-08	7.14E-09	2.03E-08	2.75E-08
8185	437355.57	3763160.09	5.48E-08	1.73E-07	2.27E-07	8.52E-09	2.82E-08	3.67E-08	4.59E-09	1.31E-08	1.77E-08
8186	437346.71	3763156.44	5.53E-08	1.74E-07	2.30E-07	8.60E-09	2.85E-08	3.71E-08	4.63E-09	1.32E-08	1.78E-08
8187	437337.85	3763152.78	5.59E-08	1.76E-07	2.32E-07	8.68E-09	2.87E-08	3.74E-08	4.68E-09	1.33E-08	1.80E-08
8188	437329	3763149.13	5.64E-08	1.78E-07	2.34E-07	8.77E-09	2.90E-08	3.78E-08	4.72E-09	1.35E-08	1.82E-08
8189	437320.14	3763145.48	5.7E-08	1.79E-07	2.36E-07	8.85E-09	2.93E-08	3.82E-08	4.77E-09	1.36E-08	1.84E-08
8190	437311.29	3763141.83	5.76E-08	1.81E-07	2.39E-07	8.94E-09	2.96E-08	3.86E-08	4.82E-09	1.37E-08	1.86E-08
8191	437302.43	3763138.18	5.81E-08	1.83E-07	2.41E-07	9.03E-09	2.99E-08	3.89E-08	4.86E-09	1.39E-08	1.87E-08
8192	437293.58	3763134.52	5.87E-08	1.85E-07	2.43E-07	9.12E-09	3.02E-08	3.93E-08	4.91E-09	1.40E-08	1.89E-08
8193	437284.72	3763130.87	5.92E-08	1.86E-07	2.46E-07	9.20E-09	3.05E-08	3.97E-08	4.96E-09	1.41E-08	1.91E-08
8194	437275.87	3763127.22	5.98E-08	1.88E-07	2.48E-07	9.29E-09	3.07E-08	4.00E-08	5.00E-09	1.43E-08	1.93E-08
8195	437267.01	3763123.57	6.03E-08	1.90E-07	2.50E-07	9.37E-09	3.10E-08	4.04E-08	5.05E-09	1.44E-08	1.94E-08
8196	437258.15	3763119.92	6.08E-08	1.92E-07	2.52E-07	9.45E-09	3.13E-08	4.07E-08	5.09E-09	1.45E-08	1.96E-08
8197	437249.3	3763116.26	6.13E-08	1.93E-07	2.54E-07	9.52E-09	3.15E-08	4.11E-08	5.13E-09	1.46E-08	1.98E-08
8198	437240.44	3763112.61	6.17E-08	1.94E-07	2.56E-07	9.59E-09	3.18E-08	4.13E-08	5.17E-09	1.47E-08	1.99E-08
8199	437231.59	3763108.96	6.21E-08	1.96E-07	2.58E-07	9.65E-09	3.20E-08	4.16E-08	5.20E-09	1.48E-08	2.00E-08
8200	437222.73	3763105.31	6.24E-08	1.97E-07	2.59E-07	9.70E-09	3.21E-08	4.18E-08	5.23E-09	1.49E-08	2.01E-08
8201	437213.88	3763101.66	6.27E-08	1.98E-07	2.60E-07	9.75E-09	3.23E-08	4.20E-08	5.25E-09	1.50E-08	2.02E-08
8202	437205.02	3763098	6.3E-08	1.98E-07	2.61E-07	9.79E-09	3.24E-08	4.22E-08	5.27E-09	1.50E-08	2.03E-08
8203	437196.17	3763094.35	6.32E-08	1.99E-07	2.62E-07	9.82E-09	3.25E-08	4.23E-08	5.29E-09	1.51E-08	2.04E-08
8204	437187.31	3763090.7	6.33E-08	1.99E-07	2.63E-07	9.83E-09	3.26E-08	4.24E-08	5.30E-09	1.51E-08	2.04E-08
8205	437144.55	3763058.4	6.77E-08	2.13E-07	2.81E-07	1.05E-08	3.48E-08	4.53E-08	5.67E-09	1.62E-08	2.18E-08
8206	437140.88	3763049.55	7.01E-08	2.21E-07	2.91E-07	1.09E-08	3.60E-08	4.69E-08	5.87E-09	1.67E-08	2.26E-08
8207	437137.21	3763040.7	7.25E-08	2.28E-07	3.01E-07	1.13E-08	3.73E-08	4.85E-08	6.07E-09	1.73E-08	2.34E-08
8208	437133.54	3763031.85	7.49E-08	2.36E-07	3.11E-07	1.16E-08	3.85E-08	5.01E-08	6.27E-09	1.79E-08	2.41E-08
8209	437129.87	3763023	7.72E-08	2.43E-07	3.21E-07	1.20E-08	3.97E-08	5.17E-08	6.47E-09	1.84E-08	2.49E-08
8210	437126.2	3763014.16	7.96E-08	2.51E-07	3.30E-07	1.24E-08	4.09E-08	5.33E-08	6.66E-09	1.90E-08	2.57E-08
8211	437122.53	3763005.31	8.19E-08	2.58E-07	3.40E-07	1.27E-08	4.21E-08	5.49E-08	6.85E-09	1.95E-08	2.64E-08
8212	437118.85	3762996.46	8.41E-08	2.65E-07	3.49E-07	1.31E-08	4.33E-08	5.64E-08	7.04E-09	2.01E-08	2.71E-08
8213	437115.18	3762987.61	8.63E-08	2.72E-07	3.58E-07	1.34E-08	4.44E-08	5.78E-08	7.22E-09	2.06E-08	2.78E-08
8214	437111.51	3762978.76	8.84E-08	2.78E-07	3.67E-07	1.37E-08	4.55E-08	5.92E-08	7.40E-09	2.11E-08	2.85E-08
8215	437107.84	3762969.92	9.03E-08	2.84E-07	3.75E-07	1.40E-08	4.65E-08	6.05E-08	7.56E-09	2.16E-08	2.91E-08
8216	437104.17	3762961.07	9.21E-08	2.90E-07	3.82E-07	1.43E-08	4.74E-08	6.17E-08	7.71E-09	2.20E-08	2.97E-08
8217	437100.5	3762952.22	9.38E-08	2.95E-07	3.89E-07	1.46E-08	4.83E-08	6.28E-08	7.85E-09	2.24E-08	3.02E-08
8218	437096.83	3762943.37	9.53E-08	3.00E-07	3.95E-07	1.48E-08	4.90E-08	6.38E-08	7.98E-09	2.27E-08	3.07E-08
8219	437093.16	3762934.52	9.66E-08	3.04E-07	4.01E-07	1.50E-08	4.97E-08	6.47E-08	8.09E-09	2.31E-08	3.11E-08
8220	437089.49	3762925.68	9.77E-08	3.08E-07	4.06E-07	1.52E-08	5.03E-08	6.55E-08	8.18E-09	2.33E-08	3.15E-08
8221	437085.82	3762916.83	9.87E-08	3.11E-07	4.10E-07	1.53E-08	5.08E-08	6.61E-08	8.26E-09	2.36E-08	3.18E-08
8222	437082.15	3762907.98	9.95E-08	3.13E-07	4.13E-07	1.55E-08	5.12E-08	6.66E-08	8.33E-09	2.37E-08	3.21E-08
8223	437078.48	3762899.13	1E-07	3.15E-07	4.15E-07	1.55E-08	5.15E-08	6.70E-08	8.37E-09	2.39E-08	3.22E-08
8224	437364.42	3763163.74	5.43E-08	1.71E-07	2.25E-07	8.44E-09	2.79E-08	3.64E-08	4.55E-09	1.30E-08	1.75E-08
8225	437374.07	3763163.72	5.51E-08	1.73E-07	2.28E-07	8.55E-09	2.83E-08	3.69E-08	4.61E-09	1.31E-08	1.77E-08
8226	437383.72	3763163.7	5.58E-08	1.76E-07	2.32E-07	8.67E-09	2.87E-08	3.74E-08	4.67E-09	1.33E-08	1.80E-08
8227	437422.32	3763163.62	5.92E-08	1.86E-07	2.46E-07	9.20E-09	3.05E-08	3.97E-08	4.96E-09	1.41E-08	1.91E-08
8228	437431.98	3763163.6	6.02E-08	1.90E-07	2.50E-07	9.35E-09	3.10E-08	4.03E-08	5.04E-09	1.44E-08	1.94E-08
8229	437441.63	3763163.58	6.12E-08	1.93E-07	2.54E-07	9.51E-09	3.15E-08	4.10E-08	5.12E-09	1.46E-08	1.97E-08
8230	437451.28	3763163.56	6.22E-08	1.96E-07	2.58E-07	9.67E-09	3.20E-08	4.17E-08	5.21E-09	1.48E-08	2.01E-08
8231	437460.93	3763163.54	6.33E-08	1.99E-07	2.63E-07	9.83E-09	3.26E-08	4.24E-08	5.30E-09	1.51E-08	2.04E-08

8232	437470.58	3763163.52	6.44E-08	2.03E-07	2.67E-07	1.00E-08	3.31E-08	4.31E-08	5.39E-09	1.54E-08	2.07E-08
8233	437509.18	3763163.44	6.85E-08	2.16E-07	2.84E-07	1.07E-08	3.53E-08	4.59E-08	5.74E-09	1.64E-08	2.21E-08
8234	437518.83	3763163.42	6.94E-08	2.19E-07	2.88E-07	1.08E-08	3.57E-08	4.65E-08	5.81E-09	1.66E-08	2.24E-08
8235	437528.48	3763163.4	7.05E-08	2.22E-07	2.93E-07	1.10E-08	3.63E-08	4.73E-08	5.90E-09	1.68E-08	2.27E-08
8236	437538.13	3763163.38	7.18E-08	2.26E-07	2.98E-07	1.12E-08	3.69E-08	4.81E-08	6.01E-09	1.71E-08	2.32E-08
8237	437547.78	3763163.36	7.32E-08	2.30E-07	3.04E-07	1.14E-08	3.76E-08	4.90E-08	6.13E-09	1.75E-08	2.36E-08
8238	437355.83	3763190.17	4.61E-08	1.45E-07	1.91E-07	7.17E-09	2.37E-08	3.09E-08	3.86E-09	1.10E-08	1.49E-08
8239	437347.17	3763186.6	4.65E-08	1.47E-07	1.93E-07	7.23E-09	2.39E-08	3.12E-08	3.90E-09	1.11E-08	1.50E-08
8240	437338.51	3763183.03	4.7E-08	1.48E-07	1.95E-07	7.30E-09	2.42E-08	3.15E-08	3.93E-09	1.12E-08	1.51E-08
8241	437329.85	3763179.46	4.74E-08	1.49E-07	1.97E-07	7.36E-09	2.44E-08	3.17E-08	3.97E-09	1.13E-08	1.53E-08
8242	437321.19	3763175.89	4.78E-08	1.51E-07	1.98E-07	7.43E-09	2.46E-08	3.20E-08	4.00E-09	1.14E-08	1.54E-08
8243	437312.53	3763172.31	4.83E-08	1.52E-07	2.00E-07	7.50E-09	2.48E-08	3.23E-08	4.04E-09	1.15E-08	1.56E-08
8244	437303.87	3763168.74	4.87E-08	1.53E-07	2.02E-07	7.57E-09	2.51E-08	3.26E-08	4.08E-09	1.16E-08	1.57E-08
8245	437295.21	3763165.17	4.91E-08	1.55E-07	2.04E-07	7.63E-09	2.53E-08	3.29E-08	4.11E-09	1.17E-08	1.58E-08
8246	437286.55	3763161.6	4.96E-08	1.56E-07	2.06E-07	7.70E-09	2.55E-08	3.32E-08	4.15E-09	1.18E-08	1.60E-08
8247	437277.9	3763158.03	5E-08	1.58E-07	2.08E-07	7.77E-09	2.57E-08	3.35E-08	4.19E-09	1.19E-08	1.61E-08
8248	437269.24	3763154.46	5.05E-08	1.59E-07	2.09E-07	7.84E-09	2.60E-08	3.38E-08	4.22E-09	1.20E-08	1.63E-08
8249	437260.58	3763150.89	5.09E-08	1.60E-07	2.11E-07	7.91E-09	2.62E-08	3.41E-08	4.26E-09	1.21E-08	1.64E-08
8250	437251.92	3763147.32	5.12E-08	1.61E-07	2.12E-07	7.96E-09	2.63E-08	3.43E-08	4.29E-09	1.22E-08	1.65E-08
8251	437243.26	3763143.75	5.14E-08	1.62E-07	2.13E-07	7.99E-09	2.65E-08	3.45E-08	4.31E-09	1.23E-08	1.66E-08
8252	437234.6	3763140.18	5.17E-08	1.63E-07	2.14E-07	8.03E-09	2.66E-08	3.46E-08	4.32E-09	1.23E-08	1.67E-08
8253	437225.94	3763136.61	5.2E-08	1.64E-07	2.16E-07	8.08E-09	2.68E-08	3.48E-08	4.35E-09	1.24E-08	1.68E-08
8254	437217.28	3763133.04	5.24E-08	1.65E-07	2.17E-07	8.14E-09	2.69E-08	3.51E-08	4.38E-09	1.25E-08	1.69E-08
8255	437208.63	3763129.46	5.29E-08	1.67E-07	2.19E-07	8.22E-09	2.72E-08	3.54E-08	4.43E-09	1.26E-08	1.70E-08
8256	437199.97	3763125.89	5.34E-08	1.68E-07	2.21E-07	8.29E-09	2.75E-08	3.58E-08	4.47E-09	1.27E-08	1.72E-08
8257	437191.31	3763122.32	5.36E-08	1.69E-07	2.22E-07	8.33E-09	2.76E-08	3.59E-08	4.49E-09	1.28E-08	1.73E-08
8258	437182.65	3763118.75	5.38E-08	1.70E-07	2.23E-07	8.36E-09	2.77E-08	3.61E-08	4.51E-09	1.28E-08	1.74E-08
8259	437139.36	3763100.9	5.41E-08	1.70E-07	2.24E-07	8.41E-09	2.78E-08	3.62E-08	4.53E-09	1.29E-08	1.74E-08
8260	437127.11	3763088.68	5.58E-08	1.76E-07	2.32E-07	8.68E-09	2.87E-08	3.74E-08	4.67E-09	1.33E-08	1.80E-08
8261	437123.52	3763080.02	5.77E-08	1.82E-07	2.39E-07	8.96E-09	2.97E-08	3.86E-08	4.83E-09	1.38E-08	1.86E-08
8262	437119.93	3763071.37	5.96E-08	1.88E-07	2.47E-07	9.25E-09	3.06E-08	3.99E-08	4.98E-09	1.42E-08	1.92E-08
8263	437116.34	3763062.72	6.14E-08	1.93E-07	2.55E-07	9.55E-09	3.16E-08	4.12E-08	5.14E-09	1.47E-08	1.98E-08
8264	437112.75	3763054.07	6.33E-08	1.99E-07	2.63E-07	9.84E-09	3.26E-08	4.24E-08	5.30E-09	1.51E-08	2.04E-08
8265	437109.16	3763045.42	6.52E-08	2.05E-07	2.71E-07	1.01E-08	3.36E-08	4.37E-08	5.46E-09	1.56E-08	2.10E-08
8266	437105.58	3763036.77	6.71E-08	2.11E-07	2.78E-07	1.04E-08	3.45E-08	4.49E-08	5.62E-09	1.60E-08	2.16E-08
8267	437101.99	3763028.12	6.89E-08	2.17E-07	2.86E-07	1.07E-08	3.55E-08	4.62E-08	5.77E-09	1.65E-08	2.22E-08
8268	437098.4	3763019.46	7.08E-08	2.23E-07	2.94E-07	1.10E-08	3.64E-08	4.74E-08	5.92E-09	1.69E-08	2.28E-08
8269	437094.81	3763010.81	7.25E-08	2.28E-07	3.01E-07	1.13E-08	3.73E-08	4.86E-08	6.07E-09	1.73E-08	2.34E-08
8270	437091.22	3763002.16	7.42E-08	2.34E-07	3.08E-07	1.15E-08	3.82E-08	4.97E-08	6.21E-09	1.77E-08	2.39E-08
8271	437087.63	3762993.51	7.58E-08	2.39E-07	3.15E-07	1.18E-08	3.90E-08	5.08E-08	6.35E-09	1.81E-08	2.44E-08
8272	437084.04	3762984.86	7.74E-08	2.44E-07	3.21E-07	1.20E-08	3.98E-08	5.18E-08	6.48E-09	1.85E-08	2.49E-08
8273	437080.45	3762976.21	7.89E-08	2.48E-07	3.27E-07	1.23E-08	4.06E-08	5.28E-08	6.60E-09	1.88E-08	2.54E-08
8274	437076.87	3762967.56	8.02E-08	2.53E-07	3.33E-07	1.25E-08	4.13E-08	5.37E-08	6.71E-09	1.91E-08	2.59E-08
8275	437073.28	3762958.91	8.15E-08	2.57E-07	3.38E-07	1.27E-08	4.19E-08	5.46E-08	6.82E-09	1.94E-08	2.63E-08
8276	437069.69	3762950.25	8.26E-08	2.60E-07	3.43E-07	1.28E-08	4.25E-08	5.53E-08	6.91E-09	1.97E-08	2.66E-08
8277	437066.1	3762941.6	8.35E-08	2.63E-07	3.46E-07	1.30E-08	4.30E-08	5.59E-08	6.99E-09	1.99E-08	2.69E-08
8278	437062.51	3762932.95	8.43E-08	2.66E-07	3.50E-07	1.31E-08	4.34E-08	5.65E-08	7.06E-09	2.01E-08	2.72E-08
8279	437058.92	3762924.3	8.51E-08	2.68E-07	3.53E-07	1.32E-08	4.38E-08	5.70E-08	7.12E-09	2.03E-08	2.74E-08
8280	437055.33	3762915.65	8.57E-08	2.70E-07	3.56E-07	1.33E-08	4.41E-08	5.74E-08	7.17E-09	2.05E-08	2.76E-08
8281	437364.48	3763193.74	4.57E-08	1.44E-07	1.90E-07	7.11E-09	2.35E-08	3.06E-08	3.83E-09	1.09E-08	1.47E-08
8282	437374.13	3763193.72	4.63E-08	1.46E-07	1.92E-07	7.20E-09	2.38E-08	3.10E-08	3.88E-09	1.11E-08	1.49E-08
8283	437383.78	3763193.7	4.69E-08	1.48E-07	1.95E-07	7.29E-09	2.41E-08	3.14E-08	3.93E-09	1.12E-08	1.51E-08
8284	437422.39	3763193.62	4.94E-08	1.56E-07	2.05E-07	7.68E-09	2.54E-08	3.31E-08	4.14E-09	1.18E-08	1.59E-08
8285	437432.04	3763193.6	5.03E-08	1.58E-07	2.09E-07	7.82E-09	2.59E-08	3.37E-08	4.21E-09	1.20E-08	1.62E-08
8286	437441.69	3763193.58	5.11E-08	1.61E-07	2.12E-07	7.94E-09	2.63E-08	3.42E-08	4.28E-09	1.22E-08	1.65E-08
8287	437451.34	3763193.56	5.19E-08	1.63E-07	2.15E-07	8.06E-09	2.67E-08	3.47E-08	4.34E-09	1.24E-08	1.67E-08
8288	437460.99	3763193.54	5.27E-08	1.66E-07	2.19E-07	8.18E-09	2.71E-08	3.53E-08	4.41E-09	1.26E-08	1.70E-08
8289	437470.64	3763193.52	5.35E-08	1.68E-07	2.22E-07	8.31E-09	2.75E-08	3.58E-08	4.48E-09	1.28E-08	1.72E-08
8290	437509.24	3763193.44	5.71E-08	1.80E-07	2.37E-07	8.87E-09	2.94E-08	3.82E-08	4.78E-09	1.36E-08	1.84E-08
8291	437518.89	3763193.42	5.78E-08	1.82E-07	2.40E-07	8.98E-09	2.97E-08	3.87E-08	4.84E-09	1.38E-08	1.86E-08
8292	437528.54	3763193.4	5.84E-08	1.84E-07	2.42E-07	9.08E-09	3.01E-08	3.91E-08	4.89E-09	1.39E-08	1.88E-08

8293	437538.19	3763193.38	5.91E-08	1.86E-07	2.45E-07	9.19E-09	3.04E-08	3.96E-08	4.95E-09	1.41E-08	1.91E-08
8294	437547.84	3763193.36	5.99E-08	1.89E-07	2.48E-07	9.30E-09	3.08E-08	4.01E-08	5.01E-09	1.43E-08	1.93E-08
8295	437355.75	3763220.11	3.94E-08	1.24E-07	1.63E-07	6.12E-09	2.03E-08	2.64E-08	3.30E-09	9.40E-09	1.27E-08
8296	437346.96	3763216.49	3.97E-08	1.25E-07	1.65E-07	6.17E-09	2.04E-08	2.66E-08	3.32E-09	9.47E-09	1.28E-08
8297	437338.16	3763212.86	4E-08	1.26E-07	1.66E-07	6.22E-09	2.06E-08	2.68E-08	3.35E-09	9.55E-09	1.29E-08
8298	437329.37	3763209.23	4.04E-08	1.27E-07	1.68E-07	6.27E-09	2.08E-08	2.70E-08	3.38E-09	9.63E-09	1.30E-08
8299	437320.57	3763205.61	4.07E-08	1.28E-07	1.69E-07	6.33E-09	2.10E-08	2.73E-08	3.41E-09	9.72E-09	1.31E-08
8300	437311.78	3763201.98	4.11E-08	1.29E-07	1.70E-07	6.38E-09	2.11E-08	2.75E-08	3.44E-09	9.80E-09	1.32E-08
8301	437302.98	3763198.35	4.14E-08	1.31E-07	1.72E-07	6.44E-09	2.13E-08	2.78E-08	3.47E-09	9.89E-09	1.34E-08
8302	437294.19	3763194.72	4.18E-08	1.32E-07	1.73E-07	6.50E-09	2.15E-08	2.80E-08	3.50E-09	9.98E-09	1.35E-08
8303	437285.4	3763191.1	4.22E-08	1.33E-07	1.75E-07	6.55E-09	2.17E-08	2.82E-08	3.53E-09	1.01E-08	1.36E-08
8304	437276.6	3763187.47	4.26E-08	1.34E-07	1.77E-07	6.61E-09	2.19E-08	2.85E-08	3.56E-09	1.02E-08	1.37E-08
8305	437267.81	3763183.84	4.29E-08	1.35E-07	1.78E-07	6.67E-09	2.21E-08	2.88E-08	3.59E-09	1.02E-08	1.38E-08
8306	437259.01	3763180.22	4.33E-08	1.36E-07	1.80E-07	6.73E-09	2.23E-08	2.90E-08	3.63E-09	1.03E-08	1.40E-08
8307	437250.22	3763176.59	4.37E-08	1.38E-07	1.81E-07	6.79E-09	2.25E-08	2.93E-08	3.66E-09	1.04E-08	1.41E-08
8308	437241.42	3763172.96	4.39E-08	1.38E-07	1.82E-07	6.82E-09	2.26E-08	2.94E-08	3.67E-09	1.05E-08	1.41E-08
8309	437232.63	3763169.34	4.4E-08	1.39E-07	1.83E-07	6.84E-09	2.26E-08	2.95E-08	3.68E-09	1.05E-08	1.42E-08
8310	437223.83	3763165.71	4.42E-08	1.39E-07	1.84E-07	6.87E-09	2.28E-08	2.96E-08	3.70E-09	1.06E-08	1.43E-08
8311	437215.04	3763162.08	4.45E-08	1.40E-07	1.84E-07	6.91E-09	2.29E-08	2.98E-08	3.72E-09	1.06E-08	1.43E-08
8312	437206.25	3763158.46	4.47E-08	1.41E-07	1.85E-07	6.94E-09	2.30E-08	2.99E-08	3.74E-09	1.07E-08	1.44E-08
8313	437197.45	3763154.83	4.49E-08	1.42E-07	1.86E-07	6.98E-09	2.31E-08	3.01E-08	3.76E-09	1.07E-08	1.45E-08
8314	437188.66	3763151.2	4.52E-08	1.42E-07	1.88E-07	7.02E-09	2.33E-08	3.03E-08	3.78E-09	1.08E-08	1.46E-08
8315	437144.68	3763133.07	4.67E-08	1.47E-07	1.94E-07	7.26E-09	2.40E-08	3.13E-08	3.91E-09	1.12E-08	1.51E-08
8316	437135.89	3763129.44	4.68E-08	1.47E-07	1.94E-07	7.27E-09	2.41E-08	3.14E-08	3.92E-09	1.12E-08	1.51E-08
8317	437127.09	3763125.82	4.68E-08	1.47E-07	1.94E-07	7.28E-09	2.41E-08	3.14E-08	3.92E-09	1.12E-08	1.51E-08
8318	437118.3	3763122.19	4.68E-08	1.47E-07	1.94E-07	7.27E-09	2.41E-08	3.14E-08	3.92E-09	1.12E-08	1.51E-08
8319	437105.86	3763109.78	4.83E-08	1.52E-07	2.00E-07	7.50E-09	2.48E-08	3.23E-08	4.04E-09	1.15E-08	1.56E-08
8320	437102.22	3763100.99	4.98E-08	1.57E-07	2.07E-07	7.74E-09	2.56E-08	3.34E-08	4.17E-09	1.19E-08	1.61E-08
8321	437098.57	3763092.2	5.14E-08	1.62E-07	2.13E-07	7.98E-09	2.64E-08	3.44E-08	4.30E-09	1.23E-08	1.66E-08
8322	437094.93	3763083.41	5.29E-08	1.67E-07	2.20E-07	8.22E-09	2.72E-08	3.54E-08	4.43E-09	1.26E-08	1.71E-08
8323	437091.28	3763074.63	5.45E-08	1.72E-07	2.26E-07	8.47E-09	2.80E-08	3.65E-08	4.56E-09	1.30E-08	1.76E-08
8324	437087.64	3763065.84	5.61E-08	1.77E-07	2.33E-07	8.71E-09	2.88E-08	3.75E-08	4.69E-09	1.34E-08	1.81E-08
8325	437083.99	3763057.05	5.76E-08	1.81E-07	2.39E-07	8.95E-09	2.96E-08	3.86E-08	4.82E-09	1.37E-08	1.86E-08
8326	437080.35	3763048.27	5.92E-08	1.86E-07	2.45E-07	9.19E-09	3.04E-08	3.96E-08	4.95E-09	1.41E-08	1.91E-08
8327	437076.7	3763039.48	6.07E-08	1.91E-07	2.52E-07	9.43E-09	3.12E-08	4.06E-08	5.08E-09	1.45E-08	1.96E-08
8328	437073.06	3763030.69	6.22E-08	1.96E-07	2.58E-07	9.66E-09	3.20E-08	4.16E-08	5.20E-09	1.48E-08	2.00E-08
8329	437069.41	3763021.91	6.36E-08	2.00E-07	2.64E-07	9.88E-09	3.27E-08	4.26E-08	5.32E-09	1.52E-08	2.05E-08
8330	437065.77	3763013.12	6.5E-08	2.05E-07	2.70E-07	1.01E-08	3.35E-08	4.36E-08	5.44E-09	1.55E-08	2.10E-08
8331	437062.12	3763004.33	6.64E-08	2.09E-07	2.75E-07	1.03E-08	3.41E-08	4.45E-08	5.56E-09	1.58E-08	2.14E-08
8332	437058.48	3762995.54	6.76E-08	2.13E-07	2.81E-07	1.05E-08	3.48E-08	4.53E-08	5.66E-09	1.61E-08	2.18E-08
8333	437054.83	3762986.76	6.88E-08	2.17E-07	2.86E-07	1.07E-08	3.54E-08	4.61E-08	5.76E-09	1.64E-08	2.22E-08
8334	437051.19	3762977.97	7E-08	2.20E-07	2.90E-07	1.09E-08	3.60E-08	4.69E-08	5.86E-09	1.67E-08	2.26E-08
8335	437047.54	3762969.18	7.1E-08	2.24E-07	2.94E-07	1.10E-08	3.65E-08	4.75E-08	5.94E-09	1.69E-08	2.29E-08
8336	437043.9	3762960.4	7.19E-08	2.26E-07	2.98E-07	1.12E-08	3.70E-08	4.82E-08	6.02E-09	1.72E-08	2.32E-08
8337	437040.25	3762951.61	7.27E-08	2.29E-07	3.02E-07	1.13E-08	3.74E-08	4.87E-08	6.09E-09	1.73E-08	2.34E-08
8338	437036.61	3762942.82	7.34E-08	2.31E-07	3.05E-07	1.14E-08	3.78E-08	4.92E-08	6.15E-09	1.75E-08	2.37E-08
8339	437032.96	3762934.04	7.41E-08	2.33E-07	3.07E-07	1.15E-08	3.81E-08	4.96E-08	6.20E-09	1.77E-08	2.39E-08
8340	437029.32	3762925.25	7.46E-08	2.35E-07	3.09E-07	1.16E-08	3.84E-08	5.00E-08	6.24E-09	1.78E-08	2.40E-08
8341	437025.67	3762916.46	7.5E-08	2.36E-07	3.11E-07	1.16E-08	3.86E-08	5.02E-08	6.28E-09	1.79E-08	2.42E-08
8342	437364.55	3763223.74	3.91E-08	1.23E-07	1.62E-07	6.07E-09	2.01E-08	2.62E-08	3.27E-09	9.32E-09	1.26E-08
8343	437374.2	3763223.72	3.95E-08	1.25E-07	1.64E-07	6.14E-09	2.03E-08	2.65E-08	3.31E-09	9.43E-09	1.27E-08
8344	437383.85	3763223.7	3.99E-08	1.26E-07	1.66E-07	6.21E-09	2.05E-08	2.68E-08	3.34E-09	9.53E-09	1.29E-08
8345	437422.45	3763223.62	4.14E-08	1.30E-07	1.72E-07	6.43E-09	2.13E-08	2.77E-08	3.46E-09	9.87E-09	1.33E-08
8346	437432.1	3763223.6	4.19E-08	1.32E-07	1.74E-07	6.51E-09	2.16E-08	2.81E-08	3.51E-09	1.00E-08	1.35E-08
8347	437441.75	3763223.58	4.26E-08	1.34E-07	1.77E-07	6.62E-09	2.19E-08	2.85E-08	3.56E-09	1.02E-08	1.37E-08
8348	437451.4	3763223.56	4.33E-08	1.36E-07	1.80E-07	6.73E-09	2.23E-08	2.90E-08	3.62E-09	1.03E-08	1.40E-08
8349	437461.05	3763223.54	4.4E-08	1.39E-07	1.83E-07	6.84E-09	2.26E-08	2.95E-08	3.68E-09	1.05E-08	1.42E-08
8350	437499.65	3763223.46	4.69E-08	1.48E-07	1.95E-07	7.29E-09	2.41E-08	3.14E-08	3.92E-09	1.12E-08	1.51E-08
8351	437509.3	3763223.44	4.77E-08	1.50E-07	1.98E-07	7.41E-09	2.45E-08	3.20E-08	3.99E-09	1.14E-08	1.54E-08
8352	437518.95	3763223.42	4.86E-08	1.53E-07	2.02E-07	7.55E-09	2.50E-08	3.25E-08	4.07E-09	1.16E-08	1.57E-08
8353	437528.61	3763223.4	4.9E-08	1.54E-07	2.03E-07	7.62E-09	2.52E-08	3.28E-08	4.10E-09	1.17E-08	1.58E-08

8354	437538.26	3763223.38	4.95E-08	1.56E-07	2.05E-07	7.69E-09	2.55E-08	3.32E-08	4.14E-09	1.18E-08	1.60E-08
8355	437547.91	3763223.36	5E-08	1.57E-07	2.07E-07	7.77E-09	2.57E-08	3.35E-08	4.19E-09	1.19E-08	1.61E-08
8356	437355.7	3763250.06	3.4E-08	1.07E-07	1.41E-07	5.28E-09	1.75E-08	2.28E-08	2.85E-09	8.12E-09	1.10E-08
8357	437346.78	3763246.39	3.43E-08	1.08E-07	1.42E-07	5.32E-09	1.76E-08	2.29E-08	2.87E-09	8.18E-09	1.10E-08
8358	437337.87	3763242.71	3.45E-08	1.09E-07	1.43E-07	5.36E-09	1.78E-08	2.31E-08	2.89E-09	8.24E-09	1.11E-08
8359	437328.96	3763239.04	3.48E-08	1.10E-07	1.44E-07	5.41E-09	1.79E-08	2.33E-08	2.91E-09	8.30E-09	1.12E-08
8360	437320.04	3763235.36	3.51E-08	1.11E-07	1.46E-07	5.45E-09	1.81E-08	2.35E-08	2.94E-09	8.37E-09	1.13E-08
8361	437311.13	3763231.69	3.54E-08	1.11E-07	1.47E-07	5.50E-09	1.82E-08	2.37E-08	2.96E-09	8.45E-09	1.14E-08
8362	437302.22	3763228.01	3.57E-08	1.12E-07	1.48E-07	5.55E-09	1.84E-08	2.39E-08	2.99E-09	8.52E-09	1.15E-08
8363	437293.31	3763224.33	3.6E-08	1.13E-07	1.49E-07	5.59E-09	1.85E-08	2.41E-08	3.01E-09	8.59E-09	1.16E-08
8364	437284.39	3763220.66	3.63E-08	1.14E-07	1.51E-07	5.64E-09	1.87E-08	2.43E-08	3.04E-09	8.66E-09	1.17E-08
8365	437275.48	3763216.98	3.66E-08	1.15E-07	1.52E-07	5.69E-09	1.88E-08	2.45E-08	3.06E-09	8.74E-09	1.18E-08
8366	437266.57	3763213.31	3.69E-08	1.16E-07	1.53E-07	5.74E-09	1.90E-08	2.47E-08	3.09E-09	8.81E-09	1.19E-08
8367	437257.66	3763209.63	3.73E-08	1.17E-07	1.55E-07	5.79E-09	1.92E-08	2.50E-08	3.12E-09	8.89E-09	1.20E-08
8368	437248.74	3763205.96	3.76E-08	1.18E-07	1.56E-07	5.84E-09	1.93E-08	2.52E-08	3.15E-09	8.97E-09	1.21E-08
8369	437239.83	3763202.28	3.79E-08	1.19E-07	1.57E-07	5.89E-09	1.95E-08	2.54E-08	3.18E-09	9.05E-09	1.22E-08
8370	437230.92	3763198.61	3.83E-08	1.20E-07	1.59E-07	5.94E-09	1.97E-08	2.56E-08	3.20E-09	9.13E-09	1.23E-08
8371	437222	3763194.93	3.86E-08	1.21E-07	1.60E-07	5.99E-09	1.98E-08	2.58E-08	3.23E-09	9.20E-09	1.24E-08
8372	437213.09	3763191.25	3.88E-08	1.22E-07	1.61E-07	6.04E-09	2.00E-08	2.60E-08	3.25E-09	9.27E-09	1.25E-08
8373	437204.18	3763187.58	3.91E-08	1.23E-07	1.62E-07	6.08E-09	2.01E-08	2.62E-08	3.27E-09	9.33E-09	1.26E-08
8374	437195.27	3763183.9	3.91E-08	1.23E-07	1.62E-07	6.08E-09	2.01E-08	2.62E-08	3.28E-09	9.34E-09	1.26E-08
8375	437186.35	3763180.23	3.92E-08	1.23E-07	1.63E-07	6.09E-09	2.02E-08	2.63E-08	3.28E-09	9.36E-09	1.26E-08
8376	437141.79	3763161.85	4.05E-08	1.27E-07	1.68E-07	6.29E-09	2.08E-08	2.71E-08	3.39E-09	9.66E-09	1.30E-08
8377	437132.88	3763158.17	4.07E-08	1.28E-07	1.69E-07	6.33E-09	2.10E-08	2.73E-08	3.41E-09	9.72E-09	1.31E-08
8378	437123.97	3763154.5	4.08E-08	1.29E-07	1.69E-07	6.34E-09	2.10E-08	2.73E-08	3.42E-09	9.74E-09	1.32E-08
8379	437115.05	3763150.82	4.09E-08	1.29E-07	1.70E-07	6.35E-09	2.10E-08	2.74E-08	3.42E-09	9.76E-09	1.32E-08
8380	437106.14	3763147.15	4.09E-08	1.29E-07	1.70E-07	6.35E-09	2.10E-08	2.74E-08	3.42E-09	9.76E-09	1.32E-08
8381	437097.23	3763143.47	4.08E-08	1.28E-07	1.69E-07	6.34E-09	2.10E-08	2.73E-08	3.41E-09	9.73E-09	1.31E-08
8382	437084.62	3763130.89	4.19E-08	1.32E-07	1.74E-07	6.51E-09	2.15E-08	2.80E-08	3.51E-09	9.99E-09	1.35E-08
8383	437080.93	3763121.99	4.33E-08	1.36E-07	1.79E-07	6.72E-09	2.23E-08	2.90E-08	3.62E-09	1.03E-08	1.39E-08
8384	437077.23	3763113.08	4.47E-08	1.41E-07	1.85E-07	6.94E-09	2.30E-08	2.99E-08	3.74E-09	1.07E-08	1.44E-08
8385	437073.54	3763104.18	4.6E-08	1.45E-07	1.91E-07	7.15E-09	2.37E-08	3.08E-08	3.85E-09	1.10E-08	1.48E-08
8386	437069.84	3763095.27	4.73E-08	1.49E-07	1.96E-07	7.35E-09	2.43E-08	3.17E-08	3.96E-09	1.13E-08	1.52E-08
8387	437066.15	3763086.37	4.87E-08	1.53E-07	2.02E-07	7.56E-09	2.50E-08	3.26E-08	4.07E-09	1.16E-08	1.57E-08
8388	437062.46	3763077.46	5E-08	1.58E-07	2.08E-07	7.77E-09	2.57E-08	3.35E-08	4.19E-09	1.19E-08	1.61E-08
8389	437058.76	3763068.56	5.13E-08	1.62E-07	2.13E-07	7.97E-09	2.64E-08	3.44E-08	4.30E-09	1.22E-08	1.65E-08
8390	437055.07	3763059.65	5.26E-08	1.66E-07	2.18E-07	8.17E-09	2.71E-08	3.52E-08	4.40E-09	1.25E-08	1.69E-08
8391	437051.37	3763050.75	5.38E-08	1.69E-07	2.23E-07	8.36E-09	2.77E-08	3.60E-08	4.50E-09	1.28E-08	1.73E-08
8392	437047.68	3763041.84	5.5E-08	1.73E-07	2.28E-07	8.55E-09	2.83E-08	3.69E-08	4.61E-09	1.31E-08	1.77E-08
8393	437043.99	3763032.94	5.62E-08	1.77E-07	2.33E-07	8.74E-09	2.89E-08	3.77E-08	4.71E-09	1.34E-08	1.81E-08
8394	437040.29	3763024.03	5.74E-08	1.81E-07	2.38E-07	8.91E-09	2.95E-08	3.84E-08	4.80E-09	1.37E-08	1.85E-08
8395	437036.6	3763015.13	5.85E-08	1.84E-07	2.43E-07	9.10E-09	3.01E-08	3.92E-08	4.90E-09	1.40E-08	1.89E-08
8396	437032.9	3763006.22	5.96E-08	1.88E-07	2.47E-07	9.27E-09	3.07E-08	4.00E-08	4.99E-09	1.42E-08	1.92E-08
8397	437029.21	3762997.32	6.06E-08	1.91E-07	2.52E-07	9.42E-09	3.12E-08	4.06E-08	5.08E-09	1.45E-08	1.95E-08
8398	437025.52	3762988.41	6.16E-08	1.94E-07	2.55E-07	9.57E-09	3.17E-08	4.12E-08	5.15E-09	1.47E-08	1.98E-08
8399	437021.82	3762979.51	6.24E-08	1.97E-07	2.59E-07	9.70E-09	3.21E-08	4.18E-08	5.23E-09	1.49E-08	2.01E-08
8400	437018.13	3762970.6	6.32E-08	1.99E-07	2.62E-07	9.82E-09	3.25E-08	4.23E-08	5.29E-09	1.51E-08	2.04E-08
8401	437014.43	3762961.7	6.39E-08	2.01E-07	2.65E-07	9.93E-09	3.29E-08	4.28E-08	5.35E-09	1.52E-08	2.06E-08
8402	437010.74	3762952.79	6.45E-08	2.03E-07	2.68E-07	1.00E-08	3.32E-08	4.32E-08	5.40E-09	1.54E-08	2.08E-08
8403	437007.05	3762943.89	6.5E-08	2.05E-07	2.70E-07	1.01E-08	3.35E-08	4.36E-08	5.44E-09	1.55E-08	2.10E-08
8404	437003.35	3762934.98	6.55E-08	2.06E-07	2.72E-07	1.02E-08	3.37E-08	4.39E-08	5.48E-09	1.56E-08	2.11E-08
8405	436999.66	3762926.08	6.59E-08	2.07E-07	2.73E-07	1.02E-08	3.39E-08	4.41E-08	5.51E-09	1.57E-08	2.12E-08
8406	436995.96	3762917.17	6.61E-08	2.08E-07	2.74E-07	1.03E-08	3.40E-08	4.43E-08	5.54E-09	1.58E-08	2.13E-08
8407	437364.61	3763253.74	3.38E-08	1.06E-07	1.40E-07	5.25E-09	1.74E-08	2.26E-08	2.83E-09	8.06E-09	1.09E-08
8408	437374.26	3763253.72	3.41E-08	1.07E-07	1.41E-07	5.29E-09	1.75E-08	2.28E-08	2.85E-09	8.13E-09	1.10E-08
8409	437383.91	3763253.7	3.43E-08	1.08E-07	1.42E-07	5.33E-09	1.77E-08	2.30E-08	2.87E-09	8.19E-09	1.11E-08
8410	437422.51	3763253.62	3.54E-08	1.11E-07	1.47E-07	5.50E-09	1.82E-08	2.37E-08	2.96E-09	8.44E-09	1.14E-08
8411	437432.16	3763253.6	3.57E-08	1.12E-07	1.48E-07	5.55E-09	1.84E-08	2.39E-08	2.99E-09	8.52E-09	1.15E-08
8412	437441.81	3763253.58	3.63E-08	1.14E-07	1.50E-07	5.63E-09	1.87E-08	2.43E-08	3.03E-09	8.65E-09	1.17E-08
8413	437451.46	3763253.56	3.68E-08	1.16E-07	1.53E-07	5.72E-09	1.89E-08	2.47E-08	3.08E-09	8.79E-09	1.19E-08
8414	437461.11	3763253.54	3.74E-08	1.18E-07	1.55E-07	5.81E-09	1.93E-08	2.51E-08	3.13E-09	8.93E-09	1.21E-08

8415	437470.76	3763253.52	3.79E-08	1.19E-07	1.57E-07	5.89E-09	1.95E-08	2.54E-08	3.17E-09	9.05E-09	1.22E-08
8416	437480.41	3763253.5	3.84E-08	1.21E-07	1.59E-07	5.97E-09	1.98E-08	2.57E-08	3.22E-09	9.17E-09	1.24E-08
8417	437490.07	3763253.48	3.89E-08	1.23E-07	1.62E-07	6.05E-09	2.00E-08	2.61E-08	3.26E-09	9.29E-09	1.26E-08
8418	437499.72	3763253.46	3.95E-08	1.24E-07	1.64E-07	6.14E-09	2.03E-08	2.65E-08	3.31E-09	9.43E-09	1.27E-08
8419	437509.37	3763253.44	4.01E-08	1.26E-07	1.66E-07	6.23E-09	2.06E-08	2.69E-08	3.36E-09	9.57E-09	1.29E-08
8420	437519.02	3763253.42	4.07E-08	1.28E-07	1.69E-07	6.32E-09	2.09E-08	2.73E-08	3.41E-09	9.71E-09	1.31E-08
8421	437528.67	3763253.4	4.12E-08	1.30E-07	1.71E-07	6.41E-09	2.12E-08	2.76E-08	3.45E-09	9.84E-09	1.33E-08
8422	437538.32	3763253.38	4.18E-08	1.32E-07	1.73E-07	6.49E-09	2.15E-08	2.80E-08	3.50E-09	9.97E-09	1.35E-08
8423	437547.97	3763253.36	4.24E-08	1.33E-07	1.76E-07	6.59E-09	2.18E-08	2.84E-08	3.55E-09	1.01E-08	1.37E-08
8424	437355.92	3763280.13	2.92E-08	9.21E-08	1.21E-07	4.54E-09	1.50E-08	1.96E-08	2.45E-09	6.98E-09	9.43E-09
8425	437347.17	3763276.52	2.95E-08	9.29E-08	1.22E-07	4.58E-09	1.52E-08	1.98E-08	2.47E-09	7.04E-09	9.51E-09
8426	437338.42	3763272.91	2.98E-08	9.38E-08	1.24E-07	4.63E-09	1.53E-08	1.99E-08	2.49E-09	7.10E-09	9.60E-09
8427	437329.66	3763269.3	3.01E-08	9.49E-08	1.25E-07	4.68E-09	1.55E-08	2.02E-08	2.52E-09	7.19E-09	9.71E-09
8428	437320.91	3763265.69	3.05E-08	9.61E-08	1.27E-07	4.74E-09	1.57E-08	2.04E-08	2.55E-09	7.28E-09	9.84E-09
8429	437312.16	3763262.08	3.07E-08	9.68E-08	1.28E-07	4.78E-09	1.58E-08	2.06E-08	2.57E-09	7.34E-09	9.91E-09
8430	437303.41	3763258.48	3.1E-08	9.76E-08	1.29E-07	4.81E-09	1.59E-08	2.08E-08	2.59E-09	7.39E-09	9.99E-09
8431	437294.66	3763254.87	3.12E-08	9.83E-08	1.30E-07	4.85E-09	1.61E-08	2.09E-08	2.61E-09	7.45E-09	1.01E-08
8432	437285.91	3763251.26	3.15E-08	9.91E-08	1.31E-07	4.89E-09	1.62E-08	2.11E-08	2.63E-09	7.51E-09	1.01E-08
8433	437277.16	3763247.65	3.17E-08	9.99E-08	1.32E-07	4.93E-09	1.63E-08	2.13E-08	2.66E-09	7.57E-09	1.02E-08
8434	437268.41	3763244.04	3.2E-08	1.01E-07	1.33E-07	4.97E-09	1.65E-08	2.14E-08	2.68E-09	7.64E-09	1.03E-08
8435	437259.65	3763240.43	3.23E-08	1.02E-07	1.34E-07	5.02E-09	1.66E-08	2.16E-08	2.70E-09	7.70E-09	1.04E-08
8436	437250.9	3763236.82	3.26E-08	1.03E-07	1.35E-07	5.06E-09	1.68E-08	2.18E-08	2.73E-09	7.77E-09	1.05E-08
8437	437242.15	3763233.21	3.29E-08	1.03E-07	1.36E-07	5.11E-09	1.69E-08	2.20E-08	2.75E-09	7.84E-09	1.06E-08
8438	437233.4	3763229.6	3.31E-08	1.04E-07	1.38E-07	5.15E-09	1.71E-08	2.22E-08	2.77E-09	7.91E-09	1.07E-08
8439	437224.65	3763225.99	3.34E-08	1.05E-07	1.39E-07	5.19E-09	1.72E-08	2.24E-08	2.80E-09	7.98E-09	1.08E-08
8440	437215.9	3763222.39	3.37E-08	1.06E-07	1.40E-07	5.23E-09	1.73E-08	2.26E-08	2.82E-09	8.04E-09	1.09E-08
8441	437207.15	3763218.78	3.39E-08	1.07E-07	1.41E-07	5.27E-09	1.75E-08	2.27E-08	2.84E-09	8.10E-09	1.09E-08
8442	437198.39	3763215.17	3.42E-08	1.08E-07	1.42E-07	5.31E-09	1.76E-08	2.29E-08	2.86E-09	8.16E-09	1.10E-08
8443	437189.64	3763211.56	3.44E-08	1.08E-07	1.43E-07	5.35E-09	1.77E-08	2.31E-08	2.88E-09	8.21E-09	1.11E-08
8444	437180.89	3763207.95	3.46E-08	1.09E-07	1.44E-07	5.38E-09	1.78E-08	2.32E-08	2.90E-09	8.26E-09	1.12E-08
8445	437145.89	3763193.51	3.54E-08	1.12E-07	1.47E-07	5.50E-09	1.82E-08	2.37E-08	2.96E-09	8.45E-09	1.14E-08
8446	437137.13	3763189.9	3.56E-08	1.12E-07	1.48E-07	5.53E-09	1.83E-08	2.38E-08	2.98E-09	8.49E-09	1.15E-08
8447	437128.38	3763186.3	3.57E-08	1.12E-07	1.48E-07	5.55E-09	1.84E-08	2.39E-08	2.99E-09	8.52E-09	1.15E-08
8448	437119.63	3763182.69	3.58E-08	1.13E-07	1.49E-07	5.57E-09	1.84E-08	2.40E-08	3.00E-09	8.55E-09	1.15E-08
8449	437110.88	3763179.08	3.59E-08	1.13E-07	1.49E-07	5.58E-09	1.85E-08	2.40E-08	3.00E-09	8.56E-09	1.16E-08
8450	437102.13	3763175.47	3.59E-08	1.13E-07	1.49E-07	5.58E-09	1.85E-08	2.41E-08	3.01E-09	8.57E-09	1.16E-08
8451	437093.38	3763171.86	3.59E-08	1.13E-07	1.49E-07	5.58E-09	1.85E-08	2.41E-08	3.01E-09	8.57E-09	1.16E-08
8452	437084.63	3763168.25	3.59E-08	1.13E-07	1.49E-07	5.57E-09	1.85E-08	2.40E-08	3.00E-09	8.56E-09	1.16E-08
8453	437075.87	3763164.64	3.58E-08	1.13E-07	1.48E-07	5.56E-09	1.84E-08	2.40E-08	2.99E-09	8.54E-09	1.15E-08
8454	437063.5	3763152.29	3.67E-08	1.16E-07	1.52E-07	5.70E-09	1.89E-08	2.46E-08	3.07E-09	8.76E-09	1.18E-08
8455	437059.87	3763143.54	3.78E-08	1.19E-07	1.57E-07	5.87E-09	1.94E-08	2.53E-08	3.16E-09	9.01E-09	1.22E-08
8456	437056.24	3763134.8	3.9E-08	1.23E-07	1.62E-07	6.05E-09	2.00E-08	2.61E-08	3.26E-09	9.30E-09	1.26E-08
8457	437052.61	3763126.06	4.02E-08	1.27E-07	1.67E-07	6.25E-09	2.07E-08	2.69E-08	3.37E-09	9.60E-09	1.30E-08
8458	437048.99	3763117.31	4.14E-08	1.31E-07	1.72E-07	6.44E-09	2.13E-08	2.78E-08	3.47E-09	9.89E-09	1.34E-08
8459	437045.36	3763108.57	4.25E-08	1.34E-07	1.76E-07	6.61E-09	2.19E-08	2.85E-08	3.56E-09	1.02E-08	1.37E-08
8460	437041.73	3763099.83	4.36E-08	1.37E-07	1.81E-07	6.78E-09	2.24E-08	2.92E-08	3.65E-09	1.04E-08	1.41E-08
8461	437038.11	3763091.08	4.47E-08	1.41E-07	1.86E-07	6.95E-09	2.30E-08	3.00E-08	3.74E-09	1.07E-08	1.44E-08
8462	437034.48	3763082.34	4.58E-08	1.44E-07	1.90E-07	7.11E-09	2.36E-08	3.07E-08	3.83E-09	1.09E-08	1.48E-08
8463	437030.85	3763073.59	4.68E-08	1.48E-07	1.94E-07	7.28E-09	2.41E-08	3.14E-08	3.92E-09	1.12E-08	1.51E-08
8464	437027.22	3763064.85	4.79E-08	1.51E-07	1.99E-07	7.44E-09	2.46E-08	3.21E-08	4.01E-09	1.14E-08	1.54E-08
8465	437023.6	3763056.11	4.89E-08	1.54E-07	2.03E-07	7.60E-09	2.52E-08	3.27E-08	4.09E-09	1.17E-08	1.58E-08
8466	437019.97	3763047.36	4.99E-08	1.57E-07	2.07E-07	7.75E-09	2.57E-08	3.34E-08	4.17E-09	1.19E-08	1.61E-08
8467	437016.34	3763038.62	5.08E-08	1.60E-07	2.11E-07	7.90E-09	2.62E-08	3.40E-08	4.25E-09	1.21E-08	1.64E-08
8468	437012.72	3763029.87	5.17E-08	1.63E-07	2.15E-07	8.04E-09	2.66E-08	3.47E-08	4.33E-09	1.23E-08	1.67E-08
8469	437009.09	3763021.13	5.25E-08	1.65E-07	2.18E-07	8.16E-09	2.70E-08	3.52E-08	4.40E-09	1.25E-08	1.69E-08
8470	437005.46	3763012.39	5.34E-08	1.68E-07	2.22E-07	8.30E-09	2.75E-08	3.58E-08	4.47E-09	1.28E-08	1.72E-08
8471	437001.83	3763003.64	5.42E-08	1.71E-07	2.25E-07	8.43E-09	2.79E-08	3.63E-08	4.54E-09	1.29E-08	1.75E-08
8472	436998.21	3762994.9	5.5E-08	1.73E-07	2.28E-07	8.54E-09	2.83E-08	3.68E-08	4.60E-09	1.31E-08	1.77E-08
8473	436994.58	3762986.15	5.56E-08	1.75E-07	2.31E-07	8.65E-09	2.86E-08	3.73E-08	4.66E-09	1.33E-08	1.79E-08
8474	436990.95	3762977.41	5.63E-08	1.77E-07	2.33E-07	8.74E-09	2.89E-08	3.77E-08	4.71E-09	1.34E-08	1.81E-08
8475	436987.33	3762968.67	5.68E-08	1.79E-07	2.36E-07	8.83E-09	2.92E-08	3.81E-08	4.76E-09	1.36E-08	1.83E-08

8476	436983.7	3762959.92	5.73E-08	1.81E-07	2.38E-07	8.91E-09	2.95E-08	3.84E-08	4.80E-09	1.37E-08	1.85E-08
8477	436980.07	3762951.18	5.77E-08	1.82E-07	2.40E-07	8.97E-09	2.97E-08	3.87E-08	4.83E-09	1.38E-08	1.86E-08
8478	436976.44	3762942.44	5.81E-08	1.83E-07	2.41E-07	9.03E-09	2.99E-08	3.89E-08	4.86E-09	1.39E-08	1.87E-08
8479	436972.82	3762933.69	5.84E-08	1.84E-07	2.42E-07	9.07E-09	3.00E-08	3.91E-08	4.89E-09	1.39E-08	1.88E-08
8480	436969.19	3762924.95	5.86E-08	1.85E-07	2.43E-07	9.10E-09	3.01E-08	3.92E-08	4.90E-09	1.40E-08	1.89E-08
8481	436965.56	3762916.2	5.87E-08	1.85E-07	2.44E-07	9.13E-09	3.02E-08	3.93E-08	4.92E-09	1.40E-08	1.89E-08
8482	436961.94	3762907.46	5.88E-08	1.85E-07	2.44E-07	9.14E-09	3.03E-08	3.94E-08	4.92E-09	1.40E-08	1.90E-08
8483	436958.31	3762898.72	5.88E-08	1.85E-07	2.44E-07	9.14E-09	3.03E-08	3.94E-08	4.93E-09	1.40E-08	1.90E-08
8484	437364.67	3763283.74	2.9E-08	9.14E-08	1.20E-07	4.51E-09	1.49E-08	1.94E-08	2.43E-09	6.92E-09	9.35E-09
8485	437374.32	3763283.72	2.93E-08	9.23E-08	1.22E-07	4.55E-09	1.51E-08	1.96E-08	2.45E-09	6.99E-09	9.45E-09
8486	437383.97	3763283.7	2.96E-08	9.33E-08	1.23E-07	4.60E-09	1.52E-08	1.98E-08	2.48E-09	7.07E-09	9.55E-09
8487	437393.62	3763283.68	2.99E-08	9.43E-08	1.24E-07	4.65E-09	1.54E-08	2.01E-08	2.51E-09	7.14E-09	9.65E-09
8488	437403.27	3763283.66	3.02E-08	9.52E-08	1.25E-07	4.70E-09	1.56E-08	2.03E-08	2.53E-09	7.21E-09	9.74E-09
8489	437412.92	3763283.64	3.05E-08	9.60E-08	1.26E-07	4.74E-09	1.57E-08	2.04E-08	2.55E-09	7.27E-09	9.83E-09
8490	437422.57	3763283.62	3.07E-08	9.68E-08	1.28E-07	4.78E-09	1.58E-08	2.06E-08	2.57E-09	7.34E-09	9.91E-09
8491	437432.22	3763283.6	3.11E-08	9.78E-08	1.29E-07	4.83E-09	1.60E-08	2.08E-08	2.60E-09	7.41E-09	1.00E-08
8492	437441.87	3763283.58	3.15E-08	9.92E-08	1.31E-07	4.90E-09	1.62E-08	2.11E-08	2.64E-09	7.52E-09	1.02E-08
8493	437451.53	3763283.56	3.2E-08	1.01E-07	1.33E-07	4.97E-09	1.65E-08	2.14E-08	2.68E-09	7.63E-09	1.03E-08
8494	437461.18	3763283.54	3.25E-08	1.02E-07	1.35E-07	5.04E-09	1.67E-08	2.17E-08	2.72E-09	7.74E-09	1.05E-08
8495	437470.83	3763283.52	3.28E-08	1.03E-07	1.36E-07	5.10E-09	1.69E-08	2.20E-08	2.75E-09	7.84E-09	1.06E-08
8496	437480.48	3763283.5	3.33E-08	1.05E-07	1.38E-07	5.17E-09	1.71E-08	2.23E-08	2.78E-09	7.94E-09	1.07E-08
8497	437490.13	3763283.48	3.37E-08	1.06E-07	1.40E-07	5.23E-09	1.73E-08	2.26E-08	2.82E-09	8.04E-09	1.09E-08
8498	437499.78	3763283.46	3.4E-08	1.07E-07	1.41E-07	5.29E-09	1.75E-08	2.28E-08	2.85E-09	8.12E-09	1.10E-08
8499	437509.43	3763283.44	3.44E-08	1.08E-07	1.43E-07	5.34E-09	1.77E-08	2.30E-08	2.88E-09	8.21E-09	1.11E-08
8500	437519.08	3763283.42	3.48E-08	1.10E-07	1.44E-07	5.40E-09	1.79E-08	2.33E-08	2.91E-09	8.30E-09	1.12E-08
8501	437528.73	3763283.4	3.52E-08	1.11E-07	1.46E-07	5.47E-09	1.81E-08	2.36E-08	2.95E-09	8.41E-09	1.14E-08
8502	437538.38	3763283.38	3.57E-08	1.12E-07	1.48E-07	5.55E-09	1.84E-08	2.39E-08	2.99E-09	8.52E-09	1.15E-08
8503	437548.03	3763283.36	3.62E-08	1.14E-07	1.50E-07	5.63E-09	1.86E-08	2.43E-08	3.03E-09	8.64E-09	1.17E-08
8504	437355.88	3763310.09	2.56E-08	8.05E-08	1.06E-07	3.97E-09	1.31E-08	1.71E-08	2.14E-09	6.10E-09	8.24E-09
8505	437347.02	3763306.44	2.57E-08	8.10E-08	1.07E-07	4.00E-09	1.32E-08	1.72E-08	2.15E-09	6.14E-09	8.29E-09
8506	437338.17	3763302.78	2.59E-08	8.16E-08	1.08E-07	4.03E-09	1.33E-08	1.74E-08	2.17E-09	6.18E-09	8.35E-09
8507	437329.31	3763299.13	2.62E-08	8.24E-08	1.09E-07	4.06E-09	1.35E-08	1.75E-08	2.19E-09	6.24E-09	8.43E-09
8508	437320.45	3763295.48	2.64E-08	8.32E-08	1.10E-07	4.11E-09	1.36E-08	1.77E-08	2.21E-09	6.30E-09	8.52E-09
8509	437311.6	3763291.83	2.67E-08	8.41E-08	1.11E-07	4.15E-09	1.37E-08	1.79E-08	2.23E-09	6.37E-09	8.60E-09
8510	437302.74	3763288.18	2.69E-08	8.48E-08	1.12E-07	4.19E-09	1.39E-08	1.80E-08	2.25E-09	6.43E-09	8.68E-09
8511	437293.89	3763284.52	2.72E-08	8.56E-08	1.13E-07	4.22E-09	1.40E-08	1.82E-08	2.27E-09	6.48E-09	8.76E-09
8512	437285.03	3763280.87	2.74E-08	8.63E-08	1.14E-07	4.26E-09	1.41E-08	1.84E-08	2.29E-09	6.54E-09	8.83E-09
8513	437276.18	3763277.22	2.77E-08	8.71E-08	1.15E-07	4.30E-09	1.42E-08	1.85E-08	2.32E-09	6.60E-09	8.92E-09
8514	437267.32	3763273.57	2.8E-08	8.82E-08	1.16E-07	4.35E-09	1.44E-08	1.88E-08	2.34E-09	6.68E-09	9.02E-09
8515	437258.47	3763269.92	2.83E-08	8.91E-08	1.17E-07	4.40E-09	1.46E-08	1.90E-08	2.37E-09	6.75E-09	9.12E-09
8516	437249.61	3763266.26	2.85E-08	8.99E-08	1.18E-07	4.43E-09	1.47E-08	1.91E-08	2.39E-09	6.81E-09	9.20E-09
8517	437240.75	3763262.61	2.88E-08	9.06E-08	1.19E-07	4.47E-09	1.48E-08	1.93E-08	2.41E-09	6.87E-09	9.28E-09
8518	437231.9	3763258.96	2.9E-08	9.14E-08	1.20E-07	4.51E-09	1.49E-08	1.95E-08	2.43E-09	6.93E-09	9.36E-09
8519	437223.04	3763255.31	2.93E-08	9.22E-08	1.22E-07	4.55E-09	1.51E-08	1.96E-08	2.45E-09	6.99E-09	9.44E-09
8520	437214.19	3763251.66	2.95E-08	9.30E-08	1.23E-07	4.59E-09	1.52E-08	1.98E-08	2.47E-09	7.05E-09	9.52E-09
8521	437205.33	3763248	2.98E-08	9.37E-08	1.23E-07	4.62E-09	1.53E-08	1.99E-08	2.49E-09	7.10E-09	9.59E-09
8522	437196.48	3763244.35	3E-08	9.44E-08	1.24E-07	4.66E-09	1.54E-08	2.01E-08	2.51E-09	7.16E-09	9.67E-09
8523	437187.62	3763240.7	3.02E-08	9.51E-08	1.25E-07	4.69E-09	1.55E-08	2.02E-08	2.53E-09	7.21E-09	9.74E-09
8524	437143.34	3763222.44	3.12E-08	9.82E-08	1.29E-07	4.84E-09	1.60E-08	2.09E-08	2.61E-09	7.44E-09	1.00E-08
8525	437134.49	3763218.79	3.13E-08	9.87E-08	1.30E-07	4.87E-09	1.61E-08	2.10E-08	2.62E-09	7.48E-09	1.01E-08
8526	437125.63	3763215.14	3.15E-08	9.92E-08	1.31E-07	4.89E-09	1.62E-08	2.11E-08	2.64E-09	7.51E-09	1.01E-08
8527	437116.78	3763211.48	3.16E-08	9.96E-08	1.31E-07	4.91E-09	1.63E-08	2.12E-08	2.65E-09	7.55E-09	1.02E-08
8528	437107.92	3763207.83	3.17E-08	1.00E-07	1.32E-07	4.93E-09	1.63E-08	2.13E-08	2.66E-09	7.58E-09	1.02E-08
8529	437099.07	3763204.18	3.18E-08	1.00E-07	1.32E-07	4.94E-09	1.63E-08	2.13E-08	2.66E-09	7.58E-09	1.02E-08
8530	437090.21	3763200.53	3.18E-08	1.00E-07	1.32E-07	4.94E-09	1.64E-08	2.13E-08	2.66E-09	7.59E-09	1.02E-08
8531	437081.35	3763196.88	3.18E-08	1.00E-07	1.32E-07	4.94E-09	1.64E-08	2.13E-08	2.66E-09	7.59E-09	1.02E-08
8532	437072.5	3763193.22	3.18E-08	1.00E-07	1.32E-07	4.94E-09	1.64E-08	2.13E-08	2.66E-09	7.59E-09	1.02E-08
8533	437063.64	3763189.57	3.18E-08	1.00E-07	1.32E-07	4.94E-09	1.64E-08	2.13E-08	2.66E-09	7.59E-09	1.03E-08
8534	437054.79	3763185.92	3.18E-08	1.00E-07	1.32E-07	4.95E-09	1.64E-08	2.13E-08	2.67E-09	7.60E-09	1.03E-08
8535	437042.26	3763173.42	3.27E-08	1.03E-07	1.36E-07	5.09E-09	1.68E-08	2.19E-08	2.74E-09	7.81E-09	1.06E-08
8536	437038.59	3763164.57	3.37E-08	1.06E-07	1.40E-07	5.23E-09	1.73E-08	2.26E-08	2.82E-09	8.04E-09	1.09E-08

8537	437034.92	3763155.72	3.47E-08	1.09E-07	1.44E-07	5.39E-09	1.78E-08	2.32E-08	2.90E-09	8.27E-09	1.12E-08
8538	437031.25	3763146.88	3.57E-08	1.12E-07	1.48E-07	5.55E-09	1.84E-08	2.39E-08	2.99E-09	8.52E-09	1.15E-08
8539	437027.58	3763138.03	3.67E-08	1.16E-07	1.52E-07	5.70E-09	1.89E-08	2.46E-08	3.07E-09	8.76E-09	1.18E-08
8540	437023.91	3763129.18	3.76E-08	1.19E-07	1.56E-07	5.85E-09	1.94E-08	2.52E-08	3.15E-09	8.98E-09	1.21E-08
8541	437020.24	3763120.33	3.86E-08	1.22E-07	1.60E-07	6.00E-09	1.99E-08	2.59E-08	3.23E-09	9.21E-09	1.24E-08
8542	437016.57	3763111.48	3.95E-08	1.24E-07	1.64E-07	6.14E-09	2.03E-08	2.65E-08	3.31E-09	9.43E-09	1.27E-08
8543	437012.9	3763102.64	4.05E-08	1.27E-07	1.68E-07	6.29E-09	2.08E-08	2.71E-08	3.39E-09	9.65E-09	1.30E-08
8544	437009.23	3763093.79	4.14E-08	1.30E-07	1.72E-07	6.43E-09	2.13E-08	2.77E-08	3.46E-09	9.87E-09	1.33E-08
8545	437005.56	3763084.94	4.23E-08	1.33E-07	1.75E-07	6.57E-09	2.17E-08	2.83E-08	3.54E-09	1.01E-08	1.36E-08
8546	437001.89	3763076.09	4.32E-08	1.36E-07	1.79E-07	6.71E-09	2.22E-08	2.89E-08	3.61E-09	1.03E-08	1.39E-08
8547	436998.22	3763067.24	4.4E-08	1.39E-07	1.83E-07	6.84E-09	2.26E-08	2.95E-08	3.68E-09	1.05E-08	1.42E-08
8548	436994.55	3763058.4	4.48E-08	1.41E-07	1.86E-07	6.97E-09	2.31E-08	3.00E-08	3.75E-09	1.07E-08	1.45E-08
8549	436990.88	3763049.55	4.56E-08	1.44E-07	1.89E-07	7.09E-09	2.35E-08	3.06E-08	3.82E-09	1.09E-08	1.47E-08
8550	436987.21	3763040.7	4.64E-08	1.46E-07	1.93E-07	7.21E-09	2.39E-08	3.11E-08	3.88E-09	1.11E-08	1.50E-08
8551	436983.54	3763031.85	4.71E-08	1.48E-07	1.96E-07	7.33E-09	2.43E-08	3.16E-08	3.95E-09	1.13E-08	1.52E-08
8552	436979.87	3763023	4.78E-08	1.50E-07	1.98E-07	7.43E-09	2.46E-08	3.20E-08	4.00E-09	1.14E-08	1.54E-08
8553	436976.2	3763014.16	4.85E-08	1.53E-07	2.01E-07	7.54E-09	2.50E-08	3.25E-08	4.06E-09	1.16E-08	1.56E-08
8554	436972.53	3763005.31	4.91E-08	1.55E-07	2.04E-07	7.63E-09	2.53E-08	3.29E-08	4.11E-09	1.17E-08	1.58E-08
8555	436968.85	3762996.46	4.97E-08	1.57E-07	2.06E-07	7.72E-09	2.56E-08	3.33E-08	4.16E-09	1.19E-08	1.60E-08
8556	436965.18	3762987.61	5.02E-08	1.58E-07	2.08E-07	7.81E-09	2.58E-08	3.36E-08	4.20E-09	1.20E-08	1.62E-08
8557	436961.51	3762978.76	5.07E-08	1.60E-07	2.10E-07	7.88E-09	2.61E-08	3.40E-08	4.24E-09	1.21E-08	1.63E-08
8558	436957.84	3762969.92	5.11E-08	1.61E-07	2.12E-07	7.94E-09	2.63E-08	3.42E-08	4.28E-09	1.22E-08	1.65E-08
8559	436954.17	3762961.07	5.15E-08	1.62E-07	2.14E-07	8.00E-09	2.65E-08	3.45E-08	4.31E-09	1.23E-08	1.66E-08
8560	436950.5	3762952.22	5.18E-08	1.63E-07	2.15E-07	8.05E-09	2.66E-08	3.47E-08	4.34E-09	1.24E-08	1.67E-08
8561	436946.83	3762943.37	5.2E-08	1.64E-07	2.16E-07	8.09E-09	2.68E-08	3.49E-08	4.36E-09	1.24E-08	1.68E-08
8562	436943.16	3762934.52	5.22E-08	1.64E-07	2.17E-07	8.11E-09	2.69E-08	3.50E-08	4.37E-09	1.25E-08	1.68E-08
8563	436939.49	3762925.68	5.24E-08	1.65E-07	2.17E-07	8.13E-09	2.69E-08	3.51E-08	4.38E-09	1.25E-08	1.69E-08
8564	436935.82	3762916.83	5.24E-08	1.65E-07	2.18E-07	8.15E-09	2.70E-08	3.51E-08	4.39E-09	1.25E-08	1.69E-08
8565	436932.15	3762907.98	5.25E-08	1.65E-07	2.18E-07	8.15E-09	2.70E-08	3.51E-08	4.39E-09	1.25E-08	1.69E-08
8566	436928.48	3762899.13	5.24E-08	1.65E-07	2.18E-07	8.15E-09	2.70E-08	3.51E-08	4.39E-09	1.25E-08	1.69E-08
8567	437364.73	3763313.74	2.54E-08	8.00E-08	1.05E-07	3.94E-09	1.31E-08	1.70E-08	2.13E-09	6.06E-09	8.18E-09
8568	437374.38	3763313.72	2.56E-08	8.08E-08	1.06E-07	3.98E-09	1.32E-08	1.72E-08	2.15E-09	6.12E-09	8.27E-09
8569	437384.03	3763313.7	2.59E-08	8.16E-08	1.08E-07	4.03E-09	1.33E-08	1.74E-08	2.17E-09	6.18E-09	8.35E-09
8570	437393.68	3763313.68	2.62E-08	8.25E-08	1.09E-07	4.07E-09	1.35E-08	1.75E-08	2.19E-09	6.25E-09	8.44E-09
8571	437403.33	3763313.66	2.65E-08	8.34E-08	1.10E-07	4.12E-09	1.36E-08	1.77E-08	2.22E-09	6.32E-09	8.54E-09
8572	437412.99	3763313.64	2.68E-08	8.44E-08	1.11E-07	4.17E-09	1.38E-08	1.80E-08	2.24E-09	6.40E-09	8.64E-09
8573	437422.64	3763313.62	2.72E-08	8.55E-08	1.13E-07	4.22E-09	1.40E-08	1.82E-08	2.27E-09	6.48E-09	8.75E-09
8574	437432.29	3763313.6	2.75E-08	8.66E-08	1.14E-07	4.27E-09	1.41E-08	1.84E-08	2.30E-09	6.56E-09	8.86E-09
8575	437441.94	3763313.58	2.78E-08	8.76E-08	1.15E-07	4.32E-09	1.43E-08	1.86E-08	2.33E-09	6.64E-09	8.97E-09
8576	437451.59	3763313.56	2.82E-08	8.87E-08	1.17E-07	4.37E-09	1.45E-08	1.89E-08	2.36E-09	6.72E-09	9.07E-09
8577	437461.24	3763313.54	2.85E-08	8.97E-08	1.18E-07	4.43E-09	1.47E-08	1.91E-08	2.38E-09	6.80E-09	9.18E-09
8578	437470.89	3763313.52	2.88E-08	9.08E-08	1.20E-07	4.48E-09	1.48E-08	1.93E-08	2.41E-09	6.88E-09	9.29E-09
8579	437480.54	3763313.5	2.92E-08	9.18E-08	1.21E-07	4.53E-09	1.50E-08	1.95E-08	2.44E-09	6.96E-09	9.40E-09
8580	437490.19	3763313.48	2.95E-08	9.29E-08	1.22E-07	4.58E-09	1.52E-08	1.98E-08	2.47E-09	7.04E-09	9.51E-09
8581	437499.84	3763313.46	2.98E-08	9.37E-08	1.24E-07	4.63E-09	1.53E-08	1.99E-08	2.49E-09	7.10E-09	9.60E-09
8582	437509.49	3763313.44	3E-08	9.46E-08	1.25E-07	4.67E-09	1.55E-08	2.01E-08	2.51E-09	7.17E-09	9.68E-09
8583	437519.14	3763313.42	3.03E-08	9.55E-08	1.26E-07	4.71E-09	1.56E-08	2.03E-08	2.54E-09	7.24E-09	9.78E-09
8584	437528.79	3763313.4	3.06E-08	9.65E-08	1.27E-07	4.76E-09	1.58E-08	2.05E-08	2.57E-09	7.31E-09	9.88E-09
8585	437538.44	3763313.38	3.1E-08	9.75E-08	1.28E-07	4.81E-09	1.59E-08	2.07E-08	2.59E-09	7.39E-09	9.98E-09
8586	437548.09	3763313.36	3.13E-08	9.86E-08	1.30E-07	4.86E-09	1.61E-08	2.10E-08	2.62E-09	7.47E-09	1.01E-08
8587	437356.08	3763340.14	2.27E-08	7.15E-08	9.42E-08	3.53E-09	1.17E-08	1.52E-08	1.90E-09	5.42E-09	7.32E-09
8588	437347.36	3763336.55	2.28E-08	7.19E-08	9.47E-08	3.55E-09	1.17E-08	1.53E-08	1.91E-09	5.45E-09	7.36E-09
8589	437338.64	3763332.95	2.3E-08	7.23E-08	9.52E-08	3.57E-09	1.18E-08	1.54E-08	1.92E-09	5.48E-09	7.40E-09
8590	437329.92	3763329.36	2.31E-08	7.28E-08	9.59E-08	3.59E-09	1.19E-08	1.55E-08	1.93E-09	5.52E-09	7.45E-09
8591	437321.2	3763325.76	2.33E-08	7.34E-08	9.67E-08	3.62E-09	1.20E-08	1.56E-08	1.95E-09	5.56E-09	7.51E-09
8592	437312.48	3763322.16	2.35E-08	7.40E-08	9.75E-08	3.65E-09	1.21E-08	1.57E-08	1.97E-09	5.61E-09	7.57E-09
8593	437303.76	3763318.57	2.37E-08	7.46E-08	9.82E-08	3.68E-09	1.22E-08	1.59E-08	1.98E-09	5.65E-09	7.63E-09
8594	437295.04	3763314.97	2.39E-08	7.51E-08	9.90E-08	3.71E-09	1.23E-08	1.60E-08	2.00E-09	5.69E-09	7.69E-09
8595	437286.32	3763311.38	2.4E-08	7.57E-08	9.98E-08	3.74E-09	1.24E-08	1.61E-08	2.01E-09	5.74E-09	7.75E-09
8596	437277.6	3763307.78	2.42E-08	7.63E-08	1.01E-07	3.77E-09	1.25E-08	1.62E-08	2.03E-09	5.78E-09	7.81E-09
8597	437268.88	3763304.19	2.45E-08	7.71E-08	1.02E-07	3.80E-09	1.26E-08	1.64E-08	2.05E-09	5.84E-09	7.89E-09

8598	437260.16	3763300.59	2.47E-08	7.78E-08	1.03E-07	3.84E-09	1.27E-08	1.66E-08	2.07E-09	5.90E-09	7.97E-09
8599	437251.44	3763296.99	2.5E-08	7.87E-08	1.04E-07	3.88E-09	1.29E-08	1.67E-08	2.09E-09	5.96E-09	8.06E-09
8600	437242.72	3763293.4	2.52E-08	7.95E-08	1.05E-07	3.92E-09	1.30E-08	1.69E-08	2.11E-09	6.02E-09	8.14E-09
8601	437234	3763289.8	2.55E-08	8.03E-08	1.06E-07	3.96E-09	1.31E-08	1.71E-08	2.13E-09	6.08E-09	8.22E-09
8602	437225.29	3763286.21	2.58E-08	8.11E-08	1.07E-07	4.00E-09	1.33E-08	1.73E-08	2.16E-09	6.15E-09	8.30E-09
8603	437216.57	3763282.61	2.6E-08	8.18E-08	1.08E-07	4.03E-09	1.34E-08	1.74E-08	2.17E-09	6.20E-09	8.37E-09
8604	437207.85	3763279.01	2.62E-08	8.24E-08	1.09E-07	4.07E-09	1.35E-08	1.75E-08	2.19E-09	6.24E-09	8.43E-09
8605	437199.13	3763275.42	2.64E-08	8.31E-08	1.09E-07	4.10E-09	1.36E-08	1.77E-08	2.21E-09	6.29E-09	8.50E-09
8606	437190.41	3763271.82	2.66E-08	8.37E-08	1.10E-07	4.13E-09	1.37E-08	1.78E-08	2.23E-09	6.34E-09	8.57E-09
8607	437181.69	3763268.23	2.68E-08	8.43E-08	1.11E-07	4.16E-09	1.38E-08	1.79E-08	2.24E-09	6.39E-09	8.63E-09
8608	437146.81	3763253.84	2.75E-08	8.66E-08	1.14E-07	4.27E-09	1.41E-08	1.84E-08	2.30E-09	6.56E-09	8.86E-09
8609	437138.09	3763250.25	2.77E-08	8.71E-08	1.15E-07	4.30E-09	1.42E-08	1.85E-08	2.32E-09	6.60E-09	8.92E-09
8610	437129.37	3763246.65	2.78E-08	8.76E-08	1.15E-07	4.32E-09	1.43E-08	1.86E-08	2.33E-09	6.64E-09	8.97E-09
8611	437120.65	3763243.06	2.8E-08	8.81E-08	1.16E-07	4.35E-09	1.44E-08	1.87E-08	2.34E-09	6.67E-09	9.01E-09
8612	437111.93	3763239.46	2.81E-08	8.84E-08	1.16E-07	4.36E-09	1.44E-08	1.88E-08	2.35E-09	6.70E-09	9.05E-09
8613	437103.21	3763235.86	2.82E-08	8.87E-08	1.17E-07	4.37E-09	1.45E-08	1.89E-08	2.36E-09	6.72E-09	9.07E-09
8614	437094.5	3763232.27	2.83E-08	8.90E-08	1.17E-07	4.39E-09	1.45E-08	1.89E-08	2.37E-09	6.75E-09	9.11E-09
8615	437085.78	3763228.67	2.84E-08	8.94E-08	1.18E-07	4.41E-09	1.46E-08	1.90E-08	2.38E-09	6.77E-09	9.15E-09
8616	437077.06	3763225.08	2.85E-08	8.96E-08	1.18E-07	4.42E-09	1.46E-08	1.91E-08	2.38E-09	6.79E-09	9.17E-09
8617	437068.34	3763221.48	2.85E-08	8.98E-08	1.18E-07	4.43E-09	1.47E-08	1.91E-08	2.39E-09	6.80E-09	9.19E-09
8618	437059.62	3763217.89	2.85E-08	8.99E-08	1.18E-07	4.44E-09	1.47E-08	1.91E-08	2.39E-09	6.81E-09	9.20E-09
8619	437050.9	3763214.29	2.86E-08	9.00E-08	1.19E-07	4.44E-09	1.47E-08	1.91E-08	2.39E-09	6.82E-09	9.21E-09
8620	437042.18	3763210.69	2.86E-08	9.01E-08	1.19E-07	4.44E-09	1.47E-08	1.92E-08	2.39E-09	6.82E-09	9.22E-09
8621	437033.46	3763207.1	2.86E-08	9.02E-08	1.19E-07	4.45E-09	1.47E-08	1.92E-08	2.40E-09	6.83E-09	9.23E-09
8622	437021.13	3763194.79	2.94E-08	9.26E-08	1.22E-07	4.57E-09	1.51E-08	1.97E-08	2.46E-09	7.02E-09	9.48E-09
8623	437017.51	3763186.08	3.01E-08	9.49E-08	1.25E-07	4.68E-09	1.55E-08	2.02E-08	2.52E-09	7.19E-09	9.72E-09
8624	437013.9	3763177.37	3.09E-08	9.72E-08	1.28E-07	4.80E-09	1.59E-08	2.07E-08	2.58E-09	7.37E-09	9.95E-09
8625	437010.29	3763168.66	3.16E-08	9.96E-08	1.31E-07	4.91E-09	1.63E-08	2.12E-08	2.65E-09	7.54E-09	1.02E-08
8626	437006.67	3763159.94	3.25E-08	1.02E-07	1.35E-07	5.06E-09	1.67E-08	2.18E-08	2.72E-09	7.76E-09	1.05E-08
8627	437003.06	3763151.23	3.34E-08	1.05E-07	1.39E-07	5.20E-09	1.72E-08	2.24E-08	2.80E-09	7.98E-09	1.08E-08
8628	436999.44	3763142.52	3.42E-08	1.08E-07	1.42E-07	5.32E-09	1.76E-08	2.29E-08	2.86E-09	8.17E-09	1.10E-08
8629	436995.83	3763133.81	3.5E-08	1.10E-07	1.45E-07	5.44E-09	1.80E-08	2.35E-08	2.93E-09	8.36E-09	1.13E-08
8630	436992.22	3763125.1	3.58E-08	1.13E-07	1.49E-07	5.56E-09	1.84E-08	2.40E-08	3.00E-09	8.54E-09	1.15E-08
8631	436988.6	3763116.38	3.66E-08	1.15E-07	1.52E-07	5.68E-09	1.88E-08	2.45E-08	3.06E-09	8.73E-09	1.18E-08
8632	436984.99	3763107.67	3.74E-08	1.18E-07	1.55E-07	5.80E-09	1.92E-08	2.50E-08	3.13E-09	8.91E-09	1.20E-08
8633	436981.37	3763098.96	3.81E-08	1.20E-07	1.58E-07	5.92E-09	1.96E-08	2.55E-08	3.19E-09	9.09E-09	1.23E-08
8634	436977.76	3763090.25	3.88E-08	1.22E-07	1.61E-07	6.04E-09	2.00E-08	2.60E-08	3.25E-09	9.27E-09	1.25E-08
8635	436974.15	3763081.54	3.96E-08	1.25E-07	1.64E-07	6.15E-09	2.04E-08	2.65E-08	3.31E-09	9.44E-09	1.28E-08
8636	436970.53	3763072.82	4.03E-08	1.27E-07	1.67E-07	6.26E-09	2.07E-08	2.70E-08	3.37E-09	9.61E-09	1.30E-08
8637	436966.92	3763064.11	4.1E-08	1.29E-07	1.70E-07	6.36E-09	2.11E-08	2.74E-08	3.43E-09	9.77E-09	1.32E-08
8638	436963.3	3763055.4	4.16E-08	1.31E-07	1.73E-07	6.47E-09	2.14E-08	2.79E-08	3.48E-09	9.93E-09	1.34E-08
8639	436959.69	3763046.69	4.22E-08	1.33E-07	1.75E-07	6.56E-09	2.17E-08	2.83E-08	3.54E-09	1.01E-08	1.36E-08
8640	436956.08	3763037.98	4.28E-08	1.35E-07	1.78E-07	6.65E-09	2.20E-08	2.87E-08	3.58E-09	1.02E-08	1.38E-08
8641	436952.46	3763029.27	4.34E-08	1.37E-07	1.80E-07	6.74E-09	2.23E-08	2.91E-08	3.63E-09	1.04E-08	1.40E-08
8642	436948.85	3763020.55	4.39E-08	1.38E-07	1.82E-07	6.82E-09	2.26E-08	2.94E-08	3.68E-09	1.05E-08	1.42E-08
8643	436945.24	3763011.84	4.44E-08	1.40E-07	1.84E-07	6.90E-09	2.29E-08	2.98E-08	3.72E-09	1.06E-08	1.43E-08
8644	436941.62	3763003.13	4.49E-08	1.41E-07	1.86E-07	6.97E-09	2.31E-08	3.01E-08	3.76E-09	1.07E-08	1.45E-08
8645	436938.01	3762994.42	4.53E-08	1.43E-07	1.88E-07	7.04E-09	2.33E-08	3.04E-08	3.79E-09	1.08E-08	1.46E-08
8646	436934.39	3762985.71	4.57E-08	1.44E-07	1.90E-07	7.10E-09	2.35E-08	3.06E-08	3.82E-09	1.09E-08	1.47E-08
8647	436930.78	3762976.99	4.6E-08	1.45E-07	1.91E-07	7.15E-09	2.37E-08	3.08E-08	3.85E-09	1.10E-08	1.48E-08
8648	436927.17	3762968.28	4.63E-08	1.46E-07	1.92E-07	7.20E-09	2.38E-08	3.10E-08	3.88E-09	1.11E-08	1.49E-08
8649	436923.55	3762959.57	4.65E-08	1.47E-07	1.93E-07	7.23E-09	2.39E-08	3.12E-08	3.90E-09	1.11E-08	1.50E-08
8650	436919.94	3762950.86	4.67E-08	1.47E-07	1.94E-07	7.26E-09	2.40E-08	3.13E-08	3.91E-09	1.12E-08	1.51E-08
8651	436916.32	3762942.15	4.69E-08	1.48E-07	1.94E-07	7.28E-09	2.41E-08	3.14E-08	3.92E-09	1.12E-08	1.51E-08
8652	436912.71	3762933.43	4.7E-08	1.48E-07	1.95E-07	7.30E-09	2.42E-08	3.15E-08	3.93E-09	1.12E-08	1.51E-08
8653	436909.1	3762924.72	4.71E-08	1.48E-07	1.95E-07	7.31E-09	2.42E-08	3.15E-08	3.94E-09	1.12E-08	1.52E-08
8654	436905.48	3762916.01	4.71E-08	1.48E-07	1.95E-07	7.32E-09	2.42E-08	3.15E-08	3.94E-09	1.12E-08	1.52E-08
8655	436901.87	3762907.3	4.71E-08	1.48E-07	1.95E-07	7.32E-09	2.42E-08	3.15E-08	3.94E-09	1.12E-08	1.52E-08
8656	436898.26	3762898.59	4.7E-08	1.48E-07	1.95E-07	7.31E-09	2.42E-08	3.15E-08	3.94E-09	1.12E-08	1.52E-08
8657	437364.79	3763343.74	2.26E-08	7.12E-08	9.38E-08	3.51E-09	1.16E-08	1.51E-08	1.89E-09	5.39E-09	7.29E-09
8658	437374.45	3763343.72	2.28E-08	7.19E-08	9.47E-08	3.55E-09	1.17E-08	1.53E-08	1.91E-09	5.45E-09	7.36E-09

8659	437384.1	3763343.7	2.31E-08	7.26E-08	9.56E-08	3.58E-09	1.19E-08	1.54E-08	1.93E-09	5.50E-09	7.43E-09
8660	437393.75	3763343.68	2.33E-08	7.33E-08	9.66E-08	3.62E-09	1.20E-08	1.56E-08	1.95E-09	5.56E-09	7.50E-09
8661	437403.4	3763343.66	2.35E-08	7.41E-08	9.77E-08	3.66E-09	1.21E-08	1.58E-08	1.97E-09	5.62E-09	7.59E-09
8662	437413.05	3763343.64	2.38E-08	7.51E-08	9.89E-08	3.70E-09	1.23E-08	1.60E-08	2.00E-09	5.69E-09	7.68E-09
8663	437422.7	3763343.62	2.41E-08	7.60E-08	1.00E-07	3.75E-09	1.24E-08	1.62E-08	2.02E-09	5.76E-09	7.78E-09
8664	437432.35	3763343.6	2.44E-08	7.70E-08	1.01E-07	3.80E-09	1.26E-08	1.64E-08	2.05E-09	5.83E-09	7.88E-09
8665	437442	3763343.58	2.47E-08	7.78E-08	1.03E-07	3.84E-09	1.27E-08	1.65E-08	2.07E-09	5.90E-09	7.96E-09
8666	437451.65	3763343.56	2.5E-08	7.86E-08	1.04E-07	3.88E-09	1.28E-08	1.67E-08	2.09E-09	5.96E-09	8.05E-09
8667	437461.3	3763343.54	2.52E-08	7.95E-08	1.05E-07	3.92E-09	1.30E-08	1.69E-08	2.11E-09	6.02E-09	8.14E-09
8668	437470.95	3763343.52	2.55E-08	8.04E-08	1.06E-07	3.96E-09	1.31E-08	1.71E-08	2.14E-09	6.09E-09	8.23E-09
8669	437480.6	3763343.5	2.58E-08	8.12E-08	1.07E-07	4.01E-09	1.33E-08	1.73E-08	2.16E-09	6.16E-09	8.31E-09
8670	437490.25	3763343.48	2.61E-08	8.21E-08	1.08E-07	4.05E-09	1.34E-08	1.75E-08	2.18E-09	6.22E-09	8.41E-09
8671	437499.9	3763343.46	2.64E-08	8.32E-08	1.10E-07	4.10E-09	1.36E-08	1.77E-08	2.21E-09	6.30E-09	8.51E-09
8672	437509.55	3763343.44	2.67E-08	8.42E-08	1.11E-07	4.15E-09	1.38E-08	1.79E-08	2.24E-09	6.38E-09	8.62E-09
8673	437519.2	3763343.42	2.71E-08	8.53E-08	1.12E-07	4.21E-09	1.39E-08	1.81E-08	2.27E-09	6.46E-09	8.73E-09
8674	437528.85	3763343.4	2.73E-08	8.59E-08	1.13E-07	4.24E-09	1.40E-08	1.83E-08	2.28E-09	6.51E-09	8.79E-09
8675	437538.5	3763343.38	2.75E-08	8.65E-08	1.14E-07	4.27E-09	1.41E-08	1.84E-08	2.30E-09	6.55E-09	8.85E-09
8676	437548.15	3763343.36	2.77E-08	8.71E-08	1.15E-07	4.30E-09	1.42E-08	1.85E-08	2.32E-09	6.60E-09	8.92E-09
8677	437356.04	3763370.1	2.05E-08	6.45E-08	8.50E-08	3.18E-09	1.05E-08	1.37E-08	1.72E-09	4.89E-09	6.61E-09
8678	437347.23	3763366.47	2.06E-08	6.48E-08	8.54E-08	3.20E-09	1.06E-08	1.38E-08	1.72E-09	4.91E-09	6.63E-09
8679	437338.42	3763362.84	2.07E-08	6.50E-08	8.57E-08	3.21E-09	1.06E-08	1.38E-08	1.73E-09	4.93E-09	6.66E-09
8680	437329.61	3763359.2	2.07E-08	6.53E-08	8.61E-08	3.22E-09	1.07E-08	1.39E-08	1.74E-09	4.95E-09	6.69E-09
8681	437320.8	3763355.57	2.08E-08	6.56E-08	8.64E-08	3.24E-09	1.07E-08	1.40E-08	1.74E-09	4.97E-09	6.71E-09
8682	437311.98	3763351.93	2.09E-08	6.59E-08	8.68E-08	3.25E-09	1.08E-08	1.40E-08	1.75E-09	4.99E-09	6.75E-09
8683	437303.17	3763348.3	2.1E-08	6.62E-08	8.72E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.02E-09	6.78E-09
8684	437294.36	3763344.67	2.11E-08	6.66E-08	8.77E-08	3.28E-09	1.09E-08	1.42E-08	1.77E-09	5.04E-09	6.81E-09
8685	437285.55	3763341.03	2.13E-08	6.70E-08	8.82E-08	3.30E-09	1.09E-08	1.42E-08	1.78E-09	5.08E-09	6.86E-09
8686	437276.73	3763337.4	2.14E-08	6.75E-08	8.89E-08	3.33E-09	1.10E-08	1.43E-08	1.79E-09	5.11E-09	6.90E-09
8687	437267.92	3763333.76	2.16E-08	6.80E-08	8.96E-08	3.36E-09	1.11E-08	1.45E-08	1.81E-09	5.16E-09	6.96E-09
8688	437259.11	3763330.13	2.18E-08	6.86E-08	9.04E-08	3.39E-09	1.12E-08	1.46E-08	1.82E-09	5.20E-09	7.02E-09
8689	437250.3	3763326.49	2.2E-08	6.92E-08	9.12E-08	3.42E-09	1.13E-08	1.47E-08	1.84E-09	5.25E-09	7.09E-09
8690	437241.48	3763322.86	2.22E-08	6.99E-08	9.21E-08	3.45E-09	1.14E-08	1.49E-08	1.86E-09	5.29E-09	7.15E-09
8691	437232.67	3763319.23	2.24E-08	7.05E-08	9.29E-08	3.48E-09	1.15E-08	1.50E-08	1.87E-09	5.34E-09	7.22E-09
8692	437223.86	3763315.59	2.26E-08	7.12E-08	9.37E-08	3.51E-09	1.16E-08	1.51E-08	1.89E-09	5.39E-09	7.28E-09
8693	437215.05	3763311.96	2.28E-08	7.18E-08	9.46E-08	3.54E-09	1.17E-08	1.53E-08	1.91E-09	5.44E-09	7.35E-09
8694	437206.23	3763308.32	2.3E-08	7.25E-08	9.55E-08	3.58E-09	1.18E-08	1.54E-08	1.93E-09	5.49E-09	7.42E-09
8695	437197.42	3763304.69	2.32E-08	7.32E-08	9.64E-08	3.61E-09	1.20E-08	1.56E-08	1.95E-09	5.55E-09	7.49E-09
8696	437188.61	3763301.06	2.35E-08	7.39E-08	9.73E-08	3.64E-09	1.21E-08	1.57E-08	1.96E-09	5.60E-09	7.56E-09
8697	437144.55	3763282.88	2.44E-08	7.68E-08	1.01E-07	3.79E-09	1.26E-08	1.63E-08	2.04E-09	5.82E-09	7.86E-09
8698	437135.74	3763279.25	2.45E-08	7.72E-08	1.02E-07	3.81E-09	1.26E-08	1.64E-08	2.05E-09	5.85E-09	7.90E-09
8699	437126.92	3763275.62	2.46E-08	7.76E-08	1.02E-07	3.83E-09	1.27E-08	1.65E-08	2.06E-09	5.88E-09	7.94E-09
8700	437118.11	3763271.98	2.48E-08	7.80E-08	1.03E-07	3.85E-09	1.27E-08	1.66E-08	2.07E-09	5.91E-09	7.98E-09
8701	437109.3	3763268.35	2.49E-08	7.83E-08	1.03E-07	3.86E-09	1.28E-08	1.67E-08	2.08E-09	5.93E-09	8.01E-09
8702	437100.49	3763264.71	2.5E-08	7.86E-08	1.04E-07	3.88E-09	1.28E-08	1.67E-08	2.09E-09	5.96E-09	8.05E-09
8703	437091.67	3763261.08	2.52E-08	7.92E-08	1.04E-07	3.91E-09	1.29E-08	1.68E-08	2.11E-09	6.00E-09	8.11E-09
8704	437082.86	3763257.45	2.53E-08	7.98E-08	1.05E-07	3.94E-09	1.30E-08	1.70E-08	2.12E-09	6.05E-09	8.17E-09
8705	437074.05	3763253.81	2.55E-08	8.03E-08	1.06E-07	3.96E-09	1.31E-08	1.71E-08	2.13E-09	6.08E-09	8.22E-09
8706	437065.24	3763250.18	2.56E-08	8.06E-08	1.06E-07	3.98E-09	1.32E-08	1.72E-08	2.14E-09	6.11E-09	8.25E-09
8707	437056.42	3763246.54	2.57E-08	8.09E-08	1.07E-07	3.99E-09	1.32E-08	1.72E-08	2.15E-09	6.13E-09	8.28E-09
8708	437047.61	3763242.91	2.58E-08	8.11E-08	1.07E-07	4.00E-09	1.33E-08	1.73E-08	2.16E-09	6.15E-09	8.31E-09
8709	437038.8	3763239.27	2.58E-08	8.14E-08	1.07E-07	4.01E-09	1.33E-08	1.73E-08	2.16E-09	6.16E-09	8.33E-09
8710	437029.99	3763235.64	2.59E-08	8.15E-08	1.07E-07	4.02E-09	1.33E-08	1.73E-08	2.17E-09	6.18E-09	8.34E-09
8711	437021.17	3763232.01	2.59E-08	8.16E-08	1.08E-07	4.03E-09	1.33E-08	1.74E-08	2.17E-09	6.19E-09	8.36E-09
8712	437012.36	3763228.37	2.6E-08	8.17E-08	1.08E-07	4.03E-09	1.34E-08	1.74E-08	2.17E-09	6.19E-09	8.37E-09
8713	436999.9	3763215.93	2.66E-08	8.38E-08	1.10E-07	4.14E-09	1.37E-08	1.78E-08	2.23E-09	6.35E-09	8.58E-09
8714	436996.24	3763207.13	2.73E-08	8.59E-08	1.13E-07	4.24E-09	1.40E-08	1.83E-08	2.28E-09	6.51E-09	8.79E-09
8715	436992.59	3763198.32	2.79E-08	8.80E-08	1.16E-07	4.34E-09	1.44E-08	1.87E-08	2.34E-09	6.67E-09	9.01E-09
8716	436988.94	3763189.52	2.86E-08	9.00E-08	1.19E-07	4.44E-09	1.47E-08	1.92E-08	2.39E-09	6.82E-09	9.22E-09
8717	436985.29	3763180.71	2.93E-08	9.22E-08	1.21E-07	4.55E-09	1.51E-08	1.96E-08	2.45E-09	6.98E-09	9.43E-09
8718	436981.63	3763171.91	3E-08	9.43E-08	1.24E-07	4.65E-09	1.54E-08	2.01E-08	2.51E-09	7.15E-09	9.66E-09
8719	436977.98	3763163.1	3.07E-08	9.67E-08	1.27E-07	4.77E-09	1.58E-08	2.06E-08	2.57E-09	7.33E-09	9.90E-09

8720	436974.33	3763154.3	3.14E-08	9.89E-08	1.30E-07	4.88E-09	1.62E-08	2.10E-08	2.63E-09	7.49E-09	1.01E-08
8721	436970.68	3763145.49	3.21E-08	1.01E-07	1.33E-07	4.98E-09	1.65E-08	2.15E-08	2.68E-09	7.65E-09	1.03E-08
8722	436967.03	3763136.69	3.28E-08	1.03E-07	1.36E-07	5.09E-09	1.69E-08	2.19E-08	2.74E-09	7.82E-09	1.06E-08
8723	436963.37	3763127.88	3.34E-08	1.05E-07	1.39E-07	5.19E-09	1.72E-08	2.24E-08	2.80E-09	7.98E-09	1.08E-08
8724	436959.72	3763119.08	3.41E-08	1.07E-07	1.41E-07	5.30E-09	1.75E-08	2.28E-08	2.85E-09	8.13E-09	1.10E-08
8725	436956.07	3763110.28	3.47E-08	1.09E-07	1.44E-07	5.40E-09	1.79E-08	2.33E-08	2.91E-09	8.29E-09	1.12E-08
8726	436952.42	3763101.47	3.54E-08	1.11E-07	1.47E-07	5.50E-09	1.82E-08	2.37E-08	2.96E-09	8.44E-09	1.14E-08
8727	436948.76	3763092.67	3.6E-08	1.13E-07	1.49E-07	5.59E-09	1.85E-08	2.41E-08	3.01E-09	8.59E-09	1.16E-08
8728	436945.11	3763083.86	3.66E-08	1.15E-07	1.52E-07	5.69E-09	1.88E-08	2.45E-08	3.07E-09	8.74E-09	1.18E-08
8729	436941.46	3763075.06	3.72E-08	1.17E-07	1.54E-07	5.78E-09	1.91E-08	2.49E-08	3.11E-09	8.88E-09	1.20E-08
8730	436937.81	3763066.25	3.78E-08	1.19E-07	1.57E-07	5.87E-09	1.94E-08	2.53E-08	3.16E-09	9.01E-09	1.22E-08
8731	436934.15	3763057.45	3.83E-08	1.21E-07	1.59E-07	5.95E-09	1.97E-08	2.57E-08	3.21E-09	9.14E-09	1.24E-08
8732	436930.5	3763048.64	3.88E-08	1.22E-07	1.61E-07	6.03E-09	2.00E-08	2.60E-08	3.25E-09	9.27E-09	1.25E-08
8733	436926.85	3763039.84	3.93E-08	1.24E-07	1.63E-07	6.11E-09	2.02E-08	2.63E-08	3.29E-09	9.38E-09	1.27E-08
8734	436923.2	3763031.03	3.98E-08	1.25E-07	1.65E-07	6.18E-09	2.05E-08	2.66E-08	3.33E-09	9.49E-09	1.28E-08
8735	436919.54	3763022.23	4.02E-08	1.27E-07	1.67E-07	6.25E-09	2.07E-08	2.69E-08	3.36E-09	9.59E-09	1.30E-08
8736	436915.89	3763013.42	4.06E-08	1.28E-07	1.68E-07	6.31E-09	2.09E-08	2.72E-08	3.40E-09	9.69E-09	1.31E-08
8737	436912.24	3763004.62	4.1E-08	1.29E-07	1.70E-07	6.36E-09	2.11E-08	2.74E-08	3.43E-09	9.77E-09	1.32E-08
8738	436908.59	3762995.81	4.13E-08	1.30E-07	1.71E-07	6.41E-09	2.12E-08	2.77E-08	3.46E-09	9.85E-09	1.33E-08
8739	436904.93	3762987.01	4.16E-08	1.31E-07	1.72E-07	6.46E-09	2.14E-08	2.78E-08	3.48E-09	9.92E-09	1.34E-08
8740	436901.28	3762978.2	4.18E-08	1.32E-07	1.74E-07	6.50E-09	2.15E-08	2.80E-08	3.50E-09	9.98E-09	1.35E-08
8741	436897.63	3762969.4	4.2E-08	1.32E-07	1.74E-07	6.53E-09	2.16E-08	2.82E-08	3.52E-09	1.00E-08	1.35E-08
8742	436893.98	3762960.59	4.22E-08	1.33E-07	1.75E-07	6.56E-09	2.17E-08	2.83E-08	3.53E-09	1.01E-08	1.36E-08
8743	436890.32	3762951.79	4.23E-08	1.33E-07	1.76E-07	6.58E-09	2.18E-08	2.84E-08	3.54E-09	1.01E-08	1.37E-08
8744	436886.67	3762942.98	4.25E-08	1.34E-07	1.76E-07	6.60E-09	2.18E-08	2.84E-08	3.55E-09	1.01E-08	1.37E-08
8745	436883.02	3762934.18	4.25E-08	1.34E-07	1.76E-07	6.61E-09	2.19E-08	2.85E-08	3.56E-09	1.01E-08	1.37E-08
8746	436879.37	3762925.37	4.26E-08	1.34E-07	1.77E-07	6.61E-09	2.19E-08	2.85E-08	3.56E-09	1.02E-08	1.37E-08
8747	436875.71	3762916.57	4.26E-08	1.34E-07	1.77E-07	6.61E-09	2.19E-08	2.85E-08	3.56E-09	1.02E-08	1.37E-08
8748	436872.06	3762907.76	4.25E-08	1.34E-07	1.76E-07	6.61E-09	2.19E-08	2.85E-08	3.56E-09	1.02E-08	1.37E-08
8749	436868.41	3762898.96	4.25E-08	1.34E-07	1.76E-07	6.60E-09	2.19E-08	2.85E-08	3.56E-09	1.01E-08	1.37E-08
8750	437364.86	3763373.74	2.04E-08	6.43E-08	8.47E-08	3.17E-09	1.05E-08	1.37E-08	1.71E-09	4.87E-09	6.58E-09
8751	437374.51	3763373.72	2.06E-08	6.48E-08	8.54E-08	3.20E-09	1.06E-08	1.38E-08	1.72E-09	4.91E-09	6.63E-09
8752	437384.16	3763373.7	2.07E-08	6.52E-08	8.59E-08	3.22E-09	1.06E-08	1.39E-08	1.73E-09	4.94E-09	6.67E-09
8753	437393.81	3763373.68	2.08E-08	6.56E-08	8.64E-08	3.24E-09	1.07E-08	1.40E-08	1.74E-09	4.97E-09	6.71E-09
8754	437403.46	3763373.66	2.1E-08	6.62E-08	8.72E-08	3.26E-09	1.08E-08	1.41E-08	1.76E-09	5.01E-09	6.77E-09
8755	437413.11	3763373.64	2.13E-08	6.69E-08	8.82E-08	3.30E-09	1.09E-08	1.42E-08	1.78E-09	5.07E-09	6.85E-09
8756	437422.76	3763373.62	2.15E-08	6.77E-08	8.93E-08	3.34E-09	1.11E-08	1.44E-08	1.80E-09	5.13E-09	6.93E-09
8757	437432.41	3763373.6	2.18E-08	6.85E-08	9.03E-08	3.38E-09	1.12E-08	1.46E-08	1.82E-09	5.19E-09	7.01E-09
8758	437442.06	3763373.58	2.2E-08	6.92E-08	9.12E-08	3.42E-09	1.13E-08	1.47E-08	1.84E-09	5.25E-09	7.09E-09
8759	437451.71	3763373.56	2.22E-08	6.99E-08	9.21E-08	3.45E-09	1.14E-08	1.49E-08	1.86E-09	5.30E-09	7.16E-09
8760	437461.36	3763373.54	2.24E-08	7.06E-08	9.31E-08	3.49E-09	1.15E-08	1.50E-08	1.88E-09	5.35E-09	7.23E-09
8761	437471.01	3763373.52	2.27E-08	7.15E-08	9.42E-08	3.53E-09	1.17E-08	1.52E-08	1.90E-09	5.42E-09	7.32E-09
8762	437480.66	3763373.5	2.3E-08	7.24E-08	9.53E-08	3.57E-09	1.18E-08	1.54E-08	1.92E-09	5.48E-09	7.41E-09
8763	437490.31	3763373.48	2.32E-08	7.32E-08	9.65E-08	3.61E-09	1.20E-08	1.56E-08	1.95E-09	5.55E-09	7.49E-09
8764	437499.96	3763373.46	2.35E-08	7.40E-08	9.75E-08	3.65E-09	1.21E-08	1.57E-08	1.97E-09	5.61E-09	7.58E-09
8765	437509.61	3763373.44	2.38E-08	7.48E-08	9.86E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.67E-09	7.66E-09
8766	437519.27	3763373.42	2.4E-08	7.56E-08	9.97E-08	3.73E-09	1.24E-08	1.61E-08	2.01E-09	5.73E-09	7.74E-09
8767	437528.92	3763373.4	2.43E-08	7.64E-08	1.01E-07	3.77E-09	1.25E-08	1.62E-08	2.03E-09	5.79E-09	7.82E-09
8768	437538.57	3763373.38	2.45E-08	7.71E-08	1.02E-07	3.80E-09	1.26E-08	1.64E-08	2.05E-09	5.84E-09	7.89E-09
8769	437548.22	3763373.36	2.47E-08	7.79E-08	1.03E-07	3.84E-09	1.27E-08	1.66E-08	2.07E-09	5.90E-09	7.97E-09
8770	437356.02	3763400.07	1.86E-08	5.86E-08	7.72E-08	2.89E-09	9.58E-09	1.25E-08	1.56E-09	4.44E-09	6.00E-09
8771	437347.13	3763396.4	1.87E-08	5.89E-08	7.76E-08	2.91E-09	9.63E-09	1.25E-08	1.57E-09	4.46E-09	6.03E-09
8772	437338.23	3763392.73	1.88E-08	5.92E-08	7.80E-08	2.92E-09	9.67E-09	1.26E-08	1.57E-09	4.48E-09	6.06E-09
8773	437329.33	3763389.06	1.89E-08	5.94E-08	7.83E-08	2.93E-09	9.71E-09	1.26E-08	1.58E-09	4.50E-09	6.08E-09
8774	437320.44	3763385.39	1.89E-08	5.97E-08	7.86E-08	2.94E-09	9.75E-09	1.27E-08	1.59E-09	4.52E-09	6.11E-09
8775	437311.54	3763381.73	1.9E-08	5.99E-08	7.89E-08	2.96E-09	9.79E-09	1.27E-08	1.59E-09	4.54E-09	6.13E-09
8776	437302.64	3763378.06	1.91E-08	6.01E-08	7.92E-08	2.97E-09	9.83E-09	1.28E-08	1.60E-09	4.56E-09	6.16E-09
8777	437293.74	3763374.39	1.92E-08	6.04E-08	7.96E-08	2.98E-09	9.87E-09	1.28E-08	1.61E-09	4.58E-09	6.18E-09
8778	437284.85	3763370.72	1.93E-08	6.06E-08	7.99E-08	2.99E-09	9.90E-09	1.29E-08	1.61E-09	4.59E-09	6.21E-09
8779	437275.95	3763367.05	1.93E-08	6.09E-08	8.02E-08	3.00E-09	9.94E-09	1.29E-08	1.62E-09	4.61E-09	6.23E-09
8780	437267.05	3763363.38	1.94E-08	6.11E-08	8.05E-08	3.01E-09	9.98E-09	1.30E-08	1.62E-09	4.63E-09	6.25E-09

8781	437258.16	3763359.71	1.95E-08	6.14E-08	8.09E-08	3.03E-09	1.00E-08	1.31E-08	1.63E-09	4.65E-09	6.28E-09
8782	437249.26	3763356.04	1.96E-08	6.17E-08	8.13E-08	3.05E-09	1.01E-08	1.31E-08	1.64E-09	4.68E-09	6.32E-09
8783	437240.36	3763352.37	1.98E-08	6.22E-08	8.20E-08	3.07E-09	1.02E-08	1.32E-08	1.65E-09	4.71E-09	6.37E-09
8784	437231.47	3763348.7	1.99E-08	6.28E-08	8.27E-08	3.10E-09	1.03E-08	1.34E-08	1.67E-09	4.76E-09	6.43E-09
8785	437222.57	3763345.04	2.01E-08	6.34E-08	8.35E-08	3.13E-09	1.04E-08	1.35E-08	1.69E-09	4.80E-09	6.49E-09
8786	437213.67	3763341.37	2.03E-08	6.39E-08	8.43E-08	3.16E-09	1.04E-08	1.36E-08	1.70E-09	4.85E-09	6.55E-09
8787	437204.78	3763337.7	2.05E-08	6.45E-08	8.49E-08	3.18E-09	1.05E-08	1.37E-08	1.71E-09	4.89E-09	6.60E-09
8788	437195.88	3763334.03	2.06E-08	6.50E-08	8.56E-08	3.21E-09	1.06E-08	1.38E-08	1.73E-09	4.93E-09	6.65E-09
8789	437186.98	3763330.36	2.08E-08	6.56E-08	8.64E-08	3.23E-09	1.07E-08	1.39E-08	1.74E-09	4.97E-09	6.71E-09
8790	437142.5	3763312.01	2.17E-08	6.83E-08	8.99E-08	3.37E-09	1.12E-08	1.45E-08	1.81E-09	5.17E-09	6.99E-09
8791	437133.6	3763308.35	2.18E-08	6.88E-08	9.06E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.21E-09	7.04E-09
8792	437124.71	3763304.68	2.2E-08	6.92E-08	9.12E-08	3.41E-09	1.13E-08	1.47E-08	1.84E-09	5.24E-09	7.08E-09
8793	437115.81	3763301.01	2.21E-08	6.96E-08	9.17E-08	3.43E-09	1.14E-08	1.48E-08	1.85E-09	5.27E-09	7.12E-09
8794	437106.91	3763297.34	2.22E-08	6.99E-08	9.21E-08	3.45E-09	1.14E-08	1.49E-08	1.86E-09	5.30E-09	7.16E-09
8795	437098.02	3763293.67	2.23E-08	7.03E-08	9.26E-08	3.47E-09	1.15E-08	1.50E-08	1.87E-09	5.33E-09	7.20E-09
8796	437089.12	3763290	2.25E-08	7.08E-08	9.33E-08	3.49E-09	1.16E-08	1.51E-08	1.88E-09	5.37E-09	7.25E-09
8797	437080.22	3763286.33	2.27E-08	7.14E-08	9.40E-08	3.52E-09	1.17E-08	1.52E-08	1.90E-09	5.41E-09	7.30E-09
8798	437071.33	3763282.66	2.28E-08	7.19E-08	9.47E-08	3.55E-09	1.17E-08	1.53E-08	1.91E-09	5.45E-09	7.36E-09
8799	437062.43	3763278.99	2.3E-08	7.24E-08	9.54E-08	3.57E-09	1.18E-08	1.54E-08	1.92E-09	5.49E-09	7.41E-09
8800	437053.53	3763275.32	2.31E-08	7.28E-08	9.59E-08	3.59E-09	1.19E-08	1.55E-08	1.93E-09	5.52E-09	7.45E-09
8801	437044.64	3763271.66	2.32E-08	7.32E-08	9.64E-08	3.61E-09	1.20E-08	1.56E-08	1.94E-09	5.54E-09	7.49E-09
8802	437035.74	3763267.99	2.33E-08	7.34E-08	9.67E-08	3.62E-09	1.20E-08	1.56E-08	1.95E-09	5.56E-09	7.52E-09
8803	437026.84	3763264.32	2.34E-08	7.36E-08	9.70E-08	3.63E-09	1.20E-08	1.57E-08	1.96E-09	5.58E-09	7.54E-09
8804	437017.95	3763260.65	2.34E-08	7.38E-08	9.73E-08	3.64E-09	1.21E-08	1.57E-08	1.96E-09	5.59E-09	7.56E-09
8805	437009.05	3763256.98	2.35E-08	7.40E-08	9.75E-08	3.65E-09	1.21E-08	1.57E-08	1.97E-09	5.61E-09	7.58E-09
8806	437000.15	3763253.31	2.36E-08	7.43E-08	9.78E-08	3.66E-09	1.21E-08	1.58E-08	1.97E-09	5.63E-09	7.60E-09
8807	436991.25	3763249.64	2.36E-08	7.44E-08	9.80E-08	3.67E-09	1.21E-08	1.58E-08	1.98E-09	5.64E-09	7.61E-09
8808	436978.67	3763237.08	2.42E-08	7.62E-08	1.00E-07	3.76E-09	1.24E-08	1.62E-08	2.03E-09	5.77E-09	7.80E-09
8809	436974.98	3763228.19	2.47E-08	7.79E-08	1.03E-07	3.84E-09	1.27E-08	1.66E-08	2.07E-09	5.90E-09	7.97E-09
8810	436971.3	3763219.31	2.53E-08	7.97E-08	1.05E-07	3.93E-09	1.30E-08	1.70E-08	2.12E-09	6.04E-09	8.16E-09
8811	436967.61	3763210.42	2.59E-08	8.15E-08	1.07E-07	4.02E-09	1.33E-08	1.73E-08	2.17E-09	6.18E-09	8.35E-09
8812	436963.92	3763201.53	2.65E-08	8.34E-08	1.10E-07	4.12E-09	1.36E-08	1.77E-08	2.22E-09	6.32E-09	8.54E-09
8813	436960.23	3763192.64	2.71E-08	8.53E-08	1.12E-07	4.21E-09	1.39E-08	1.81E-08	2.27E-09	6.46E-09	8.73E-09
8814	436956.55	3763183.75	2.77E-08	8.72E-08	1.15E-07	4.30E-09	1.42E-08	1.85E-08	2.32E-09	6.60E-09	8.92E-09
8815	436952.86	3763174.86	2.83E-08	8.90E-08	1.17E-07	4.39E-09	1.45E-08	1.89E-08	2.37E-09	6.75E-09	9.11E-09
8816	436949.17	3763165.97	2.89E-08	9.10E-08	1.20E-07	4.49E-09	1.49E-08	1.94E-08	2.42E-09	6.90E-09	9.31E-09
8817	436945.48	3763157.08	2.95E-08	9.29E-08	1.22E-07	4.59E-09	1.52E-08	1.98E-08	2.47E-09	7.04E-09	9.51E-09
8818	436941.8	3763148.19	3.01E-08	9.48E-08	1.25E-07	4.68E-09	1.55E-08	2.02E-08	2.52E-09	7.18E-09	9.70E-09
8819	436938.11	3763139.3	3.07E-08	9.67E-08	1.27E-07	4.77E-09	1.58E-08	2.06E-08	2.57E-09	7.32E-09	9.89E-09
8820	436934.42	3763130.41	3.13E-08	9.85E-08	1.30E-07	4.86E-09	1.61E-08	2.09E-08	2.62E-09	7.46E-09	1.01E-08
8821	436930.73	3763121.53	3.18E-08	1.00E-07	1.32E-07	4.95E-09	1.64E-08	2.13E-08	2.66E-09	7.60E-09	1.03E-08
8822	436927.05	3763112.64	3.24E-08	1.02E-07	1.34E-07	5.03E-09	1.67E-08	2.17E-08	2.71E-09	7.73E-09	1.04E-08
8823	436923.36	3763103.75	3.29E-08	1.04E-07	1.37E-07	5.12E-09	1.69E-08	2.21E-08	2.76E-09	7.86E-09	1.06E-08
8824	436919.67	3763094.86	3.35E-08	1.05E-07	1.39E-07	5.20E-09	1.72E-08	2.24E-08	2.80E-09	7.98E-09	1.08E-08
8825	436915.99	3763085.97	3.4E-08	1.07E-07	1.41E-07	5.28E-09	1.75E-08	2.28E-08	2.84E-09	8.11E-09	1.10E-08
8826	436912.3	3763077.08	3.45E-08	1.09E-07	1.43E-07	5.35E-09	1.77E-08	2.31E-08	2.88E-09	8.22E-09	1.11E-08
8827	436908.61	3763068.19	3.49E-08	1.10E-07	1.45E-07	5.43E-09	1.80E-08	2.34E-08	2.92E-09	8.34E-09	1.13E-08
8828	436904.92	3763059.3	3.54E-08	1.11E-07	1.47E-07	5.50E-09	1.82E-08	2.37E-08	2.96E-09	8.44E-09	1.14E-08
8829	436901.24	3763050.41	3.58E-08	1.13E-07	1.49E-07	5.56E-09	1.84E-08	2.40E-08	3.00E-09	8.54E-09	1.15E-08
8830	436897.55	3763041.52	3.62E-08	1.14E-07	1.50E-07	5.62E-09	1.86E-08	2.42E-08	3.03E-09	8.64E-09	1.17E-08
8831	436893.86	3763032.63	3.66E-08	1.15E-07	1.52E-07	5.68E-09	1.88E-08	2.45E-08	3.06E-09	8.72E-09	1.18E-08
8832	436890.17	3763023.74	3.69E-08	1.16E-07	1.53E-07	5.73E-09	1.90E-08	2.47E-08	3.09E-09	8.81E-09	1.19E-08
8833	436886.49	3763014.86	3.72E-08	1.17E-07	1.54E-07	5.78E-09	1.91E-08	2.49E-08	3.12E-09	8.88E-09	1.20E-08
8834	436882.8	3763005.97	3.75E-08	1.18E-07	1.56E-07	5.83E-09	1.93E-08	2.51E-08	3.14E-09	8.95E-09	1.21E-08
8835	436879.11	3762997.08	3.78E-08	1.19E-07	1.57E-07	5.87E-09	1.94E-08	2.53E-08	3.16E-09	9.01E-09	1.22E-08
8836	436875.42	3762988.19	3.8E-08	1.20E-07	1.58E-07	5.90E-09	1.95E-08	2.54E-08	3.18E-09	9.06E-09	1.22E-08
8837	436871.74	3762979.3	3.82E-08	1.20E-07	1.58E-07	5.93E-09	1.96E-08	2.56E-08	3.20E-09	9.11E-09	1.23E-08
8838	436868.05	3762970.41	3.83E-08	1.21E-07	1.59E-07	5.96E-09	1.97E-08	2.57E-08	3.21E-09	9.15E-09	1.24E-08
8839	436864.36	3762961.52	3.85E-08	1.21E-07	1.60E-07	5.98E-09	1.98E-08	2.58E-08	3.22E-09	9.18E-09	1.24E-08
8840	436860.67	3762952.63	3.86E-08	1.21E-07	1.60E-07	5.99E-09	1.98E-08	2.58E-08	3.23E-09	9.20E-09	1.24E-08
8841	436856.99	3762943.74	3.86E-08	1.22E-07	1.60E-07	6.00E-09	1.99E-08	2.59E-08	3.23E-09	9.22E-09	1.25E-08

8842	436853.3	3762934.85	3.87E-08	1.22E-07	1.60E-07	6.01E-09	1.99E-08	2.59E-08	3.24E-09	9.23E-09	1.25E-08
8843	436849.61	3762925.96	3.87E-08	1.22E-07	1.61E-07	6.01E-09	1.99E-08	2.59E-08	3.24E-09	9.23E-09	1.25E-08
8844	436845.92	3762917.07	3.87E-08	1.22E-07	1.60E-07	6.01E-09	1.99E-08	2.59E-08	3.24E-09	9.23E-09	1.25E-08
8845	436842.24	3762908.19	3.86E-08	1.22E-07	1.60E-07	6.00E-09	1.99E-08	2.59E-08	3.23E-09	9.22E-09	1.25E-08
8846	436838.55	3762899.3	3.86E-08	1.21E-07	1.60E-07	5.99E-09	1.98E-08	2.58E-08	3.23E-09	9.20E-09	1.24E-08
8847	437364.92	3763403.74	1.85E-08	5.83E-08	7.68E-08	2.88E-09	9.53E-09	1.24E-08	1.55E-09	4.42E-09	5.97E-09
8848	437374.57	3763403.72	1.86E-08	5.87E-08	7.73E-08	2.89E-09	9.58E-09	1.25E-08	1.56E-09	4.45E-09	6.01E-09
8849	437384.22	3763403.7	1.87E-08	5.89E-08	7.77E-08	2.91E-09	9.63E-09	1.25E-08	1.57E-09	4.47E-09	6.03E-09
8850	437393.87	3763403.68	1.88E-08	5.93E-08	7.81E-08	2.92E-09	9.68E-09	1.26E-08	1.58E-09	4.49E-09	6.07E-09
8851	437403.52	3763403.66	1.89E-08	5.96E-08	7.86E-08	2.94E-09	9.74E-09	1.27E-08	1.59E-09	4.52E-09	6.10E-09
8852	437413.17	3763403.64	1.91E-08	6.01E-08	7.92E-08	2.97E-09	9.82E-09	1.28E-08	1.60E-09	4.56E-09	6.15E-09
8853	437422.82	3763403.62	1.92E-08	6.06E-08	7.98E-08	2.99E-09	9.90E-09	1.29E-08	1.61E-09	4.59E-09	6.20E-09
8854	437432.47	3763403.6	1.94E-08	6.11E-08	8.05E-08	3.02E-09	9.99E-09	1.30E-08	1.62E-09	4.63E-09	6.26E-09
8855	437442.12	3763403.58	1.96E-08	6.18E-08	8.14E-08	3.05E-09	1.01E-08	1.31E-08	1.64E-09	4.68E-09	6.32E-09
8856	437451.77	3763403.56	1.99E-08	6.25E-08	8.24E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.74E-09	6.40E-09
8857	437461.42	3763403.54	2.01E-08	6.32E-08	8.33E-08	3.12E-09	1.03E-08	1.34E-08	1.68E-09	4.79E-09	6.47E-09
8858	437471.07	3763403.52	2.03E-08	6.38E-08	8.41E-08	3.15E-09	1.04E-08	1.36E-08	1.70E-09	4.84E-09	6.53E-09
8859	437480.73	3763403.5	2.05E-08	6.45E-08	8.50E-08	3.18E-09	1.05E-08	1.37E-08	1.71E-09	4.89E-09	6.60E-09
8860	437490.38	3763403.48	2.07E-08	6.51E-08	8.58E-08	3.21E-09	1.06E-08	1.39E-08	1.73E-09	4.94E-09	6.67E-09
8861	437500.03	3763403.46	2.09E-08	6.58E-08	8.67E-08	3.25E-09	1.07E-08	1.40E-08	1.75E-09	4.98E-09	6.73E-09
8862	437509.68	3763403.44	2.11E-08	6.64E-08	8.75E-08	3.28E-09	1.08E-08	1.41E-08	1.77E-09	5.03E-09	6.80E-09
8863	437519.33	3763403.42	2.13E-08	6.71E-08	8.83E-08	3.31E-09	1.10E-08	1.43E-08	1.78E-09	5.08E-09	6.86E-09
8864	437528.98	3763403.4	2.15E-08	6.76E-08	8.91E-08	3.34E-09	1.10E-08	1.44E-08	1.80E-09	5.12E-09	6.92E-09
8865	437538.63	3763403.38	2.17E-08	6.82E-08	8.98E-08	3.36E-09	1.11E-08	1.45E-08	1.81E-09	5.17E-09	6.98E-09
8866	437548.28	3763403.36	2.17E-08	6.85E-08	9.02E-08	3.38E-09	1.12E-08	1.46E-08	1.82E-09	5.19E-09	7.01E-09
8867	437356.2	3763430.12	1.7E-08	5.34E-08	7.03E-08	2.63E-09	8.72E-09	1.14E-08	1.42E-09	4.05E-09	5.47E-09
8868	437347.42	3763426.5	1.71E-08	5.37E-08	7.07E-08	2.65E-09	8.77E-09	1.14E-08	1.43E-09	4.07E-09	5.50E-09
8869	437338.65	3763422.88	1.72E-08	5.40E-08	7.12E-08	2.67E-09	8.83E-09	1.15E-08	1.44E-09	4.09E-09	5.53E-09
8870	437329.87	3763419.26	1.73E-08	5.43E-08	7.16E-08	2.68E-09	8.88E-09	1.16E-08	1.44E-09	4.12E-09	5.56E-09
8871	437321.09	3763415.64	1.74E-08	5.47E-08	7.21E-08	2.70E-09	8.94E-09	1.16E-08	1.45E-09	4.14E-09	5.60E-09
8872	437312.31	3763412.02	1.75E-08	5.51E-08	7.26E-08	2.72E-09	9.00E-09	1.17E-08	1.46E-09	4.17E-09	5.64E-09
8873	437303.53	3763408.4	1.76E-08	5.54E-08	7.30E-08	2.73E-09	9.05E-09	1.18E-08	1.47E-09	4.20E-09	5.67E-09
8874	437294.75	3763404.78	1.77E-08	5.57E-08	7.33E-08	2.75E-09	9.09E-09	1.18E-08	1.48E-09	4.22E-09	5.70E-09
8875	437285.97	3763401.16	1.78E-08	5.59E-08	7.37E-08	2.76E-09	9.13E-09	1.19E-08	1.49E-09	4.24E-09	5.72E-09
8876	437277.2	3763397.54	1.78E-08	5.60E-08	7.38E-08	2.77E-09	9.16E-09	1.19E-08	1.49E-09	4.25E-09	5.74E-09
8877	437268.42	3763393.92	1.78E-08	5.61E-08	7.39E-08	2.77E-09	9.16E-09	1.19E-08	1.49E-09	4.25E-09	5.74E-09
8878	437259.64	3763390.3	1.78E-08	5.61E-08	7.39E-08	2.77E-09	9.17E-09	1.19E-08	1.49E-09	4.25E-09	5.74E-09
8879	437250.86	3763386.68	1.79E-08	5.62E-08	7.41E-08	2.77E-09	9.19E-09	1.20E-08	1.49E-09	4.26E-09	5.76E-09
8880	437242.08	3763383.06	1.79E-08	5.65E-08	7.44E-08	2.79E-09	9.23E-09	1.20E-08	1.50E-09	4.28E-09	5.78E-09
8881	437233.3	3763379.44	1.8E-08	5.68E-08	7.48E-08	2.80E-09	9.28E-09	1.21E-08	1.51E-09	4.30E-09	5.81E-09
8882	437224.52	3763375.82	1.81E-08	5.72E-08	7.53E-08	2.82E-09	9.34E-09	1.22E-08	1.52E-09	4.33E-09	5.85E-09
8883	437215.75	3763372.19	1.83E-08	5.76E-08	7.58E-08	2.84E-09	9.40E-09	1.22E-08	1.53E-09	4.36E-09	5.89E-09
8884	437206.97	3763368.57	1.84E-08	5.80E-08	7.64E-08	2.86E-09	9.47E-09	1.23E-08	1.54E-09	4.39E-09	5.93E-09
8885	437198.19	3763364.95	1.85E-08	5.84E-08	7.69E-08	2.88E-09	9.53E-09	1.24E-08	1.55E-09	4.42E-09	5.97E-09
8886	437189.41	3763361.33	1.87E-08	5.88E-08	7.74E-08	2.90E-09	9.60E-09	1.25E-08	1.56E-09	4.45E-09	6.02E-09
8887	437145.52	3763343.23	1.94E-08	6.12E-08	8.07E-08	3.02E-09	1.00E-08	1.30E-08	1.63E-09	4.64E-09	6.27E-09
8888	437136.74	3763339.61	1.96E-08	6.17E-08	8.12E-08	3.04E-09	1.01E-08	1.31E-08	1.64E-09	4.67E-09	6.31E-09
8889	437127.96	3763335.99	1.97E-08	6.21E-08	8.18E-08	3.06E-09	1.01E-08	1.32E-08	1.65E-09	4.70E-09	6.35E-09
8890	437119.18	3763332.37	1.98E-08	6.24E-08	8.22E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.73E-09	6.39E-09
8891	437110.4	3763328.75	1.99E-08	6.28E-08	8.27E-08	3.10E-09	1.03E-08	1.34E-08	1.67E-09	4.76E-09	6.43E-09
8892	437101.62	3763325.13	2.01E-08	6.32E-08	8.33E-08	3.12E-09	1.03E-08	1.34E-08	1.68E-09	4.79E-09	6.47E-09
8893	437092.85	3763321.51	2.02E-08	6.37E-08	8.39E-08	3.14E-09	1.04E-08	1.35E-08	1.69E-09	4.83E-09	6.52E-09
8894	437084.07	3763317.89	2.04E-08	6.42E-08	8.46E-08	3.17E-09	1.05E-08	1.37E-08	1.71E-09	4.86E-09	6.57E-09
8895	437075.29	3763314.27	2.05E-08	6.47E-08	8.52E-08	3.19E-09	1.06E-08	1.38E-08	1.72E-09	4.90E-09	6.62E-09
8896	437066.51	3763310.65	2.07E-08	6.51E-08	8.57E-08	3.21E-09	1.06E-08	1.38E-08	1.73E-09	4.93E-09	6.66E-09
8897	437057.73	3763307.03	2.08E-08	6.54E-08	8.62E-08	3.23E-09	1.07E-08	1.39E-08	1.74E-09	4.96E-09	6.70E-09
8898	437048.95	3763303.41	2.09E-08	6.58E-08	8.67E-08	3.25E-09	1.08E-08	1.40E-08	1.75E-09	4.99E-09	6.74E-09
8899	437040.17	3763299.79	2.1E-08	6.62E-08	8.72E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.02E-09	6.78E-09
8900	437031.4	3763296.17	2.11E-08	6.65E-08	8.76E-08	3.28E-09	1.09E-08	1.41E-08	1.77E-09	5.04E-09	6.81E-09
8901	437022.62	3763292.55	2.12E-08	6.68E-08	8.80E-08	3.30E-09	1.09E-08	1.42E-08	1.78E-09	5.06E-09	6.84E-09
8902	437013.84	3763288.93	2.13E-08	6.71E-08	8.83E-08	3.31E-09	1.10E-08	1.43E-08	1.78E-09	5.08E-09	6.86E-09

8903	437005.06	3763285.31	2.13E-08	6.72E-08	8.85E-08	3.31E-09	1.10E-08	1.43E-08	1.79E-09	5.09E-09	6.88E-09
8904	436996.28	3763281.69	2.14E-08	6.73E-08	8.87E-08	3.32E-09	1.10E-08	1.43E-08	1.79E-09	5.10E-09	6.89E-09
8905	436987.5	3763278.07	2.14E-08	6.75E-08	8.89E-08	3.33E-09	1.10E-08	1.44E-08	1.79E-09	5.11E-09	6.91E-09
8906	436978.72	3763274.45	2.15E-08	6.77E-08	8.92E-08	3.34E-09	1.11E-08	1.44E-08	1.80E-09	5.13E-09	6.93E-09
8907	436969.95	3763270.83	2.15E-08	6.78E-08	8.93E-08	3.35E-09	1.11E-08	1.44E-08	1.80E-09	5.14E-09	6.94E-09
8908	436957.53	3763258.44	2.21E-08	6.95E-08	9.15E-08	3.43E-09	1.14E-08	1.48E-08	1.85E-09	5.27E-09	7.11E-09
8909	436953.89	3763249.67	2.25E-08	7.10E-08	9.35E-08	3.50E-09	1.16E-08	1.51E-08	1.89E-09	5.38E-09	7.26E-09
8910	436950.25	3763240.9	2.3E-08	7.25E-08	9.55E-08	3.58E-09	1.18E-08	1.54E-08	1.93E-09	5.49E-09	7.42E-09
8911	436946.61	3763232.12	2.35E-08	7.41E-08	9.76E-08	3.66E-09	1.21E-08	1.58E-08	1.97E-09	5.61E-09	7.58E-09
8912	436942.97	3763223.35	2.4E-08	7.57E-08	9.97E-08	3.73E-09	1.24E-08	1.61E-08	2.01E-09	5.74E-09	7.75E-09
8913	436939.34	3763214.58	2.45E-08	7.73E-08	1.02E-07	3.81E-09	1.26E-08	1.64E-08	2.05E-09	5.86E-09	7.91E-09
8914	436935.7	3763205.81	2.51E-08	7.89E-08	1.04E-07	3.89E-09	1.29E-08	1.68E-08	2.10E-09	5.98E-09	8.08E-09
8915	436932.06	3763197.04	2.56E-08	8.05E-08	1.06E-07	3.97E-09	1.32E-08	1.71E-08	2.14E-09	6.10E-09	8.24E-09
8916	436928.42	3763188.27	2.61E-08	8.21E-08	1.08E-07	4.05E-09	1.34E-08	1.75E-08	2.18E-09	6.22E-09	8.41E-09
8917	436924.78	3763179.5	2.66E-08	8.38E-08	1.10E-07	4.13E-09	1.37E-08	1.78E-08	2.23E-09	6.35E-09	8.57E-09
8918	436921.14	3763170.73	2.71E-08	8.54E-08	1.12E-07	4.21E-09	1.39E-08	1.82E-08	2.27E-09	6.47E-09	8.74E-09
8919	436917.51	3763161.96	2.77E-08	8.71E-08	1.15E-07	4.30E-09	1.42E-08	1.85E-08	2.32E-09	6.60E-09	8.92E-09
8920	436913.87	3763153.18	2.82E-08	8.87E-08	1.17E-07	4.38E-09	1.45E-08	1.89E-08	2.36E-09	6.72E-09	9.08E-09
8921	436910.23	3763144.41	2.87E-08	9.02E-08	1.19E-07	4.45E-09	1.47E-08	1.92E-08	2.40E-09	6.84E-09	9.24E-09
8922	436906.59	3763135.64	2.91E-08	9.18E-08	1.21E-07	4.53E-09	1.50E-08	1.95E-08	2.44E-09	6.96E-09	9.39E-09
8923	436902.95	3763126.87	2.96E-08	9.33E-08	1.23E-07	4.60E-09	1.52E-08	1.98E-08	2.48E-09	7.07E-09	9.55E-09
8924	436899.31	3763118.1	3.01E-08	9.48E-08	1.25E-07	4.68E-09	1.55E-08	2.02E-08	2.52E-09	7.18E-09	9.70E-09
8925	436895.68	3763109.33	3.05E-08	9.62E-08	1.27E-07	4.75E-09	1.57E-08	2.05E-08	2.56E-09	7.29E-09	9.85E-09
8926	436892.04	3763100.56	3.1E-08	9.76E-08	1.29E-07	4.81E-09	1.59E-08	2.08E-08	2.59E-09	7.39E-09	9.99E-09
8927	436888.4	3763091.79	3.14E-08	9.89E-08	1.30E-07	4.88E-09	1.62E-08	2.10E-08	2.63E-09	7.49E-09	1.01E-08
8928	436884.76	3763083.02	3.18E-08	1.00E-07	1.32E-07	4.94E-09	1.64E-08	2.13E-08	2.66E-09	7.59E-09	1.03E-08
8929	436881.12	3763074.25	3.22E-08	1.01E-07	1.34E-07	5.00E-09	1.66E-08	2.16E-08	2.69E-09	7.68E-09	1.04E-08
8930	436877.48	3763065.47	3.26E-08	1.03E-07	1.35E-07	5.06E-09	1.68E-08	2.18E-08	2.73E-09	7.77E-09	1.05E-08
8931	436873.85	3763056.7	3.29E-08	1.04E-07	1.37E-07	5.11E-09	1.69E-08	2.20E-08	2.75E-09	7.85E-09	1.06E-08
8932	436870.21	3763047.93	3.32E-08	1.05E-07	1.38E-07	5.17E-09	1.71E-08	2.23E-08	2.78E-09	7.93E-09	1.07E-08
8933	436866.57	3763039.16	3.36E-08	1.06E-07	1.39E-07	5.21E-09	1.73E-08	2.25E-08	2.81E-09	8.01E-09	1.08E-08
8934	436862.93	3763030.39	3.38E-08	1.07E-07	1.40E-07	5.26E-09	1.74E-08	2.27E-08	2.83E-09	8.07E-09	1.09E-08
8935	436859.29	3763021.62	3.41E-08	1.07E-07	1.41E-07	5.30E-09	1.75E-08	2.28E-08	2.85E-09	8.14E-09	1.10E-08
8936	436855.65	3763012.85	3.43E-08	1.08E-07	1.42E-07	5.33E-09	1.77E-08	2.30E-08	2.87E-09	8.19E-09	1.11E-08
8937	436852.01	3763004.08	3.45E-08	1.09E-07	1.43E-07	5.37E-09	1.78E-08	2.31E-08	2.89E-09	8.24E-09	1.11E-08
8938	436848.38	3762995.31	3.47E-08	1.09E-07	1.44E-07	5.40E-09	1.79E-08	2.33E-08	2.91E-09	8.29E-09	1.12E-08
8939	436844.74	3762986.53	3.49E-08	1.10E-07	1.45E-07	5.42E-09	1.79E-08	2.34E-08	2.92E-09	8.32E-09	1.12E-08
8940	436841.1	3762977.76	3.5E-08	1.10E-07	1.45E-07	5.44E-09	1.80E-08	2.35E-08	2.93E-09	8.36E-09	1.13E-08
8941	436837.46	3762968.99	3.51E-08	1.11E-07	1.46E-07	5.46E-09	1.81E-08	2.35E-08	2.94E-09	8.38E-09	1.13E-08
8942	436833.82	3762960.22	3.52E-08	1.11E-07	1.46E-07	5.47E-09	1.81E-08	2.36E-08	2.95E-09	8.40E-09	1.13E-08
8943	436830.18	3762951.45	3.53E-08	1.11E-07	1.46E-07	5.48E-09	1.81E-08	2.36E-08	2.95E-09	8.41E-09	1.14E-08
8944	436826.55	3762942.68	3.53E-08	1.11E-07	1.46E-07	5.48E-09	1.82E-08	2.36E-08	2.95E-09	8.42E-09	1.14E-08
8945	436822.91	3762933.91	3.53E-08	1.11E-07	1.47E-07	5.49E-09	1.82E-08	2.37E-08	2.96E-09	8.43E-09	1.14E-08
8946	436819.27	3762925.14	3.53E-08	1.11E-07	1.46E-07	5.49E-09	1.82E-08	2.36E-08	2.95E-09	8.42E-09	1.14E-08
8947	436815.63	3762916.37	3.53E-08	1.11E-07	1.46E-07	5.48E-09	1.81E-08	2.36E-08	2.95E-09	8.42E-09	1.14E-08
8948	436811.99	3762907.6	3.52E-08	1.11E-07	1.46E-07	5.47E-09	1.81E-08	2.36E-08	2.95E-09	8.41E-09	1.14E-08
8949	437364.98	3763433.74	1.69E-08	5.31E-08	7.00E-08	2.62E-09	8.68E-09	1.13E-08	1.41E-09	4.02E-09	5.44E-09
8950	437374.63	3763433.72	1.7E-08	5.34E-08	7.04E-08	2.64E-09	8.73E-09	1.14E-08	1.42E-09	4.05E-09	5.47E-09
8951	437384.28	3763433.7	1.71E-08	5.38E-08	7.08E-08	2.65E-09	8.78E-09	1.14E-08	1.43E-09	4.07E-09	5.50E-09
8952	437393.93	3763433.68	1.72E-08	5.41E-08	7.13E-08	2.67E-09	8.84E-09	1.15E-08	1.44E-09	4.10E-09	5.54E-09
8953	437403.58	3763433.66	1.73E-08	5.45E-08	7.17E-08	2.69E-09	8.90E-09	1.16E-08	1.45E-09	4.13E-09	5.57E-09
8954	437413.23	3763433.64	1.74E-08	5.48E-08	7.23E-08	2.71E-09	8.96E-09	1.17E-08	1.46E-09	4.16E-09	5.61E-09
8955	437422.88	3763433.62	1.75E-08	5.52E-08	7.28E-08	2.72E-09	9.02E-09	1.17E-08	1.47E-09	4.18E-09	5.65E-09
8956	437432.53	3763433.6	1.77E-08	5.56E-08	7.32E-08	2.74E-09	9.08E-09	1.18E-08	1.48E-09	4.21E-09	5.69E-09
8957	437442.19	3763433.58	1.78E-08	5.59E-08	7.37E-08	2.76E-09	9.14E-09	1.19E-08	1.49E-09	4.24E-09	5.72E-09
8958	437451.84	3763433.56	1.79E-08	5.63E-08	7.42E-08	2.78E-09	9.19E-09	1.20E-08	1.50E-09	4.26E-09	5.76E-09
8959	437461.49	3763433.54	1.8E-08	5.66E-08	7.46E-08	2.79E-09	9.25E-09	1.20E-08	1.51E-09	4.29E-09	5.80E-09
8960	437471.14	3763433.52	1.82E-08	5.72E-08	7.54E-08	2.82E-09	9.35E-09	1.22E-08	1.52E-09	4.33E-09	5.86E-09
8961	437480.79	3763433.5	1.84E-08	5.78E-08	7.61E-08	2.85E-09	9.44E-09	1.23E-08	1.54E-09	4.38E-09	5.92E-09
8962	437490.44	3763433.48	1.85E-08	5.84E-08	7.69E-08	2.88E-09	9.54E-09	1.24E-08	1.55E-09	4.42E-09	5.97E-09
8963	437500.09	3763433.46	1.87E-08	5.89E-08	7.76E-08	2.91E-09	9.62E-09	1.25E-08	1.56E-09	4.46E-09	6.03E-09

8964	437509.74	3763433.44	1.89E-08	5.94E-08	7.83E-08	2.93E-09	9.70E-09	1.26E-08	1.58E-09	4.50E-09	6.08E-09
8965	437519.39	3763433.42	1.9E-08	5.99E-08	7.90E-08	2.96E-09	9.79E-09	1.27E-08	1.59E-09	4.54E-09	6.13E-09
8966	437529.04	3763433.4	1.92E-08	6.03E-08	7.95E-08	2.98E-09	9.86E-09	1.28E-08	1.60E-09	4.57E-09	6.18E-09
8967	437538.69	3763433.38	1.93E-08	6.08E-08	8.01E-08	3.00E-09	9.93E-09	1.29E-08	1.62E-09	4.61E-09	6.22E-09
8968	437548.34	3763433.36	1.94E-08	6.12E-08	8.06E-08	3.02E-09	1.00E-08	1.30E-08	1.63E-09	4.64E-09	6.26E-09
8969	437356.19	3763460.09	1.55E-08	4.87E-08	6.42E-08	2.40E-09	7.95E-09	1.04E-08	1.29E-09	3.69E-09	4.98E-09
8970	437347.33	3763456.43	1.55E-08	4.89E-08	6.44E-08	2.41E-09	7.99E-09	1.04E-08	1.30E-09	3.70E-09	5.00E-09
8971	437338.48	3763452.78	1.56E-08	4.91E-08	6.47E-08	2.42E-09	8.03E-09	1.05E-08	1.31E-09	3.72E-09	5.03E-09
8972	437329.62	3763449.13	1.57E-08	4.95E-08	6.52E-08	2.44E-09	8.08E-09	1.05E-08	1.32E-09	3.75E-09	5.07E-09
8973	437320.77	3763445.48	1.58E-08	4.99E-08	6.57E-08	2.46E-09	8.14E-09	1.06E-08	1.33E-09	3.78E-09	5.10E-09
8974	437311.91	3763441.83	1.6E-08	5.02E-08	6.62E-08	2.48E-09	8.21E-09	1.07E-08	1.34E-09	3.81E-09	5.14E-09
8975	437303.05	3763438.17	1.61E-08	5.06E-08	6.67E-08	2.50E-09	8.27E-09	1.08E-08	1.35E-09	3.84E-09	5.18E-09
8976	437294.2	3763434.52	1.62E-08	5.09E-08	6.70E-08	2.51E-09	8.31E-09	1.08E-08	1.35E-09	3.85E-09	5.21E-09
8977	437285.34	3763430.87	1.62E-08	5.11E-08	6.73E-08	2.52E-09	8.35E-09	1.09E-08	1.36E-09	3.87E-09	5.23E-09
8978	437276.49	3763427.22	1.63E-08	5.14E-08	6.77E-08	2.53E-09	8.39E-09	1.09E-08	1.37E-09	3.89E-09	5.26E-09
8979	437267.63	3763423.57	1.64E-08	5.16E-08	6.80E-08	2.55E-09	8.43E-09	1.10E-08	1.37E-09	3.91E-09	5.28E-09
8980	437258.78	3763419.91	1.64E-08	5.17E-08	6.81E-08	2.55E-09	8.45E-09	1.10E-08	1.37E-09	3.92E-09	5.29E-09
8981	437249.92	3763416.26	1.64E-08	5.18E-08	6.82E-08	2.56E-09	8.46E-09	1.10E-08	1.38E-09	3.92E-09	5.30E-09
8982	437241.07	3763412.61	1.65E-08	5.18E-08	6.83E-08	2.56E-09	8.47E-09	1.10E-08	1.38E-09	3.93E-09	5.31E-09
8983	437232.21	3763408.96	1.65E-08	5.19E-08	6.84E-08	2.56E-09	8.49E-09	1.10E-08	1.38E-09	3.94E-09	5.32E-09
8984	437223.35	3763405.31	1.65E-08	5.21E-08	6.86E-08	2.57E-09	8.51E-09	1.11E-08	1.38E-09	3.95E-09	5.33E-09
8985	437214.5	3763401.65	1.66E-08	5.23E-08	6.90E-08	2.58E-09	8.55E-09	1.11E-08	1.39E-09	3.97E-09	5.36E-09
8986	437205.64	3763398	1.67E-08	5.26E-08	6.93E-08	2.60E-09	8.60E-09	1.12E-08	1.40E-09	3.99E-09	5.39E-09
8987	437196.79	3763394.35	1.68E-08	5.30E-08	6.98E-08	2.61E-09	8.65E-09	1.13E-08	1.41E-09	4.01E-09	5.42E-09
8988	437187.93	3763390.7	1.69E-08	5.33E-08	7.02E-08	2.63E-09	8.71E-09	1.13E-08	1.42E-09	4.04E-09	5.46E-09
8989	437143.65	3763372.44	1.76E-08	5.54E-08	7.29E-08	2.73E-09	9.04E-09	1.18E-08	1.47E-09	4.20E-09	5.67E-09
8990	437134.8	3763368.79	1.77E-08	5.58E-08	7.35E-08	2.75E-09	9.11E-09	1.19E-08	1.48E-09	4.23E-09	5.71E-09
8991	437125.94	3763365.14	1.78E-08	5.62E-08	7.40E-08	2.77E-09	9.18E-09	1.19E-08	1.49E-09	4.26E-09	5.75E-09
8992	437117.09	3763361.48	1.79E-08	5.65E-08	7.45E-08	2.79E-09	9.23E-09	1.20E-08	1.50E-09	4.28E-09	5.78E-09
8993	437108.23	3763357.83	1.8E-08	5.68E-08	7.49E-08	2.80E-09	9.28E-09	1.21E-08	1.51E-09	4.31E-09	5.82E-09
8994	437099.38	3763354.18	1.81E-08	5.71E-08	7.53E-08	2.82E-09	9.34E-09	1.22E-08	1.52E-09	4.33E-09	5.85E-09
8995	437090.52	3763350.53	1.83E-08	5.76E-08	7.59E-08	2.84E-09	9.41E-09	1.22E-08	1.53E-09	4.36E-09	5.89E-09
8996	437081.67	3763346.88	1.84E-08	5.80E-08	7.65E-08	2.86E-09	9.48E-09	1.23E-08	1.54E-09	4.40E-09	5.94E-09
8997	437072.81	3763343.22	1.86E-08	5.85E-08	7.71E-08	2.89E-09	9.56E-09	1.24E-08	1.56E-09	4.43E-09	5.99E-09
8998	437063.95	3763339.57	1.87E-08	5.89E-08	7.77E-08	2.91E-09	9.63E-09	1.25E-08	1.57E-09	4.47E-09	6.03E-09
8999	437055.1	3763335.92	1.88E-08	5.93E-08	7.82E-08	2.93E-09	9.69E-09	1.26E-08	1.58E-09	4.50E-09	6.07E-09
9000	437046.24	3763332.27	1.9E-08	5.97E-08	7.86E-08	2.94E-09	9.75E-09	1.27E-08	1.59E-09	4.52E-09	6.11E-09
9001	437037.39	3763328.62	1.9E-08	6.00E-08	7.90E-08	2.96E-09	9.80E-09	1.28E-08	1.59E-09	4.55E-09	6.14E-09
9002	437028.53	3763324.96	1.91E-08	6.03E-08	7.94E-08	2.97E-09	9.84E-09	1.28E-08	1.60E-09	4.57E-09	6.17E-09
9003	437019.68	3763321.31	1.92E-08	6.05E-08	7.97E-08	2.98E-09	9.88E-09	1.29E-08	1.61E-09	4.58E-09	6.19E-09
9004	437010.82	3763317.66	1.93E-08	6.08E-08	8.01E-08	3.00E-09	9.93E-09	1.29E-08	1.61E-09	4.60E-09	6.22E-09
9005	437001.96	3763314.01	1.94E-08	6.10E-08	8.04E-08	3.01E-09	9.96E-09	1.30E-08	1.62E-09	4.62E-09	6.24E-09
9006	436993.11	3763310.36	1.94E-08	6.12E-08	8.06E-08	3.02E-09	9.99E-09	1.30E-08	1.63E-09	4.64E-09	6.26E-09
9007	436984.25	3763306.7	1.95E-08	6.13E-08	8.08E-08	3.03E-09	1.00E-08	1.30E-08	1.63E-09	4.65E-09	6.28E-09
9008	436975.4	3763303.05	1.95E-08	6.14E-08	8.09E-08	3.03E-09	1.00E-08	1.31E-08	1.63E-09	4.66E-09	6.29E-09
9009	436966.54	3763299.4	1.95E-08	6.16E-08	8.11E-08	3.04E-09	1.01E-08	1.31E-08	1.64E-09	4.66E-09	6.30E-09
9010	436957.69	3763295.75	1.96E-08	6.17E-08	8.13E-08	3.04E-09	1.01E-08	1.31E-08	1.64E-09	4.67E-09	6.31E-09
9011	436948.83	3763292.1	1.96E-08	6.18E-08	8.14E-08	3.05E-09	1.01E-08	1.31E-08	1.64E-09	4.68E-09	6.33E-09
9012	436936.31	3763279.6	2.01E-08	6.32E-08	8.33E-08	3.12E-09	1.03E-08	1.34E-08	1.68E-09	4.79E-09	6.47E-09
9013	436932.64	3763270.75	2.05E-08	6.47E-08	8.52E-08	3.19E-09	1.06E-08	1.38E-08	1.72E-09	4.90E-09	6.62E-09
9014	436928.96	3763261.9	2.1E-08	6.61E-08	8.71E-08	3.26E-09	1.08E-08	1.41E-08	1.76E-09	5.01E-09	6.76E-09
9015	436925.29	3763253.05	2.14E-08	6.75E-08	8.90E-08	3.33E-09	1.10E-08	1.44E-08	1.80E-09	5.12E-09	6.91E-09
9016	436921.62	3763244.2	2.19E-08	6.90E-08	9.09E-08	3.41E-09	1.13E-08	1.47E-08	1.83E-09	5.23E-09	7.06E-09
9017	436917.95	3763235.36	2.24E-08	7.05E-08	9.29E-08	3.48E-09	1.15E-08	1.50E-08	1.87E-09	5.34E-09	7.22E-09
9018	436914.28	3763226.51	2.29E-08	7.20E-08	9.48E-08	3.55E-09	1.18E-08	1.53E-08	1.91E-09	5.46E-09	7.37E-09
9019	436910.61	3763217.66	2.33E-08	7.34E-08	9.67E-08	3.62E-09	1.20E-08	1.56E-08	1.95E-09	5.56E-09	7.51E-09
9020	436906.94	3763208.81	2.38E-08	7.49E-08	9.87E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.67E-09	7.66E-09
9021	436903.27	3763199.96	2.42E-08	7.64E-08	1.01E-07	3.77E-09	1.25E-08	1.62E-08	2.03E-09	5.79E-09	7.82E-09
9022	436899.6	3763191.12	2.47E-08	7.78E-08	1.02E-07	3.84E-09	1.27E-08	1.65E-08	2.07E-09	5.89E-09	7.96E-09
9023	436895.93	3763182.27	2.51E-08	7.92E-08	1.04E-07	3.91E-09	1.29E-08	1.68E-08	2.10E-09	6.00E-09	8.11E-09
9024	436892.26	3763173.42	2.56E-08	8.06E-08	1.06E-07	3.98E-09	1.32E-08	1.71E-08	2.14E-09	6.11E-09	8.25E-09

9025	436888.59	3763164.57	2.61E-08	8.21E-08	1.08E-07	4.05E-09	1.34E-08	1.75E-08	2.18E-09	6.22E-09	8.40E-09
9026	436884.92	3763155.72	2.65E-08	8.35E-08	1.10E-07	4.12E-09	1.36E-08	1.78E-08	2.22E-09	6.33E-09	8.54E-09
9027	436881.25	3763146.88	2.69E-08	8.48E-08	1.12E-07	4.19E-09	1.39E-08	1.80E-08	2.25E-09	6.43E-09	8.68E-09
9028	436877.58	3763138.03	2.74E-08	8.61E-08	1.13E-07	4.25E-09	1.41E-08	1.83E-08	2.29E-09	6.53E-09	8.82E-09
9029	436873.91	3763129.18	2.78E-08	8.74E-08	1.15E-07	4.31E-09	1.43E-08	1.86E-08	2.32E-09	6.62E-09	8.95E-09
9030	436870.24	3763120.33	2.82E-08	8.87E-08	1.17E-07	4.38E-09	1.45E-08	1.89E-08	2.36E-09	6.72E-09	9.08E-09
9031	436866.57	3763111.48	2.85E-08	8.99E-08	1.18E-07	4.44E-09	1.47E-08	1.91E-08	2.39E-09	6.81E-09	9.20E-09
9032	436862.9	3763102.64	2.89E-08	9.11E-08	1.20E-07	4.49E-09	1.49E-08	1.94E-08	2.42E-09	6.90E-09	9.32E-09
9033	436859.23	3763093.79	2.93E-08	9.22E-08	1.21E-07	4.55E-09	1.51E-08	1.96E-08	2.45E-09	6.98E-09	9.43E-09
9034	436855.56	3763084.94	2.96E-08	9.32E-08	1.23E-07	4.60E-09	1.52E-08	1.98E-08	2.48E-09	7.06E-09	9.54E-09
9035	436851.89	3763076.09	2.99E-08	9.42E-08	1.24E-07	4.65E-09	1.54E-08	2.00E-08	2.50E-09	7.14E-09	9.65E-09
9036	436848.22	3763067.24	3.02E-08	9.52E-08	1.25E-07	4.70E-09	1.56E-08	2.03E-08	2.53E-09	7.22E-09	9.75E-09
9037	436844.55	3763058.4	3.05E-08	9.61E-08	1.27E-07	4.74E-09	1.57E-08	2.04E-08	2.56E-09	7.28E-09	9.84E-09
9038	436840.88	3763049.55	3.08E-08	9.70E-08	1.28E-07	4.79E-09	1.58E-08	2.06E-08	2.58E-09	7.35E-09	9.93E-09
9039	436837.21	3763040.7	3.1E-08	9.78E-08	1.29E-07	4.82E-09	1.60E-08	2.08E-08	2.60E-09	7.41E-09	1.00E-08
9040	436833.54	3763031.85	3.13E-08	9.85E-08	1.30E-07	4.86E-09	1.61E-08	2.09E-08	2.62E-09	7.46E-09	1.01E-08
9041	436829.87	3763023	3.15E-08	9.91E-08	1.31E-07	4.89E-09	1.62E-08	2.11E-08	2.63E-09	7.51E-09	1.01E-08
9042	436826.2	3763014.16	3.17E-08	9.97E-08	1.31E-07	4.92E-09	1.63E-08	2.12E-08	2.65E-09	7.55E-09	1.02E-08
9043	436822.53	3763005.31	3.18E-08	1.00E-07	1.32E-07	4.94E-09	1.64E-08	2.13E-08	2.66E-09	7.59E-09	1.03E-08
9044	436818.85	3762996.46	3.2E-08	1.01E-07	1.33E-07	4.97E-09	1.64E-08	2.14E-08	2.68E-09	7.63E-09	1.03E-08
9045	436815.18	3762987.61	3.21E-08	1.01E-07	1.33E-07	4.99E-09	1.65E-08	2.15E-08	2.69E-09	7.66E-09	1.03E-08
9046	436811.51	3762978.76	3.22E-08	1.01E-07	1.34E-07	5.00E-09	1.66E-08	2.16E-08	2.69E-09	7.68E-09	1.04E-08
9047	436807.84	3762969.92	3.23E-08	1.02E-07	1.34E-07	5.01E-09	1.66E-08	2.16E-08	2.70E-09	7.70E-09	1.04E-08
9048	436804.17	3762961.07	3.23E-08	1.02E-07	1.34E-07	5.02E-09	1.66E-08	2.17E-08	2.71E-09	7.71E-09	1.04E-08
9049	436800.5	3762952.22	3.24E-08	1.02E-07	1.34E-07	5.03E-09	1.66E-08	2.17E-08	2.71E-09	7.72E-09	1.04E-08
9050	436796.83	3762943.37	3.24E-08	1.02E-07	1.34E-07	5.03E-09	1.67E-08	2.17E-08	2.71E-09	7.73E-09	1.04E-08
9051	436793.16	3762934.52	3.24E-08	1.02E-07	1.34E-07	5.03E-09	1.67E-08	2.17E-08	2.71E-09	7.72E-09	1.04E-08
9052	436789.49	3762925.68	3.24E-08	1.02E-07	1.34E-07	5.03E-09	1.66E-08	2.17E-08	2.71E-09	7.72E-09	1.04E-08
9053	436785.82	3762916.83	3.23E-08	1.02E-07	1.34E-07	5.02E-09	1.66E-08	2.16E-08	2.70E-09	7.71E-09	1.04E-08
9054	436782.15	3762907.98	3.23E-08	1.02E-07	1.34E-07	5.01E-09	1.66E-08	2.16E-08	2.70E-09	7.70E-09	1.04E-08
9055	437365.04	3763463.74	1.54E-08	4.86E-08	6.40E-08	2.40E-09	7.93E-09	1.03E-08	1.29E-09	3.68E-09	4.97E-09
9056	437374.69	3763463.72	1.55E-08	4.90E-08	6.45E-08	2.42E-09	8.00E-09	1.04E-08	1.30E-09	3.71E-09	5.01E-09
9057	437384.34	3763463.7	1.57E-08	4.93E-08	6.50E-08	2.43E-09	8.06E-09	1.05E-08	1.31E-09	3.74E-09	5.05E-09
9058	437394	3763463.68	1.58E-08	4.97E-08	6.55E-08	2.45E-09	8.12E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09
9059	437403.65	3763463.66	1.59E-08	5.01E-08	6.59E-08	2.47E-09	8.18E-09	1.06E-08	1.33E-09	3.79E-09	5.12E-09
9060	437413.3	3763463.64	1.6E-08	5.03E-08	6.63E-08	2.48E-09	8.22E-09	1.07E-08	1.34E-09	3.81E-09	5.15E-09
9061	437422.95	3763463.62	1.61E-08	5.06E-08	6.67E-08	2.50E-09	8.26E-09	1.08E-08	1.34E-09	3.83E-09	5.18E-09
9062	437432.6	3763463.6	1.61E-08	5.08E-08	6.70E-08	2.51E-09	8.30E-09	1.08E-08	1.35E-09	3.85E-09	5.20E-09
9063	437442.25	3763463.58	1.62E-08	5.10E-08	6.72E-08	2.52E-09	8.33E-09	1.08E-08	1.36E-09	3.86E-09	5.22E-09
9064	437451.9	3763463.56	1.62E-08	5.12E-08	6.74E-08	2.52E-09	8.36E-09	1.09E-08	1.36E-09	3.88E-09	5.24E-09
9065	437461.55	3763463.54	1.63E-08	5.14E-08	6.77E-08	2.53E-09	8.39E-09	1.09E-08	1.37E-09	3.89E-09	5.26E-09
9066	437471.2	3763463.52	1.64E-08	5.18E-08	6.82E-08	2.56E-09	8.46E-09	1.10E-08	1.38E-09	3.92E-09	5.30E-09
9067	437480.85	3763463.5	1.66E-08	5.22E-08	6.88E-08	2.58E-09	8.53E-09	1.11E-08	1.39E-09	3.96E-09	5.34E-09
9068	437490.5	3763463.48	1.67E-08	5.26E-08	6.94E-08	2.60E-09	8.60E-09	1.12E-08	1.40E-09	3.99E-09	5.39E-09
9069	437500.15	3763463.46	1.69E-08	5.31E-08	6.99E-08	2.62E-09	8.67E-09	1.13E-08	1.41E-09	4.02E-09	5.43E-09
9070	437509.8	3763463.44	1.7E-08	5.35E-08	7.05E-08	2.64E-09	8.74E-09	1.14E-08	1.42E-09	4.05E-09	5.47E-09
9071	437519.45	3763463.42	1.71E-08	5.39E-08	7.11E-08	2.66E-09	8.81E-09	1.15E-08	1.43E-09	4.09E-09	5.52E-09
9072	437529.1	3763463.4	1.73E-08	5.43E-08	7.16E-08	2.68E-09	8.88E-09	1.16E-08	1.44E-09	4.12E-09	5.56E-09
9073	437538.75	3763463.38	1.74E-08	5.48E-08	7.22E-08	2.70E-09	8.95E-09	1.17E-08	1.46E-09	4.15E-09	5.61E-09
9074	437548.4	3763463.36	1.75E-08	5.52E-08	7.28E-08	2.72E-09	9.02E-09	1.17E-08	1.47E-09	4.18E-09	5.65E-09
9075	437356.24	3763500.07	1.37E-08	4.31E-08	5.68E-08	2.13E-09	7.04E-09	9.17E-09	1.15E-09	3.27E-09	4.41E-09
9076	437347.35	3763496.41	1.37E-08	4.33E-08	5.70E-08	2.14E-09	7.07E-09	9.20E-09	1.15E-09	3.28E-09	4.43E-09
9077	437338.46	3763492.74	1.38E-08	4.34E-08	5.72E-08	2.14E-09	7.10E-09	9.24E-09	1.15E-09	3.29E-09	4.45E-09
9078	437329.57	3763489.07	1.38E-08	4.36E-08	5.75E-08	2.15E-09	7.13E-09	9.28E-09	1.16E-09	3.30E-09	4.46E-09
9079	437320.67	3763485.41	1.39E-08	4.38E-08	5.78E-08	2.16E-09	7.16E-09	9.33E-09	1.17E-09	3.32E-09	4.49E-09
9080	437311.78	3763481.74	1.4E-08	4.41E-08	5.81E-08	2.18E-09	7.21E-09	9.39E-09	1.17E-09	3.34E-09	4.52E-09
9081	437302.89	3763478.07	1.41E-08	4.44E-08	5.85E-08	2.19E-09	7.26E-09	9.45E-09	1.18E-09	3.37E-09	4.55E-09
9082	437294	3763474.41	1.42E-08	4.48E-08	5.90E-08	2.21E-09	7.31E-09	9.52E-09	1.19E-09	3.39E-09	4.58E-09
9083	437285.11	3763470.74	1.43E-08	4.51E-08	5.95E-08	2.23E-09	7.37E-09	9.60E-09	1.20E-09	3.42E-09	4.62E-09
9084	437276.22	3763467.08	1.44E-08	4.54E-08	5.98E-08	2.24E-09	7.41E-09	9.65E-09	1.21E-09	3.44E-09	4.64E-09
9085	437267.33	3763463.41	1.45E-08	4.55E-08	6.00E-08	2.25E-09	7.44E-09	9.68E-09	1.21E-09	3.45E-09	4.66E-09

9086	437258.44	3763459.74	1.45E-08	4.57E-08	6.02E-08	2.25E-09	7.46E-09	9.72E-09	1.21E-09	3.46E-09	4.68E-09
9087	437249.55	3763456.08	1.46E-08	4.59E-08	6.04E-08	2.26E-09	7.49E-09	9.76E-09	1.22E-09	3.48E-09	4.70E-09
9088	437240.66	3763452.41	1.46E-08	4.59E-08	6.05E-08	2.27E-09	7.50E-09	9.77E-09	1.22E-09	3.48E-09	4.70E-09
9089	437231.77	3763448.74	1.46E-08	4.60E-08	6.06E-08	2.27E-09	7.51E-09	9.78E-09	1.22E-09	3.48E-09	4.71E-09
9090	437222.88	3763445.08	1.46E-08	4.61E-08	6.07E-08	2.27E-09	7.52E-09	9.80E-09	1.22E-09	3.49E-09	4.71E-09
9091	437213.99	3763441.41	1.46E-08	4.58E-08	6.04E-08	2.26E-09	7.49E-09	9.75E-09	1.22E-09	3.47E-09	4.69E-09
9092	437205.1	3763437.75	1.46E-08	4.60E-08	6.07E-08	2.27E-09	7.52E-09	9.79E-09	1.22E-09	3.49E-09	4.71E-09
9093	437196.21	3763434.08	1.47E-08	4.62E-08	6.09E-08	2.28E-09	7.55E-09	9.84E-09	1.23E-09	3.50E-09	4.73E-09
9094	437187.32	3763430.41	1.48E-08	4.65E-08	6.13E-08	2.29E-09	7.60E-09	9.89E-09	1.24E-09	3.52E-09	4.76E-09
9095	437142.87	3763412.08	1.55E-08	4.87E-08	6.42E-08	2.40E-09	7.96E-09	1.04E-08	1.29E-09	3.69E-09	4.99E-09
9096	437133.98	3763408.41	1.56E-08	4.91E-08	6.46E-08	2.42E-09	8.01E-09	1.04E-08	1.30E-09	3.72E-09	5.02E-09
9097	437125.09	3763404.75	1.57E-08	4.94E-08	6.51E-08	2.44E-09	8.07E-09	1.05E-08	1.31E-09	3.74E-09	5.06E-09
9098	437116.2	3763401.08	1.58E-08	4.98E-08	6.56E-08	2.46E-09	8.13E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09
9099	437107.31	3763397.42	1.59E-08	5.01E-08	6.60E-08	2.47E-09	8.19E-09	1.07E-08	1.33E-09	3.80E-09	5.13E-09
9100	437098.42	3763393.75	1.6E-08	5.05E-08	6.65E-08	2.49E-09	8.24E-09	1.07E-08	1.34E-09	3.82E-09	5.17E-09
9101	437089.53	3763390.08	1.61E-08	5.08E-08	6.69E-08	2.51E-09	8.30E-09	1.08E-08	1.35E-09	3.85E-09	5.20E-09
9102	437080.64	3763386.42	1.62E-08	5.11E-08	6.74E-08	2.52E-09	8.36E-09	1.09E-08	1.36E-09	3.88E-09	5.24E-09
9103	437071.75	3763382.75	1.63E-08	5.15E-08	6.78E-08	2.54E-09	8.41E-09	1.10E-08	1.37E-09	3.90E-09	5.27E-09
9104	437062.86	3763379.08	1.65E-08	5.19E-08	6.84E-08	2.56E-09	8.48E-09	1.10E-08	1.38E-09	3.93E-09	5.31E-09
9105	437053.97	3763375.42	1.66E-08	5.23E-08	6.89E-08	2.58E-09	8.54E-09	1.11E-08	1.39E-09	3.96E-09	5.35E-09
9106	437045.08	3763371.75	1.67E-08	5.27E-08	6.94E-08	2.60E-09	8.61E-09	1.12E-08	1.40E-09	3.99E-09	5.39E-09
9107	437036.19	3763368.09	1.68E-08	5.30E-08	6.99E-08	2.62E-09	8.67E-09	1.13E-08	1.41E-09	4.02E-09	5.43E-09
9108	437027.29	3763364.42	1.69E-08	5.34E-08	7.03E-08	2.63E-09	8.72E-09	1.14E-08	1.42E-09	4.04E-09	5.46E-09
9109	437018.4	3763360.75	1.7E-08	5.37E-08	7.07E-08	2.65E-09	8.77E-09	1.14E-08	1.43E-09	4.07E-09	5.49E-09
9110	437009.51	3763357.09	1.71E-08	5.39E-08	7.11E-08	2.66E-09	8.81E-09	1.15E-08	1.43E-09	4.09E-09	5.52E-09
9111	437000.62	3763353.42	1.72E-08	5.43E-08	7.15E-08	2.68E-09	8.86E-09	1.15E-08	1.44E-09	4.11E-09	5.55E-09
9112	436991.73	3763349.75	1.73E-08	5.46E-08	7.19E-08	2.69E-09	8.91E-09	1.16E-08	1.45E-09	4.13E-09	5.58E-09
9113	436982.84	3763346.09	1.74E-08	5.48E-08	7.22E-08	2.70E-09	8.96E-09	1.17E-08	1.46E-09	4.15E-09	5.61E-09
9114	436973.95	3763342.42	1.75E-08	5.50E-08	7.25E-08	2.71E-09	8.99E-09	1.17E-08	1.46E-09	4.17E-09	5.63E-09
9115	436965.06	3763338.75	1.75E-08	5.52E-08	7.27E-08	2.72E-09	9.01E-09	1.17E-08	1.47E-09	4.18E-09	5.65E-09
9116	436956.17	3763335.09	1.75E-08	5.52E-08	7.28E-08	2.73E-09	9.02E-09	1.17E-08	1.47E-09	4.19E-09	5.65E-09
9117	436947.28	3763331.42	1.76E-08	5.53E-08	7.28E-08	2.73E-09	9.03E-09	1.18E-08	1.47E-09	4.19E-09	5.66E-09
9118	436938.39	3763327.76	1.76E-08	5.54E-08	7.29E-08	2.73E-09	9.04E-09	1.18E-08	1.47E-09	4.20E-09	5.67E-09
9119	436929.5	3763324.09	1.76E-08	5.55E-08	7.31E-08	2.74E-09	9.06E-09	1.18E-08	1.47E-09	4.20E-09	5.68E-09
9120	436920.61	3763320.42	1.76E-08	5.56E-08	7.32E-08	2.74E-09	9.08E-09	1.18E-08	1.48E-09	4.21E-09	5.69E-09
9121	436908.04	3763307.87	1.8E-08	5.66E-08	7.46E-08	2.79E-09	9.25E-09	1.20E-08	1.50E-09	4.29E-09	5.79E-09
9122	436904.35	3763298.99	1.83E-08	5.77E-08	7.60E-08	2.85E-09	9.42E-09	1.23E-08	1.53E-09	4.37E-09	5.90E-09
9123	436900.67	3763290.11	1.87E-08	5.88E-08	7.75E-08	2.90E-09	9.61E-09	1.25E-08	1.56E-09	4.46E-09	6.02E-09
9124	436896.98	3763281.23	1.91E-08	6.00E-08	7.91E-08	2.96E-09	9.80E-09	1.28E-08	1.60E-09	4.55E-09	6.14E-09
9125	436893.3	3763272.34	1.94E-08	6.12E-08	8.06E-08	3.02E-09	1.00E-08	1.30E-08	1.63E-09	4.64E-09	6.26E-09
9126	436889.61	3763263.46	1.98E-08	6.24E-08	8.22E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.73E-09	6.39E-09
9127	436885.93	3763254.58	2.02E-08	6.36E-08	8.39E-08	3.14E-09	1.04E-08	1.35E-08	1.69E-09	4.82E-09	6.51E-09
9128	436882.24	3763245.7	2.06E-08	6.49E-08	8.55E-08	3.20E-09	1.06E-08	1.38E-08	1.73E-09	4.92E-09	6.64E-09
9129	436878.56	3763236.81	2.1E-08	6.62E-08	8.72E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.01E-09	6.77E-09
9130	436874.87	3763227.93	2.14E-08	6.74E-08	8.88E-08	3.33E-09	1.10E-08	1.43E-08	1.79E-09	5.11E-09	6.90E-09
9131	436871.19	3763219.05	2.18E-08	6.87E-08	9.05E-08	3.39E-09	1.12E-08	1.46E-08	1.83E-09	5.20E-09	7.03E-09
9132	436867.5	3763210.16	2.22E-08	7.00E-08	9.22E-08	3.45E-09	1.14E-08	1.49E-08	1.86E-09	5.30E-09	7.16E-09
9133	436863.82	3763201.28	2.26E-08	7.12E-08	9.38E-08	3.51E-09	1.16E-08	1.51E-08	1.89E-09	5.40E-09	7.29E-09
9134	436860.13	3763192.4	2.3E-08	7.25E-08	9.55E-08	3.58E-09	1.18E-08	1.54E-08	1.93E-09	5.49E-09	7.42E-09
9135	436856.45	3763183.52	2.34E-08	7.37E-08	9.72E-08	3.64E-09	1.20E-08	1.57E-08	1.96E-09	5.59E-09	7.55E-09
9136	436852.77	3763174.63	2.38E-08	7.50E-08	9.88E-08	3.70E-09	1.23E-08	1.60E-08	1.99E-09	5.68E-09	7.68E-09
9137	436849.08	3763165.75	2.42E-08	7.62E-08	1.00E-07	3.76E-09	1.25E-08	1.62E-08	2.03E-09	5.78E-09	7.80E-09
9138	436845.4	3763156.87	2.46E-08	7.74E-08	1.02E-07	3.82E-09	1.26E-08	1.65E-08	2.06E-09	5.87E-09	7.92E-09
9139	436841.71	3763147.99	2.49E-08	7.85E-08	1.03E-07	3.87E-09	1.28E-08	1.67E-08	2.09E-09	5.95E-09	8.04E-09
9140	436838.03	3763139.1	2.53E-08	7.96E-08	1.05E-07	3.93E-09	1.30E-08	1.69E-08	2.12E-09	6.03E-09	8.15E-09
9141	436834.34	3763130.22	2.56E-08	8.06E-08	1.06E-07	3.98E-09	1.32E-08	1.71E-08	2.14E-09	6.11E-09	8.25E-09
9142	436830.66	3763121.34	2.59E-08	8.16E-08	1.08E-07	4.03E-09	1.33E-08	1.74E-08	2.17E-09	6.18E-09	8.35E-09
9143	436826.97	3763112.46	2.62E-08	8.26E-08	1.09E-07	4.07E-09	1.35E-08	1.76E-08	2.19E-09	6.26E-09	8.45E-09
9144	436823.29	3763103.57	2.65E-08	8.35E-08	1.10E-07	4.12E-09	1.36E-08	1.78E-08	2.22E-09	6.33E-09	8.54E-09
9145	436819.6	3763094.69	2.68E-08	8.43E-08	1.11E-07	4.16E-09	1.38E-08	1.79E-08	2.24E-09	6.39E-09	8.63E-09
9146	436815.92	3763085.81	2.7E-08	8.51E-08	1.12E-07	4.20E-09	1.39E-08	1.81E-08	2.26E-09	6.45E-09	8.71E-09

9147	436812.23	3763076.92	2.73E-08	8.59E-08	1.13E-07	4.24E-09	1.40E-08	1.83E-08	2.28E-09	6.51E-09	8.79E-09
9148	436808.55	3763068.04	2.75E-08	8.67E-08	1.14E-07	4.28E-09	1.42E-08	1.84E-08	2.30E-09	6.57E-09	8.87E-09
9149	436804.86	3763059.16	2.77E-08	8.74E-08	1.15E-07	4.31E-09	1.43E-08	1.86E-08	2.32E-09	6.62E-09	8.94E-09
9150	436801.18	3763050.28	2.79E-08	8.80E-08	1.16E-07	4.34E-09	1.44E-08	1.87E-08	2.34E-09	6.67E-09	9.01E-09
9151	436797.49	3763041.39	2.81E-08	8.86E-08	1.17E-07	4.37E-09	1.45E-08	1.88E-08	2.35E-09	6.71E-09	9.07E-09
9152	436793.81	3763032.51	2.83E-08	8.91E-08	1.17E-07	4.40E-09	1.46E-08	1.90E-08	2.37E-09	6.75E-09	9.12E-09
9153	436790.13	3763023.63	2.84E-08	8.96E-08	1.18E-07	4.42E-09	1.46E-08	1.90E-08	2.38E-09	6.79E-09	9.17E-09
9154	436786.44	3763014.75	2.86E-08	9.00E-08	1.19E-07	4.44E-09	1.47E-08	1.91E-08	2.39E-09	6.82E-09	9.21E-09
9155	436782.76	3763005.86	2.87E-08	9.03E-08	1.19E-07	4.46E-09	1.48E-08	1.92E-08	2.40E-09	6.84E-09	9.24E-09
9156	436779.07	3762996.98	2.88E-08	9.06E-08	1.19E-07	4.47E-09	1.48E-08	1.93E-08	2.41E-09	6.87E-09	9.27E-09
9157	436775.39	3762988.1	2.89E-08	9.09E-08	1.20E-07	4.48E-09	1.48E-08	1.93E-08	2.41E-09	6.88E-09	9.30E-09
9158	437365.13	3763503.74	1.36E-08	4.30E-08	5.66E-08	2.12E-09	7.02E-09	9.14E-09	1.14E-09	3.26E-09	4.40E-09
9159	437374.78	3763503.72	1.37E-08	4.33E-08	5.70E-08	2.14E-09	7.07E-09	9.20E-09	1.15E-09	3.28E-09	4.43E-09
9160	437384.43	3763503.7	1.38E-08	4.36E-08	5.75E-08	2.15E-09	7.13E-09	9.28E-09	1.16E-09	3.30E-09	4.46E-09
9161	437394.08	3763503.68	1.4E-08	4.40E-08	5.79E-08	2.17E-09	7.18E-09	9.35E-09	1.17E-09	3.33E-09	4.50E-09
9162	437403.73	3763503.66	1.41E-08	4.43E-08	5.83E-08	2.18E-09	7.23E-09	9.42E-09	1.18E-09	3.35E-09	4.53E-09
9163	437413.38	3763503.64	1.41E-08	4.45E-08	5.87E-08	2.20E-09	7.28E-09	9.47E-09	1.18E-09	3.38E-09	4.56E-09
9164	437423.03	3763503.62	1.42E-08	4.48E-08	5.90E-08	2.21E-09	7.32E-09	9.53E-09	1.19E-09	3.40E-09	4.59E-09
9165	437432.68	3763503.6	1.43E-08	4.51E-08	5.94E-08	2.22E-09	7.36E-09	9.59E-09	1.20E-09	3.42E-09	4.61E-09
9166	437442.33	3763503.58	1.44E-08	4.53E-08	5.97E-08	2.24E-09	7.41E-09	9.64E-09	1.20E-09	3.44E-09	4.64E-09
9167	437451.98	3763503.56	1.45E-08	4.56E-08	6.01E-08	2.25E-09	7.45E-09	9.70E-09	1.21E-09	3.46E-09	4.67E-09
9168	437461.63	3763503.54	1.46E-08	4.58E-08	6.04E-08	2.26E-09	7.49E-09	9.75E-09	1.22E-09	3.47E-09	4.69E-09
9169	437471.28	3763503.52	1.46E-08	4.61E-08	6.07E-08	2.27E-09	7.53E-09	9.80E-09	1.22E-09	3.49E-09	4.72E-09
9170	437480.93	3763503.5	1.47E-08	4.63E-08	6.10E-08	2.29E-09	7.57E-09	9.85E-09	1.23E-09	3.51E-09	4.74E-09
9171	437490.58	3763503.48	1.48E-08	4.66E-08	6.14E-08	2.30E-09	7.61E-09	9.91E-09	1.24E-09	3.53E-09	4.77E-09
9172	437500.23	3763503.46	1.49E-08	4.69E-08	6.18E-08	2.31E-09	7.66E-09	9.97E-09	1.25E-09	3.55E-09	4.80E-09
9173	437509.88	3763503.44	1.5E-08	4.72E-08	6.22E-08	2.33E-09	7.71E-09	1.00E-08	1.26E-09	3.58E-09	4.83E-09
9174	437519.53	3763503.42	1.51E-08	4.76E-08	6.27E-08	2.35E-09	7.77E-09	1.01E-08	1.26E-09	3.60E-09	4.87E-09
9175	437529.19	3763503.4	1.52E-08	4.79E-08	6.31E-08	2.36E-09	7.83E-09	1.02E-08	1.27E-09	3.63E-09	4.91E-09
9176	437538.84	3763503.38	1.53E-08	4.83E-08	6.36E-08	2.38E-09	7.89E-09	1.03E-08	1.28E-09	3.66E-09	4.94E-09
9177	437548.49	3763503.36	1.55E-08	4.87E-08	6.41E-08	2.40E-09	7.95E-09	1.04E-08	1.29E-09	3.69E-09	4.98E-09
9178	437356.29	3763540.06	1.23E-08	3.87E-08	5.10E-08	1.91E-09	6.33E-09	8.24E-09	1.03E-09	2.93E-09	3.96E-09
9179	437347.37	3763536.38	1.23E-08	3.88E-08	5.11E-08	1.92E-09	6.34E-09	8.26E-09	1.03E-09	2.94E-09	3.97E-09
9180	437338.45	3763532.7	1.24E-08	3.89E-08	5.13E-08	1.92E-09	6.36E-09	8.28E-09	1.03E-09	2.95E-09	3.98E-09
9181	437329.52	3763529.02	1.24E-08	3.91E-08	5.15E-08	1.93E-09	6.38E-09	8.31E-09	1.04E-09	2.96E-09	4.00E-09
9182	437320.6	3763525.34	1.24E-08	3.92E-08	5.16E-08	1.93E-09	6.40E-09	8.33E-09	1.04E-09	2.97E-09	4.01E-09
9183	437311.68	3763521.66	1.25E-08	3.93E-08	5.18E-08	1.94E-09	6.42E-09	8.36E-09	1.04E-09	2.98E-09	4.02E-09
9184	437302.76	3763517.99	1.25E-08	3.94E-08	5.20E-08	1.95E-09	6.44E-09	8.39E-09	1.05E-09	2.99E-09	4.04E-09
9185	437293.84	3763514.31	1.26E-08	3.96E-08	5.22E-08	1.95E-09	6.47E-09	8.43E-09	1.05E-09	3.00E-09	4.06E-09
9186	437284.92	3763510.63	1.26E-08	3.98E-08	5.24E-08	1.96E-09	6.50E-09	8.47E-09	1.06E-09	3.02E-09	4.07E-09
9187	437276	3763506.95	1.27E-08	4.00E-08	5.27E-08	1.97E-09	6.53E-09	8.50E-09	1.06E-09	3.03E-09	4.09E-09
9188	437267.08	3763503.27	1.27E-08	4.00E-08	5.28E-08	1.98E-09	6.54E-09	8.52E-09	1.06E-09	3.03E-09	4.10E-09
9189	437258.16	3763499.59	1.27E-08	4.01E-08	5.29E-08	1.98E-09	6.55E-09	8.53E-09	1.07E-09	3.04E-09	4.11E-09
9190	437249.23	3763495.91	1.28E-08	4.02E-08	5.30E-08	1.98E-09	6.57E-09	8.55E-09	1.07E-09	3.05E-09	4.12E-09
9191	437240.31	3763492.23	1.28E-08	4.03E-08	5.31E-08	1.99E-09	6.59E-09	8.58E-09	1.07E-09	3.06E-09	4.13E-09
9192	437231.39	3763488.55	1.28E-08	4.04E-08	5.33E-08	1.99E-09	6.60E-09	8.60E-09	1.07E-09	3.06E-09	4.14E-09
9193	437222.47	3763484.87	1.29E-08	4.05E-08	5.34E-08	2.00E-09	6.62E-09	8.61E-09	1.08E-09	3.07E-09	4.14E-09
9194	437213.55	3763481.19	1.29E-08	4.07E-08	5.36E-08	2.01E-09	6.65E-09	8.66E-09	1.08E-09	3.08E-09	4.17E-09
9195	437204.63	3763477.52	1.3E-08	4.10E-08	5.40E-08	2.02E-09	6.69E-09	8.72E-09	1.09E-09	3.10E-09	4.19E-09
9196	437195.71	3763473.84	1.31E-08	4.13E-08	5.44E-08	2.04E-09	6.75E-09	8.78E-09	1.10E-09	3.13E-09	4.23E-09
9197	437186.79	3763470.16	1.32E-08	4.16E-08	5.48E-08	2.05E-09	6.80E-09	8.85E-09	1.11E-09	3.15E-09	4.26E-09
9198	437142.18	3763451.76	1.38E-08	4.35E-08	5.74E-08	2.15E-09	7.11E-09	9.26E-09	1.16E-09	3.30E-09	4.46E-09
9199	437133.26	3763448.08	1.39E-08	4.38E-08	5.77E-08	2.16E-09	7.16E-09	9.32E-09	1.16E-09	3.32E-09	4.49E-09
9200	437124.34	3763444.4	1.4E-08	4.41E-08	5.81E-08	2.17E-09	7.20E-09	9.37E-09	1.17E-09	3.34E-09	4.51E-09
9201	437115.42	3763440.73	1.39E-08	4.38E-08	5.78E-08	2.16E-09	7.16E-09	9.32E-09	1.17E-09	3.32E-09	4.49E-09
9202	437106.5	3763437.05	1.4E-08	4.41E-08	5.81E-08	2.17E-09	7.20E-09	9.37E-09	1.17E-09	3.34E-09	4.51E-09
9203	437097.57	3763433.37	1.41E-08	4.43E-08	5.84E-08	2.19E-09	7.24E-09	9.43E-09	1.18E-09	3.36E-09	4.54E-09
9204	437088.65	3763429.69	1.42E-08	4.47E-08	5.89E-08	2.20E-09	7.30E-09	9.50E-09	1.19E-09	3.39E-09	4.57E-09
9205	437079.73	3763426.01	1.43E-08	4.50E-08	5.93E-08	2.22E-09	7.36E-09	9.58E-09	1.20E-09	3.41E-09	4.61E-09
9206	437070.81	3763422.33	1.44E-08	4.54E-08	5.98E-08	2.24E-09	7.41E-09	9.65E-09	1.21E-09	3.44E-09	4.64E-09
9207	437061.89	3763418.65	1.46E-08	4.60E-08	6.06E-08	2.27E-09	7.52E-09	9.79E-09	1.22E-09	3.49E-09	4.71E-09

9208	437052.97	3763414.97	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.58E-09	9.86E-09	1.23E-09	3.51E-09	4.75E-09
9209	437044.05	3763411.29	1.48E-08	4.67E-08	6.16E-08	2.31E-09	7.63E-09	9.94E-09	1.24E-09	3.54E-09	4.78E-09
9210	437035.13	3763407.61	1.5E-08	4.71E-08	6.20E-08	2.32E-09	7.69E-09	1.00E-08	1.25E-09	3.57E-09	4.82E-09
9211	437026.2	3763403.94	1.51E-08	4.74E-08	6.25E-08	2.34E-09	7.75E-09	1.01E-08	1.26E-09	3.59E-09	4.85E-09
9212	437017.28	3763400.26	1.52E-08	4.78E-08	6.29E-08	2.36E-09	7.80E-09	1.02E-08	1.27E-09	3.62E-09	4.89E-09
9213	437008.36	3763396.58	1.53E-08	4.81E-08	6.34E-08	2.37E-09	7.86E-09	1.02E-08	1.28E-09	3.64E-09	4.92E-09
9214	436999.44	3763392.9	1.54E-08	4.84E-08	6.38E-08	2.39E-09	7.91E-09	1.03E-08	1.29E-09	3.67E-09	4.96E-09
9215	436990.52	3763389.22	1.55E-08	4.87E-08	6.42E-08	2.40E-09	7.96E-09	1.04E-08	1.30E-09	3.69E-09	4.99E-09
9216	436981.6	3763385.54	1.56E-08	4.91E-08	6.46E-08	2.42E-09	8.01E-09	1.04E-08	1.30E-09	3.72E-09	5.02E-09
9217	436972.68	3763381.86	1.57E-08	4.94E-08	6.51E-08	2.44E-09	8.07E-09	1.05E-08	1.31E-09	3.74E-09	5.05E-09
9218	436963.76	3763378.18	1.57E-08	4.96E-08	6.53E-08	2.45E-09	8.10E-09	1.05E-08	1.32E-09	3.76E-09	5.07E-09
9219	436954.84	3763374.5	1.58E-08	4.98E-08	6.55E-08	2.45E-09	8.13E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09
9220	436945.91	3763370.82	1.58E-08	4.99E-08	6.58E-08	2.46E-09	8.15E-09	1.06E-08	1.33E-09	3.78E-09	5.11E-09
9221	436936.99	3763367.14	1.59E-08	5.01E-08	6.59E-08	2.47E-09	8.18E-09	1.06E-08	1.33E-09	3.79E-09	5.12E-09
9222	436928.07	3763363.47	1.59E-08	5.02E-08	6.61E-08	2.48E-09	8.20E-09	1.07E-08	1.33E-09	3.80E-09	5.14E-09
9223	436919.15	3763359.79	1.6E-08	5.03E-08	6.63E-08	2.48E-09	8.22E-09	1.07E-08	1.34E-09	3.81E-09	5.15E-09
9224	436910.23	3763356.11	1.6E-08	5.04E-08	6.64E-08	2.49E-09	8.24E-09	1.07E-08	1.34E-09	3.82E-09	5.16E-09
9225	436901.31	3763352.43	1.6E-08	5.04E-08	6.64E-08	2.49E-09	8.23E-09	1.07E-08	1.34E-09	3.82E-09	5.16E-09
9226	436892.39	3763348.75	1.6E-08	5.03E-08	6.63E-08	2.48E-09	8.22E-09	1.07E-08	1.34E-09	3.81E-09	5.15E-09
9227	436879.77	3763336.16	1.63E-08	5.12E-08	6.74E-08	2.52E-09	8.36E-09	1.09E-08	1.36E-09	3.88E-09	5.24E-09
9228	436876.07	3763327.24	1.65E-08	5.21E-08	6.87E-08	2.57E-09	8.51E-09	1.11E-08	1.39E-09	3.95E-09	5.33E-09
9229	436872.37	3763318.33	1.69E-08	5.31E-08	6.99E-08	2.62E-09	8.67E-09	1.13E-08	1.41E-09	4.02E-09	5.43E-09
9230	436868.68	3763309.42	1.72E-08	5.40E-08	7.12E-08	2.67E-09	8.83E-09	1.15E-08	1.44E-09	4.09E-09	5.53E-09
9231	436864.98	3763300.5	1.75E-08	5.50E-08	7.24E-08	2.71E-09	8.98E-09	1.17E-08	1.46E-09	4.17E-09	5.63E-09
9232	436861.28	3763291.59	1.78E-08	5.59E-08	7.37E-08	2.76E-09	9.14E-09	1.19E-08	1.49E-09	4.24E-09	5.72E-09
9233	436857.58	3763282.68	1.81E-08	5.70E-08	7.51E-08	2.81E-09	9.31E-09	1.21E-08	1.52E-09	4.32E-09	5.84E-09
9234	436853.89	3763273.76	1.85E-08	5.82E-08	7.66E-08	2.87E-09	9.50E-09	1.24E-08	1.55E-09	4.41E-09	5.95E-09
9235	436850.19	3763264.85	1.88E-08	5.93E-08	7.81E-08	2.93E-09	9.69E-09	1.26E-08	1.58E-09	4.49E-09	6.07E-09
9236	436846.49	3763255.94	1.92E-08	6.04E-08	7.96E-08	2.98E-09	9.87E-09	1.29E-08	1.61E-09	4.58E-09	6.18E-09
9237	436842.79	3763247.02	1.95E-08	6.14E-08	8.09E-08	3.03E-09	1.00E-08	1.31E-08	1.63E-09	4.66E-09	6.29E-09
9238	436839.1	3763238.11	1.98E-08	6.24E-08	8.23E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.73E-09	6.39E-09
9239	436835.4	3763229.19	2.01E-08	6.34E-08	8.36E-08	3.13E-09	1.04E-08	1.35E-08	1.69E-09	4.81E-09	6.49E-09
9240	436831.7	3763220.28	2.05E-08	6.45E-08	8.50E-08	3.18E-09	1.05E-08	1.37E-08	1.72E-09	4.89E-09	6.61E-09
9241	436828	3763211.37	2.08E-08	6.56E-08	8.65E-08	3.24E-09	1.07E-08	1.40E-08	1.74E-09	4.97E-09	6.72E-09
9242	436824.31	3763202.45	2.12E-08	6.67E-08	8.79E-08	3.29E-09	1.09E-08	1.42E-08	1.77E-09	5.06E-09	6.83E-09
9243	436820.61	3763193.54	2.15E-08	6.78E-08	8.94E-08	3.35E-09	1.11E-08	1.44E-08	1.80E-09	5.14E-09	6.94E-09
9244	436816.91	3763184.63	2.19E-08	6.89E-08	9.08E-08	3.40E-09	1.13E-08	1.47E-08	1.83E-09	5.22E-09	7.06E-09
9245	436813.21	3763175.71	2.23E-08	7.01E-08	9.23E-08	3.46E-09	1.14E-08	1.49E-08	1.86E-09	5.31E-09	7.17E-09
9246	436809.52	3763166.8	2.26E-08	7.10E-08	9.36E-08	3.50E-09	1.16E-08	1.51E-08	1.89E-09	5.38E-09	7.27E-09
9247	436805.82	3763157.89	2.28E-08	7.19E-08	9.48E-08	3.55E-09	1.17E-08	1.53E-08	1.91E-09	5.45E-09	7.36E-09
9248	436802.12	3763148.97	2.31E-08	7.28E-08	9.59E-08	3.59E-09	1.19E-08	1.55E-08	1.94E-09	5.52E-09	7.45E-09
9249	436798.42	3763140.06	2.34E-08	7.37E-08	9.71E-08	3.63E-09	1.20E-08	1.57E-08	1.96E-09	5.58E-09	7.54E-09
9250	436794.73	3763131.15	2.37E-08	7.45E-08	9.82E-08	3.68E-09	1.22E-08	1.58E-08	1.98E-09	5.64E-09	7.62E-09
9251	436791.03	3763122.23	2.39E-08	7.53E-08	9.92E-08	3.71E-09	1.23E-08	1.60E-08	2.00E-09	5.70E-09	7.71E-09
9252	436787.33	3763113.32	2.41E-08	7.60E-08	1.00E-07	3.75E-09	1.24E-08	1.62E-08	2.02E-09	5.76E-09	7.78E-09
9253	436783.63	3763104.41	2.44E-08	7.68E-08	1.01E-07	3.79E-09	1.25E-08	1.63E-08	2.04E-09	5.82E-09	7.86E-09
9254	436779.94	3763095.49	2.46E-08	7.74E-08	1.02E-07	3.82E-09	1.27E-08	1.65E-08	2.06E-09	5.87E-09	7.93E-09
9255	436776.24	3763086.58	2.48E-08	7.81E-08	1.03E-07	3.85E-09	1.28E-08	1.66E-08	2.07E-09	5.92E-09	7.99E-09
9256	436731.87	3762979.62	2.59E-08	8.16E-08	1.07E-07	4.02E-09	1.33E-08	1.73E-08	2.17E-09	6.18E-09	8.35E-09
9257	436728.17	3762970.7	2.59E-08	8.17E-08	1.08E-07	4.03E-09	1.33E-08	1.74E-08	2.17E-09	6.19E-09	8.36E-09
9258	436724.47	3762961.79	2.59E-08	8.17E-08	1.08E-07	4.03E-09	1.33E-08	1.74E-08	2.17E-09	6.19E-09	8.36E-09
9259	436720.78	3762952.88	2.6E-08	8.19E-08	1.08E-07	4.04E-09	1.34E-08	1.74E-08	2.18E-09	6.21E-09	8.38E-09
9260	436717.08	3762943.96	2.61E-08	8.21E-08	1.08E-07	4.05E-09	1.34E-08	1.75E-08	2.18E-09	6.22E-09	8.40E-09
9261	436713.38	3762935.05	2.61E-08	8.21E-08	1.08E-07	4.05E-09	1.34E-08	1.75E-08	2.18E-09	6.22E-09	8.41E-09
9262	436709.68	3762926.13	2.61E-08	8.21E-08	1.08E-07	4.05E-09	1.34E-08	1.75E-08	2.18E-09	6.22E-09	8.41E-09
9263	436705.99	3762917.22	2.61E-08	8.20E-08	1.08E-07	4.05E-09	1.34E-08	1.75E-08	2.18E-09	6.22E-09	8.40E-09
9264	436702.29	3762908.31	2.6E-08	8.19E-08	1.08E-07	4.04E-09	1.34E-08	1.74E-08	2.18E-09	6.20E-09	8.38E-09
9265	437365.21	3763543.74	1.23E-08	3.87E-08	5.09E-08	1.91E-09	6.31E-09	8.22E-09	1.03E-09	2.93E-09	3.96E-09
9266	437374.86	3763543.72	1.24E-08	3.90E-08	5.14E-08	1.92E-09	6.37E-09	8.29E-09	1.04E-09	2.95E-09	3.99E-09
9267	437384.51	3763543.7	1.25E-08	3.93E-08	5.18E-08	1.94E-09	6.42E-09	8.36E-09	1.05E-09	2.98E-09	4.02E-09
9268	437394.16	3763543.68	1.26E-08	3.97E-08	5.23E-08	1.96E-09	6.48E-09	8.44E-09	1.05E-09	3.01E-09	4.06E-09

9269	437403.81	3763543.66	1.27E-08	4.00E-08	5.27E-08	1.97E-09	6.54E-09	8.51E-09	1.06E-09	3.03E-09	4.10E-09
9270	437413.46	3763543.64	1.28E-08	4.03E-08	5.31E-08	1.99E-09	6.59E-09	8.57E-09	1.07E-09	3.05E-09	4.13E-09
9271	437423.11	3763543.62	1.29E-08	4.06E-08	5.35E-08	2.00E-09	6.63E-09	8.64E-09	1.08E-09	3.08E-09	4.16E-09
9272	437432.76	3763543.6	1.3E-08	4.09E-08	5.39E-08	2.02E-09	6.68E-09	8.70E-09	1.09E-09	3.10E-09	4.18E-09
9273	437442.41	3763543.58	1.31E-08	4.11E-08	5.42E-08	2.03E-09	6.72E-09	8.74E-09	1.09E-09	3.11E-09	4.21E-09
9274	437452.06	3763543.56	1.31E-08	4.13E-08	5.45E-08	2.04E-09	6.75E-09	8.79E-09	1.10E-09	3.13E-09	4.23E-09
9275	437461.71	3763543.54	1.32E-08	4.15E-08	5.47E-08	2.05E-09	6.78E-09	8.83E-09	1.10E-09	3.15E-09	4.25E-09
9276	437471.37	3763543.52	1.32E-08	4.17E-08	5.49E-08	2.06E-09	6.81E-09	8.87E-09	1.11E-09	3.16E-09	4.27E-09
9277	437481.02	3763543.5	1.33E-08	4.18E-08	5.51E-08	2.06E-09	6.83E-09	8.90E-09	1.11E-09	3.17E-09	4.28E-09
9278	437490.67	3763543.48	1.33E-08	4.20E-08	5.53E-08	2.07E-09	6.86E-09	8.93E-09	1.12E-09	3.18E-09	4.30E-09
9279	437500.32	3763543.46	1.34E-08	4.22E-08	5.55E-08	2.08E-09	6.89E-09	8.97E-09	1.12E-09	3.19E-09	4.31E-09
9280	437509.97	3763543.44	1.34E-08	4.23E-08	5.58E-08	2.09E-09	6.92E-09	9.00E-09	1.13E-09	3.21E-09	4.33E-09
9281	437519.62	3763543.42	1.35E-08	4.25E-08	5.60E-08	2.10E-09	6.95E-09	9.04E-09	1.13E-09	3.22E-09	4.35E-09
9282	437529.27	3763543.4	1.36E-08	4.28E-08	5.64E-08	2.11E-09	7.00E-09	9.11E-09	1.14E-09	3.25E-09	4.38E-09
9283	437538.92	3763543.38	1.37E-08	4.32E-08	5.69E-08	2.13E-09	7.05E-09	9.18E-09	1.15E-09	3.27E-09	4.42E-09
9284	437548.57	3763543.36	1.38E-08	4.35E-08	5.73E-08	2.15E-09	7.11E-09	9.26E-09	1.16E-09	3.30E-09	4.45E-09
9285	437356.5	3763580.11	1.12E-08	3.53E-08	4.65E-08	1.74E-09	5.77E-09	7.51E-09	9.38E-10	2.68E-09	3.61E-09
9286	437347.7	3763576.48	1.12E-08	3.53E-08	4.66E-08	1.74E-09	5.77E-09	7.52E-09	9.39E-10	2.68E-09	3.62E-09
9287	437338.91	3763572.86	1.12E-08	3.54E-08	4.66E-08	1.74E-09	5.78E-09	7.52E-09	9.40E-10	2.68E-09	3.62E-09
9288	437330.11	3763569.23	1.12E-08	3.54E-08	4.67E-08	1.75E-09	5.79E-09	7.53E-09	9.41E-10	2.68E-09	3.62E-09
9289	437321.32	3763565.6	1.13E-08	3.55E-08	4.67E-08	1.75E-09	5.79E-09	7.54E-09	9.43E-10	2.69E-09	3.63E-09
9290	437312.53	3763561.98	1.13E-08	3.55E-08	4.68E-08	1.75E-09	5.80E-09	7.56E-09	9.44E-10	2.69E-09	3.64E-09
9291	437303.73	3763558.35	1.13E-08	3.56E-08	4.69E-08	1.76E-09	5.82E-09	7.58E-09	9.47E-10	2.70E-09	3.65E-09
9292	437294.94	3763554.72	1.13E-08	3.57E-08	4.71E-08	1.76E-09	5.84E-09	7.60E-09	9.50E-10	2.71E-09	3.66E-09
9293	437286.14	3763551.1	1.14E-08	3.59E-08	4.72E-08	1.77E-09	5.86E-09	7.63E-09	9.53E-10	2.72E-09	3.67E-09
9294	437277.35	3763547.47	1.14E-08	3.60E-08	4.74E-08	1.77E-09	5.87E-09	7.65E-09	9.56E-10	2.73E-09	3.68E-09
9295	437268.55	3763543.84	1.14E-08	3.61E-08	4.75E-08	1.78E-09	5.89E-09	7.67E-09	9.58E-10	2.73E-09	3.69E-09
9296	437259.76	3763540.22	1.15E-08	3.62E-08	4.76E-08	1.78E-09	5.91E-09	7.69E-09	9.61E-10	2.74E-09	3.70E-09
9297	437250.96	3763536.59	1.15E-08	3.62E-08	4.78E-08	1.79E-09	5.92E-09	7.71E-09	9.64E-10	2.75E-09	3.71E-09
9298	437242.17	3763532.96	1.15E-08	3.63E-08	4.79E-08	1.79E-09	5.93E-09	7.73E-09	9.66E-10	2.75E-09	3.72E-09
9299	437233.37	3763529.34	1.16E-08	3.64E-08	4.79E-08	1.80E-09	5.95E-09	7.74E-09	9.67E-10	2.76E-09	3.72E-09
9300	437224.58	3763525.71	1.16E-08	3.65E-08	4.81E-08	1.80E-09	5.96E-09	7.76E-09	9.69E-10	2.76E-09	3.73E-09
9301	437215.79	3763522.08	1.16E-08	3.66E-08	4.82E-08	1.81E-09	5.98E-09	7.78E-09	9.72E-10	2.77E-09	3.75E-09
9302	437206.99	3763518.46	1.17E-08	3.68E-08	4.85E-08	1.82E-09	6.01E-09	7.83E-09	9.78E-10	2.79E-09	3.77E-09
9303	437198.2	3763514.83	1.18E-08	3.70E-08	4.88E-08	1.83E-09	6.05E-09	7.87E-09	9.84E-10	2.80E-09	3.79E-09
9304	437189.4	3763511.2	1.18E-08	3.72E-08	4.91E-08	1.84E-09	6.08E-09	7.92E-09	9.90E-10	2.82E-09	3.81E-09
9305	437145.43	3763493.07	1.22E-08	3.85E-08	5.08E-08	1.90E-09	6.30E-09	8.20E-09	1.02E-09	2.92E-09	3.95E-09
9306	437136.64	3763489.44	1.23E-08	3.88E-08	5.11E-08	1.91E-09	6.34E-09	8.25E-09	1.03E-09	2.94E-09	3.97E-09
9307	437127.84	3763485.81	1.24E-08	3.91E-08	5.15E-08	1.93E-09	6.38E-09	8.31E-09	1.04E-09	2.96E-09	4.00E-09
9308	437119.05	3763482.19	1.25E-08	3.94E-08	5.19E-08	1.94E-09	6.43E-09	8.37E-09	1.05E-09	2.98E-09	4.03E-09
9309	437110.25	3763478.56	1.27E-08	4.00E-08	5.28E-08	1.98E-09	6.54E-09	8.52E-09	1.06E-09	3.03E-09	4.10E-09
9310	437101.46	3763474.93	1.28E-08	4.03E-08	5.31E-08	1.99E-09	6.58E-09	8.57E-09	1.07E-09	3.05E-09	4.12E-09
9311	437092.66	3763471.31	1.29E-08	4.05E-08	5.34E-08	2.00E-09	6.62E-09	8.62E-09	1.08E-09	3.07E-09	4.15E-09
9312	437083.87	3763467.68	1.29E-08	4.08E-08	5.37E-08	2.01E-09	6.66E-09	8.67E-09	1.08E-09	3.09E-09	4.17E-09
9313	437075.07	3763464.05	1.3E-08	4.10E-08	5.40E-08	2.02E-09	6.70E-09	8.72E-09	1.09E-09	3.11E-09	4.20E-09
9314	437066.28	3763460.43	1.3E-08	4.09E-08	5.38E-08	2.02E-09	6.67E-09	8.69E-09	1.09E-09	3.10E-09	4.18E-09
9315	437057.48	3763456.8	1.3E-08	4.11E-08	5.41E-08	2.03E-09	6.71E-09	8.74E-09	1.09E-09	3.11E-09	4.20E-09
9316	437048.69	3763453.17	1.31E-08	4.13E-08	5.44E-08	2.04E-09	6.75E-09	8.78E-09	1.10E-09	3.13E-09	4.23E-09
9317	437039.9	3763449.55	1.32E-08	4.15E-08	5.47E-08	2.05E-09	6.78E-09	8.83E-09	1.10E-09	3.15E-09	4.25E-09
9318	437031.1	3763445.92	1.33E-08	4.19E-08	5.52E-08	2.07E-09	6.84E-09	8.91E-09	1.11E-09	3.17E-09	4.29E-09
9319	437022.31	3763442.29	1.35E-08	4.24E-08	5.59E-08	2.09E-09	6.93E-09	9.03E-09	1.13E-09	3.22E-09	4.34E-09
9320	437013.51	3763438.67	1.36E-08	4.28E-08	5.64E-08	2.11E-09	6.99E-09	9.10E-09	1.14E-09	3.24E-09	4.38E-09
9321	437004.72	3763435.04	1.37E-08	4.31E-08	5.67E-08	2.12E-09	7.04E-09	9.16E-09	1.14E-09	3.26E-09	4.41E-09
9322	436995.92	3763431.41	1.38E-08	4.33E-08	5.71E-08	2.14E-09	7.08E-09	9.21E-09	1.15E-09	3.28E-09	4.43E-09
9323	436987.13	3763427.79	1.38E-08	4.36E-08	5.74E-08	2.15E-09	7.12E-09	9.27E-09	1.16E-09	3.30E-09	4.46E-09
9324	436978.33	3763424.16	1.39E-08	4.38E-08	5.78E-08	2.16E-09	7.16E-09	9.33E-09	1.17E-09	3.32E-09	4.49E-09
9325	436969.54	3763420.53	1.4E-08	4.41E-08	5.82E-08	2.18E-09	7.21E-09	9.39E-09	1.17E-09	3.35E-09	4.52E-09
9326	436960.74	3763416.91	1.41E-08	4.44E-08	5.85E-08	2.19E-09	7.26E-09	9.45E-09	1.18E-09	3.37E-09	4.55E-09
9327	436951.95	3763413.28	1.42E-08	4.47E-08	5.89E-08	2.21E-09	7.31E-09	9.52E-09	1.19E-09	3.39E-09	4.58E-09
9328	436943.16	3763409.65	1.43E-08	4.50E-08	5.93E-08	2.22E-09	7.35E-09	9.57E-09	1.20E-09	3.41E-09	4.60E-09
9329	436934.36	3763406.03	1.43E-08	4.52E-08	5.95E-08	2.23E-09	7.38E-09	9.60E-09	1.20E-09	3.42E-09	4.62E-09

9330	436925.57	3763402.4	1.44E-08	4.53E-08	5.97E-08	2.24E-09	7.41E-09	9.64E-09	1.20E-09	3.44E-09	4.64E-09
9331	436916.77	3763398.77	1.44E-08	4.55E-08	5.99E-08	2.24E-09	7.43E-09	9.67E-09	1.21E-09	3.45E-09	4.65E-09
9332	436907.98	3763395.14	1.45E-08	4.55E-08	6.00E-08	2.25E-09	7.43E-09	9.68E-09	1.21E-09	3.45E-09	4.66E-09
9333	436899.18	3763391.52	1.45E-08	4.55E-08	6.00E-08	2.25E-09	7.44E-09	9.68E-09	1.21E-09	3.45E-09	4.66E-09
9334	436890.39	3763387.89	1.45E-08	4.55E-08	6.00E-08	2.25E-09	7.44E-09	9.69E-09	1.21E-09	3.45E-09	4.66E-09
9335	436881.59	3763384.26	1.45E-08	4.56E-08	6.00E-08	2.25E-09	7.44E-09	9.69E-09	1.21E-09	3.45E-09	4.66E-09
9336	436872.8	3763380.64	1.45E-08	4.56E-08	6.01E-08	2.25E-09	7.45E-09	9.70E-09	1.21E-09	3.46E-09	4.67E-09
9337	436864.01	3763377.01	1.45E-08	4.56E-08	6.01E-08	2.25E-09	7.45E-09	9.70E-09	1.21E-09	3.46E-09	4.67E-09
9338	436851.57	3763364.6	1.47E-08	4.64E-08	6.12E-08	2.29E-09	7.59E-09	9.88E-09	1.23E-09	3.52E-09	4.75E-09
9339	436847.92	3763355.81	1.5E-08	4.73E-08	6.23E-08	2.33E-09	7.72E-09	1.01E-08	1.26E-09	3.58E-09	4.84E-09
9340	436844.28	3763347.02	1.53E-08	4.81E-08	6.34E-08	2.37E-09	7.86E-09	1.02E-08	1.28E-09	3.64E-09	4.92E-09
9341	436840.63	3763338.24	1.55E-08	4.90E-08	6.45E-08	2.42E-09	8.00E-09	1.04E-08	1.30E-09	3.71E-09	5.01E-09
9342	436836.99	3763329.45	1.58E-08	4.99E-08	6.57E-08	2.46E-09	8.15E-09	1.06E-08	1.33E-09	3.78E-09	5.10E-09
9343	436833.34	3763320.66	1.61E-08	5.08E-08	6.69E-08	2.51E-09	8.30E-09	1.08E-08	1.35E-09	3.85E-09	5.20E-09
9344	436829.7	3763311.88	1.64E-08	5.17E-08	6.81E-08	2.55E-09	8.44E-09	1.10E-08	1.37E-09	3.92E-09	5.29E-09
9345	436826.05	3763303.09	1.67E-08	5.26E-08	6.93E-08	2.59E-09	8.59E-09	1.12E-08	1.40E-09	3.98E-09	5.38E-09
9346	436822.41	3763294.3	1.7E-08	5.35E-08	7.05E-08	2.64E-09	8.74E-09	1.14E-08	1.42E-09	4.05E-09	5.48E-09
9347	436818.76	3763285.51	1.73E-08	5.44E-08	7.17E-08	2.69E-09	8.89E-09	1.16E-08	1.45E-09	4.13E-09	5.57E-09
9348	436815.12	3763276.73	1.76E-08	5.54E-08	7.30E-08	2.73E-09	9.05E-09	1.18E-08	1.47E-09	4.20E-09	5.67E-09
9349	436811.47	3763267.94	1.79E-08	5.63E-08	7.42E-08	2.78E-09	9.20E-09	1.20E-08	1.50E-09	4.27E-09	5.76E-09
9350	436807.83	3763259.15	1.82E-08	5.72E-08	7.54E-08	2.82E-09	9.35E-09	1.22E-08	1.52E-09	4.34E-09	5.86E-09
9351	436804.18	3763250.37	1.84E-08	5.81E-08	7.65E-08	2.87E-09	9.49E-09	1.24E-08	1.54E-09	4.40E-09	5.95E-09
9352	436800.54	3763241.58	1.87E-08	5.90E-08	7.77E-08	2.91E-09	9.63E-09	1.25E-08	1.57E-09	4.47E-09	6.04E-09
9353	436796.89	3763232.79	1.9E-08	5.98E-08	7.88E-08	2.95E-09	9.77E-09	1.27E-08	1.59E-09	4.53E-09	6.12E-09
9354	436793.25	3763224.01	1.93E-08	6.07E-08	7.99E-08	2.99E-09	9.91E-09	1.29E-08	1.61E-09	4.60E-09	6.21E-09
9355	436789.6	3763215.22	1.95E-08	6.15E-08	8.11E-08	3.04E-09	1.01E-08	1.31E-08	1.64E-09	4.66E-09	6.30E-09
9356	436785.96	3763206.43	1.98E-08	6.24E-08	8.23E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.73E-09	6.39E-09
9357	436782.31	3763197.64	2.01E-08	6.34E-08	8.35E-08	3.13E-09	1.04E-08	1.35E-08	1.68E-09	4.80E-09	6.49E-09
9358	436742.22	3763100.99	2.25E-08	7.08E-08	9.33E-08	3.50E-09	1.16E-08	1.51E-08	1.88E-09	5.37E-09	7.25E-09
9359	436738.57	3763092.2	2.26E-08	7.12E-08	9.39E-08	3.51E-09	1.16E-08	1.52E-08	1.89E-09	5.40E-09	7.29E-09
9360	436734.93	3763083.41	2.27E-08	7.16E-08	9.44E-08	3.53E-09	1.17E-08	1.52E-08	1.90E-09	5.43E-09	7.33E-09
9361	436731.28	3763074.63	2.29E-08	7.21E-08	9.50E-08	3.56E-09	1.18E-08	1.53E-08	1.92E-09	5.46E-09	7.38E-09
9362	436727.64	3763065.84	2.3E-08	7.25E-08	9.55E-08	3.58E-09	1.18E-08	1.54E-08	1.93E-09	5.49E-09	7.42E-09
9363	436723.99	3763057.05	2.32E-08	7.29E-08	9.61E-08	3.60E-09	1.19E-08	1.55E-08	1.94E-09	5.53E-09	7.46E-09
9364	436720.35	3763048.27	2.33E-08	7.33E-08	9.66E-08	3.62E-09	1.20E-08	1.56E-08	1.95E-09	5.55E-09	7.50E-09
9365	436716.7	3763039.48	2.34E-08	7.37E-08	9.71E-08	3.64E-09	1.20E-08	1.57E-08	1.96E-09	5.59E-09	7.55E-09
9366	436713.06	3763030.69	2.35E-08	7.41E-08	9.76E-08	3.65E-09	1.21E-08	1.58E-08	1.97E-09	5.61E-09	7.58E-09
9367	436709.41	3763021.91	2.36E-08	7.43E-08	9.79E-08	3.67E-09	1.21E-08	1.58E-08	1.97E-09	5.63E-09	7.60E-09
9368	436705.77	3763013.12	2.36E-08	7.45E-08	9.81E-08	3.67E-09	1.22E-08	1.58E-08	1.98E-09	5.64E-09	7.62E-09
9369	436702.12	3763004.33	2.37E-08	7.46E-08	9.83E-08	3.68E-09	1.22E-08	1.59E-08	1.98E-09	5.65E-09	7.64E-09
9370	436698.48	3762995.54	2.37E-08	7.47E-08	9.85E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.66E-09	7.65E-09
9371	436694.83	3762986.76	2.38E-08	7.48E-08	9.86E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.67E-09	7.66E-09
9372	436691.19	3762977.97	2.38E-08	7.48E-08	9.86E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.67E-09	7.66E-09
9373	436687.54	3762969.18	2.38E-08	7.49E-08	9.87E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.67E-09	7.66E-09
9374	436683.9	3762960.4	2.38E-08	7.49E-08	9.86E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.67E-09	7.66E-09
9375	436680.25	3762951.61	2.38E-08	7.48E-08	9.86E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.67E-09	7.66E-09
9376	436676.61	3762942.82	2.37E-08	7.47E-08	9.85E-08	3.69E-09	1.22E-08	1.59E-08	1.99E-09	5.66E-09	7.65E-09
9377	436672.96	3762934.04	2.37E-08	7.46E-08	9.83E-08	3.68E-09	1.22E-08	1.59E-08	1.98E-09	5.65E-09	7.64E-09
9378	436669.32	3762925.25	2.37E-08	7.45E-08	9.82E-08	3.68E-09	1.22E-08	1.58E-08	1.98E-09	5.65E-09	7.63E-09
9379	436665.67	3762916.46	2.36E-08	7.44E-08	9.80E-08	3.67E-09	1.21E-08	1.58E-08	1.98E-09	5.64E-09	7.61E-09
9380	437365.29	3763583.74	1.12E-08	3.53E-08	4.65E-08	1.74E-09	5.76E-09	7.50E-09	9.37E-10	2.67E-09	3.61E-09
9381	437374.94	3763583.72	1.13E-08	3.55E-08	4.68E-08	1.75E-09	5.80E-09	7.56E-09	9.44E-10	2.69E-09	3.64E-09
9382	437384.59	3763583.7	1.14E-08	3.58E-08	4.72E-08	1.77E-09	5.85E-09	7.61E-09	9.51E-10	2.71E-09	3.66E-09
9383	437394.24	3763583.68	1.14E-08	3.61E-08	4.75E-08	1.78E-09	5.89E-09	7.67E-09	9.58E-10	2.73E-09	3.69E-09
9384	437403.89	3763583.66	1.15E-08	3.63E-08	4.79E-08	1.79E-09	5.93E-09	7.73E-09	9.66E-10	2.75E-09	3.72E-09
9385	437413.54	3763583.64	1.16E-08	3.66E-08	4.82E-08	1.81E-09	5.98E-09	7.78E-09	9.72E-10	2.77E-09	3.75E-09
9386	437423.2	3763583.62	1.17E-08	3.69E-08	4.86E-08	1.82E-09	6.02E-09	7.84E-09	9.80E-10	2.79E-09	3.77E-09
9387	437432.85	3763583.6	1.18E-08	3.71E-08	4.89E-08	1.83E-09	6.06E-09	7.89E-09	9.86E-10	2.81E-09	3.80E-09
9388	437442.5	3763583.58	1.19E-08	3.73E-08	4.92E-08	1.84E-09	6.10E-09	7.94E-09	9.92E-10	2.83E-09	3.82E-09
9389	437452.15	3763583.56	1.19E-08	3.76E-08	4.95E-08	1.85E-09	6.14E-09	7.99E-09	9.98E-10	2.85E-09	3.85E-09
9390	437461.8	3763583.54	1.2E-08	3.78E-08	4.98E-08	1.86E-09	6.17E-09	8.04E-09	1.00E-09	2.86E-09	3.87E-09

9391	437471.45	3763583.52	1.21E-08	3.79E-08	5.00E-08	1.87E-09	6.20E-09	8.07E-09	1.01E-09	2.88E-09	3.88E-09
9392	437481.1	3763583.5	1.21E-08	3.81E-08	5.02E-08	1.88E-09	6.22E-09	8.10E-09	1.01E-09	2.89E-09	3.90E-09
9393	437490.75	3763583.48	1.22E-08	3.83E-08	5.04E-08	1.89E-09	6.25E-09	8.14E-09	1.02E-09	2.90E-09	3.92E-09
9394	437500.4	3763583.46	1.22E-08	3.84E-08	5.06E-08	1.89E-09	6.27E-09	8.17E-09	1.02E-09	2.91E-09	3.93E-09
9395	437510.05	3763583.44	1.22E-08	3.85E-08	5.07E-08	1.90E-09	6.29E-09	8.19E-09	1.02E-09	2.92E-09	3.94E-09
9396	437519.7	3763583.42	1.23E-08	3.86E-08	5.09E-08	1.91E-09	6.31E-09	8.22E-09	1.03E-09	2.93E-09	3.95E-09
9397	437529.35	3763583.4	1.23E-08	3.89E-08	5.12E-08	1.92E-09	6.35E-09	8.27E-09	1.03E-09	2.94E-09	3.98E-09
9398	437539	3763583.38	1.24E-08	3.91E-08	5.15E-08	1.93E-09	6.39E-09	8.32E-09	1.04E-09	2.96E-09	4.00E-09
9399	437548.65	3763583.36	1.25E-08	3.94E-08	5.19E-08	1.94E-09	6.43E-09	8.37E-09	1.05E-09	2.98E-09	4.03E-09
9400	437356.55	3763620.1	1.03E-08	3.25E-08	4.28E-08	1.60E-09	5.31E-09	6.91E-09	8.63E-10	2.46E-09	3.32E-09
9401	437347.72	3763616.46	1.03E-08	3.25E-08	4.29E-08	1.60E-09	5.31E-09	6.92E-09	8.65E-10	2.46E-09	3.33E-09
9402	437338.9	3763612.82	1.03E-08	3.26E-08	4.29E-08	1.61E-09	5.32E-09	6.93E-09	8.66E-10	2.47E-09	3.33E-09
9403	437330.07	3763609.18	1.04E-08	3.26E-08	4.30E-08	1.61E-09	5.33E-09	6.94E-09	8.67E-10	2.47E-09	3.34E-09
9404	437321.24	3763605.54	1.04E-08	3.26E-08	4.30E-08	1.61E-09	5.33E-09	6.94E-09	8.68E-10	2.47E-09	3.34E-09
9405	437312.42	3763601.9	1.04E-08	3.27E-08	4.30E-08	1.61E-09	5.34E-09	6.95E-09	8.68E-10	2.47E-09	3.34E-09
9406	437303.59	3763598.26	1.04E-08	3.27E-08	4.31E-08	1.61E-09	5.35E-09	6.96E-09	8.70E-10	2.48E-09	3.35E-09
9407	437294.76	3763594.62	1.04E-08	3.28E-08	4.32E-08	1.62E-09	5.36E-09	6.97E-09	8.72E-10	2.48E-09	3.36E-09
9408	437285.94	3763590.98	1.04E-08	3.29E-08	4.33E-08	1.62E-09	5.37E-09	6.99E-09	8.74E-10	2.49E-09	3.36E-09
9409	437277.11	3763587.34	1.05E-08	3.30E-08	4.34E-08	1.63E-09	5.38E-09	7.01E-09	8.76E-10	2.50E-09	3.37E-09
9410	437268.28	3763583.7	1.05E-08	3.31E-08	4.36E-08	1.63E-09	5.40E-09	7.03E-09	8.79E-10	2.51E-09	3.38E-09
9411	437259.46	3763580.06	1.05E-08	3.32E-08	4.37E-08	1.64E-09	5.42E-09	7.05E-09	8.81E-10	2.51E-09	3.39E-09
9412	437250.63	3763576.42	1.06E-08	3.32E-08	4.38E-08	1.64E-09	5.43E-09	7.07E-09	8.84E-10	2.52E-09	3.40E-09
9413	437241.8	3763572.78	1.06E-08	3.33E-08	4.38E-08	1.64E-09	5.44E-09	7.08E-09	8.84E-10	2.52E-09	3.41E-09
9414	437232.98	3763569.14	1.06E-08	3.33E-08	4.39E-08	1.64E-09	5.44E-09	7.09E-09	8.85E-10	2.52E-09	3.41E-09
9415	437224.15	3763565.5	1.06E-08	3.34E-08	4.39E-08	1.65E-09	5.45E-09	7.09E-09	8.86E-10	2.53E-09	3.41E-09
9416	437215.32	3763561.86	1.06E-08	3.34E-08	4.40E-08	1.65E-09	5.46E-09	7.11E-09	8.88E-10	2.53E-09	3.42E-09
9417	437206.5	3763558.22	1.06E-08	3.35E-08	4.41E-08	1.65E-09	5.47E-09	7.12E-09	8.90E-10	2.54E-09	3.43E-09
9418	437197.67	3763554.58	1.07E-08	3.36E-08	4.43E-08	1.66E-09	5.49E-09	7.15E-09	8.93E-10	2.55E-09	3.44E-09
9419	437188.84	3763550.94	1.07E-08	3.37E-08	4.45E-08	1.66E-09	5.51E-09	7.18E-09	8.97E-10	2.56E-09	3.45E-09
9420	437144.71	3763532.74	1.1E-08	3.46E-08	4.55E-08	1.70E-09	5.64E-09	7.35E-09	9.18E-10	2.62E-09	3.54E-09
9421	437135.88	3763529.1	1.1E-08	3.47E-08	4.58E-08	1.71E-09	5.67E-09	7.39E-09	9.23E-10	2.63E-09	3.56E-09
9422	437127.06	3763525.46	1.11E-08	3.50E-08	4.61E-08	1.73E-09	5.71E-09	7.44E-09	9.30E-10	2.65E-09	3.58E-09
9423	437118.23	3763521.82	1.12E-08	3.53E-08	4.65E-08	1.74E-09	5.76E-09	7.50E-09	9.38E-10	2.67E-09	3.61E-09
9424	437109.41	3763518.18	1.13E-08	3.56E-08	4.69E-08	1.76E-09	5.82E-09	7.57E-09	9.46E-10	2.70E-09	3.64E-09
9425	437100.58	3763514.54	1.14E-08	3.59E-08	4.73E-08	1.77E-09	5.87E-09	7.64E-09	9.55E-10	2.72E-09	3.68E-09
9426	437091.75	3763510.9	1.15E-08	3.62E-08	4.78E-08	1.79E-09	5.92E-09	7.71E-09	9.64E-10	2.75E-09	3.71E-09
9427	437082.93	3763507.26	1.17E-08	3.69E-08	4.86E-08	1.82E-09	6.03E-09	7.85E-09	9.81E-10	2.80E-09	3.78E-09
9428	437074.1	3763503.62	1.18E-08	3.72E-08	4.89E-08	1.83E-09	6.07E-09	7.90E-09	9.87E-10	2.82E-09	3.80E-09
9429	437065.27	3763499.98	1.19E-08	3.74E-08	4.92E-08	1.84E-09	6.11E-09	7.95E-09	9.93E-10	2.83E-09	3.83E-09
9430	437056.45	3763496.34	1.19E-08	3.76E-08	4.95E-08	1.85E-09	6.14E-09	7.99E-09	9.98E-10	2.85E-09	3.85E-09
9431	437047.62	3763492.7	1.2E-08	3.78E-08	4.98E-08	1.86E-09	6.17E-09	8.03E-09	1.00E-09	2.86E-09	3.87E-09
9432	437038.79	3763489.06	1.2E-08	3.77E-08	4.96E-08	1.86E-09	6.15E-09	8.01E-09	1.00E-09	2.85E-09	3.86E-09
9433	437029.97	3763485.42	1.2E-08	3.79E-08	5.00E-08	1.87E-09	6.19E-09	8.07E-09	1.01E-09	2.87E-09	3.88E-09
9434	437021.14	3763481.78	1.22E-08	3.84E-08	5.06E-08	1.89E-09	6.27E-09	8.16E-09	1.02E-09	2.91E-09	3.93E-09
9435	437012.31	3763478.14	1.23E-08	3.86E-08	5.09E-08	1.91E-09	6.31E-09	8.21E-09	1.03E-09	2.93E-09	3.95E-09
9436	437003.49	3763474.5	1.23E-08	3.88E-08	5.12E-08	1.92E-09	6.35E-09	8.26E-09	1.03E-09	2.94E-09	3.98E-09
9437	436994.66	3763470.86	1.24E-08	3.91E-08	5.15E-08	1.93E-09	6.39E-09	8.32E-09	1.04E-09	2.96E-09	4.00E-09
9438	436985.83	3763467.22	1.25E-08	3.93E-08	5.18E-08	1.94E-09	6.43E-09	8.37E-09	1.05E-09	2.98E-09	4.03E-09
9439	436977.01	3763463.58	1.26E-08	3.95E-08	5.21E-08	1.95E-09	6.46E-09	8.41E-09	1.05E-09	3.00E-09	4.05E-09
9440	436968.18	3763459.94	1.26E-08	3.97E-08	5.24E-08	1.96E-09	6.49E-09	8.45E-09	1.06E-09	3.01E-09	4.07E-09
9441	436959.35	3763456.3	1.27E-08	3.99E-08	5.26E-08	1.97E-09	6.53E-09	8.50E-09	1.06E-09	3.03E-09	4.09E-09
9442	436950.53	3763452.66	1.28E-08	4.02E-08	5.29E-08	1.98E-09	6.56E-09	8.54E-09	1.07E-09	3.04E-09	4.11E-09
9443	436941.7	3763449.02	1.28E-08	4.03E-08	5.31E-08	1.99E-09	6.59E-09	8.58E-09	1.07E-09	3.06E-09	4.13E-09
9444	436932.87	3763445.38	1.29E-08	4.05E-08	5.34E-08	2.00E-09	6.62E-09	8.62E-09	1.08E-09	3.07E-09	4.15E-09
9445	436924.05	3763441.74	1.29E-08	4.07E-08	5.36E-08	2.01E-09	6.65E-09	8.65E-09	1.08E-09	3.08E-09	4.16E-09
9446	436915.22	3763438.1	1.3E-08	4.09E-08	5.38E-08	2.02E-09	6.67E-09	8.69E-09	1.09E-09	3.10E-09	4.18E-09
9447	436906.39	3763434.46	1.3E-08	4.10E-08	5.40E-08	2.02E-09	6.70E-09	8.72E-09	1.09E-09	3.11E-09	4.20E-09
9448	436897.57	3763430.82	1.31E-08	4.12E-08	5.42E-08	2.03E-09	6.72E-09	8.75E-09	1.09E-09	3.12E-09	4.21E-09
9449	436888.74	3763427.18	1.31E-08	4.13E-08	5.44E-08	2.04E-09	6.75E-09	8.78E-09	1.10E-09	3.13E-09	4.23E-09
9450	436879.92	3763423.54	1.31E-08	4.14E-08	5.45E-08	2.04E-09	6.76E-09	8.80E-09	1.10E-09	3.13E-09	4.23E-09
9451	436871.09	3763419.9	1.31E-08	4.14E-08	5.46E-08	2.04E-09	6.76E-09	8.81E-09	1.10E-09	3.14E-09	4.24E-09

9452	436862.26	3763416.26	1.32E-08	4.14E-08	5.46E-08	2.04E-09	6.77E-09	8.81E-09	1.10E-09	3.14E-09	4.24E-09
9453	436853.44	3763412.62	1.32E-08	4.15E-08	5.47E-08	2.05E-09	6.78E-09	8.82E-09	1.10E-09	3.14E-09	4.25E-09
9454	436844.61	3763408.98	1.32E-08	4.16E-08	5.47E-08	2.05E-09	6.79E-09	8.84E-09	1.10E-09	3.15E-09	4.25E-09
9455	436835.78	3763405.34	1.32E-08	4.16E-08	5.49E-08	2.05E-09	6.80E-09	8.86E-09	1.11E-09	3.16E-09	4.26E-09
9456	436823.3	3763392.88	1.35E-08	4.24E-08	5.59E-08	2.09E-09	6.93E-09	9.03E-09	1.13E-09	3.22E-09	4.34E-09
9457	436819.64	3763384.06	1.37E-08	4.32E-08	5.69E-08	2.13E-09	7.05E-09	9.18E-09	1.15E-09	3.27E-09	4.42E-09
9458	436815.98	3763375.24	1.39E-08	4.39E-08	5.78E-08	2.17E-09	7.17E-09	9.34E-09	1.17E-09	3.33E-09	4.49E-09
9459	436812.32	3763366.42	1.42E-08	4.46E-08	5.88E-08	2.20E-09	7.29E-09	9.49E-09	1.19E-09	3.38E-09	4.57E-09
9460	436808.66	3763357.6	1.44E-08	4.54E-08	5.98E-08	2.24E-09	7.42E-09	9.65E-09	1.21E-09	3.44E-09	4.65E-09
9461	436805.01	3763348.78	1.47E-08	4.62E-08	6.08E-08	2.28E-09	7.54E-09	9.82E-09	1.23E-09	3.50E-09	4.72E-09
9462	436801.35	3763339.96	1.49E-08	4.70E-08	6.20E-08	2.32E-09	7.68E-09	1.00E-08	1.25E-09	3.56E-09	4.81E-09
9463	436797.69	3763331.15	1.52E-08	4.79E-08	6.31E-08	2.36E-09	7.82E-09	1.02E-08	1.27E-09	3.63E-09	4.90E-09
9464	436794.03	3763322.33	1.55E-08	4.88E-08	6.43E-08	2.41E-09	7.97E-09	1.04E-08	1.30E-09	3.70E-09	4.99E-09
9465	436790.37	3763313.51	1.57E-08	4.96E-08	6.53E-08	2.45E-09	8.10E-09	1.05E-08	1.32E-09	3.76E-09	5.07E-09
9466	436786.71	3763304.69	1.6E-08	5.04E-08	6.63E-08	2.48E-09	8.23E-09	1.07E-08	1.34E-09	3.82E-09	5.15E-09
9467	436783.06	3763295.87	1.62E-08	5.11E-08	6.74E-08	2.52E-09	8.36E-09	1.09E-08	1.36E-09	3.88E-09	5.24E-09
9468	436742.82	3763198.86	1.88E-08	5.93E-08	7.81E-08	2.93E-09	9.68E-09	1.26E-08	1.58E-09	4.49E-09	6.07E-09
9469	436739.16	3763190.04	1.91E-08	6.01E-08	7.92E-08	2.97E-09	9.83E-09	1.28E-08	1.60E-09	4.56E-09	6.16E-09
9470	436735.5	3763181.22	1.93E-08	6.09E-08	8.02E-08	3.00E-09	9.95E-09	1.29E-08	1.62E-09	4.61E-09	6.23E-09
9471	436731.84	3763172.4	1.95E-08	6.15E-08	8.10E-08	3.03E-09	1.00E-08	1.31E-08	1.63E-09	4.66E-09	6.30E-09
9472	436728.18	3763163.59	1.97E-08	6.21E-08	8.18E-08	3.06E-09	1.01E-08	1.32E-08	1.65E-09	4.71E-09	6.36E-09
9473	436724.52	3763154.77	1.99E-08	6.27E-08	8.26E-08	3.09E-09	1.02E-08	1.33E-08	1.67E-09	4.75E-09	6.42E-09
9474	436720.87	3763145.95	2.01E-08	6.33E-08	8.33E-08	3.12E-09	1.03E-08	1.35E-08	1.68E-09	4.79E-09	6.47E-09
9475	436717.21	3763137.13	2.03E-08	6.38E-08	8.40E-08	3.15E-09	1.04E-08	1.36E-08	1.70E-09	4.83E-09	6.53E-09
9476	436713.55	3763128.31	2.04E-08	6.43E-08	8.47E-08	3.17E-09	1.05E-08	1.37E-08	1.71E-09	4.87E-09	6.58E-09
9477	436709.89	3763119.49	2.06E-08	6.48E-08	8.53E-08	3.19E-09	1.06E-08	1.38E-08	1.72E-09	4.91E-09	6.63E-09
9478	436706.23	3763110.67	2.07E-08	6.52E-08	8.59E-08	3.22E-09	1.07E-08	1.39E-08	1.73E-09	4.94E-09	6.67E-09
9479	436702.57	3763101.85	2.08E-08	6.56E-08	8.65E-08	3.24E-09	1.07E-08	1.40E-08	1.74E-09	4.97E-09	6.72E-09
9480	436698.92	3763093.03	2.1E-08	6.60E-08	8.70E-08	3.26E-09	1.08E-08	1.40E-08	1.75E-09	5.00E-09	6.76E-09
9481	436695.26	3763084.21	2.11E-08	6.64E-08	8.75E-08	3.27E-09	1.08E-08	1.41E-08	1.76E-09	5.03E-09	6.79E-09
9482	436691.6	3763075.4	2.12E-08	6.67E-08	8.79E-08	3.29E-09	1.09E-08	1.42E-08	1.77E-09	5.05E-09	6.83E-09
9483	436687.94	3763066.58	2.13E-08	6.70E-08	8.83E-08	3.31E-09	1.09E-08	1.43E-08	1.78E-09	5.08E-09	6.86E-09
9484	436684.28	3763057.76	2.14E-08	6.73E-08	8.86E-08	3.32E-09	1.10E-08	1.43E-08	1.79E-09	5.10E-09	6.89E-09
9485	436680.62	3763048.94	2.14E-08	6.75E-08	8.90E-08	3.33E-09	1.10E-08	1.44E-08	1.79E-09	5.12E-09	6.91E-09
9486	436676.97	3763040.12	2.15E-08	6.77E-08	8.93E-08	3.34E-09	1.11E-08	1.44E-08	1.80E-09	5.13E-09	6.93E-09
9487	436673.31	3763031.3	2.16E-08	6.79E-08	8.95E-08	3.35E-09	1.11E-08	1.44E-08	1.81E-09	5.15E-09	6.95E-09
9488	436669.65	3763022.48	2.16E-08	6.81E-08	8.97E-08	3.36E-09	1.11E-08	1.45E-08	1.81E-09	5.16E-09	6.97E-09
9489	436665.99	3763013.66	2.17E-08	6.82E-08	8.98E-08	3.36E-09	1.11E-08	1.45E-08	1.81E-09	5.17E-09	6.98E-09
9490	436662.33	3763004.84	2.17E-08	6.83E-08	8.99E-08	3.37E-09	1.12E-08	1.45E-08	1.81E-09	5.17E-09	6.99E-09
9491	436658.67	3762996.02	2.17E-08	6.83E-08	9.00E-08	3.37E-09	1.12E-08	1.45E-08	1.82E-09	5.18E-09	6.99E-09
9492	436655.02	3762987.21	2.17E-08	6.84E-08	9.01E-08	3.37E-09	1.12E-08	1.45E-08	1.82E-09	5.18E-09	7.00E-09
9493	436651.36	3762978.39	2.17E-08	6.84E-08	9.01E-08	3.37E-09	1.12E-08	1.45E-08	1.82E-09	5.18E-09	7.00E-09
9494	436647.7	3762969.57	2.17E-08	6.83E-08	9.00E-08	3.37E-09	1.12E-08	1.45E-08	1.82E-09	5.18E-09	7.00E-09
9495	436644.04	3762960.75	2.17E-08	6.83E-08	9.00E-08	3.37E-09	1.12E-08	1.45E-08	1.82E-09	5.18E-09	6.99E-09
9496	436640.38	3762951.93	2.17E-08	6.82E-08	8.99E-08	3.37E-09	1.11E-08	1.45E-08	1.81E-09	5.17E-09	6.98E-09
9497	436636.72	3762943.11	2.16E-08	6.82E-08	8.98E-08	3.36E-09	1.11E-08	1.45E-08	1.81E-09	5.16E-09	6.98E-09
9498	436633.07	3762934.29	2.16E-08	6.81E-08	8.97E-08	3.36E-09	1.11E-08	1.45E-08	1.81E-09	5.16E-09	6.97E-09
9499	436629.41	3762925.47	2.16E-08	6.79E-08	8.95E-08	3.35E-09	1.11E-08	1.44E-08	1.81E-09	5.15E-09	6.95E-09
9500	436625.75	3762916.65	2.15E-08	6.78E-08	8.93E-08	3.35E-09	1.11E-08	1.44E-08	1.80E-09	5.14E-09	6.94E-09
9501	437365.38	3763623.74	1.03E-08	3.24E-08	4.27E-08	1.60E-09	5.29E-09	6.89E-09	8.61E-10	2.46E-09	3.32E-09
9502	437375.03	3763623.72	1.04E-08	3.26E-08	4.29E-08	1.61E-09	5.32E-09	6.93E-09	8.66E-10	2.47E-09	3.34E-09
9503	437384.68	3763623.7	1.04E-08	3.28E-08	4.32E-08	1.62E-09	5.35E-09	6.97E-09	8.71E-10	2.48E-09	3.35E-09
9504	437394.33	3763623.68	1.05E-08	3.30E-08	4.34E-08	1.63E-09	5.38E-09	7.01E-09	8.76E-10	2.50E-09	3.37E-09
9505	437403.98	3763623.66	1.05E-08	3.32E-08	4.37E-08	1.64E-09	5.42E-09	7.05E-09	8.81E-10	2.51E-09	3.39E-09
9506	437413.63	3763623.64	1.06E-08	3.34E-08	4.40E-08	1.65E-09	5.45E-09	7.10E-09	8.87E-10	2.53E-09	3.41E-09
9507	437423.28	3763623.62	1.07E-08	3.36E-08	4.43E-08	1.66E-09	5.49E-09	7.14E-09	8.93E-10	2.54E-09	3.44E-09
9508	437432.93	3763623.6	1.07E-08	3.38E-08	4.45E-08	1.67E-09	5.52E-09	7.19E-09	8.99E-10	2.56E-09	3.46E-09
9509	437442.58	3763623.58	1.08E-08	3.40E-08	4.48E-08	1.68E-09	5.56E-09	7.24E-09	9.04E-10	2.58E-09	3.48E-09
9510	437452.23	3763623.56	1.09E-08	3.43E-08	4.51E-08	1.69E-09	5.60E-09	7.29E-09	9.11E-10	2.60E-09	3.51E-09
9511	437461.88	3763623.54	1.1E-08	3.45E-08	4.54E-08	1.70E-09	5.63E-09	7.34E-09	9.17E-10	2.61E-09	3.53E-09
9512	437471.53	3763623.52	1.1E-08	3.47E-08	4.57E-08	1.71E-09	5.67E-09	7.38E-09	9.22E-10	2.63E-09	3.55E-09

9513	437481.18	3763623.5	1.11E-08	3.49E-08	4.60E-08	1.72E-09	5.70E-09	7.42E-09	9.28E-10	2.64E-09	3.57E-09
9514	437490.83	3763623.48	1.11E-08	3.51E-08	4.62E-08	1.73E-09	5.73E-09	7.47E-09	9.33E-10	2.66E-09	3.59E-09
9515	437500.48	3763623.46	1.12E-08	3.53E-08	4.65E-08	1.74E-09	5.76E-09	7.50E-09	9.37E-10	2.67E-09	3.61E-09
9516	437510.13	3763623.44	1.12E-08	3.54E-08	4.66E-08	1.75E-09	5.78E-09	7.53E-09	9.41E-10	2.68E-09	3.62E-09
9517	437519.78	3763623.42	1.13E-08	3.56E-08	4.68E-08	1.75E-09	5.81E-09	7.56E-09	9.45E-10	2.69E-09	3.64E-09
9518	437529.43	3763623.4	1.14E-08	3.58E-08	4.71E-08	1.76E-09	5.84E-09	7.61E-09	9.51E-10	2.71E-09	3.66E-09
9519	437539.08	3763623.38	1.14E-08	3.60E-08	4.74E-08	1.77E-09	5.88E-09	7.65E-09	9.56E-10	2.73E-09	3.68E-09
9520	437548.74	3763623.36	1.15E-08	3.62E-08	4.77E-08	1.79E-09	5.91E-09	7.70E-09	9.62E-10	2.74E-09	3.70E-09
9521	437356.6	3763660.09	9.52E-09	3.00E-08	3.95E-08	1.48E-09	4.90E-09	6.38E-09	7.97E-10	2.27E-09	3.07E-09
9522	437347.75	3763656.43	9.55E-09	3.01E-08	3.96E-08	1.48E-09	4.91E-09	6.40E-09	7.99E-10	2.28E-09	3.08E-09
9523	437338.89	3763652.78	9.58E-09	3.02E-08	3.97E-08	1.49E-09	4.93E-09	6.42E-09	8.02E-10	2.29E-09	3.09E-09
9524	437330.04	3763649.13	9.59E-09	3.02E-08	3.98E-08	1.49E-09	4.93E-09	6.42E-09	8.03E-10	2.29E-09	3.09E-09
9525	437321.18	3763645.48	9.6E-09	3.02E-08	3.98E-08	1.49E-09	4.94E-09	6.43E-09	8.03E-10	2.29E-09	3.09E-09
9526	437312.32	3763641.83	9.61E-09	3.03E-08	3.99E-08	1.49E-09	4.94E-09	6.44E-09	8.04E-10	2.29E-09	3.10E-09
9527	437303.47	3763638.17	9.62E-09	3.03E-08	3.99E-08	1.50E-09	4.95E-09	6.45E-09	8.06E-10	2.30E-09	3.10E-09
9528	437294.61	3763634.52	9.64E-09	3.04E-08	4.00E-08	1.50E-09	4.96E-09	6.46E-09	8.07E-10	2.30E-09	3.11E-09
9529	437285.76	3763630.87	9.67E-09	3.04E-08	4.01E-08	1.50E-09	4.97E-09	6.47E-09	8.09E-10	2.31E-09	3.12E-09
9530	437276.9	3763627.22	9.69E-09	3.05E-08	4.02E-08	1.51E-09	4.98E-09	6.49E-09	8.11E-10	2.31E-09	3.12E-09
9531	437268.05	3763623.57	9.72E-09	3.06E-08	4.03E-08	1.51E-09	5.00E-09	6.51E-09	8.13E-10	2.32E-09	3.13E-09
9532	437259.19	3763619.91	9.75E-09	3.07E-08	4.05E-08	1.52E-09	5.02E-09	6.53E-09	8.16E-10	2.33E-09	3.14E-09
9533	437250.34	3763616.26	9.79E-09	3.08E-08	4.06E-08	1.52E-09	5.03E-09	6.55E-09	8.19E-10	2.34E-09	3.15E-09
9534	437241.48	3763612.61	9.79E-09	3.08E-08	4.06E-08	1.52E-09	5.04E-09	6.56E-09	8.20E-10	2.34E-09	3.16E-09
9535	437232.62	3763608.96	9.8E-09	3.09E-08	4.07E-08	1.52E-09	5.04E-09	6.57E-09	8.20E-10	2.34E-09	3.16E-09
9536	437223.77	3763605.31	9.81E-09	3.09E-08	4.07E-08	1.52E-09	5.05E-09	6.57E-09	8.21E-10	2.34E-09	3.16E-09
9537	437214.91	3763601.65	9.81E-09	3.09E-08	4.07E-08	1.53E-09	5.05E-09	6.57E-09	8.22E-10	2.34E-09	3.16E-09
9538	437206.06	3763598	9.83E-09	3.10E-08	4.08E-08	1.53E-09	5.06E-09	6.59E-09	8.23E-10	2.35E-09	3.17E-09
9539	437197.2	3763594.35	9.85E-09	3.10E-08	4.09E-08	1.53E-09	5.07E-09	6.60E-09	8.25E-10	2.35E-09	3.18E-09
9540	437188.35	3763590.7	9.88E-09	3.11E-08	4.10E-08	1.54E-09	5.08E-09	6.62E-09	8.27E-10	2.36E-09	3.18E-09
9541	437144.07	3763572.44	1.01E-08	3.18E-08	4.19E-08	1.57E-09	5.19E-09	6.76E-09	8.45E-10	2.41E-09	3.25E-09
9542	437135.21	3763568.79	1.01E-08	3.19E-08	4.20E-08	1.57E-09	5.21E-09	6.79E-09	8.48E-10	2.42E-09	3.27E-09
9543	437126.36	3763565.13	1.02E-08	3.20E-08	4.22E-08	1.58E-09	5.23E-09	6.81E-09	8.51E-10	2.43E-09	3.28E-09
9544	437117.5	3763561.48	1.02E-08	3.21E-08	4.24E-08	1.59E-09	5.25E-09	6.84E-09	8.55E-10	2.44E-09	3.29E-09
9545	437108.65	3763557.83	1.03E-08	3.23E-08	4.26E-08	1.60E-09	5.28E-09	6.88E-09	8.60E-10	2.45E-09	3.31E-09
9546	437099.79	3763554.18	1.03E-08	3.26E-08	4.29E-08	1.61E-09	5.32E-09	6.93E-09	8.66E-10	2.47E-09	3.33E-09
9547	437090.94	3763550.53	1.04E-08	3.29E-08	4.33E-08	1.62E-09	5.37E-09	6.99E-09	8.74E-10	2.49E-09	3.36E-09
9548	437082.08	3763546.87	1.05E-08	3.32E-08	4.37E-08	1.64E-09	5.42E-09	7.06E-09	8.82E-10	2.51E-09	3.40E-09
9549	437073.22	3763543.22	1.07E-08	3.38E-08	4.46E-08	1.67E-09	5.53E-09	7.20E-09	9.00E-10	2.56E-09	3.46E-09
9550	437064.37	3763539.57	1.08E-08	3.41E-08	4.49E-08	1.68E-09	5.57E-09	7.25E-09	9.06E-10	2.58E-09	3.49E-09
9551	437055.51	3763535.92	1.09E-08	3.43E-08	4.52E-08	1.69E-09	5.60E-09	7.29E-09	9.11E-10	2.60E-09	3.51E-09
9552	437046.66	3763532.27	1.1E-08	3.45E-08	4.55E-08	1.70E-09	5.64E-09	7.34E-09	9.18E-10	2.62E-09	3.53E-09
9553	437037.8	3763528.61	1.1E-08	3.48E-08	4.58E-08	1.72E-09	5.68E-09	7.39E-09	9.24E-10	2.63E-09	3.56E-09
9554	437028.95	3763524.96	1.11E-08	3.50E-08	4.61E-08	1.72E-09	5.71E-09	7.44E-09	9.29E-10	2.65E-09	3.58E-09
9555	437020.09	3763521.31	1.12E-08	3.52E-08	4.63E-08	1.73E-09	5.74E-09	7.48E-09	9.34E-10	2.66E-09	3.60E-09
9556	437011.23	3763517.66	1.12E-08	3.53E-08	4.66E-08	1.74E-09	5.77E-09	7.52E-09	9.39E-10	2.68E-09	3.62E-09
9557	437002.38	3763514.01	1.13E-08	3.55E-08	4.68E-08	1.75E-09	5.80E-09	7.55E-09	9.44E-10	2.69E-09	3.63E-09
9558	436993.52	3763510.35	1.13E-08	3.57E-08	4.70E-08	1.76E-09	5.83E-09	7.59E-09	9.49E-10	2.70E-09	3.65E-09
9559	436984.67	3763506.7	1.14E-08	3.59E-08	4.73E-08	1.77E-09	5.86E-09	7.63E-09	9.53E-10	2.72E-09	3.67E-09
9560	436975.81	3763503.05	1.14E-08	3.60E-08	4.75E-08	1.78E-09	5.89E-09	7.67E-09	9.58E-10	2.73E-09	3.69E-09
9561	436966.96	3763499.4	1.15E-08	3.62E-08	4.77E-08	1.79E-09	5.91E-09	7.70E-09	9.62E-10	2.74E-09	3.70E-09
9562	436958.1	3763495.75	1.15E-08	3.64E-08	4.79E-08	1.79E-09	5.94E-09	7.74E-09	9.67E-10	2.76E-09	3.72E-09
9563	436949.25	3763492.1	1.16E-08	3.65E-08	4.81E-08	1.80E-09	5.97E-09	7.77E-09	9.71E-10	2.77E-09	3.74E-09
9564	436940.39	3763488.44	1.16E-08	3.67E-08	4.83E-08	1.81E-09	5.99E-09	7.80E-09	9.74E-10	2.78E-09	3.75E-09
9565	436931.53	3763484.79	1.17E-08	3.68E-08	4.85E-08	1.82E-09	6.01E-09	7.82E-09	9.78E-10	2.79E-09	3.77E-09
9566	436922.68	3763481.14	1.17E-08	3.69E-08	4.87E-08	1.82E-09	6.03E-09	7.85E-09	9.82E-10	2.80E-09	3.78E-09
9567	436913.82	3763477.49	1.18E-08	3.71E-08	4.89E-08	1.83E-09	6.06E-09	7.89E-09	9.86E-10	2.81E-09	3.80E-09
9568	436904.97	3763473.84	1.18E-08	3.72E-08	4.90E-08	1.84E-09	6.08E-09	7.92E-09	9.89E-10	2.82E-09	3.81E-09
9569	436896.11	3763470.18	1.19E-08	3.74E-08	4.92E-08	1.84E-09	6.11E-09	7.95E-09	9.93E-10	2.83E-09	3.83E-09
9570	436887.26	3763466.53	1.19E-08	3.75E-08	4.94E-08	1.85E-09	6.13E-09	7.98E-09	9.97E-10	2.84E-09	3.84E-09
9571	436878.4	3763462.88	1.2E-08	3.77E-08	4.96E-08	1.86E-09	6.15E-09	8.01E-09	1.00E-09	2.85E-09	3.85E-09
9572	436869.55	3763459.23	1.2E-08	3.78E-08	4.98E-08	1.86E-09	6.17E-09	8.04E-09	1.00E-09	2.86E-09	3.87E-09
9573	436860.69	3763455.58	1.2E-08	3.79E-08	4.99E-08	1.87E-09	6.19E-09	8.06E-09	1.01E-09	2.87E-09	3.88E-09

9574	436851.83	3763451.92	1.21E-08	3.81E-08	5.01E-08	1.88E-09	6.22E-09	8.09E-09	1.01E-09	2.88E-09	3.89E-09
9575	436842.98	3763448.27	1.21E-08	3.82E-08	5.03E-08	1.88E-09	6.24E-09	8.12E-09	1.01E-09	2.89E-09	3.91E-09
9576	436834.12	3763444.62	1.22E-08	3.83E-08	5.04E-08	1.89E-09	6.25E-09	8.14E-09	1.02E-09	2.90E-09	3.92E-09
9577	436825.27	3763440.97	1.22E-08	3.84E-08	5.06E-08	1.89E-09	6.27E-09	8.17E-09	1.02E-09	2.91E-09	3.93E-09
9578	436816.41	3763437.32	1.22E-08	3.85E-08	5.07E-08	1.90E-09	6.29E-09	8.19E-09	1.02E-09	2.92E-09	3.94E-09
9579	436807.56	3763433.66	1.23E-08	3.86E-08	5.09E-08	1.90E-09	6.31E-09	8.21E-09	1.03E-09	2.92E-09	3.95E-09
9580	436795.03	3763421.16	1.25E-08	3.93E-08	5.17E-08	1.94E-09	6.41E-09	8.35E-09	1.04E-09	2.98E-09	4.02E-09
9581	436791.36	3763412.32	1.27E-08	3.99E-08	5.25E-08	1.97E-09	6.51E-09	8.48E-09	1.06E-09	3.02E-09	4.08E-09
9582	436787.69	3763403.47	1.29E-08	4.05E-08	5.33E-08	2.00E-09	6.61E-09	8.61E-09	1.08E-09	3.07E-09	4.14E-09
9583	436784.02	3763394.62	1.31E-08	4.11E-08	5.42E-08	2.03E-09	6.72E-09	8.75E-09	1.09E-09	3.12E-09	4.21E-09
9584	436780.35	3763385.77	1.33E-08	4.18E-08	5.50E-08	2.06E-09	6.82E-09	8.89E-09	1.11E-09	3.17E-09	4.28E-09
9585	436739.98	3763288.44	1.57E-08	4.94E-08	6.51E-08	2.44E-09	8.08E-09	1.05E-08	1.31E-09	3.75E-09	5.06E-09
9586	436736.31	3763279.6	1.59E-08	5.00E-08	6.59E-08	2.47E-09	8.17E-09	1.06E-08	1.33E-09	3.79E-09	5.12E-09
9587	436732.64	3763270.75	1.61E-08	5.06E-08	6.67E-08	2.50E-09	8.27E-09	1.08E-08	1.35E-09	3.84E-09	5.18E-09
9588	436728.96	3763261.9	1.63E-08	5.12E-08	6.75E-08	2.53E-09	8.37E-09	1.09E-08	1.36E-09	3.88E-09	5.24E-09
9589	436725.29	3763253.05	1.65E-08	5.18E-08	6.83E-08	2.56E-09	8.46E-09	1.10E-08	1.38E-09	3.93E-09	5.30E-09
9590	436721.62	3763244.2	1.66E-08	5.24E-08	6.90E-08	2.59E-09	8.56E-09	1.11E-08	1.39E-09	3.97E-09	5.36E-09
9591	436717.95	3763235.36	1.68E-08	5.30E-08	6.98E-08	2.61E-09	8.65E-09	1.13E-08	1.41E-09	4.01E-09	5.42E-09
9592	436714.28	3763226.51	1.7E-08	5.35E-08	7.05E-08	2.64E-09	8.75E-09	1.14E-08	1.42E-09	4.06E-09	5.48E-09
9593	436710.61	3763217.66	1.72E-08	5.42E-08	7.14E-08	2.68E-09	8.86E-09	1.15E-08	1.44E-09	4.11E-09	5.55E-09
9594	436706.94	3763208.81	1.74E-08	5.49E-08	7.23E-08	2.71E-09	8.97E-09	1.17E-08	1.46E-09	4.16E-09	5.62E-09
9595	436703.27	3763199.96	1.77E-08	5.56E-08	7.33E-08	2.74E-09	9.08E-09	1.18E-08	1.48E-09	4.21E-09	5.69E-09
9596	436699.6	3763191.12	1.79E-08	5.63E-08	7.41E-08	2.78E-09	9.19E-09	1.20E-08	1.50E-09	4.26E-09	5.76E-09
9597	436695.93	3763182.27	1.81E-08	5.69E-08	7.50E-08	2.81E-09	9.29E-09	1.21E-08	1.51E-09	4.31E-09	5.82E-09
9598	436692.26	3763173.42	1.83E-08	5.75E-08	7.58E-08	2.84E-09	9.39E-09	1.22E-08	1.53E-09	4.36E-09	5.88E-09
9599	436688.59	3763164.57	1.84E-08	5.80E-08	7.64E-08	2.86E-09	9.47E-09	1.23E-08	1.54E-09	4.39E-09	5.94E-09
9600	436684.92	3763155.72	1.86E-08	5.85E-08	7.70E-08	2.88E-09	9.55E-09	1.24E-08	1.55E-09	4.43E-09	5.98E-09
9601	436681.25	3763146.88	1.87E-08	5.89E-08	7.76E-08	2.91E-09	9.63E-09	1.25E-08	1.57E-09	4.46E-09	6.03E-09
9602	436677.58	3763138.03	1.88E-08	5.93E-08	7.82E-08	2.93E-09	9.69E-09	1.26E-08	1.58E-09	4.50E-09	6.07E-09
9603	436673.91	3763129.18	1.9E-08	5.97E-08	7.87E-08	2.95E-09	9.76E-09	1.27E-08	1.59E-09	4.53E-09	6.11E-09
9604	436670.24	3763120.33	1.91E-08	6.01E-08	7.92E-08	2.97E-09	9.82E-09	1.28E-08	1.60E-09	4.56E-09	6.15E-09
9605	436666.57	3763111.48	1.92E-08	6.05E-08	7.97E-08	2.98E-09	9.88E-09	1.29E-08	1.61E-09	4.58E-09	6.19E-09
9606	436662.9	3763102.64	1.93E-08	6.08E-08	8.01E-08	3.00E-09	9.93E-09	1.29E-08	1.62E-09	4.61E-09	6.22E-09
9607	436659.23	3763093.79	1.94E-08	6.11E-08	8.05E-08	3.02E-09	9.98E-09	1.30E-08	1.62E-09	4.63E-09	6.26E-09
9608	436655.56	3763084.94	1.95E-08	6.14E-08	8.09E-08	3.03E-09	1.00E-08	1.31E-08	1.63E-09	4.65E-09	6.28E-09
9609	436651.89	3763076.09	1.96E-08	6.16E-08	8.12E-08	3.04E-09	1.01E-08	1.31E-08	1.64E-09	4.67E-09	6.31E-09
9610	436648.22	3763067.24	1.96E-08	6.19E-08	8.15E-08	3.05E-09	1.01E-08	1.32E-08	1.64E-09	4.69E-09	6.33E-09
9611	436644.55	3763058.4	1.97E-08	6.21E-08	8.18E-08	3.06E-09	1.01E-08	1.32E-08	1.65E-09	4.70E-09	6.35E-09
9612	436640.88	3763049.55	1.98E-08	6.22E-08	8.20E-08	3.07E-09	1.02E-08	1.32E-08	1.65E-09	4.72E-09	6.37E-09
9613	436637.21	3763040.7	1.98E-08	6.24E-08	8.22E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.73E-09	6.38E-09
9614	436633.54	3763031.85	1.98E-08	6.25E-08	8.23E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.74E-09	6.40E-09
9615	436629.87	3763023	1.99E-08	6.26E-08	8.25E-08	3.09E-09	1.02E-08	1.33E-08	1.66E-09	4.74E-09	6.41E-09
9616	436626.2	3763014.16	1.99E-08	6.27E-08	8.26E-08	3.09E-09	1.02E-08	1.33E-08	1.67E-09	4.75E-09	6.41E-09
9617	436622.53	3763005.31	1.99E-08	6.27E-08	8.26E-08	3.09E-09	1.02E-08	1.33E-08	1.67E-09	4.75E-09	6.42E-09
9618	436618.85	3762996.46	1.99E-08	6.27E-08	8.27E-08	3.10E-09	1.02E-08	1.33E-08	1.67E-09	4.75E-09	6.42E-09
9619	436615.18	3762987.61	1.99E-08	6.27E-08	8.26E-08	3.09E-09	1.02E-08	1.33E-08	1.67E-09	4.75E-09	6.42E-09
9620	436611.51	3762978.76	1.99E-08	6.27E-08	8.26E-08	3.09E-09	1.02E-08	1.33E-08	1.67E-09	4.75E-09	6.42E-09
9621	436607.84	3762969.92	1.99E-08	6.27E-08	8.26E-08	3.09E-09	1.02E-08	1.33E-08	1.67E-09	4.75E-09	6.41E-09
9622	436604.17	3762961.07	1.99E-08	6.25E-08	8.24E-08	3.09E-09	1.02E-08	1.33E-08	1.66E-09	4.74E-09	6.40E-09
9623	436600.5	3762952.22	1.98E-08	6.25E-08	8.23E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.73E-09	6.39E-09
9624	436596.83	3762943.37	1.98E-08	6.24E-08	8.22E-08	3.08E-09	1.02E-08	1.33E-08	1.66E-09	4.73E-09	6.38E-09
9625	436593.16	3762934.52	1.98E-08	6.23E-08	8.21E-08	3.07E-09	1.02E-08	1.32E-08	1.66E-09	4.72E-09	6.38E-09
9626	436589.49	3762925.68	1.98E-08	6.22E-08	8.20E-08	3.07E-09	1.02E-08	1.32E-08	1.65E-09	4.71E-09	6.37E-09
9627	436585.82	3762916.83	1.97E-08	6.21E-08	8.18E-08	3.06E-09	1.01E-08	1.32E-08	1.65E-09	4.71E-09	6.36E-09
9628	437365.46	3763663.74	9.5E-09	2.99E-08	3.94E-08	1.48E-09	4.89E-09	6.36E-09	7.95E-10	2.27E-09	3.06E-09
9629	437375.11	3763663.72	9.54E-09	3.00E-08	3.96E-08	1.48E-09	4.91E-09	6.39E-09	7.98E-10	2.28E-09	3.07E-09
9630	437384.76	3763663.7	9.58E-09	3.02E-08	3.98E-08	1.49E-09	4.93E-09	6.42E-09	8.02E-10	2.29E-09	3.09E-09
9631	437394.41	3763663.68	9.62E-09	3.03E-08	3.99E-08	1.50E-09	4.95E-09	6.45E-09	8.06E-10	2.30E-09	3.10E-09
9632	437404.06	3763663.66	9.67E-09	3.05E-08	4.01E-08	1.50E-09	4.97E-09	6.48E-09	8.09E-10	2.31E-09	3.12E-09
9633	437413.71	3763663.64	9.72E-09	3.06E-08	4.03E-08	1.51E-09	5.00E-09	6.51E-09	8.14E-10	2.32E-09	3.13E-09
9634	437423.36	3763663.62	9.77E-09	3.08E-08	4.06E-08	1.52E-09	5.03E-09	6.55E-09	8.18E-10	2.33E-09	3.15E-09

9635	437433.01	3763663.6	9.83E-09	3.09E-08	4.08E-08	1.53E-09	5.06E-09	6.58E-09	8.23E-10	2.35E-09	3.17E-09
9636	437442.66	3763663.58	9.89E-09	3.11E-08	4.10E-08	1.54E-09	5.09E-09	6.62E-09	8.27E-10	2.36E-09	3.19E-09
9637	437452.31	3763663.56	9.94E-09	3.13E-08	4.13E-08	1.54E-09	5.12E-09	6.66E-09	8.32E-10	2.37E-09	3.21E-09
9638	437461.96	3763663.54	1E-08	3.15E-08	4.15E-08	1.55E-09	5.15E-09	6.70E-09	8.37E-10	2.39E-09	3.22E-09
9639	437471.61	3763663.52	1.01E-08	3.17E-08	4.18E-08	1.56E-09	5.18E-09	6.74E-09	8.42E-10	2.40E-09	3.24E-09
9640	437481.26	3763663.5	1.01E-08	3.19E-08	4.20E-08	1.57E-09	5.21E-09	6.78E-09	8.48E-10	2.42E-09	3.26E-09
9641	437490.91	3763663.48	1.02E-08	3.21E-08	4.23E-08	1.58E-09	5.24E-09	6.83E-09	8.53E-10	2.43E-09	3.29E-09
9642	437500.57	3763663.46	1.02E-08	3.22E-08	4.25E-08	1.59E-09	5.27E-09	6.86E-09	8.57E-10	2.44E-09	3.30E-09
9643	437510.22	3763663.44	1.03E-08	3.24E-08	4.27E-08	1.60E-09	5.29E-09	6.89E-09	8.61E-10	2.45E-09	3.31E-09
9644	437519.87	3763663.42	1.03E-08	3.25E-08	4.29E-08	1.60E-09	5.31E-09	6.92E-09	8.65E-10	2.46E-09	3.33E-09
9645	437529.52	3763663.4	1.04E-08	3.27E-08	4.31E-08	1.61E-09	5.34E-09	6.95E-09	8.69E-10	2.48E-09	3.35E-09
9646	437539.17	3763663.38	1.04E-08	3.28E-08	4.33E-08	1.62E-09	5.36E-09	6.98E-09	8.73E-10	2.49E-09	3.36E-09
9647	437548.82	3763663.36	1.05E-08	3.30E-08	4.35E-08	1.63E-09	5.39E-09	7.02E-09	8.77E-10	2.50E-09	3.38E-09
9648	437356.66	3763700.08	8.82E-09	2.78E-08	3.66E-08	1.37E-09	4.54E-09	5.91E-09	7.39E-10	2.11E-09	2.84E-09
9649	437347.78	3763696.41	8.85E-09	2.79E-08	3.67E-08	1.37E-09	4.55E-09	5.93E-09	7.41E-10	2.11E-09	2.85E-09
9650	437338.89	3763692.75	8.87E-09	2.79E-08	3.68E-08	1.38E-09	4.56E-09	5.94E-09	7.42E-10	2.12E-09	2.86E-09
9651	437285.6	3763670.77	8.96E-09	2.82E-08	3.72E-08	1.39E-09	4.61E-09	6.00E-09	7.50E-10	2.14E-09	2.89E-09
9652	437276.72	3763667.11	8.98E-09	2.83E-08	3.73E-08	1.40E-09	4.62E-09	6.02E-09	7.52E-10	2.14E-09	2.89E-09
9653	437267.84	3763663.45	9.01E-09	2.84E-08	3.74E-08	1.40E-09	4.63E-09	6.03E-09	7.54E-10	2.15E-09	2.90E-09
9654	437258.96	3763659.78	9.03E-09	2.84E-08	3.75E-08	1.40E-09	4.65E-09	6.05E-09	7.56E-10	2.16E-09	2.91E-09
9655	437250.07	3763656.12	9.06E-09	2.85E-08	3.76E-08	1.41E-09	4.66E-09	6.07E-09	7.58E-10	2.16E-09	2.92E-09
9656	437241.19	3763652.46	9.07E-09	2.86E-08	3.76E-08	1.41E-09	4.67E-09	6.08E-09	7.59E-10	2.16E-09	2.92E-09
9657	437232.31	3763648.79	9.08E-09	2.86E-08	3.77E-08	1.41E-09	4.67E-09	6.09E-09	7.60E-10	2.17E-09	2.93E-09
9658	437223.43	3763645.13	9.09E-09	2.86E-08	3.77E-08	1.41E-09	4.68E-09	6.09E-09	7.61E-10	2.17E-09	2.93E-09
9659	437214.55	3763641.47	9.1E-09	2.87E-08	3.78E-08	1.41E-09	4.68E-09	6.10E-09	7.62E-10	2.17E-09	2.93E-09
9660	437205.66	3763637.81	9.11E-09	2.87E-08	3.78E-08	1.42E-09	4.69E-09	6.10E-09	7.63E-10	2.17E-09	2.94E-09
9661	437196.78	3763634.14	9.12E-09	2.87E-08	3.78E-08	1.42E-09	4.69E-09	6.11E-09	7.63E-10	2.18E-09	2.94E-09
9662	437187.9	3763630.48	9.13E-09	2.88E-08	3.79E-08	1.42E-09	4.70E-09	6.12E-09	7.65E-10	2.18E-09	2.94E-09
9663	437116.84	3763601.18	9.51E-09	3.00E-08	3.95E-08	1.48E-09	4.89E-09	6.37E-09	7.96E-10	2.27E-09	3.07E-09
9664	437107.96	3763597.51	9.54E-09	3.00E-08	3.96E-08	1.48E-09	4.91E-09	6.39E-09	7.98E-10	2.28E-09	3.07E-09
9665	437099.08	3763593.85	9.57E-09	3.01E-08	3.97E-08	1.49E-09	4.92E-09	6.41E-09	8.01E-10	2.28E-09	3.08E-09
9666	437090.2	3763590.19	9.62E-09	3.03E-08	3.99E-08	1.49E-09	4.95E-09	6.44E-09	8.05E-10	2.30E-09	3.10E-09
9667	437081.32	3763586.53	9.69E-09	3.05E-08	4.02E-08	1.51E-09	4.98E-09	6.49E-09	8.11E-10	2.31E-09	3.12E-09
9668	437072.43	3763582.86	9.86E-09	3.11E-08	4.09E-08	1.53E-09	5.07E-09	6.60E-09	8.25E-10	2.35E-09	3.18E-09
9669	437063.55	3763579.2	9.91E-09	3.12E-08	4.11E-08	1.54E-09	5.10E-09	6.64E-09	8.30E-10	2.37E-09	3.20E-09
9670	437054.67	3763575.54	9.97E-09	3.14E-08	4.14E-08	1.55E-09	5.13E-09	6.68E-09	8.34E-10	2.38E-09	3.21E-09
9671	437045.79	3763571.87	1E-08	3.15E-08	4.16E-08	1.56E-09	5.15E-09	6.71E-09	8.39E-10	2.39E-09	3.23E-09
9672	437036.91	3763568.21	1.01E-08	3.17E-08	4.18E-08	1.57E-09	5.18E-09	6.75E-09	8.43E-10	2.40E-09	3.25E-09
9673	437028.02	3763564.55	1.01E-08	3.19E-08	4.20E-08	1.57E-09	5.21E-09	6.79E-09	8.48E-10	2.42E-09	3.27E-09
9674	437019.14	3763560.89	1.02E-08	3.21E-08	4.23E-08	1.58E-09	5.25E-09	6.83E-09	8.54E-10	2.43E-09	3.29E-09
9675	437010.26	3763557.22	1.03E-08	3.23E-08	4.26E-08	1.60E-09	5.28E-09	6.88E-09	8.60E-10	2.45E-09	3.31E-09
9676	437001.38	3763553.56	1.03E-08	3.25E-08	4.29E-08	1.60E-09	5.31E-09	6.92E-09	8.65E-10	2.46E-09	3.33E-09
9677	436992.5	3763549.9	1.04E-08	3.27E-08	4.31E-08	1.61E-09	5.34E-09	6.96E-09	8.69E-10	2.48E-09	3.35E-09
9678	436983.61	3763546.23	1.04E-08	3.29E-08	4.33E-08	1.62E-09	5.37E-09	6.99E-09	8.74E-10	2.49E-09	3.37E-09
9679	436974.73	3763542.57	1.05E-08	3.31E-08	4.35E-08	1.63E-09	5.40E-09	7.03E-09	8.78E-10	2.50E-09	3.38E-09
9680	436965.85	3763538.91	1.05E-08	3.32E-08	4.37E-08	1.64E-09	5.42E-09	7.06E-09	8.82E-10	2.52E-09	3.40E-09
9681	436956.97	3763535.25	1.06E-08	3.33E-08	4.39E-08	1.64E-09	5.44E-09	7.09E-09	8.86E-10	2.53E-09	3.41E-09
9682	436948.09	3763531.58	1.06E-08	3.35E-08	4.41E-08	1.65E-09	5.47E-09	7.12E-09	8.89E-10	2.54E-09	3.42E-09
9683	436939.2	3763527.92	1.07E-08	3.36E-08	4.42E-08	1.66E-09	5.48E-09	7.14E-09	8.92E-10	2.54E-09	3.43E-09
9684	436930.32	3763524.26	1.07E-08	3.37E-08	4.44E-08	1.66E-09	5.50E-09	7.16E-09	8.95E-10	2.55E-09	3.45E-09
9685	436921.44	3763520.59	1.07E-08	3.38E-08	4.45E-08	1.67E-09	5.52E-09	7.19E-09	8.98E-10	2.56E-09	3.46E-09
9686	436912.56	3763516.93	1.08E-08	3.39E-08	4.47E-08	1.67E-09	5.54E-09	7.21E-09	9.01E-10	2.57E-09	3.47E-09
9687	436903.68	3763513.27	1.08E-08	3.40E-08	4.48E-08	1.68E-09	5.56E-09	7.24E-09	9.04E-10	2.58E-09	3.48E-09
9688	436894.79	3763509.61	1.08E-08	3.41E-08	4.50E-08	1.68E-09	5.57E-09	7.26E-09	9.07E-10	2.59E-09	3.49E-09
9689	436885.91	3763505.94	1.09E-08	3.43E-08	4.52E-08	1.69E-09	5.60E-09	7.29E-09	9.11E-10	2.60E-09	3.51E-09
9690	436877.03	3763502.28	1.09E-08	3.44E-08	4.54E-08	1.70E-09	5.63E-09	7.33E-09	9.16E-10	2.61E-09	3.53E-09
9691	436868.15	3763498.62	1.1E-08	3.46E-08	4.56E-08	1.71E-09	5.66E-09	7.36E-09	9.20E-10	2.62E-09	3.54E-09
9692	436859.27	3763494.95	1.1E-08	3.47E-08	4.58E-08	1.71E-09	5.68E-09	7.39E-09	9.24E-10	2.63E-09	3.56E-09
9693	436850.38	3763491.29	1.11E-08	3.49E-08	4.59E-08	1.72E-09	5.70E-09	7.42E-09	9.27E-10	2.64E-09	3.57E-09
9694	436841.5	3763487.63	1.11E-08	3.50E-08	4.61E-08	1.73E-09	5.72E-09	7.44E-09	9.30E-10	2.65E-09	3.58E-09
9695	436832.62	3763483.97	1.12E-08	3.51E-08	4.63E-08	1.73E-09	5.74E-09	7.47E-09	9.33E-10	2.66E-09	3.59E-09

9696	436823.74	3763480.3	1.12E-08	3.52E-08	4.64E-08	1.74E-09	5.76E-09	7.50E-09	9.37E-10	2.67E-09	3.61E-09
9697	436814.86	3763476.64	1.12E-08	3.54E-08	4.66E-08	1.75E-09	5.78E-09	7.53E-09	9.41E-10	2.68E-09	3.62E-09
9698	436805.97	3763472.98	1.13E-08	3.55E-08	4.68E-08	1.75E-09	5.80E-09	7.56E-09	9.44E-10	2.69E-09	3.64E-09
9699	436797.09	3763469.31	1.13E-08	3.57E-08	4.70E-08	1.76E-09	5.83E-09	7.59E-09	9.48E-10	2.70E-09	3.65E-09
9700	436788.21	3763465.65	1.13E-08	3.57E-08	4.71E-08	1.76E-09	5.84E-09	7.60E-09	9.50E-10	2.71E-09	3.66E-09
9701	436779.33	3763461.99	1.14E-08	3.58E-08	4.72E-08	1.77E-09	5.85E-09	7.61E-09	9.51E-10	2.71E-09	3.66E-09
9702	436744.68	3763396.2	1.26E-08	3.98E-08	5.24E-08	1.96E-09	6.50E-09	8.46E-09	1.06E-09	3.01E-09	4.07E-09
9703	436741	3763387.33	1.28E-08	4.04E-08	5.32E-08	1.99E-09	6.59E-09	8.59E-09	1.07E-09	3.06E-09	4.13E-09
9704	436737.31	3763378.46	1.3E-08	4.10E-08	5.40E-08	2.02E-09	6.69E-09	8.71E-09	1.09E-09	3.10E-09	4.19E-09
9705	436733.63	3763369.58	1.32E-08	4.16E-08	5.48E-08	2.05E-09	6.79E-09	8.84E-09	1.10E-09	3.15E-09	4.25E-09
9706	436729.95	3763360.71	1.34E-08	4.22E-08	5.56E-08	2.08E-09	6.89E-09	8.97E-09	1.12E-09	3.20E-09	4.32E-09
9707	436726.27	3763351.83	1.36E-08	4.28E-08	5.63E-08	2.11E-09	6.99E-09	9.10E-09	1.14E-09	3.24E-09	4.38E-09
9708	436722.59	3763342.96	1.38E-08	4.34E-08	5.71E-08	2.14E-09	7.08E-09	9.22E-09	1.15E-09	3.29E-09	4.44E-09
9709	436718.91	3763334.08	1.4E-08	4.40E-08	5.79E-08	2.17E-09	7.18E-09	9.35E-09	1.17E-09	3.33E-09	4.50E-09
9710	436715.23	3763325.21	1.42E-08	4.46E-08	5.87E-08	2.20E-09	7.28E-09	9.48E-09	1.18E-09	3.38E-09	4.56E-09
9711	436711.55	3763316.33	1.43E-08	4.52E-08	5.95E-08	2.23E-09	7.38E-09	9.61E-09	1.20E-09	3.42E-09	4.62E-09
9712	436707.86	3763307.46	1.45E-08	4.58E-08	6.03E-08	2.26E-09	7.48E-09	9.74E-09	1.22E-09	3.47E-09	4.69E-09
9713	436704.18	3763298.59	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.58E-09	9.87E-09	1.23E-09	3.51E-09	4.75E-09
9714	436700.5	3763289.71	1.49E-08	4.70E-08	6.19E-08	2.32E-09	7.67E-09	9.99E-09	1.25E-09	3.56E-09	4.81E-09
9715	436696.82	3763280.84	1.51E-08	4.75E-08	6.25E-08	2.34E-09	7.75E-09	1.01E-08	1.26E-09	3.60E-09	4.86E-09
9716	436693.14	3763271.96	1.52E-08	4.79E-08	6.32E-08	2.37E-09	7.83E-09	1.02E-08	1.27E-09	3.63E-09	4.91E-09
9717	436689.46	3763263.09	1.54E-08	4.84E-08	6.38E-08	2.39E-09	7.91E-09	1.03E-08	1.29E-09	3.67E-09	4.96E-09
9718	436685.78	3763254.21	1.55E-08	4.90E-08	6.45E-08	2.42E-09	8.00E-09	1.04E-08	1.30E-09	3.71E-09	5.01E-09
9719	436682.1	3763245.34	1.57E-08	4.95E-08	6.52E-08	2.44E-09	8.08E-09	1.05E-08	1.31E-09	3.75E-09	5.06E-09
9720	436678.41	3763236.46	1.59E-08	5.00E-08	6.58E-08	2.46E-09	8.16E-09	1.06E-08	1.33E-09	3.79E-09	5.11E-09
9721	436674.73	3763227.59	1.6E-08	5.05E-08	6.65E-08	2.49E-09	8.25E-09	1.07E-08	1.34E-09	3.83E-09	5.17E-09
9722	436671.05	3763218.72	1.62E-08	5.11E-08	6.73E-08	2.52E-09	8.35E-09	1.09E-08	1.36E-09	3.87E-09	5.23E-09
9723	436667.37	3763209.84	1.64E-08	5.17E-08	6.81E-08	2.55E-09	8.44E-09	1.10E-08	1.37E-09	3.92E-09	5.29E-09
9724	436663.69	3763200.97	1.66E-08	5.23E-08	6.89E-08	2.58E-09	8.54E-09	1.11E-08	1.39E-09	3.96E-09	5.35E-09
9725	436660.01	3763192.09	1.68E-08	5.28E-08	6.95E-08	2.60E-09	8.62E-09	1.12E-08	1.40E-09	4.00E-09	5.40E-09
9726	436656.33	3763183.22	1.69E-08	5.33E-08	7.02E-08	2.63E-09	8.70E-09	1.13E-08	1.42E-09	4.04E-09	5.45E-09
9727	436652.64	3763174.34	1.71E-08	5.38E-08	7.08E-08	2.65E-09	8.78E-09	1.14E-08	1.43E-09	4.07E-09	5.50E-09
9728	436648.96	3763165.47	1.72E-08	5.42E-08	7.14E-08	2.67E-09	8.85E-09	1.15E-08	1.44E-09	4.11E-09	5.55E-09
9729	436645.28	3763156.6	1.73E-08	5.46E-08	7.19E-08	2.69E-09	8.91E-09	1.16E-08	1.45E-09	4.13E-09	5.58E-09
9730	436641.6	3763147.72	1.74E-08	5.49E-08	7.24E-08	2.71E-09	8.97E-09	1.17E-08	1.46E-09	4.16E-09	5.62E-09
9731	436637.92	3763138.85	1.76E-08	5.53E-08	7.28E-08	2.73E-09	9.03E-09	1.18E-08	1.47E-09	4.19E-09	5.66E-09
9732	436634.24	3763129.97	1.76E-08	5.55E-08	7.32E-08	2.74E-09	9.07E-09	1.18E-08	1.48E-09	4.21E-09	5.69E-09
9733	436630.56	3763121.1	1.77E-08	5.58E-08	7.35E-08	2.75E-09	9.12E-09	1.19E-08	1.48E-09	4.23E-09	5.71E-09
9734	436626.88	3763112.22	1.78E-08	5.60E-08	7.38E-08	2.76E-09	9.15E-09	1.19E-08	1.49E-09	4.24E-09	5.73E-09
9735	436623.19	3763103.35	1.79E-08	5.62E-08	7.41E-08	2.77E-09	9.18E-09	1.20E-08	1.49E-09	4.26E-09	5.75E-09
9736	436619.51	3763094.47	1.79E-08	5.64E-08	7.43E-08	2.78E-09	9.22E-09	1.20E-08	1.50E-09	4.27E-09	5.77E-09
9737	436615.83	3763085.6	1.8E-08	5.66E-08	7.46E-08	2.79E-09	9.25E-09	1.20E-08	1.50E-09	4.29E-09	5.80E-09
9738	436612.15	3763076.73	1.81E-08	5.69E-08	7.49E-08	2.81E-09	9.29E-09	1.21E-08	1.51E-09	4.31E-09	5.82E-09
9739	436608.47	3763067.85	1.82E-08	5.72E-08	7.53E-08	2.82E-09	9.34E-09	1.22E-08	1.52E-09	4.33E-09	5.85E-09
9740	436604.79	3763058.98	1.82E-08	5.74E-08	7.57E-08	2.83E-09	9.38E-09	1.22E-08	1.53E-09	4.35E-09	5.88E-09
9741	436601.11	3763050.1	1.83E-08	5.75E-08	7.58E-08	2.84E-09	9.40E-09	1.22E-08	1.53E-09	4.36E-09	5.89E-09
9742	436597.43	3763041.23	1.83E-08	5.76E-08	7.59E-08	2.84E-09	9.42E-09	1.23E-08	1.53E-09	4.37E-09	5.90E-09
9743	436593.74	3763032.35	1.83E-08	5.77E-08	7.60E-08	2.85E-09	9.43E-09	1.23E-08	1.53E-09	4.37E-09	5.91E-09
9744	436590.06	3763023.48	1.83E-08	5.78E-08	7.61E-08	2.85E-09	9.44E-09	1.23E-08	1.54E-09	4.38E-09	5.91E-09
9745	436586.38	3763014.6	1.84E-08	5.78E-08	7.62E-08	2.85E-09	9.44E-09	1.23E-08	1.54E-09	4.38E-09	5.92E-09
9746	436582.7	3763005.73	1.84E-08	5.78E-08	7.62E-08	2.85E-09	9.45E-09	1.23E-08	1.54E-09	4.38E-09	5.92E-09
9747	436579.02	3762996.86	1.84E-08	5.78E-08	7.62E-08	2.85E-09	9.45E-09	1.23E-08	1.54E-09	4.38E-09	5.92E-09
9748	436575.34	3762987.98	1.84E-08	5.78E-08	7.62E-08	2.85E-09	9.45E-09	1.23E-08	1.54E-09	4.38E-09	5.92E-09
9749	436571.66	3762979.11	1.83E-08	5.78E-08	7.61E-08	2.85E-09	9.44E-09	1.23E-08	1.54E-09	4.38E-09	5.91E-09
9750	436567.98	3762970.23	1.83E-08	5.77E-08	7.61E-08	2.85E-09	9.43E-09	1.23E-08	1.53E-09	4.37E-09	5.91E-09
9751	436564.29	3762961.36	1.83E-08	5.77E-08	7.60E-08	2.85E-09	9.42E-09	1.23E-08	1.53E-09	4.37E-09	5.90E-09
9752	436560.61	3762952.48	1.83E-08	5.76E-08	7.59E-08	2.84E-09	9.41E-09	1.23E-08	1.53E-09	4.36E-09	5.90E-09
9753	436556.93	3762943.61	1.83E-08	5.75E-08	7.58E-08	2.84E-09	9.39E-09	1.22E-08	1.53E-09	4.36E-09	5.89E-09
9754	436553.25	3762934.74	1.82E-08	5.74E-08	7.56E-08	2.83E-09	9.38E-09	1.22E-08	1.53E-09	4.35E-09	5.88E-09
9755	436549.57	3762925.86	1.82E-08	5.73E-08	7.55E-08	2.83E-09	9.36E-09	1.22E-08	1.52E-09	4.34E-09	5.86E-09
9756	436545.89	3762916.99	1.82E-08	5.72E-08	7.53E-08	2.82E-09	9.34E-09	1.22E-08	1.52E-09	4.33E-09	5.85E-09

9757	437365.54	3763703.74	8.8E-09	2.77E-08	3.65E-08	1.37E-09	4.53E-09	5.90E-09	7.37E-10	2.10E-09	2.84E-09
9758	437375.19	3763703.72	8.84E-09	2.78E-08	3.67E-08	1.37E-09	4.55E-09	5.92E-09	7.40E-10	2.11E-09	2.85E-09
9759	437384.84	3763703.7	8.88E-09	2.80E-08	3.69E-08	1.38E-09	4.57E-09	5.95E-09	7.43E-10	2.12E-09	2.86E-09
9760	437394.49	3763703.68	8.92E-09	2.81E-08	3.70E-08	1.39E-09	4.59E-09	5.98E-09	7.47E-10	2.13E-09	2.88E-09
9761	437404.14	3763703.66	8.96E-09	2.82E-08	3.72E-08	1.39E-09	4.61E-09	6.00E-09	7.50E-10	2.14E-09	2.89E-09
9762	437413.79	3763703.64	9E-09	2.83E-08	3.73E-08	1.40E-09	4.63E-09	6.03E-09	7.53E-10	2.15E-09	2.90E-09
9763	437423.44	3763703.62	9.03E-09	2.84E-08	3.75E-08	1.40E-09	4.65E-09	6.05E-09	7.56E-10	2.16E-09	2.91E-09
9764	437433.09	3763703.6	9.06E-09	2.85E-08	3.76E-08	1.41E-09	4.66E-09	6.07E-09	7.59E-10	2.16E-09	2.92E-09
9765	437442.75	3763703.58	9.11E-09	2.87E-08	3.78E-08	1.41E-09	4.68E-09	6.10E-09	7.62E-10	2.17E-09	2.94E-09
9766	437452.4	3763703.56	9.15E-09	2.88E-08	3.80E-08	1.42E-09	4.71E-09	6.13E-09	7.66E-10	2.18E-09	2.95E-09
9767	437462.05	3763703.54	9.18E-09	2.89E-08	3.81E-08	1.43E-09	4.73E-09	6.15E-09	7.69E-10	2.19E-09	2.96E-09
9768	437471.7	3763703.52	9.23E-09	2.91E-08	3.83E-08	1.43E-09	4.75E-09	6.18E-09	7.72E-10	2.20E-09	2.97E-09
9769	437481.35	3763703.5	9.27E-09	2.92E-08	3.85E-08	1.44E-09	4.77E-09	6.21E-09	7.76E-10	2.21E-09	2.99E-09
9770	437491	3763703.48	9.31E-09	2.93E-08	3.86E-08	1.45E-09	4.79E-09	6.24E-09	7.80E-10	2.22E-09	3.00E-09
9771	437500.65	3763703.46	9.38E-09	2.95E-08	3.89E-08	1.46E-09	4.82E-09	6.28E-09	7.85E-10	2.24E-09	3.02E-09
9772	437510.3	3763703.44	9.43E-09	2.97E-08	3.91E-08	1.47E-09	4.85E-09	6.32E-09	7.90E-10	2.25E-09	3.04E-09
9773	437519.95	3763703.42	9.5E-09	2.99E-08	3.94E-08	1.48E-09	4.89E-09	6.36E-09	7.95E-10	2.27E-09	3.06E-09
9774	437529.6	3763703.4	9.55E-09	3.01E-08	3.96E-08	1.48E-09	4.91E-09	6.40E-09	7.99E-10	2.28E-09	3.08E-09
9775	437539.25	3763703.38	9.59E-09	3.02E-08	3.98E-08	1.49E-09	4.94E-09	6.43E-09	8.03E-10	2.29E-09	3.09E-09
9776	437548.9	3763703.36	9.64E-09	3.04E-08	4.00E-08	1.50E-09	4.96E-09	6.46E-09	8.07E-10	2.30E-09	3.11E-09
9777	437356.72	3763740.07	8.22E-09	2.59E-08	3.41E-08	1.28E-09	4.23E-09	5.51E-09	6.88E-10	1.96E-09	2.65E-09
9778	437347.81	3763736.39	8.24E-09	2.59E-08	3.42E-08	1.28E-09	4.24E-09	5.52E-09	6.90E-10	1.97E-09	2.66E-09
9779	437338.91	3763732.72	8.26E-09	2.60E-08	3.43E-08	1.28E-09	4.25E-09	5.53E-09	6.91E-10	1.97E-09	2.66E-09
9780	437330	3763729.05	8.27E-09	2.60E-08	3.43E-08	1.28E-09	4.25E-09	5.54E-09	6.92E-10	1.97E-09	2.67E-09
9781	437321.09	3763725.37	8.28E-09	2.61E-08	3.44E-08	1.29E-09	4.26E-09	5.55E-09	6.93E-10	1.98E-09	2.67E-09
9782	437312.19	3763721.7	8.29E-09	2.61E-08	3.44E-08	1.29E-09	4.27E-09	5.56E-09	6.94E-10	1.98E-09	2.67E-09
9783	437303.28	3763718.03	8.31E-09	2.62E-08	3.45E-08	1.29E-09	4.27E-09	5.56E-09	6.95E-10	1.98E-09	2.68E-09
9784	437294.37	3763714.36	8.31E-09	2.62E-08	3.45E-08	1.29E-09	4.28E-09	5.57E-09	6.96E-10	1.98E-09	2.68E-09
9785	437285.47	3763710.68	8.33E-09	2.62E-08	3.45E-08	1.29E-09	4.28E-09	5.58E-09	6.97E-10	1.99E-09	2.68E-09
9786	437276.56	3763707.01	8.34E-09	2.63E-08	3.46E-08	1.30E-09	4.29E-09	5.59E-09	6.98E-10	1.99E-09	2.69E-09
9787	437267.66	3763703.34	8.35E-09	2.63E-08	3.46E-08	1.30E-09	4.30E-09	5.59E-09	6.99E-10	1.99E-09	2.69E-09
9788	437258.75	3763699.66	8.36E-09	2.63E-08	3.47E-08	1.30E-09	4.30E-09	5.60E-09	7.00E-10	2.00E-09	2.70E-09
9789	437249.84	3763695.99	8.38E-09	2.64E-08	3.48E-08	1.30E-09	4.31E-09	5.61E-09	7.01E-10	2.00E-09	2.70E-09
9790	437240.94	3763692.32	8.4E-09	2.65E-08	3.49E-08	1.31E-09	4.32E-09	5.63E-09	7.03E-10	2.00E-09	2.71E-09
9791	437142.97	3763651.92	8.65E-09	2.72E-08	3.59E-08	1.34E-09	4.45E-09	5.79E-09	7.24E-10	2.06E-09	2.79E-09
9792	437134.06	3763648.24	8.69E-09	2.74E-08	3.61E-08	1.35E-09	4.47E-09	5.82E-09	7.27E-10	2.07E-09	2.80E-09
9793	437125.16	3763644.57	8.73E-09	2.75E-08	3.62E-08	1.36E-09	4.49E-09	5.85E-09	7.31E-10	2.08E-09	2.81E-09
9794	437116.25	3763640.9	8.77E-09	2.76E-08	3.64E-08	1.36E-09	4.51E-09	5.87E-09	7.34E-10	2.09E-09	2.83E-09
9795	437107.34	3763637.23	8.81E-09	2.77E-08	3.66E-08	1.37E-09	4.53E-09	5.90E-09	7.38E-10	2.10E-09	2.84E-09
9796	437098.44	3763633.55	8.85E-09	2.79E-08	3.67E-08	1.38E-09	4.55E-09	5.93E-09	7.41E-10	2.11E-09	2.85E-09
9797	437089.53	3763629.88	8.9E-09	2.80E-08	3.69E-08	1.38E-09	4.58E-09	5.96E-09	7.45E-10	2.12E-09	2.87E-09
9798	437027.19	3763604.17	9.21E-09	2.90E-08	3.82E-08	1.43E-09	4.74E-09	6.17E-09	7.70E-10	2.20E-09	2.97E-09
9799	437018.28	3763600.5	9.25E-09	2.91E-08	3.84E-08	1.44E-09	4.76E-09	6.20E-09	7.75E-10	2.21E-09	2.98E-09
9800	437009.38	3763596.82	9.3E-09	2.93E-08	3.86E-08	1.44E-09	4.78E-09	6.23E-09	7.78E-10	2.22E-09	3.00E-09
9801	437000.47	3763593.15	9.36E-09	2.95E-08	3.88E-08	1.45E-09	4.81E-09	6.27E-09	7.83E-10	2.23E-09	3.02E-09
9802	436991.56	3763589.48	9.42E-09	2.97E-08	3.91E-08	1.46E-09	4.85E-09	6.31E-09	7.89E-10	2.25E-09	3.04E-09
9803	436982.66	3763585.81	9.56E-09	3.01E-08	3.97E-08	1.49E-09	4.92E-09	6.40E-09	8.00E-10	2.28E-09	3.08E-09
9804	436973.75	3763582.13	9.62E-09	3.03E-08	3.99E-08	1.49E-09	4.95E-09	6.44E-09	8.05E-10	2.29E-09	3.10E-09
9805	436964.85	3763578.46	9.67E-09	3.04E-08	4.01E-08	1.50E-09	4.97E-09	6.47E-09	8.09E-10	2.31E-09	3.12E-09
9806	436955.94	3763574.79	9.72E-09	3.06E-08	4.03E-08	1.51E-09	5.00E-09	6.51E-09	8.13E-10	2.32E-09	3.13E-09
9807	436947.03	3763571.11	9.76E-09	3.07E-08	4.05E-08	1.52E-09	5.02E-09	6.54E-09	8.17E-10	2.33E-09	3.15E-09
9808	436938.13	3763567.44	9.8E-09	3.09E-08	4.07E-08	1.52E-09	5.04E-09	6.57E-09	8.20E-10	2.34E-09	3.16E-09
9809	436929.22	3763563.77	9.84E-09	3.10E-08	4.08E-08	1.53E-09	5.06E-09	6.59E-09	8.24E-10	2.35E-09	3.17E-09
9810	436920.31	3763560.1	9.88E-09	3.11E-08	4.10E-08	1.53E-09	5.08E-09	6.62E-09	8.27E-10	2.36E-09	3.18E-09
9811	436911.41	3763556.42	9.89E-09	3.11E-08	4.10E-08	1.54E-09	5.09E-09	6.62E-09	8.28E-10	2.36E-09	3.19E-09
9812	436902.5	3763552.75	9.93E-09	3.13E-08	4.12E-08	1.54E-09	5.11E-09	6.65E-09	8.31E-10	2.37E-09	3.20E-09
9813	436893.6	3763549.08	9.96E-09	3.14E-08	4.13E-08	1.55E-09	5.12E-09	6.67E-09	8.34E-10	2.38E-09	3.21E-09
9814	436884.69	3763545.4	1E-08	3.15E-08	4.15E-08	1.55E-09	5.14E-09	6.70E-09	8.37E-10	2.39E-09	3.22E-09
9815	436875.78	3763541.73	1E-08	3.16E-08	4.16E-08	1.56E-09	5.16E-09	6.72E-09	8.40E-10	2.39E-09	3.23E-09
9816	436866.88	3763538.06	1.01E-08	3.17E-08	4.18E-08	1.57E-09	5.18E-09	6.75E-09	8.43E-10	2.40E-09	3.25E-09
9817	436857.97	3763534.39	1.01E-08	3.18E-08	4.19E-08	1.57E-09	5.20E-09	6.77E-09	8.46E-10	2.41E-09	3.26E-09

9818	436849.07	3763530.71	1.01E-08	3.19E-08	4.20E-08	1.57E-09	5.21E-09	6.79E-09	8.48E-10	2.42E-09	3.27E-09
9819	436840.16	3763527.04	1.02E-08	3.20E-08	4.22E-08	1.58E-09	5.23E-09	6.81E-09	8.51E-10	2.43E-09	3.28E-09
9820	436831.25	3763523.37	1.02E-08	3.21E-08	4.23E-08	1.58E-09	5.25E-09	6.83E-09	8.53E-10	2.43E-09	3.29E-09
9821	436822.35	3763519.69	1.02E-08	3.22E-08	4.24E-08	1.59E-09	5.26E-09	6.85E-09	8.56E-10	2.44E-09	3.30E-09
9822	436813.44	3763516.02	1.03E-08	3.23E-08	4.26E-08	1.59E-09	5.28E-09	6.87E-09	8.59E-10	2.45E-09	3.31E-09
9823	436804.53	3763512.35	1.03E-08	3.24E-08	4.27E-08	1.60E-09	5.30E-09	6.90E-09	8.62E-10	2.46E-09	3.32E-09
9824	436795.63	3763508.68	1.03E-08	3.26E-08	4.29E-08	1.61E-09	5.32E-09	6.93E-09	8.66E-10	2.47E-09	3.33E-09
9825	436786.72	3763505	1.04E-08	3.27E-08	4.31E-08	1.61E-09	5.34E-09	6.96E-09	8.69E-10	2.48E-09	3.35E-09
9826	436777.82	3763501.33	1.04E-08	3.28E-08	4.33E-08	1.62E-09	5.36E-09	6.98E-09	8.73E-10	2.49E-09	3.36E-09
9827	436738.5	3763477.74	1.07E-08	3.37E-08	4.44E-08	1.66E-09	5.50E-09	7.16E-09	8.95E-10	2.55E-09	3.45E-09
9828	436734.81	3763468.84	1.09E-08	3.42E-08	4.51E-08	1.69E-09	5.59E-09	7.27E-09	9.09E-10	2.59E-09	3.50E-09
9829	436731.12	3763459.94	1.1E-08	3.47E-08	4.57E-08	1.71E-09	5.67E-09	7.38E-09	9.22E-10	2.63E-09	3.55E-09
9830	436727.43	3763451.04	1.12E-08	3.52E-08	4.64E-08	1.74E-09	5.75E-09	7.49E-09	9.36E-10	2.67E-09	3.60E-09
9831	436723.73	3763442.15	1.14E-08	3.58E-08	4.71E-08	1.76E-09	5.84E-09	7.60E-09	9.50E-10	2.71E-09	3.66E-09
9832	436720.04	3763433.25	1.15E-08	3.63E-08	4.78E-08	1.79E-09	5.93E-09	7.72E-09	9.64E-10	2.75E-09	3.71E-09
9833	436716.35	3763424.35	1.17E-08	3.68E-08	4.85E-08	1.82E-09	6.01E-09	7.83E-09	9.78E-10	2.79E-09	3.77E-09
9834	436712.66	3763415.45	1.19E-08	3.73E-08	4.92E-08	1.84E-09	6.10E-09	7.94E-09	9.92E-10	2.83E-09	3.82E-09
9835	436708.97	3763406.55	1.2E-08	3.79E-08	4.99E-08	1.87E-09	6.19E-09	8.05E-09	1.01E-09	2.87E-09	3.88E-09
9836	436705.28	3763397.65	1.22E-08	3.84E-08	5.06E-08	1.89E-09	6.27E-09	8.17E-09	1.02E-09	2.91E-09	3.93E-09
9837	436701.59	3763388.75	1.24E-08	3.89E-08	5.13E-08	1.92E-09	6.36E-09	8.28E-09	1.03E-09	2.95E-09	3.99E-09
9838	436697.9	3763379.86	1.25E-08	3.95E-08	5.20E-08	1.95E-09	6.45E-09	8.40E-09	1.05E-09	2.99E-09	4.04E-09
9839	436694.2	3763370.96	1.27E-08	4.00E-08	5.27E-08	1.97E-09	6.54E-09	8.51E-09	1.06E-09	3.03E-09	4.10E-09
9840	436690.51	3763362.06	1.29E-08	4.05E-08	5.34E-08	2.00E-09	6.62E-09	8.62E-09	1.08E-09	3.07E-09	4.15E-09
9841	436686.82	3763353.16	1.3E-08	4.11E-08	5.41E-08	2.03E-09	6.71E-09	8.74E-09	1.09E-09	3.11E-09	4.20E-09
9842	436683.13	3763344.26	1.32E-08	4.16E-08	5.48E-08	2.05E-09	6.79E-09	8.84E-09	1.11E-09	3.15E-09	4.26E-09
9843	436679.44	3763335.36	1.34E-08	4.21E-08	5.54E-08	2.08E-09	6.87E-09	8.95E-09	1.12E-09	3.19E-09	4.31E-09
9844	436675.75	3763326.46	1.35E-08	4.25E-08	5.60E-08	2.10E-09	6.95E-09	9.05E-09	1.13E-09	3.22E-09	4.35E-09
9845	436672.06	3763317.57	1.37E-08	4.30E-08	5.67E-08	2.12E-09	7.03E-09	9.15E-09	1.14E-09	3.26E-09	4.40E-09
9846	436668.37	3763308.67	1.38E-08	4.35E-08	5.73E-08	2.15E-09	7.11E-09	9.26E-09	1.16E-09	3.30E-09	4.45E-09
9847	436664.67	3763299.77	1.4E-08	4.40E-08	5.80E-08	2.17E-09	7.19E-09	9.36E-09	1.17E-09	3.34E-09	4.51E-09
9848	436660.98	3763290.87	1.41E-08	4.45E-08	5.86E-08	2.20E-09	7.27E-09	9.47E-09	1.18E-09	3.37E-09	4.55E-09
9849	436657.29	3763281.97	1.43E-08	4.50E-08	5.93E-08	2.22E-09	7.35E-09	9.57E-09	1.20E-09	3.41E-09	4.60E-09
9850	436653.6	3763273.07	1.44E-08	4.55E-08	5.99E-08	2.24E-09	7.43E-09	9.67E-09	1.21E-09	3.44E-09	4.65E-09
9851	436649.91	3763264.17	1.46E-08	4.59E-08	6.05E-08	2.27E-09	7.50E-09	9.77E-09	1.22E-09	3.48E-09	4.70E-09
9852	436646.22	3763255.28	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.58E-09	9.86E-09	1.23E-09	3.51E-09	4.75E-09
9853	436642.53	3763246.38	1.49E-08	4.68E-08	6.17E-08	2.31E-09	7.65E-09	9.96E-09	1.24E-09	3.55E-09	4.79E-09
9854	436638.83	3763237.48	1.5E-08	4.72E-08	6.22E-08	2.33E-09	7.72E-09	1.00E-08	1.26E-09	3.58E-09	4.84E-09
9855	436635.14	3763228.58	1.51E-08	4.77E-08	6.28E-08	2.35E-09	7.79E-09	1.01E-08	1.27E-09	3.61E-09	4.88E-09
9856	436631.45	3763219.68	1.53E-08	4.82E-08	6.35E-08	2.38E-09	7.87E-09	1.03E-08	1.28E-09	3.65E-09	4.93E-09
9857	436627.76	3763210.78	1.55E-08	4.87E-08	6.42E-08	2.40E-09	7.95E-09	1.04E-08	1.29E-09	3.69E-09	4.98E-09
9858	436624.07	3763201.88	1.56E-08	4.92E-08	6.48E-08	2.43E-09	8.03E-09	1.05E-08	1.31E-09	3.73E-09	5.03E-09
9859	436620.38	3763192.99	1.57E-08	4.96E-08	6.53E-08	2.45E-09	8.10E-09	1.05E-08	1.32E-09	3.76E-09	5.07E-09
9860	436616.69	3763184.09	1.59E-08	4.99E-08	6.58E-08	2.46E-09	8.16E-09	1.06E-08	1.33E-09	3.78E-09	5.11E-09
9861	436613	3763175.19	1.6E-08	5.03E-08	6.63E-08	2.48E-09	8.22E-09	1.07E-08	1.34E-09	3.81E-09	5.15E-09
9862	436609.3	3763166.29	1.61E-08	5.07E-08	6.68E-08	2.50E-09	8.28E-09	1.08E-08	1.35E-09	3.84E-09	5.19E-09
9863	436605.61	3763157.39	1.62E-08	5.10E-08	6.73E-08	2.52E-09	8.34E-09	1.09E-08	1.36E-09	3.87E-09	5.22E-09
9864	436601.92	3763148.49	1.63E-08	5.14E-08	6.77E-08	2.53E-09	8.39E-09	1.09E-08	1.37E-09	3.89E-09	5.26E-09
9865	436598.23	3763139.6	1.64E-08	5.17E-08	6.81E-08	2.55E-09	8.44E-09	1.10E-08	1.37E-09	3.92E-09	5.29E-09
9866	436594.54	3763130.7	1.65E-08	5.19E-08	6.83E-08	2.56E-09	8.47E-09	1.10E-08	1.38E-09	3.93E-09	5.31E-09
9867	436590.85	3763121.8	1.65E-08	5.20E-08	6.85E-08	2.57E-09	8.50E-09	1.11E-08	1.38E-09	3.94E-09	5.32E-09
9868	436587.16	3763112.9	1.66E-08	5.22E-08	6.88E-08	2.58E-09	8.53E-09	1.11E-08	1.39E-09	3.96E-09	5.34E-09
9869	436583.47	3763104	1.67E-08	5.24E-08	6.91E-08	2.59E-09	8.57E-09	1.12E-08	1.39E-09	3.97E-09	5.37E-09
9870	436579.77	3763095.1	1.67E-08	5.27E-08	6.94E-08	2.60E-09	8.61E-09	1.12E-08	1.40E-09	3.99E-09	5.39E-09
9871	436576.08	3763086.2	1.68E-08	5.29E-08	6.97E-08	2.61E-09	8.64E-09	1.12E-08	1.41E-09	4.01E-09	5.41E-09
9872	436572.39	3763077.31	1.69E-08	5.31E-08	7.00E-08	2.62E-09	8.67E-09	1.13E-08	1.41E-09	4.02E-09	5.43E-09
9873	436568.7	3763068.41	1.69E-08	5.32E-08	7.01E-08	2.63E-09	8.69E-09	1.13E-08	1.41E-09	4.03E-09	5.45E-09
9874	436565.01	3763059.51	1.69E-08	5.33E-08	7.02E-08	2.63E-09	8.71E-09	1.13E-08	1.42E-09	4.04E-09	5.46E-09
9875	436561.32	3763050.61	1.7E-08	5.34E-08	7.03E-08	2.63E-09	8.72E-09	1.14E-08	1.42E-09	4.05E-09	5.47E-09
9876	436557.63	3763041.71	1.7E-08	5.35E-08	7.04E-08	2.64E-09	8.73E-09	1.14E-08	1.42E-09	4.05E-09	5.47E-09
9877	436553.93	3763032.81	1.7E-08	5.35E-08	7.05E-08	2.64E-09	8.74E-09	1.14E-08	1.42E-09	4.05E-09	5.48E-09
9878	436550.24	3763023.91	1.7E-08	5.35E-08	7.05E-08	2.64E-09	8.75E-09	1.14E-08	1.42E-09	4.06E-09	5.48E-09

9879	436546.55	3763015.02	1.7E-08	5.35E-08	7.05E-08	2.64E-09	8.75E-09	1.14E-08	1.42E-09	4.06E-09	5.48E-09
9880	436542.86	3763006.12	1.7E-08	5.35E-08	7.05E-08	2.64E-09	8.75E-09	1.14E-08	1.42E-09	4.06E-09	5.48E-09
9881	436539.17	3762997.22	1.7E-08	5.35E-08	7.05E-08	2.64E-09	8.74E-09	1.14E-08	1.42E-09	4.05E-09	5.48E-09
9882	436535.48	3762988.32	1.7E-08	5.35E-08	7.05E-08	2.64E-09	8.74E-09	1.14E-08	1.42E-09	4.05E-09	5.47E-09
9883	436531.79	3762979.42	1.7E-08	5.34E-08	7.04E-08	2.64E-09	8.73E-09	1.14E-08	1.42E-09	4.05E-09	5.47E-09
9884	436528.1	3762970.52	1.7E-08	5.34E-08	7.03E-08	2.63E-09	8.72E-09	1.14E-08	1.42E-09	4.04E-09	5.46E-09
9885	436524.4	3762961.62	1.69E-08	5.33E-08	7.02E-08	2.63E-09	8.71E-09	1.13E-08	1.42E-09	4.04E-09	5.46E-09
9886	436520.71	3762952.73	1.69E-08	5.33E-08	7.02E-08	2.63E-09	8.70E-09	1.13E-08	1.42E-09	4.04E-09	5.45E-09
9887	436517.02	3762943.83	1.69E-08	5.32E-08	7.00E-08	2.62E-09	8.68E-09	1.13E-08	1.41E-09	4.03E-09	5.44E-09
9888	436513.33	3762934.93	1.69E-08	5.31E-08	6.99E-08	2.62E-09	8.67E-09	1.13E-08	1.41E-09	4.02E-09	5.43E-09
9889	436509.64	3762926.03	1.68E-08	5.30E-08	6.98E-08	2.61E-09	8.65E-09	1.13E-08	1.41E-09	4.01E-09	5.42E-09
9890	436505.95	3762917.13	1.68E-08	5.28E-08	6.96E-08	2.61E-09	8.63E-09	1.12E-08	1.40E-09	4.00E-09	5.41E-09
9891	436502.26	3762908.23	1.67E-08	5.27E-08	6.95E-08	2.60E-09	8.61E-09	1.12E-08	1.40E-09	4.00E-09	5.40E-09
9892	437365.62	3763743.74	8.21E-09	2.58E-08	3.40E-08	1.28E-09	4.22E-09	5.50E-09	6.87E-10	1.96E-09	2.65E-09
9893	437375.27	3763743.72	8.24E-09	2.60E-08	3.42E-08	1.28E-09	4.24E-09	5.52E-09	6.90E-10	1.97E-09	2.66E-09
9894	437384.92	3763743.7	8.28E-09	2.61E-08	3.43E-08	1.29E-09	4.26E-09	5.54E-09	6.93E-10	1.98E-09	2.67E-09
9895	437394.58	3763743.68	8.31E-09	2.62E-08	3.45E-08	1.29E-09	4.28E-09	5.57E-09	6.96E-10	1.98E-09	2.68E-09
9896	437404.23	3763743.66	8.35E-09	2.63E-08	3.46E-08	1.30E-09	4.29E-09	5.59E-09	6.99E-10	1.99E-09	2.69E-09
9897	437413.88	3763743.64	8.38E-09	2.64E-08	3.48E-08	1.30E-09	4.31E-09	5.61E-09	7.01E-10	2.00E-09	2.70E-09
9898	437423.53	3763743.62	8.4E-09	2.65E-08	3.49E-08	1.31E-09	4.32E-09	5.63E-09	7.03E-10	2.00E-09	2.71E-09
9899	437433.18	3763743.6	8.43E-09	2.65E-08	3.50E-08	1.31E-09	4.33E-09	5.64E-09	7.05E-10	2.01E-09	2.72E-09
9900	437442.83	3763743.58	8.45E-09	2.66E-08	3.51E-08	1.31E-09	4.35E-09	5.66E-09	7.08E-10	2.02E-09	2.73E-09
9901	437452.48	3763743.56	8.48E-09	2.67E-08	3.52E-08	1.32E-09	4.36E-09	5.68E-09	7.09E-10	2.02E-09	2.73E-09
9902	437462.13	3763743.54	8.5E-09	2.68E-08	3.53E-08	1.32E-09	4.37E-09	5.69E-09	7.11E-10	2.03E-09	2.74E-09
9903	437471.78	3763743.52	8.53E-09	2.69E-08	3.54E-08	1.33E-09	4.39E-09	5.72E-09	7.14E-10	2.04E-09	2.75E-09
9904	437481.43	3763743.5	8.57E-09	2.70E-08	3.56E-08	1.33E-09	4.41E-09	5.74E-09	7.17E-10	2.05E-09	2.76E-09
9905	437491.08	3763743.48	8.61E-09	2.71E-08	3.57E-08	1.34E-09	4.43E-09	5.77E-09	7.21E-10	2.05E-09	2.77E-09
9906	437500.73	3763743.46	8.67E-09	2.73E-08	3.60E-08	1.35E-09	4.46E-09	5.81E-09	7.26E-10	2.07E-09	2.79E-09
9907	437510.38	3763743.44	8.73E-09	2.75E-08	3.62E-08	1.36E-09	4.49E-09	5.85E-09	7.31E-10	2.08E-09	2.81E-09
9908	437520.03	3763743.42	8.8E-09	2.77E-08	3.65E-08	1.37E-09	4.53E-09	5.90E-09	7.37E-10	2.10E-09	2.84E-09
9909	437529.68	3763743.4	8.84E-09	2.79E-08	3.67E-08	1.37E-09	4.55E-09	5.92E-09	7.40E-10	2.11E-09	2.85E-09
9910	437539.33	3763743.38	8.89E-09	2.80E-08	3.69E-08	1.38E-09	4.57E-09	5.95E-09	7.44E-10	2.12E-09	2.86E-09
9911	437548.98	3763743.36	8.92E-09	2.81E-08	3.70E-08	1.39E-09	4.59E-09	5.98E-09	7.47E-10	2.13E-09	2.88E-09
9912	437356.9	3763780.11	7.69E-09	2.42E-08	3.19E-08	1.19E-09	3.96E-09	5.15E-09	6.43E-10	1.83E-09	2.48E-09
9913	437348.09	3763776.47	7.7E-09	2.42E-08	3.19E-08	1.20E-09	3.96E-09	5.16E-09	6.45E-10	1.84E-09	2.48E-09
9914	437339.28	3763772.84	7.71E-09	2.43E-08	3.20E-08	1.20E-09	3.97E-09	5.17E-09	6.46E-10	1.84E-09	2.49E-09
9915	437330.48	3763769.21	7.72E-09	2.43E-08	3.21E-08	1.20E-09	3.97E-09	5.17E-09	6.47E-10	1.84E-09	2.49E-09
9916	437321.67	3763765.58	7.74E-09	2.44E-08	3.21E-08	1.20E-09	3.98E-09	5.18E-09	6.48E-10	1.85E-09	2.49E-09
9917	437312.86	3763761.94	7.75E-09	2.44E-08	3.22E-08	1.20E-09	3.99E-09	5.19E-09	6.49E-10	1.85E-09	2.50E-09
9918	437304.05	3763758.31	7.76E-09	2.44E-08	3.22E-08	1.21E-09	3.99E-09	5.20E-09	6.50E-10	1.85E-09	2.50E-09
9919	437295.24	3763754.68	7.77E-09	2.45E-08	3.23E-08	1.21E-09	4.00E-09	5.21E-09	6.51E-10	1.86E-09	2.51E-09
9920	437286.44	3763751.05	7.78E-09	2.45E-08	3.23E-08	1.21E-09	4.00E-09	5.21E-09	6.51E-10	1.86E-09	2.51E-09
9921	437277.63	3763747.42	7.79E-09	2.45E-08	3.23E-08	1.21E-09	4.01E-09	5.22E-09	6.52E-10	1.86E-09	2.51E-09
9922	437268.82	3763743.78	7.79E-09	2.45E-08	3.23E-08	1.21E-09	4.01E-09	5.22E-09	6.52E-10	1.86E-09	2.51E-09
9923	437260.01	3763740.15	7.8E-09	2.45E-08	3.23E-08	1.21E-09	4.01E-09	5.22E-09	6.52E-10	1.86E-09	2.51E-09
9924	437251.21	3763736.52	7.8E-09	2.46E-08	3.24E-08	1.21E-09	4.01E-09	5.22E-09	6.53E-10	1.86E-09	2.51E-09
9925	437242.4	3763732.89	7.81E-09	2.46E-08	3.24E-08	1.21E-09	4.02E-09	5.23E-09	6.54E-10	1.86E-09	2.52E-09
9926	437233.59	3763729.25	7.83E-09	2.47E-08	3.25E-08	1.22E-09	4.03E-09	5.24E-09	6.55E-10	1.87E-09	2.52E-09
9927	437224.78	3763725.62	7.85E-09	2.47E-08	3.26E-08	1.22E-09	4.04E-09	5.26E-09	6.57E-10	1.87E-09	2.53E-09
9928	437215.98	3763721.99	7.86E-09	2.48E-08	3.26E-08	1.22E-09	4.04E-09	5.27E-09	6.58E-10	1.88E-09	2.53E-09
9929	437207.17	3763718.36	7.88E-09	2.48E-08	3.27E-08	1.22E-09	4.05E-09	5.28E-09	6.59E-10	1.88E-09	2.54E-09
9930	437198.36	3763714.73	7.9E-09	2.49E-08	3.28E-08	1.23E-09	4.06E-09	5.29E-09	6.61E-10	1.88E-09	2.55E-09
9931	437189.55	3763711.09	7.92E-09	2.49E-08	3.29E-08	1.23E-09	4.07E-09	5.31E-09	6.63E-10	1.89E-09	2.55E-09
9932	437180.74	3763707.46	7.93E-09	2.50E-08	3.29E-08	1.23E-09	4.08E-09	5.31E-09	6.64E-10	1.89E-09	2.56E-09
9933	437101.48	3763674.77	8.15E-09	2.57E-08	3.38E-08	1.27E-09	4.19E-09	5.46E-09	6.82E-10	1.94E-09	2.63E-09
9934	437092.67	3763671.14	8.18E-09	2.58E-08	3.39E-08	1.27E-09	4.21E-09	5.48E-09	6.85E-10	1.95E-09	2.64E-09
9935	437083.86	3763667.51	8.22E-09	2.59E-08	3.41E-08	1.28E-09	4.23E-09	5.51E-09	6.88E-10	1.96E-09	2.65E-09
9936	437075.05	3763663.87	8.26E-09	2.60E-08	3.43E-08	1.28E-09	4.25E-09	5.53E-09	6.91E-10	1.97E-09	2.66E-09
9937	437066.24	3763660.24	8.3E-09	2.61E-08	3.44E-08	1.29E-09	4.27E-09	5.56E-09	6.94E-10	1.98E-09	2.67E-09
9938	437057.44	3763656.61	8.34E-09	2.63E-08	3.46E-08	1.30E-09	4.29E-09	5.59E-09	6.98E-10	1.99E-09	2.69E-09
9939	437048.63	3763652.98	8.38E-09	2.64E-08	3.48E-08	1.30E-09	4.31E-09	5.61E-09	7.01E-10	2.00E-09	2.70E-09

9940	437039.82	3763649.35	8.43E-09	2.65E-08	3.50E-08	1.31E-09	4.33E-09	5.64E-09	7.05E-10	2.01E-09	2.72E-09
9941	437031.01	3763645.71	8.47E-09	2.67E-08	3.51E-08	1.32E-09	4.36E-09	5.67E-09	7.09E-10	2.02E-09	2.73E-09
9942	437022.21	3763642.08	8.52E-09	2.68E-08	3.53E-08	1.32E-09	4.38E-09	5.70E-09	7.13E-10	2.03E-09	2.75E-09
9943	437013.4	3763638.45	8.57E-09	2.70E-08	3.56E-08	1.33E-09	4.41E-09	5.74E-09	7.17E-10	2.05E-09	2.76E-09
9944	437004.59	3763634.82	8.63E-09	2.72E-08	3.58E-08	1.34E-09	4.44E-09	5.78E-09	7.22E-10	2.06E-09	2.78E-09
9945	436925.32	3763602.13	9.1E-09	2.87E-08	3.78E-08	1.41E-09	4.68E-09	6.10E-09	7.62E-10	2.17E-09	2.93E-09
9946	436916.51	3763598.49	9.14E-09	2.88E-08	3.79E-08	1.42E-09	4.70E-09	6.12E-09	7.65E-10	2.18E-09	2.95E-09
9947	436907.71	3763594.86	9.15E-09	2.88E-08	3.80E-08	1.42E-09	4.71E-09	6.13E-09	7.66E-10	2.18E-09	2.95E-09
9948	436898.9	3763591.23	9.18E-09	2.89E-08	3.81E-08	1.43E-09	4.72E-09	6.15E-09	7.68E-10	2.19E-09	2.96E-09
9949	436890.09	3763587.6	9.21E-09	2.90E-08	3.82E-08	1.43E-09	4.74E-09	6.17E-09	7.71E-10	2.20E-09	2.97E-09
9950	436881.28	3763583.96	9.25E-09	2.91E-08	3.84E-08	1.44E-09	4.76E-09	6.20E-09	7.75E-10	2.21E-09	2.98E-09
9951	436872.47	3763580.33	9.29E-09	2.93E-08	3.86E-08	1.44E-09	4.78E-09	6.22E-09	7.78E-10	2.22E-09	3.00E-09
9952	436863.67	3763576.7	9.33E-09	2.94E-08	3.87E-08	1.45E-09	4.80E-09	6.25E-09	7.81E-10	2.23E-09	3.01E-09
9953	436854.86	3763573.07	9.36E-09	2.95E-08	3.88E-08	1.45E-09	4.81E-09	6.27E-09	7.83E-10	2.23E-09	3.02E-09
9954	436846.05	3763569.44	9.38E-09	2.96E-08	3.89E-08	1.46E-09	4.83E-09	6.29E-09	7.85E-10	2.24E-09	3.02E-09
9955	436837.24	3763565.8	9.4E-09	2.96E-08	3.90E-08	1.46E-09	4.84E-09	6.30E-09	7.87E-10	2.24E-09	3.03E-09
9956	436828.44	3763562.17	9.41E-09	2.96E-08	3.91E-08	1.46E-09	4.84E-09	6.30E-09	7.88E-10	2.25E-09	3.03E-09
9957	436819.63	3763558.54	9.43E-09	2.97E-08	3.91E-08	1.47E-09	4.85E-09	6.32E-09	7.89E-10	2.25E-09	3.04E-09
9958	436810.82	3763554.91	9.45E-09	2.98E-08	3.92E-08	1.47E-09	4.86E-09	6.33E-09	7.91E-10	2.26E-09	3.05E-09
9959	436802.01	3763551.27	9.47E-09	2.98E-08	3.93E-08	1.47E-09	4.87E-09	6.35E-09	7.93E-10	2.26E-09	3.05E-09
9960	436793.21	3763547.64	9.5E-09	2.99E-08	3.94E-08	1.48E-09	4.89E-09	6.36E-09	7.95E-10	2.27E-09	3.06E-09
9961	436784.4	3763544.01	9.53E-09	3.00E-08	3.95E-08	1.48E-09	4.90E-09	6.38E-09	7.98E-10	2.27E-09	3.07E-09
9962	436775.59	3763540.38	9.56E-09	3.01E-08	3.97E-08	1.49E-09	4.92E-09	6.40E-09	8.00E-10	2.28E-09	3.08E-09
9963	436740.36	3763525.85	9.7E-09	3.05E-08	4.02E-08	1.51E-09	4.99E-09	6.50E-09	8.12E-10	2.31E-09	3.13E-09
9964	436731.55	3763522.22	9.73E-09	3.06E-08	4.04E-08	1.51E-09	5.00E-09	6.52E-09	8.14E-10	2.32E-09	3.14E-09
9965	436722.74	3763518.58	9.77E-09	3.08E-08	4.06E-08	1.52E-09	5.03E-09	6.55E-09	8.18E-10	2.33E-09	3.15E-09
9966	436710.29	3763506.15	9.95E-09	3.13E-08	4.13E-08	1.55E-09	5.12E-09	6.66E-09	8.33E-10	2.37E-09	3.21E-09
9967	436706.64	3763497.35	1.01E-08	3.18E-08	4.19E-08	1.57E-09	5.19E-09	6.76E-09	8.45E-10	2.41E-09	3.25E-09
9968	436702.98	3763488.55	1.02E-08	3.23E-08	4.25E-08	1.59E-09	5.27E-09	6.86E-09	8.57E-10	2.44E-09	3.30E-09
9969	436699.33	3763479.75	1.04E-08	3.27E-08	4.31E-08	1.61E-09	5.35E-09	6.96E-09	8.70E-10	2.48E-09	3.35E-09
9970	436695.68	3763470.95	1.05E-08	3.32E-08	4.37E-08	1.64E-09	5.42E-09	7.06E-09	8.82E-10	2.51E-09	3.40E-09
9971	436692.03	3763462.15	1.07E-08	3.37E-08	4.43E-08	1.66E-09	5.50E-09	7.16E-09	8.94E-10	2.55E-09	3.44E-09
9972	436688.38	3763453.35	1.08E-08	3.41E-08	4.49E-08	1.68E-09	5.57E-09	7.25E-09	9.07E-10	2.58E-09	3.49E-09
9973	436684.73	3763444.55	1.1E-08	3.46E-08	4.55E-08	1.70E-09	5.64E-09	7.35E-09	9.18E-10	2.62E-09	3.54E-09
9974	436681.08	3763435.75	1.11E-08	3.50E-08	4.61E-08	1.73E-09	5.72E-09	7.45E-09	9.31E-10	2.65E-09	3.58E-09
9975	436677.43	3763426.95	1.13E-08	3.55E-08	4.68E-08	1.75E-09	5.80E-09	7.55E-09	9.44E-10	2.69E-09	3.63E-09
9976	436673.78	3763418.15	1.14E-08	3.60E-08	4.74E-08	1.78E-09	5.88E-09	7.65E-09	9.57E-10	2.73E-09	3.68E-09
9977	436670.13	3763409.35	1.16E-08	3.65E-08	4.81E-08	1.80E-09	5.96E-09	7.76E-09	9.70E-10	2.76E-09	3.73E-09
9978	436666.48	3763400.55	1.17E-08	3.70E-08	4.87E-08	1.82E-09	6.04E-09	7.86E-09	9.82E-10	2.80E-09	3.78E-09
9979	436662.83	3763391.75	1.19E-08	3.74E-08	4.93E-08	1.85E-09	6.12E-09	7.96E-09	9.95E-10	2.84E-09	3.83E-09
9980	436659.18	3763382.95	1.2E-08	3.79E-08	5.00E-08	1.87E-09	6.19E-09	8.07E-09	1.01E-09	2.87E-09	3.88E-09
9981	436655.53	3763374.15	1.22E-08	3.84E-08	5.06E-08	1.89E-09	6.27E-09	8.17E-09	1.02E-09	2.91E-09	3.93E-09
9982	436651.88	3763365.35	1.23E-08	3.89E-08	5.12E-08	1.92E-09	6.35E-09	8.27E-09	1.03E-09	2.94E-09	3.98E-09
9983	436648.23	3763356.55	1.25E-08	3.93E-08	5.18E-08	1.94E-09	6.43E-09	8.37E-09	1.05E-09	2.98E-09	4.03E-09
9984	436644.58	3763347.75	1.26E-08	3.98E-08	5.24E-08	1.96E-09	6.50E-09	8.46E-09	1.06E-09	3.01E-09	4.07E-09
9985	436640.93	3763338.95	1.28E-08	4.02E-08	5.30E-08	1.98E-09	6.57E-09	8.55E-09	1.07E-09	3.05E-09	4.12E-09
9986	436637.28	3763330.15	1.29E-08	4.07E-08	5.36E-08	2.01E-09	6.64E-09	8.65E-09	1.08E-09	3.08E-09	4.16E-09
9987	436633.63	3763321.35	1.3E-08	4.11E-08	5.41E-08	2.03E-09	6.71E-09	8.74E-09	1.09E-09	3.11E-09	4.20E-09
9988	436629.97	3763312.55	1.32E-08	4.15E-08	5.47E-08	2.05E-09	6.78E-09	8.82E-09	1.10E-09	3.14E-09	4.25E-09
9989	436626.32	3763303.75	1.33E-08	4.19E-08	5.52E-08	2.07E-09	6.84E-09	8.91E-09	1.11E-09	3.17E-09	4.29E-09
9990	436622.67	3763294.95	1.34E-08	4.23E-08	5.57E-08	2.09E-09	6.91E-09	8.99E-09	1.12E-09	3.20E-09	4.33E-09
9991	436619.02	3763286.15	1.35E-08	4.27E-08	5.62E-08	2.10E-09	6.97E-09	9.07E-09	1.13E-09	3.23E-09	4.37E-09
9992	436615.37	3763277.35	1.37E-08	4.31E-08	5.67E-08	2.12E-09	7.04E-09	9.16E-09	1.14E-09	3.26E-09	4.41E-09
9993	436611.72	3763268.55	1.38E-08	4.35E-08	5.73E-08	2.14E-09	7.10E-09	9.24E-09	1.16E-09	3.29E-09	4.45E-09
9994	436608.07	3763259.75	1.39E-08	4.38E-08	5.78E-08	2.16E-09	7.16E-09	9.32E-09	1.17E-09	3.32E-09	4.49E-09
9995	436604.42	3763250.95	1.4E-08	4.42E-08	5.83E-08	2.18E-09	7.23E-09	9.41E-09	1.18E-09	3.35E-09	4.53E-09
9996	436600.77	3763242.15	1.42E-08	4.46E-08	5.88E-08	2.20E-09	7.29E-09	9.49E-09	1.19E-09	3.38E-09	4.57E-09
9997	436597.12	3763233.35	1.43E-08	4.50E-08	5.93E-08	2.22E-09	7.36E-09	9.58E-09	1.20E-09	3.41E-09	4.61E-09
9998	436593.47	3763224.55	1.44E-08	4.55E-08	5.99E-08	2.24E-09	7.43E-09	9.67E-09	1.21E-09	3.44E-09	4.65E-09
9999	436589.82	3763215.75	1.46E-08	4.59E-08	6.05E-08	2.27E-09	7.50E-09	9.77E-09	1.22E-09	3.48E-09	4.70E-09
10000	436586.17	3763206.95	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.57E-09	9.86E-09	1.23E-09	3.51E-09	4.74E-09

10001	436582.52	3763198.15	1.49E-08	4.68E-08	6.16E-08	2.31E-09	7.64E-09	9.95E-09	1.24E-09	3.54E-09	4.79E-09
10002	436578.87	3763189.35	1.49E-08	4.71E-08	6.20E-08	2.32E-09	7.69E-09	1.00E-08	1.25E-09	3.57E-09	4.82E-09
10003	436575.22	3763180.55	1.5E-08	4.74E-08	6.24E-08	2.34E-09	7.74E-09	1.01E-08	1.26E-09	3.59E-09	4.85E-09
10004	436571.57	3763171.75	1.51E-08	4.76E-08	6.28E-08	2.35E-09	7.78E-09	1.01E-08	1.27E-09	3.61E-09	4.88E-09
10005	436567.92	3763162.95	1.52E-08	4.79E-08	6.31E-08	2.36E-09	7.82E-09	1.02E-08	1.27E-09	3.63E-09	4.90E-09
10006	436564.27	3763154.15	1.53E-08	4.81E-08	6.34E-08	2.37E-09	7.86E-09	1.02E-08	1.28E-09	3.65E-09	4.93E-09
10007	436560.62	3763145.35	1.54E-08	4.83E-08	6.37E-08	2.39E-09	7.90E-09	1.03E-08	1.28E-09	3.66E-09	4.95E-09
10008	436556.97	3763136.55	1.54E-08	4.86E-08	6.40E-08	2.40E-09	7.93E-09	1.03E-08	1.29E-09	3.68E-09	4.97E-09
10009	436553.31	3763127.74	1.55E-08	4.87E-08	6.42E-08	2.41E-09	7.96E-09	1.04E-08	1.30E-09	3.69E-09	4.99E-09
10010	436549.66	3763118.94	1.55E-08	4.89E-08	6.44E-08	2.41E-09	7.99E-09	1.04E-08	1.30E-09	3.71E-09	5.01E-09
10011	436546.01	3763110.14	1.56E-08	4.91E-08	6.47E-08	2.42E-09	8.02E-09	1.04E-08	1.30E-09	3.72E-09	5.02E-09
10012	436542.36	3763101.34	1.56E-08	4.92E-08	6.48E-08	2.43E-09	8.04E-09	1.05E-08	1.31E-09	3.73E-09	5.04E-09
10013	436538.71	3763092.54	1.57E-08	4.93E-08	6.50E-08	2.43E-09	8.06E-09	1.05E-08	1.31E-09	3.74E-09	5.05E-09
10014	436535.06	3763083.74	1.57E-08	4.94E-08	6.51E-08	2.44E-09	8.08E-09	1.05E-08	1.31E-09	3.75E-09	5.06E-09
10015	436531.41	3763074.94	1.57E-08	4.95E-08	6.53E-08	2.44E-09	8.09E-09	1.05E-08	1.32E-09	3.75E-09	5.07E-09
10016	436527.76	3763066.14	1.58E-08	4.96E-08	6.54E-08	2.45E-09	8.10E-09	1.06E-08	1.32E-09	3.76E-09	5.08E-09
10017	436524.11	3763057.34	1.58E-08	4.97E-08	6.54E-08	2.45E-09	8.11E-09	1.06E-08	1.32E-09	3.76E-09	5.08E-09
10018	436520.46	3763048.54	1.58E-08	4.97E-08	6.55E-08	2.45E-09	8.12E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09
10019	436516.81	3763039.74	1.58E-08	4.97E-08	6.55E-08	2.45E-09	8.13E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09
10020	436513.16	3763030.94	1.58E-08	4.98E-08	6.55E-08	2.45E-09	8.13E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09
10021	436509.51	3763022.14	1.58E-08	4.98E-08	6.55E-08	2.45E-09	8.13E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09
10022	436505.86	3763013.34	1.58E-08	4.97E-08	6.55E-08	2.45E-09	8.13E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09
10023	436502.21	3763004.54	1.58E-08	4.97E-08	6.55E-08	2.45E-09	8.12E-09	1.06E-08	1.32E-09	3.77E-09	5.09E-09
10024	436498.56	3762995.74	1.58E-08	4.97E-08	6.55E-08	2.45E-09	8.12E-09	1.06E-08	1.32E-09	3.76E-09	5.09E-09
10025	436494.91	3762986.94	1.58E-08	4.96E-08	6.54E-08	2.45E-09	8.11E-09	1.06E-08	1.32E-09	3.76E-09	5.08E-09
10026	436491.26	3762978.14	1.57E-08	4.96E-08	6.53E-08	2.45E-09	8.10E-09	1.05E-08	1.32E-09	3.76E-09	5.08E-09
10027	436487.61	3762969.34	1.57E-08	4.95E-08	6.53E-08	2.44E-09	8.09E-09	1.05E-08	1.32E-09	3.75E-09	5.07E-09
10028	436483.96	3762960.54	1.57E-08	4.95E-08	6.52E-08	2.44E-09	8.08E-09	1.05E-08	1.31E-09	3.75E-09	5.06E-09
10029	436480.3	3762951.74	1.57E-08	4.94E-08	6.51E-08	2.44E-09	8.07E-09	1.05E-08	1.31E-09	3.74E-09	5.05E-09
10030	436476.65	3762942.94	1.57E-08	4.93E-08	6.50E-08	2.43E-09	8.06E-09	1.05E-08	1.31E-09	3.74E-09	5.05E-09
10031	436473	3762934.14	1.56E-08	4.92E-08	6.48E-08	2.43E-09	8.04E-09	1.05E-08	1.31E-09	3.73E-09	5.04E-09
10032	436469.35	3762925.34	1.56E-08	4.91E-08	6.47E-08	2.42E-09	8.02E-09	1.04E-08	1.31E-09	3.72E-09	5.03E-09
10033	436465.7	3762916.54	1.56E-08	4.90E-08	6.46E-08	2.42E-09	8.01E-09	1.04E-08	1.30E-09	3.71E-09	5.02E-09
10034	436462.05	3762907.74	1.55E-08	4.89E-08	6.44E-08	2.41E-09	7.99E-09	1.04E-08	1.30E-09	3.71E-09	5.01E-09
10035	437365.71	3763783.74	7.68E-09	2.42E-08	3.18E-08	1.19E-09	3.95E-09	5.14E-09	6.42E-10	1.83E-09	2.47E-09
10036	437375.36	3763783.72	7.71E-09	2.43E-08	3.20E-08	1.20E-09	3.97E-09	5.16E-09	6.45E-10	1.84E-09	2.48E-09
10037	437385.01	3763783.7	7.74E-09	2.44E-08	3.21E-08	1.20E-09	3.98E-09	5.18E-09	6.48E-10	1.85E-09	2.49E-09
10038	437394.66	3763783.68	7.77E-09	2.45E-08	3.22E-08	1.21E-09	4.00E-09	5.20E-09	6.50E-10	1.85E-09	2.50E-09
10039	437404.31	3763783.66	7.8E-09	2.45E-08	3.23E-08	1.21E-09	4.01E-09	5.22E-09	6.52E-10	1.86E-09	2.51E-09
10040	437413.96	3763783.64	7.82E-09	2.46E-08	3.24E-08	1.22E-09	4.02E-09	5.24E-09	6.55E-10	1.87E-09	2.52E-09
10041	437423.61	3763783.62	7.85E-09	2.47E-08	3.26E-08	1.22E-09	4.04E-09	5.26E-09	6.57E-10	1.87E-09	2.53E-09
10042	437433.26	3763783.6	7.87E-09	2.48E-08	3.26E-08	1.22E-09	4.05E-09	5.27E-09	6.58E-10	1.88E-09	2.54E-09
10043	437442.91	3763783.58	7.89E-09	2.48E-08	3.27E-08	1.23E-09	4.06E-09	5.28E-09	6.60E-10	1.88E-09	2.54E-09
10044	437452.56	3763783.56	7.91E-09	2.49E-08	3.28E-08	1.23E-09	4.07E-09	5.30E-09	6.62E-10	1.89E-09	2.55E-09
10045	437462.21	3763783.54	7.93E-09	2.50E-08	3.29E-08	1.23E-09	4.08E-09	5.31E-09	6.64E-10	1.89E-09	2.56E-09
10046	437471.86	3763783.52	7.97E-09	2.51E-08	3.30E-08	1.24E-09	4.10E-09	5.34E-09	6.67E-10	1.90E-09	2.57E-09
10047	437481.51	3763783.5	8.01E-09	2.52E-08	3.32E-08	1.24E-09	4.12E-09	5.36E-09	6.70E-10	1.91E-09	2.58E-09
10048	437491.16	3763783.48	8.05E-09	2.53E-08	3.34E-08	1.25E-09	4.14E-09	5.39E-09	6.74E-10	1.92E-09	2.59E-09
10049	437500.81	3763783.46	8.09E-09	2.55E-08	3.36E-08	1.26E-09	4.16E-09	5.42E-09	6.77E-10	1.93E-09	2.61E-09
10050	437510.46	3763783.44	8.14E-09	2.56E-08	3.38E-08	1.27E-09	4.19E-09	5.46E-09	6.82E-10	1.94E-09	2.62E-09
10051	437520.12	3763783.42	8.2E-09	2.58E-08	3.40E-08	1.27E-09	4.22E-09	5.49E-09	6.86E-10	1.96E-09	2.64E-09
10052	437529.77	3763783.4	8.22E-09	2.59E-08	3.41E-08	1.28E-09	4.23E-09	5.51E-09	6.88E-10	1.96E-09	2.65E-09
10053	437539.42	3763783.38	8.25E-09	2.60E-08	3.42E-08	1.28E-09	4.24E-09	5.52E-09	6.90E-10	1.97E-09	2.66E-09
10054	437549.07	3763783.36	8.27E-09	2.61E-08	3.43E-08	1.29E-09	4.26E-09	5.54E-09	6.92E-10	1.97E-09	2.67E-09
10055	437356.96	3763820.1	7.22E-09	2.27E-08	3.00E-08	1.12E-09	3.71E-09	4.84E-09	6.04E-10	1.72E-09	2.33E-09
10056	437348.12	3763816.45	7.23E-09	2.28E-08	3.00E-08	1.12E-09	3.72E-09	4.84E-09	6.05E-10	1.73E-09	2.33E-09
10057	437339.29	3763812.81	7.24E-09	2.28E-08	3.00E-08	1.12E-09	3.72E-09	4.85E-09	6.06E-10	1.73E-09	2.33E-09
10058	437330.46	3763809.17	7.25E-09	2.28E-08	3.01E-08	1.13E-09	3.73E-09	4.86E-09	6.07E-10	1.73E-09	2.34E-09
10059	437321.63	3763805.53	7.26E-09	2.29E-08	3.01E-08	1.13E-09	3.74E-09	4.86E-09	6.08E-10	1.73E-09	2.34E-09
10060	437312.79	3763801.88	7.27E-09	2.29E-08	3.02E-08	1.13E-09	3.74E-09	4.87E-09	6.09E-10	1.74E-09	2.34E-09
10061	437303.96	3763798.24	7.29E-09	2.29E-08	3.02E-08	1.13E-09	3.75E-09	4.88E-09	6.10E-10	1.74E-09	2.35E-09

10062	437295.13	3763794.6	7.3E-09	2.30E-08	3.03E-08	1.13E-09	3.75E-09	4.89E-09	6.11E-10	1.74E-09	2.35E-09
10063	437286.3	3763790.96	7.31E-09	2.30E-08	3.03E-08	1.14E-09	3.76E-09	4.89E-09	6.12E-10	1.74E-09	2.35E-09
10064	437277.46	3763787.31	7.32E-09	2.30E-08	3.04E-08	1.14E-09	3.77E-09	4.90E-09	6.13E-10	1.75E-09	2.36E-09
10065	437268.63	3763783.67	7.33E-09	2.31E-08	3.04E-08	1.14E-09	3.77E-09	4.91E-09	6.13E-10	1.75E-09	2.36E-09
10066	437259.8	3763780.03	7.34E-09	2.31E-08	3.04E-08	1.14E-09	3.77E-09	4.91E-09	6.14E-10	1.75E-09	2.36E-09
10067	437250.97	3763776.39	7.34E-09	2.31E-08	3.05E-08	1.14E-09	3.78E-09	4.92E-09	6.14E-10	1.75E-09	2.37E-09
10068	437242.13	3763772.74	7.35E-09	2.31E-08	3.05E-08	1.14E-09	3.78E-09	4.92E-09	6.15E-10	1.75E-09	2.37E-09
10069	437233.3	3763769.1	7.35E-09	2.32E-08	3.05E-08	1.14E-09	3.78E-09	4.92E-09	6.15E-10	1.75E-09	2.37E-09
10070	437224.47	3763765.46	7.36E-09	2.32E-08	3.05E-08	1.14E-09	3.79E-09	4.93E-09	6.16E-10	1.76E-09	2.37E-09
10071	437215.64	3763761.82	7.37E-09	2.32E-08	3.06E-08	1.14E-09	3.79E-09	4.94E-09	6.17E-10	1.76E-09	2.38E-09
10072	437206.8	3763758.17	7.38E-09	2.32E-08	3.06E-08	1.15E-09	3.79E-09	4.94E-09	6.17E-10	1.76E-09	2.38E-09
10073	437197.97	3763754.53	7.39E-09	2.33E-08	3.07E-08	1.15E-09	3.80E-09	4.95E-09	6.18E-10	1.76E-09	2.38E-09
10074	437189.14	3763750.89	7.4E-09	2.33E-08	3.07E-08	1.15E-09	3.81E-09	4.96E-09	6.20E-10	1.77E-09	2.39E-09
10075	437180.31	3763747.25	7.41E-09	2.33E-08	3.08E-08	1.15E-09	3.81E-09	4.97E-09	6.21E-10	1.77E-09	2.39E-09
10076	437153.81	3763736.32	7.46E-09	2.35E-08	3.09E-08	1.16E-09	3.84E-09	4.99E-09	6.24E-10	1.78E-09	2.40E-09
10077	437144.98	3763732.68	7.48E-09	2.35E-08	3.10E-08	1.16E-09	3.85E-09	5.01E-09	6.26E-10	1.78E-09	2.41E-09
10078	437136.14	3763729.03	7.5E-09	2.36E-08	3.11E-08	1.16E-09	3.86E-09	5.02E-09	6.28E-10	1.79E-09	2.42E-09
10079	437127.31	3763725.39	7.51E-09	2.37E-08	3.12E-08	1.17E-09	3.87E-09	5.03E-09	6.29E-10	1.79E-09	2.42E-09
10080	437118.48	3763721.75	7.53E-09	2.37E-08	3.12E-08	1.17E-09	3.87E-09	5.04E-09	6.30E-10	1.80E-09	2.43E-09
10081	437109.64	3763718.11	7.55E-09	2.38E-08	3.13E-08	1.17E-09	3.88E-09	5.06E-09	6.32E-10	1.80E-09	2.43E-09
10082	437100.81	3763714.46	7.57E-09	2.38E-08	3.14E-08	1.18E-09	3.89E-09	5.07E-09	6.33E-10	1.81E-09	2.44E-09
10083	437091.98	3763710.82	7.58E-09	2.39E-08	3.14E-08	1.18E-09	3.90E-09	5.08E-09	6.34E-10	1.81E-09	2.44E-09
10084	437083.15	3763707.18	7.6E-09	2.39E-08	3.15E-08	1.18E-09	3.91E-09	5.09E-09	6.36E-10	1.81E-09	2.45E-09
10085	437012.49	3763678.04	7.9E-09	2.49E-08	3.28E-08	1.23E-09	4.07E-09	5.29E-09	6.62E-10	1.89E-09	2.55E-09
10086	437003.65	3763674.4	7.96E-09	2.51E-08	3.30E-08	1.24E-09	4.09E-09	5.33E-09	6.66E-10	1.90E-09	2.56E-09
10087	436994.82	3763670.75	8.02E-09	2.52E-08	3.33E-08	1.25E-09	4.12E-09	5.37E-09	6.71E-10	1.91E-09	2.58E-09
10088	436985.99	3763667.11	8.07E-09	2.54E-08	3.35E-08	1.25E-09	4.15E-09	5.41E-09	6.76E-10	1.93E-09	2.60E-09
10089	436977.16	3763663.47	8.13E-09	2.56E-08	3.37E-08	1.26E-09	4.18E-09	5.45E-09	6.81E-10	1.94E-09	2.62E-09
10090	436968.32	3763659.83	8.26E-09	2.60E-08	3.43E-08	1.28E-09	4.25E-09	5.53E-09	6.91E-10	1.97E-09	2.66E-09
10091	436959.49	3763656.18	8.3E-09	2.61E-08	3.44E-08	1.29E-09	4.27E-09	5.56E-09	6.94E-10	1.98E-09	2.67E-09
10092	436950.66	3763652.54	8.33E-09	2.62E-08	3.46E-08	1.29E-09	4.29E-09	5.58E-09	6.98E-10	1.99E-09	2.69E-09
10093	436941.83	3763648.9	8.37E-09	2.64E-08	3.47E-08	1.30E-09	4.31E-09	5.61E-09	7.01E-10	2.00E-09	2.70E-09
10094	436932.99	3763645.26	8.41E-09	2.65E-08	3.49E-08	1.31E-09	4.33E-09	5.64E-09	7.04E-10	2.01E-09	2.71E-09
10095	436924.16	3763641.61	8.45E-09	2.66E-08	3.51E-08	1.31E-09	4.35E-09	5.66E-09	7.07E-10	2.02E-09	2.72E-09
10096	436915.33	3763637.97	8.49E-09	2.67E-08	3.52E-08	1.32E-09	4.37E-09	5.69E-09	7.10E-10	2.03E-09	2.74E-09
10097	436906.5	3763634.33	8.52E-09	2.68E-08	3.54E-08	1.32E-09	4.38E-09	5.71E-09	7.13E-10	2.03E-09	2.75E-09
10098	436844.67	3763608.83	8.74E-09	2.75E-08	3.63E-08	1.36E-09	4.50E-09	5.85E-09	7.32E-10	2.09E-09	2.82E-09
10099	436835.84	3763605.19	8.77E-09	2.76E-08	3.64E-08	1.36E-09	4.51E-09	5.87E-09	7.34E-10	2.09E-09	2.83E-09
10100	436827	3763601.55	8.79E-09	2.77E-08	3.65E-08	1.37E-09	4.52E-09	5.89E-09	7.36E-10	2.10E-09	2.83E-09
10101	436818.17	3763597.9	8.82E-09	2.78E-08	3.66E-08	1.37E-09	4.54E-09	5.91E-09	7.38E-10	2.10E-09	2.84E-09
10102	436809.34	3763594.26	8.84E-09	2.78E-08	3.67E-08	1.37E-09	4.55E-09	5.92E-09	7.40E-10	2.11E-09	2.85E-09
10103	436800.5	3763590.62	8.86E-09	2.79E-08	3.68E-08	1.38E-09	4.56E-09	5.94E-09	7.42E-10	2.11E-09	2.86E-09
10104	436791.67	3763586.98	8.87E-09	2.79E-08	3.68E-08	1.38E-09	4.57E-09	5.94E-09	7.43E-10	2.12E-09	2.86E-09
10105	436782.84	3763583.33	8.89E-09	2.80E-08	3.69E-08	1.38E-09	4.57E-09	5.95E-09	7.44E-10	2.12E-09	2.86E-09
10106	436774.01	3763579.69	8.9E-09	2.80E-08	3.69E-08	1.38E-09	4.58E-09	5.96E-09	7.45E-10	2.12E-09	2.87E-09
10107	436747.51	3763568.76	8.96E-09	2.82E-08	3.72E-08	1.39E-09	4.61E-09	6.00E-09	7.50E-10	2.14E-09	2.89E-09
10108	436738.68	3763565.12	8.98E-09	2.83E-08	3.73E-08	1.40E-09	4.62E-09	6.02E-09	7.52E-10	2.14E-09	2.89E-09
10109	436729.84	3763561.48	9.01E-09	2.84E-08	3.74E-08	1.40E-09	4.64E-09	6.04E-09	7.55E-10	2.15E-09	2.91E-09
10110	436721.01	3763557.84	9.05E-09	2.85E-08	3.75E-08	1.41E-09	4.65E-09	6.06E-09	7.57E-10	2.16E-09	2.92E-09
10111	436712.18	3763554.19	9.08E-09	2.86E-08	3.77E-08	1.41E-09	4.67E-09	6.09E-09	7.60E-10	2.17E-09	2.93E-09
10112	436703.35	3763550.55	9.13E-09	2.88E-08	3.79E-08	1.42E-09	4.70E-09	6.12E-09	7.65E-10	2.18E-09	2.94E-09
10113	436694.51	3763546.91	9.17E-09	2.89E-08	3.80E-08	1.42E-09	4.72E-09	6.14E-09	7.67E-10	2.19E-09	2.96E-09
10114	436682.02	3763534.44	9.34E-09	2.94E-08	3.88E-08	1.45E-09	4.81E-09	6.26E-09	7.82E-10	2.23E-09	3.01E-09
10115	436678.36	3763525.62	9.48E-09	2.99E-08	3.93E-08	1.47E-09	4.88E-09	6.35E-09	7.93E-10	2.26E-09	3.06E-09
10116	436674.7	3763516.79	9.6E-09	3.02E-08	3.98E-08	1.49E-09	4.94E-09	6.43E-09	8.04E-10	2.29E-09	3.10E-09
10117	436671.04	3763507.97	9.73E-09	3.06E-08	4.04E-08	1.51E-09	5.01E-09	6.52E-09	8.15E-10	2.32E-09	3.14E-09
10118	436667.38	3763499.14	9.86E-09	3.11E-08	4.09E-08	1.53E-09	5.07E-09	6.60E-09	8.25E-10	2.35E-09	3.18E-09
10119	436663.72	3763490.32	9.99E-09	3.15E-08	4.15E-08	1.55E-09	5.14E-09	6.69E-09	8.36E-10	2.38E-09	3.22E-09
10120	436660.06	3763481.49	1.01E-08	3.19E-08	4.20E-08	1.57E-09	5.21E-09	6.78E-09	8.48E-10	2.42E-09	3.26E-09
10121	436656.39	3763472.67	1.03E-08	3.23E-08	4.26E-08	1.59E-09	5.28E-09	6.87E-09	8.59E-10	2.45E-09	3.31E-09
10122	436652.73	3763463.84	1.04E-08	3.27E-08	4.31E-08	1.61E-09	5.34E-09	6.95E-09	8.69E-10	2.48E-09	3.35E-09

10123	436649.07	3763455.02	1.05E-08	3.31E-08	4.36E-08	1.63E-09	5.41E-09	7.04E-09	8.80E-10	2.51E-09	3.39E-09
10124	436645.41	3763446.19	1.06E-08	3.35E-08	4.41E-08	1.65E-09	5.47E-09	7.13E-09	8.91E-10	2.54E-09	3.43E-09
10125	436641.75	3763437.37	1.08E-08	3.39E-08	4.47E-08	1.67E-09	5.54E-09	7.22E-09	9.02E-10	2.57E-09	3.47E-09
10126	436638.09	3763428.54	1.09E-08	3.44E-08	4.53E-08	1.70E-09	5.61E-09	7.31E-09	9.13E-10	2.60E-09	3.52E-09
10127	436634.43	3763419.72	1.1E-08	3.48E-08	4.58E-08	1.72E-09	5.68E-09	7.40E-09	9.25E-10	2.64E-09	3.56E-09
10128	436630.77	3763410.89	1.12E-08	3.52E-08	4.64E-08	1.74E-09	5.76E-09	7.49E-09	9.36E-10	2.67E-09	3.61E-09
10129	436627.11	3763402.07	1.13E-08	3.57E-08	4.70E-08	1.76E-09	5.83E-09	7.59E-09	9.49E-10	2.70E-09	3.65E-09
10130	436623.45	3763393.24	1.15E-08	3.62E-08	4.76E-08	1.78E-09	5.91E-09	7.69E-09	9.61E-10	2.74E-09	3.70E-09
10131	436619.79	3763384.42	1.16E-08	3.66E-08	4.82E-08	1.81E-09	5.98E-09	7.79E-09	9.73E-10	2.77E-09	3.75E-09
10132	436616.13	3763375.59	1.18E-08	3.70E-08	4.88E-08	1.83E-09	6.05E-09	7.88E-09	9.84E-10	2.81E-09	3.79E-09
10133	436612.47	3763366.77	1.19E-08	3.74E-08	4.93E-08	1.85E-09	6.11E-09	7.96E-09	9.95E-10	2.84E-09	3.83E-09
10134	436608.8	3763357.94	1.2E-08	3.78E-08	4.98E-08	1.87E-09	6.18E-09	8.04E-09	1.01E-09	2.87E-09	3.87E-09
10135	436605.14	3763349.12	1.21E-08	3.82E-08	5.03E-08	1.88E-09	6.24E-09	8.12E-09	1.02E-09	2.89E-09	3.91E-09
10136	436601.48	3763340.29	1.22E-08	3.85E-08	5.08E-08	1.90E-09	6.30E-09	8.20E-09	1.02E-09	2.92E-09	3.95E-09
10137	436597.82	3763331.47	1.23E-08	3.89E-08	5.12E-08	1.92E-09	6.35E-09	8.27E-09	1.03E-09	2.95E-09	3.98E-09
10138	436594.16	3763322.64	1.25E-08	3.92E-08	5.17E-08	1.93E-09	6.41E-09	8.34E-09	1.04E-09	2.97E-09	4.01E-09
10139	436590.5	3763313.82	1.26E-08	3.96E-08	5.21E-08	1.95E-09	6.46E-09	8.41E-09	1.05E-09	3.00E-09	4.05E-09
10140	436586.84	3763304.99	1.27E-08	3.99E-08	5.26E-08	1.97E-09	6.52E-09	8.49E-09	1.06E-09	3.02E-09	4.09E-09
10141	436583.18	3763296.17	1.28E-08	4.03E-08	5.31E-08	1.99E-09	6.58E-09	8.57E-09	1.07E-09	3.05E-09	4.12E-09
10142	436579.52	3763287.34	1.29E-08	4.06E-08	5.35E-08	2.01E-09	6.64E-09	8.64E-09	1.08E-09	3.08E-09	4.16E-09
10143	436575.86	3763278.52	1.3E-08	4.10E-08	5.40E-08	2.02E-09	6.70E-09	8.72E-09	1.09E-09	3.11E-09	4.20E-09
10144	436572.2	3763269.69	1.31E-08	4.14E-08	5.45E-08	2.04E-09	6.76E-09	8.80E-09	1.10E-09	3.13E-09	4.23E-09
10145	436568.54	3763260.87	1.32E-08	4.17E-08	5.50E-08	2.06E-09	6.82E-09	8.87E-09	1.11E-09	3.16E-09	4.27E-09
10146	436564.88	3763252.04	1.34E-08	4.21E-08	5.55E-08	2.08E-09	6.88E-09	8.96E-09	1.12E-09	3.19E-09	4.31E-09
10147	436561.21	3763243.22	1.35E-08	4.25E-08	5.61E-08	2.10E-09	6.95E-09	9.05E-09	1.13E-09	3.22E-09	4.35E-09
10148	436557.55	3763234.39	1.36E-08	4.30E-08	5.66E-08	2.12E-09	7.02E-09	9.14E-09	1.14E-09	3.26E-09	4.40E-09
10149	436553.89	3763225.57	1.38E-08	4.33E-08	5.71E-08	2.14E-09	7.08E-09	9.22E-09	1.15E-09	3.28E-09	4.43E-09
10150	436550.23	3763216.74	1.38E-08	4.36E-08	5.75E-08	2.15E-09	7.13E-09	9.28E-09	1.16E-09	3.30E-09	4.46E-09
10151	436546.57	3763207.92	1.39E-08	4.39E-08	5.78E-08	2.16E-09	7.17E-09	9.33E-09	1.17E-09	3.32E-09	4.49E-09
10152	436542.91	3763199.09	1.4E-08	4.41E-08	5.82E-08	2.18E-09	7.21E-09	9.39E-09	1.17E-09	3.34E-09	4.52E-09
10153	436539.25	3763190.27	1.41E-08	4.44E-08	5.85E-08	2.19E-09	7.25E-09	9.44E-09	1.18E-09	3.36E-09	4.54E-09
10154	436535.59	3763181.44	1.42E-08	4.46E-08	5.88E-08	2.20E-09	7.29E-09	9.49E-09	1.19E-09	3.38E-09	4.57E-09
10155	436531.93	3763172.62	1.42E-08	4.48E-08	5.91E-08	2.21E-09	7.32E-09	9.54E-09	1.19E-09	3.40E-09	4.59E-09
10156	436528.27	3763163.79	1.43E-08	4.50E-08	5.93E-08	2.22E-09	7.36E-09	9.58E-09	1.20E-09	3.41E-09	4.61E-09
10157	436524.61	3763154.97	1.44E-08	4.52E-08	5.96E-08	2.23E-09	7.39E-09	9.62E-09	1.20E-09	3.43E-09	4.63E-09
10158	436520.95	3763146.14	1.44E-08	4.54E-08	5.98E-08	2.24E-09	7.42E-09	9.66E-09	1.21E-09	3.44E-09	4.65E-09
10159	436517.28	3763137.32	1.45E-08	4.56E-08	6.00E-08	2.25E-09	7.44E-09	9.69E-09	1.21E-09	3.45E-09	4.66E-09
10160	436513.62	3763128.49	1.45E-08	4.57E-08	6.02E-08	2.26E-09	7.47E-09	9.72E-09	1.22E-09	3.46E-09	4.68E-09
10161	436509.96	3763119.67	1.46E-08	4.58E-08	6.04E-08	2.26E-09	7.49E-09	9.75E-09	1.22E-09	3.47E-09	4.69E-09
10162	436506.3	3763110.84	1.46E-08	4.60E-08	6.06E-08	2.27E-09	7.51E-09	9.78E-09	1.22E-09	3.48E-09	4.70E-09
10163	436502.64	3763102.02	1.46E-08	4.61E-08	6.07E-08	2.27E-09	7.53E-09	9.80E-09	1.22E-09	3.49E-09	4.72E-09
10164	436498.98	3763093.19	1.47E-08	4.61E-08	6.08E-08	2.28E-09	7.54E-09	9.82E-09	1.23E-09	3.50E-09	4.72E-09
10165	436495.32	3763084.37	1.47E-08	4.62E-08	6.09E-08	2.28E-09	7.55E-09	9.83E-09	1.23E-09	3.50E-09	4.73E-09
10166	436491.66	3763075.54	1.47E-08	4.63E-08	6.10E-08	2.28E-09	7.56E-09	9.85E-09	1.23E-09	3.51E-09	4.74E-09
10167	436488	3763066.72	1.47E-08	4.63E-08	6.10E-08	2.29E-09	7.57E-09	9.85E-09	1.23E-09	3.51E-09	4.74E-09
10168	436484.34	3763057.89	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.58E-09	9.86E-09	1.23E-09	3.51E-09	4.75E-09
10169	436480.68	3763049.07	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.58E-09	9.87E-09	1.23E-09	3.52E-09	4.75E-09
10170	436477.02	3763040.24	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.58E-09	9.87E-09	1.23E-09	3.52E-09	4.75E-09
10171	436473.36	3763031.42	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.58E-09	9.87E-09	1.23E-09	3.52E-09	4.75E-09
10172	436469.69	3763022.59	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.58E-09	9.87E-09	1.23E-09	3.51E-09	4.75E-09
10173	436466.03	3763013.77	1.47E-08	4.64E-08	6.11E-08	2.29E-09	7.57E-09	9.86E-09	1.23E-09	3.51E-09	4.74E-09
10174	436462.37	3763004.94	1.47E-08	4.63E-08	6.10E-08	2.29E-09	7.57E-09	9.85E-09	1.23E-09	3.51E-09	4.74E-09
10175	436458.71	3762996.12	1.47E-08	4.63E-08	6.10E-08	2.28E-09	7.56E-09	9.85E-09	1.23E-09	3.51E-09	4.74E-09
10176	436455.05	3762987.29	1.47E-08	4.62E-08	6.09E-08	2.28E-09	7.55E-09	9.84E-09	1.23E-09	3.50E-09	4.73E-09
10177	436451.39	3762978.47	1.47E-08	4.62E-08	6.09E-08	2.28E-09	7.55E-09	9.82E-09	1.23E-09	3.50E-09	4.73E-09
10178	436447.73	3762969.64	1.46E-08	4.61E-08	6.08E-08	2.28E-09	7.53E-09	9.81E-09	1.23E-09	3.49E-09	4.72E-09
10179	436444.07	3762960.82	1.46E-08	4.61E-08	6.07E-08	2.27E-09	7.52E-09	9.80E-09	1.22E-09	3.49E-09	4.71E-09
10180	436440.41	3762951.99	1.46E-08	4.60E-08	6.06E-08	2.27E-09	7.51E-09	9.78E-09	1.22E-09	3.48E-09	4.71E-09
10181	436436.75	3762943.17	1.46E-08	4.59E-08	6.05E-08	2.27E-09	7.50E-09	9.77E-09	1.22E-09	3.48E-09	4.70E-09
10182	436433.09	3762934.34	1.46E-08	4.58E-08	6.04E-08	2.26E-09	7.49E-09	9.75E-09	1.22E-09	3.47E-09	4.69E-09
10183	436429.43	3762925.52	1.45E-08	4.57E-08	6.03E-08	2.26E-09	7.47E-09	9.73E-09	1.22E-09	3.47E-09	4.68E-09

10184	436425.76	3762916.69	1.45E-08	4.56E-08	6.01E-08	2.25E-09	7.46E-09	9.71E-09	1.21E-09	3.46E-09	4.67E-09
10185	436422.1	3762907.87	1.45E-08	4.55E-08	6.00E-08	2.25E-09	7.44E-09	9.69E-09	1.21E-09	3.45E-09	4.66E-09
10186	437365.79	3763823.74	7.21E-09	2.27E-08	2.99E-08	1.12E-09	3.71E-09	4.83E-09	6.03E-10	1.72E-09	2.32E-09
10187	437375.44	3763823.72	7.24E-09	2.28E-08	3.00E-08	1.12E-09	3.72E-09	4.85E-09	6.06E-10	1.73E-09	2.33E-09
10188	437385.09	3763823.7	7.27E-09	2.29E-08	3.02E-08	1.13E-09	3.74E-09	4.87E-09	6.08E-10	1.73E-09	2.34E-09
10189	437394.74	3763823.68	7.3E-09	2.30E-08	3.03E-08	1.13E-09	3.75E-09	4.89E-09	6.11E-10	1.74E-09	2.35E-09
10190	437404.39	3763823.66	7.33E-09	2.31E-08	3.04E-08	1.14E-09	3.77E-09	4.91E-09	6.13E-10	1.75E-09	2.36E-09
10191	437414.04	3763823.64	7.35E-09	2.32E-08	3.05E-08	1.14E-09	3.78E-09	4.92E-09	6.15E-10	1.75E-09	2.37E-09
10192	437423.69	3763823.62	7.38E-09	2.32E-08	3.06E-08	1.15E-09	3.79E-09	4.94E-09	6.17E-10	1.76E-09	2.38E-09
10193	437433.34	3763823.6	7.4E-09	2.33E-08	3.07E-08	1.15E-09	3.81E-09	4.96E-09	6.19E-10	1.77E-09	2.38E-09
10194	437442.99	3763823.58	7.42E-09	2.34E-08	3.08E-08	1.15E-09	3.82E-09	4.97E-09	6.21E-10	1.77E-09	2.39E-09
10195	437452.64	3763823.56	7.43E-09	2.34E-08	3.08E-08	1.16E-09	3.82E-09	4.98E-09	6.22E-10	1.77E-09	2.40E-09
10196	437462.29	3763823.54	7.46E-09	2.35E-08	3.09E-08	1.16E-09	3.84E-09	4.99E-09	6.24E-10	1.78E-09	2.40E-09
10197	437471.95	3763823.52	7.48E-09	2.35E-08	3.10E-08	1.16E-09	3.85E-09	5.01E-09	6.26E-10	1.78E-09	2.41E-09
10198	437481.6	3763823.5	7.49E-09	2.36E-08	3.11E-08	1.16E-09	3.85E-09	5.02E-09	6.27E-10	1.79E-09	2.42E-09
10199	437491.25	3763823.48	7.52E-09	2.37E-08	3.12E-08	1.17E-09	3.87E-09	5.04E-09	6.29E-10	1.79E-09	2.42E-09
10200	437500.9	3763823.46	7.55E-09	2.38E-08	3.13E-08	1.17E-09	3.88E-09	5.06E-09	6.32E-10	1.80E-09	2.43E-09
10201	437510.55	3763823.44	7.58E-09	2.39E-08	3.15E-08	1.18E-09	3.90E-09	5.08E-09	6.35E-10	1.81E-09	2.44E-09
10202	437520.2	3763823.42	7.62E-09	2.40E-08	3.16E-08	1.18E-09	3.92E-09	5.11E-09	6.38E-10	1.82E-09	2.46E-09
10203	437529.85	3763823.4	7.64E-09	2.41E-08	3.17E-08	1.19E-09	3.93E-09	5.12E-09	6.40E-10	1.82E-09	2.46E-09
10204	437539.5	3763823.38	7.66E-09	2.41E-08	3.18E-08	1.19E-09	3.94E-09	5.13E-09	6.41E-10	1.83E-09	2.47E-09
10205	437549.15	3763823.36	7.68E-09	2.42E-08	3.19E-08	1.19E-09	3.95E-09	5.14E-09	6.43E-10	1.83E-09	2.48E-09
10206	437357.02	3763860.09	6.8E-09	2.14E-08	2.82E-08	1.06E-09	3.50E-09	4.56E-09	5.70E-10	1.62E-09	2.19E-09
10207	437348.16	3763856.43	6.82E-09	2.15E-08	2.83E-08	1.06E-09	3.51E-09	4.57E-09	5.71E-10	1.63E-09	2.20E-09
10208	437339.31	3763852.78	6.83E-09	2.15E-08	2.83E-08	1.06E-09	3.51E-09	4.57E-09	5.71E-10	1.63E-09	2.20E-09
10209	437330.45	3763849.13	6.84E-09	2.15E-08	2.84E-08	1.06E-09	3.52E-09	4.58E-09	5.72E-10	1.63E-09	2.20E-09
10210	437321.59	3763845.48	6.85E-09	2.16E-08	2.84E-08	1.06E-09	3.52E-09	4.59E-09	5.73E-10	1.63E-09	2.21E-09
10211	437312.74	3763841.83	6.86E-09	2.16E-08	2.85E-08	1.07E-09	3.53E-09	4.59E-09	5.74E-10	1.64E-09	2.21E-09
10212	437303.88	3763838.17	6.87E-09	2.16E-08	2.85E-08	1.07E-09	3.53E-09	4.60E-09	5.75E-10	1.64E-09	2.21E-09
10213	437295.03	3763834.52	6.88E-09	2.17E-08	2.85E-08	1.07E-09	3.54E-09	4.61E-09	5.76E-10	1.64E-09	2.22E-09
10214	437286.17	3763830.87	6.89E-09	2.17E-08	2.86E-08	1.07E-09	3.55E-09	4.62E-09	5.77E-10	1.64E-09	2.22E-09
10215	437277.32	3763827.22	6.9E-09	2.17E-08	2.86E-08	1.07E-09	3.55E-09	4.62E-09	5.78E-10	1.65E-09	2.22E-09
10216	437268.46	3763823.57	6.91E-09	2.18E-08	2.87E-08	1.07E-09	3.55E-09	4.63E-09	5.78E-10	1.65E-09	2.23E-09
10217	437259.61	3763819.91	6.92E-09	2.18E-08	2.87E-08	1.07E-09	3.56E-09	4.63E-09	5.79E-10	1.65E-09	2.23E-09
10218	437250.75	3763816.26	6.92E-09	2.18E-08	2.87E-08	1.08E-09	3.56E-09	4.64E-09	5.80E-10	1.65E-09	2.23E-09
10219	437241.89	3763812.61	6.93E-09	2.18E-08	2.87E-08	1.08E-09	3.56E-09	4.64E-09	5.80E-10	1.65E-09	2.23E-09
10220	437233.04	3763808.96	6.94E-09	2.18E-08	2.88E-08	1.08E-09	3.57E-09	4.65E-09	5.81E-10	1.66E-09	2.24E-09
10221	437224.18	3763805.31	6.94E-09	2.19E-08	2.88E-08	1.08E-09	3.57E-09	4.65E-09	5.81E-10	1.66E-09	2.24E-09
10222	437215.33	3763801.65	6.95E-09	2.19E-08	2.88E-08	1.08E-09	3.57E-09	4.65E-09	5.81E-10	1.66E-09	2.24E-09
10223	437206.47	3763798	6.95E-09	2.19E-08	2.88E-08	1.08E-09	3.58E-09	4.66E-09	5.82E-10	1.66E-09	2.24E-09
10224	437197.62	3763794.35	6.95E-09	2.19E-08	2.89E-08	1.08E-09	3.58E-09	4.66E-09	5.82E-10	1.66E-09	2.24E-09
10225	437188.76	3763790.7	6.96E-09	2.19E-08	2.89E-08	1.08E-09	3.58E-09	4.66E-09	5.82E-10	1.66E-09	2.24E-09
10226	437179.91	3763787.05	6.97E-09	2.19E-08	2.89E-08	1.08E-09	3.58E-09	4.67E-09	5.83E-10	1.66E-09	2.25E-09
10227	437153.34	3763776.09	7.01E-09	2.21E-08	2.91E-08	1.09E-09	3.61E-09	4.69E-09	5.87E-10	1.67E-09	2.26E-09
10228	437144.48	3763772.44	7.02E-09	2.21E-08	2.91E-08	1.09E-09	3.61E-09	4.71E-09	5.88E-10	1.68E-09	2.26E-09
10229	437135.63	3763768.79	7.04E-09	2.22E-08	2.92E-08	1.09E-09	3.62E-09	4.72E-09	5.90E-10	1.68E-09	2.27E-09
10230	437126.77	3763765.13	7.06E-09	2.22E-08	2.93E-08	1.10E-09	3.63E-09	4.73E-09	5.91E-10	1.69E-09	2.28E-09
10231	437117.92	3763761.48	7.07E-09	2.23E-08	2.94E-08	1.10E-09	3.64E-09	4.74E-09	5.92E-10	1.69E-09	2.28E-09
10232	437109.06	3763757.83	7.09E-09	2.23E-08	2.94E-08	1.10E-09	3.65E-09	4.75E-09	5.93E-10	1.69E-09	2.28E-09
10233	437100.21	3763754.18	7.1E-09	2.24E-08	2.95E-08	1.10E-09	3.65E-09	4.76E-09	5.95E-10	1.69E-09	2.29E-09
10234	437091.35	3763750.53	7.11E-09	2.24E-08	2.95E-08	1.10E-09	3.66E-09	4.76E-09	5.95E-10	1.70E-09	2.29E-09
10235	437082.49	3763746.87	7.12E-09	2.24E-08	2.95E-08	1.11E-09	3.66E-09	4.77E-09	5.96E-10	1.70E-09	2.29E-09
10236	437073.64	3763743.22	7.12E-09	2.24E-08	2.96E-08	1.11E-09	3.66E-09	4.77E-09	5.96E-10	1.70E-09	2.30E-09
10237	437064.78	3763739.57	7.14E-09	2.25E-08	2.96E-08	1.11E-09	3.67E-09	4.78E-09	5.98E-10	1.70E-09	2.30E-09
10238	437055.93	3763735.92	7.16E-09	2.26E-08	2.97E-08	1.11E-09	3.68E-09	4.80E-09	5.99E-10	1.71E-09	2.31E-09
10239	437047.07	3763732.27	7.19E-09	2.26E-08	2.98E-08	1.12E-09	3.70E-09	4.81E-09	6.01E-10	1.71E-09	2.32E-09
10240	437038.22	3763728.61	7.21E-09	2.27E-08	2.99E-08	1.12E-09	3.71E-09	4.83E-09	6.04E-10	1.72E-09	2.33E-09
10241	437029.36	3763724.96	7.25E-09	2.28E-08	3.01E-08	1.13E-09	3.73E-09	4.86E-09	6.07E-10	1.73E-09	2.34E-09
10242	437020.5	3763721.31	7.29E-09	2.30E-08	3.02E-08	1.13E-09	3.75E-09	4.88E-09	6.10E-10	1.74E-09	2.35E-09
10243	437011.65	3763717.66	7.34E-09	2.31E-08	3.04E-08	1.14E-09	3.77E-09	4.91E-09	6.14E-10	1.75E-09	2.36E-09
10244	437002.79	3763714.01	7.38E-09	2.32E-08	3.06E-08	1.15E-09	3.79E-09	4.94E-09	6.17E-10	1.76E-09	2.38E-09

10245	436993.94	3763710.35	7.42E-09	2.34E-08	3.08E-08	1.15E-09	3.82E-09	4.97E-09	6.21E-10	1.77E-09	2.39E-09
10246	436985.08	3763706.7	7.47E-09	2.35E-08	3.10E-08	1.16E-09	3.84E-09	5.01E-09	6.25E-10	1.78E-09	2.41E-09
10247	436923.09	3763681.14	7.79E-09	2.45E-08	3.23E-08	1.21E-09	4.01E-09	5.22E-09	6.52E-10	1.86E-09	2.51E-09
10248	436914.24	3763677.49	7.82E-09	2.46E-08	3.25E-08	1.22E-09	4.03E-09	5.24E-09	6.55E-10	1.87E-09	2.52E-09
10249	436905.38	3763673.83	7.86E-09	2.48E-08	3.26E-08	1.22E-09	4.04E-09	5.27E-09	6.58E-10	1.88E-09	2.53E-09
10250	436896.53	3763670.18	7.9E-09	2.49E-08	3.28E-08	1.23E-09	4.07E-09	5.29E-09	6.62E-10	1.89E-09	2.55E-09
10251	436887.67	3763666.53	7.94E-09	2.50E-08	3.30E-08	1.23E-09	4.09E-09	5.32E-09	6.65E-10	1.90E-09	2.56E-09
10252	436878.82	3763662.88	7.99E-09	2.52E-08	3.31E-08	1.24E-09	4.11E-09	5.35E-09	6.68E-10	1.91E-09	2.57E-09
10253	436869.96	3763659.23	8.02E-09	2.53E-08	3.33E-08	1.25E-09	4.13E-09	5.37E-09	6.72E-10	1.91E-09	2.59E-09
10254	436861.1	3763655.57	8.06E-09	2.54E-08	3.34E-08	1.25E-09	4.15E-09	5.40E-09	6.75E-10	1.92E-09	2.60E-09
10255	436852.25	3763651.92	8.1E-09	2.55E-08	3.36E-08	1.26E-09	4.17E-09	5.42E-09	6.78E-10	1.93E-09	2.61E-09
10256	436843.39	3763648.27	8.14E-09	2.56E-08	3.38E-08	1.26E-09	4.19E-09	5.45E-09	6.81E-10	1.94E-09	2.62E-09
10257	436834.54	3763644.62	8.17E-09	2.57E-08	3.39E-08	1.27E-09	4.20E-09	5.47E-09	6.84E-10	1.95E-09	2.63E-09
10258	436825.68	3763640.97	8.2E-09	2.58E-08	3.40E-08	1.27E-09	4.22E-09	5.49E-09	6.86E-10	1.96E-09	2.64E-09
10259	436816.83	3763637.31	8.23E-09	2.59E-08	3.41E-08	1.28E-09	4.23E-09	5.51E-09	6.89E-10	1.96E-09	2.65E-09
10260	436745.98	3763608.1	8.4E-09	2.64E-08	3.48E-08	1.30E-09	4.32E-09	5.62E-09	7.03E-10	2.00E-09	2.71E-09
10261	436737.13	3763604.45	8.42E-09	2.65E-08	3.49E-08	1.31E-09	4.33E-09	5.64E-09	7.05E-10	2.01E-09	2.71E-09
10262	436728.27	3763600.79	8.44E-09	2.66E-08	3.50E-08	1.31E-09	4.34E-09	5.65E-09	7.07E-10	2.01E-09	2.72E-09
10263	436719.42	3763597.14	8.47E-09	2.67E-08	3.51E-08	1.32E-09	4.36E-09	5.67E-09	7.09E-10	2.02E-09	2.73E-09
10264	436710.56	3763593.49	8.5E-09	2.68E-08	3.53E-08	1.32E-09	4.37E-09	5.69E-09	7.11E-10	2.03E-09	2.74E-09
10265	436701.7	3763589.84	8.52E-09	2.68E-08	3.54E-08	1.32E-09	4.38E-09	5.71E-09	7.13E-10	2.03E-09	2.75E-09
10266	436692.85	3763586.19	8.55E-09	2.69E-08	3.55E-08	1.33E-09	4.40E-09	5.72E-09	7.15E-10	2.04E-09	2.75E-09
10267	436683.99	3763582.54	8.58E-09	2.70E-08	3.56E-08	1.33E-09	4.41E-09	5.75E-09	7.18E-10	2.05E-09	2.77E-09
10268	436675.14	3763578.88	8.61E-09	2.71E-08	3.57E-08	1.34E-09	4.43E-09	5.77E-09	7.21E-10	2.06E-09	2.78E-09
10269	436666.28	3763575.23	8.64E-09	2.72E-08	3.59E-08	1.34E-09	4.45E-09	5.79E-09	7.23E-10	2.06E-09	2.79E-09
10270	436653.76	3763562.73	8.78E-09	2.77E-08	3.64E-08	1.36E-09	4.52E-09	5.88E-09	7.35E-10	2.10E-09	2.83E-09
10271	436650.09	3763553.88	8.9E-09	2.80E-08	3.69E-08	1.38E-09	4.58E-09	5.96E-09	7.45E-10	2.12E-09	2.87E-09
10272	436646.42	3763545.04	9.01E-09	2.84E-08	3.74E-08	1.40E-09	4.64E-09	6.04E-09	7.54E-10	2.15E-09	2.90E-09
10273	436642.74	3763536.19	9.12E-09	2.87E-08	3.79E-08	1.42E-09	4.69E-09	6.11E-09	7.64E-10	2.18E-09	2.94E-09
10274	436639.07	3763527.34	9.23E-09	2.91E-08	3.83E-08	1.43E-09	4.75E-09	6.19E-09	7.73E-10	2.20E-09	2.98E-09
10275	436635.4	3763518.49	9.35E-09	2.95E-08	3.88E-08	1.45E-09	4.81E-09	6.27E-09	7.83E-10	2.23E-09	3.02E-09
10276	436631.73	3763509.64	9.47E-09	2.98E-08	3.93E-08	1.47E-09	4.87E-09	6.35E-09	7.93E-10	2.26E-09	3.05E-09
10277	436628.06	3763500.8	9.6E-09	3.02E-08	3.98E-08	1.49E-09	4.94E-09	6.43E-09	8.03E-10	2.29E-09	3.09E-09
10278	436624.39	3763491.95	9.72E-09	3.06E-08	4.03E-08	1.51E-09	5.00E-09	6.51E-09	8.14E-10	2.32E-09	3.13E-09
10279	436620.72	3763483.1	9.84E-09	3.10E-08	4.08E-08	1.53E-09	5.06E-09	6.59E-09	8.24E-10	2.35E-09	3.17E-09
10280	436617.05	3763474.25	9.96E-09	3.14E-08	4.13E-08	1.55E-09	5.13E-09	6.67E-09	8.34E-10	2.38E-09	3.21E-09
10281	436613.38	3763465.4	1.01E-08	3.18E-08	4.18E-08	1.57E-09	5.19E-09	6.75E-09	8.44E-10	2.41E-09	3.25E-09
10282	436609.71	3763456.56	1.02E-08	3.21E-08	4.24E-08	1.59E-09	5.25E-09	6.84E-09	8.55E-10	2.44E-09	3.29E-09
10283	436606.04	3763447.71	1.03E-08	3.25E-08	4.29E-08	1.60E-09	5.31E-09	6.92E-09	8.65E-10	2.46E-09	3.33E-09
10284	436602.37	3763438.86	1.04E-08	3.29E-08	4.34E-08	1.62E-09	5.38E-09	7.00E-09	8.75E-10	2.49E-09	3.37E-09
10285	436598.7	3763430.01	1.06E-08	3.33E-08	4.39E-08	1.64E-09	5.44E-09	7.08E-09	8.85E-10	2.52E-09	3.41E-09
10286	436595.03	3763421.16	1.07E-08	3.37E-08	4.44E-08	1.66E-09	5.50E-09	7.16E-09	8.95E-10	2.55E-09	3.45E-09
10287	436591.36	3763412.32	1.08E-08	3.40E-08	4.49E-08	1.68E-09	5.56E-09	7.24E-09	9.05E-10	2.58E-09	3.48E-09
10288	436587.69	3763403.47	1.09E-08	3.44E-08	4.54E-08	1.70E-09	5.62E-09	7.32E-09	9.15E-10	2.61E-09	3.52E-09
10289	436584.02	3763394.62	1.1E-08	3.48E-08	4.58E-08	1.72E-09	5.68E-09	7.40E-09	9.25E-10	2.64E-09	3.56E-09
10290	436580.35	3763385.77	1.12E-08	3.51E-08	4.63E-08	1.73E-09	5.74E-09	7.47E-09	9.34E-10	2.66E-09	3.60E-09
10291	436576.68	3763376.92	1.13E-08	3.55E-08	4.67E-08	1.75E-09	5.79E-09	7.54E-09	9.43E-10	2.69E-09	3.63E-09
10292	436573.01	3763368.08	1.14E-08	3.58E-08	4.72E-08	1.77E-09	5.85E-09	7.61E-09	9.51E-10	2.71E-09	3.66E-09
10293	436569.34	3763359.23	1.15E-08	3.61E-08	4.76E-08	1.78E-09	5.90E-09	7.68E-09	9.60E-10	2.74E-09	3.70E-09
10294	436565.67	3763350.38	1.16E-08	3.64E-08	4.80E-08	1.80E-09	5.95E-09	7.74E-09	9.68E-10	2.76E-09	3.73E-09
10295	436562	3763341.53	1.17E-08	3.67E-08	4.84E-08	1.81E-09	6.00E-09	7.82E-09	9.77E-10	2.78E-09	3.76E-09
10296	436558.33	3763332.68	1.18E-08	3.71E-08	4.89E-08	1.83E-09	6.06E-09	7.89E-09	9.86E-10	2.81E-09	3.80E-09
10297	436554.66	3763323.84	1.19E-08	3.75E-08	4.94E-08	1.85E-09	6.12E-09	7.97E-09	9.96E-10	2.84E-09	3.83E-09
10298	436550.99	3763314.99	1.2E-08	3.78E-08	4.98E-08	1.87E-09	6.18E-09	8.04E-09	1.00E-09	2.86E-09	3.87E-09
10299	436547.32	3763306.14	1.21E-08	3.82E-08	5.03E-08	1.88E-09	6.23E-09	8.12E-09	1.01E-09	2.89E-09	3.91E-09
10300	436543.65	3763297.29	1.22E-08	3.85E-08	5.07E-08	1.90E-09	6.29E-09	8.19E-09	1.02E-09	2.92E-09	3.94E-09
10301	436539.98	3763288.44	1.23E-08	3.89E-08	5.12E-08	1.92E-09	6.35E-09	8.27E-09	1.03E-09	2.95E-09	3.98E-09
10302	436536.31	3763279.6	1.25E-08	3.92E-08	5.17E-08	1.94E-09	6.41E-09	8.35E-09	1.04E-09	2.97E-09	4.02E-09
10303	436532.64	3763270.75	1.26E-08	3.96E-08	5.22E-08	1.95E-09	6.47E-09	8.42E-09	1.05E-09	3.00E-09	4.05E-09
10304	436528.96	3763261.9	1.27E-08	4.00E-08	5.26E-08	1.97E-09	6.53E-09	8.50E-09	1.06E-09	3.03E-09	4.09E-09
10305	436525.29	3763253.05	1.28E-08	4.03E-08	5.31E-08	1.99E-09	6.58E-09	8.57E-09	1.07E-09	3.05E-09	4.12E-09

10306	436521.62	3763244.2	1.29E-08	4.05E-08	5.34E-08	2.00E-09	6.62E-09	8.62E-09	1.08E-09	3.07E-09	4.15E-09
10307	436517.95	3763235.36	1.3E-08	4.08E-08	5.37E-08	2.01E-09	6.66E-09	8.68E-09	1.08E-09	3.09E-09	4.18E-09
10308	436514.28	3763226.51	1.3E-08	4.10E-08	5.41E-08	2.02E-09	6.70E-09	8.73E-09	1.09E-09	3.11E-09	4.20E-09
10309	436510.61	3763217.66	1.31E-08	4.13E-08	5.44E-08	2.04E-09	6.74E-09	8.78E-09	1.10E-09	3.13E-09	4.22E-09
10310	436506.94	3763208.81	1.32E-08	4.15E-08	5.47E-08	2.05E-09	6.78E-09	8.82E-09	1.10E-09	3.14E-09	4.25E-09
10311	436503.27	3763199.96	1.32E-08	4.17E-08	5.50E-08	2.06E-09	6.81E-09	8.87E-09	1.11E-09	3.16E-09	4.27E-09
10312	436499.6	3763191.12	1.33E-08	4.19E-08	5.52E-08	2.07E-09	6.85E-09	8.91E-09	1.11E-09	3.18E-09	4.29E-09
10313	436495.93	3763182.27	1.34E-08	4.21E-08	5.55E-08	2.08E-09	6.88E-09	8.95E-09	1.12E-09	3.19E-09	4.31E-09
10314	436492.26	3763173.42	1.34E-08	4.23E-08	5.57E-08	2.09E-09	6.91E-09	8.99E-09	1.12E-09	3.20E-09	4.33E-09
10315	436488.59	3763164.57	1.35E-08	4.24E-08	5.59E-08	2.09E-09	6.93E-09	9.02E-09	1.13E-09	3.21E-09	4.34E-09
10316	436484.92	3763155.72	1.35E-08	4.26E-08	5.61E-08	2.10E-09	6.96E-09	9.06E-09	1.13E-09	3.23E-09	4.36E-09
10317	436481.25	3763146.88	1.36E-08	4.27E-08	5.63E-08	2.11E-09	6.98E-09	9.09E-09	1.14E-09	3.24E-09	4.37E-09
10318	436477.58	3763138.03	1.36E-08	4.28E-08	5.64E-08	2.11E-09	7.00E-09	9.11E-09	1.14E-09	3.25E-09	4.39E-09
10319	436473.91	3763129.18	1.36E-08	4.30E-08	5.66E-08	2.12E-09	7.02E-09	9.14E-09	1.14E-09	3.26E-09	4.40E-09
10320	436470.24	3763120.33	1.37E-08	4.31E-08	5.67E-08	2.12E-09	7.03E-09	9.16E-09	1.14E-09	3.26E-09	4.41E-09
10321	436466.57	3763111.48	1.37E-08	4.31E-08	5.68E-08	2.13E-09	7.05E-09	9.18E-09	1.15E-09	3.27E-09	4.42E-09
10322	436462.9	3763102.64	1.37E-08	4.32E-08	5.69E-08	2.13E-09	7.06E-09	9.19E-09	1.15E-09	3.28E-09	4.42E-09
10323	436459.23	3763093.79	1.37E-08	4.33E-08	5.70E-08	2.14E-09	7.07E-09	9.20E-09	1.15E-09	3.28E-09	4.43E-09
10324	436455.56	3763084.94	1.38E-08	4.33E-08	5.71E-08	2.14E-09	7.08E-09	9.22E-09	1.15E-09	3.28E-09	4.43E-09
10325	436451.89	3763076.09	1.38E-08	4.34E-08	5.71E-08	2.14E-09	7.08E-09	9.22E-09	1.15E-09	3.29E-09	4.44E-09
10326	436448.22	3763067.24	1.38E-08	4.34E-08	5.72E-08	2.14E-09	7.09E-09	9.23E-09	1.15E-09	3.29E-09	4.44E-09
10327	436444.55	3763058.4	1.38E-08	4.34E-08	5.72E-08	2.14E-09	7.09E-09	9.23E-09	1.15E-09	3.29E-09	4.44E-09
10328	436440.88	3763049.55	1.38E-08	4.34E-08	5.72E-08	2.14E-09	7.09E-09	9.24E-09	1.15E-09	3.29E-09	4.44E-09
10329	436437.21	3763040.7	1.38E-08	4.34E-08	5.72E-08	2.14E-09	7.09E-09	9.24E-09	1.15E-09	3.29E-09	4.44E-09
10330	436433.54	3763031.85	1.38E-08	4.34E-08	5.72E-08	2.14E-09	7.09E-09	9.23E-09	1.15E-09	3.29E-09	4.44E-09
10331	436429.87	3763023	1.38E-08	4.34E-08	5.72E-08	2.14E-09	7.09E-09	9.23E-09	1.15E-09	3.29E-09	4.44E-09
10332	436426.2	3763014.16	1.38E-08	4.34E-08	5.71E-08	2.14E-09	7.08E-09	9.22E-09	1.15E-09	3.29E-09	4.44E-09
10333	436422.53	3763005.31	1.38E-08	4.33E-08	5.71E-08	2.14E-09	7.08E-09	9.21E-09	1.15E-09	3.28E-09	4.43E-09
10334	436418.85	3762996.46	1.37E-08	4.33E-08	5.70E-08	2.13E-09	7.07E-09	9.20E-09	1.15E-09	3.28E-09	4.43E-09
10335	436415.18	3762987.61	1.37E-08	4.32E-08	5.69E-08	2.13E-09	7.06E-09	9.19E-09	1.15E-09	3.27E-09	4.42E-09
10336	436411.51	3762978.76	1.37E-08	4.32E-08	5.69E-08	2.13E-09	7.05E-09	9.18E-09	1.15E-09	3.27E-09	4.42E-09
10337	436407.84	3762969.92	1.37E-08	4.31E-08	5.68E-08	2.13E-09	7.04E-09	9.17E-09	1.15E-09	3.27E-09	4.41E-09
10338	436404.17	3762961.07	1.37E-08	4.30E-08	5.67E-08	2.12E-09	7.03E-09	9.15E-09	1.14E-09	3.26E-09	4.41E-09
10339	436400.5	3762952.22	1.36E-08	4.30E-08	5.66E-08	2.12E-09	7.02E-09	9.14E-09	1.14E-09	3.26E-09	4.40E-09
10340	436396.83	3762943.37	1.36E-08	4.29E-08	5.65E-08	2.12E-09	7.01E-09	9.12E-09	1.14E-09	3.25E-09	4.39E-09
10341	436393.16	3762934.52	1.36E-08	4.28E-08	5.64E-08	2.11E-09	6.99E-09	9.10E-09	1.14E-09	3.24E-09	4.38E-09
10342	436389.49	3762925.68	1.36E-08	4.27E-08	5.63E-08	2.11E-09	6.98E-09	9.09E-09	1.14E-09	3.24E-09	4.37E-09
10343	436385.82	3762916.83	1.35E-08	4.26E-08	5.62E-08	2.10E-09	6.96E-09	9.07E-09	1.13E-09	3.23E-09	4.36E-09
10344	436382.15	3762907.98	1.35E-08	4.25E-08	5.60E-08	2.10E-09	6.95E-09	9.05E-09	1.13E-09	3.22E-09	4.35E-09
10345	437365.87	3763863.74	6.8E-09	2.14E-08	2.82E-08	1.06E-09	3.50E-09	4.55E-09	5.69E-10	1.62E-09	2.19E-09
10346	437375.52	3763863.72	6.82E-09	2.15E-08	2.83E-08	1.06E-09	3.51E-09	4.57E-09	5.71E-10	1.63E-09	2.20E-09
10347	437385.17	3763863.7	6.85E-09	2.16E-08	2.84E-08	1.06E-09	3.52E-09	4.59E-09	5.73E-10	1.63E-09	2.21E-09
10348	437394.82	3763863.68	6.87E-09	2.17E-08	2.85E-08	1.07E-09	3.54E-09	4.61E-09	5.75E-10	1.64E-09	2.22E-09
10349	437404.47	3763863.66	6.9E-09	2.17E-08	2.86E-08	1.07E-09	3.55E-09	4.62E-09	5.78E-10	1.65E-09	2.22E-09
10350	437414.13	3763863.64	6.92E-09	2.18E-08	2.87E-08	1.07E-09	3.56E-09	4.63E-09	5.79E-10	1.65E-09	2.23E-09
10351	437423.78	3763863.62	6.93E-09	2.18E-08	2.88E-08	1.08E-09	3.57E-09	4.64E-09	5.80E-10	1.65E-09	2.23E-09
10352	437433.43	3763863.6	6.95E-09	2.19E-08	2.88E-08	1.08E-09	3.58E-09	4.66E-09	5.82E-10	1.66E-09	2.24E-09
10353	437443.08	3763863.58	6.97E-09	2.19E-08	2.89E-08	1.08E-09	3.58E-09	4.67E-09	5.83E-10	1.66E-09	2.25E-09
10354	437452.73	3763863.56	6.98E-09	2.20E-08	2.90E-08	1.08E-09	3.59E-09	4.68E-09	5.84E-10	1.67E-09	2.25E-09
10355	437462.38	3763863.54	7E-09	2.20E-08	2.90E-08	1.09E-09	3.60E-09	4.69E-09	5.86E-10	1.67E-09	2.26E-09
10356	437472.03	3763863.52	7.02E-09	2.21E-08	2.91E-08	1.09E-09	3.61E-09	4.70E-09	5.88E-10	1.68E-09	2.26E-09
10357	437481.68	3763863.5	7.04E-09	2.22E-08	2.92E-08	1.09E-09	3.62E-09	4.71E-09	5.89E-10	1.68E-09	2.27E-09
10358	437491.33	3763863.48	7.06E-09	2.22E-08	2.93E-08	1.10E-09	3.63E-09	4.73E-09	5.91E-10	1.69E-09	2.28E-09
10359	437500.98	3763863.46	7.08E-09	2.23E-08	2.94E-08	1.10E-09	3.64E-09	4.74E-09	5.93E-10	1.69E-09	2.28E-09
10360	437510.63	3763863.44	7.1E-09	2.24E-08	2.95E-08	1.10E-09	3.65E-09	4.76E-09	5.95E-10	1.69E-09	2.29E-09
10361	437520.28	3763863.42	7.12E-09	2.24E-08	2.96E-08	1.11E-09	3.66E-09	4.77E-09	5.96E-10	1.70E-09	2.30E-09
10362	437529.93	3763863.4	7.14E-09	2.25E-08	2.96E-08	1.11E-09	3.68E-09	4.79E-09	5.98E-10	1.70E-09	2.30E-09
10363	437539.58	3763863.38	7.17E-09	2.26E-08	2.97E-08	1.11E-09	3.69E-09	4.80E-09	6.00E-10	1.71E-09	2.31E-09
10364	437549.23	3763863.36	7.19E-09	2.27E-08	2.99E-08	1.12E-09	3.70E-09	4.82E-09	6.02E-10	1.72E-09	2.32E-09
10365	437577.59	3763372.37	2.55E-08	8.04E-08	1.06E-07	3.97E-09	1.31E-08	1.71E-08	2.14E-09	6.09E-09	8.23E-09
10366	437579.64	3763402.3	2.25E-08	7.09E-08	9.35E-08	3.50E-09	1.16E-08	1.51E-08	1.89E-09	5.38E-09	7.26E-09

10367	437581.45	3763432.24	2.02E-08	6.35E-08	8.36E-08	3.13E-09	1.04E-08	1.35E-08	1.69E-09	4.81E-09	6.50E-09
10368	437583.5	3763462.17	1.82E-08	5.73E-08	7.55E-08	2.83E-09	9.36E-09	1.22E-08	1.52E-09	4.34E-09	5.86E-09
10369	437586.14	3763502.09	1.61E-08	5.07E-08	6.69E-08	2.50E-09	8.29E-09	1.08E-08	1.35E-09	3.85E-09	5.19E-09
10370	437591.23	3763581.92	1.31E-08	4.12E-08	5.43E-08	2.03E-09	6.73E-09	8.76E-09	1.09E-09	3.12E-09	4.22E-09
10371	437582.11	3763582.23	1.3E-08	4.08E-08	5.38E-08	2.02E-09	6.67E-09	8.69E-09	1.09E-09	3.10E-09	4.18E-09
10372	437593.88	3763621.83	1.19E-08	3.74E-08	4.92E-08	1.84E-09	6.10E-09	7.95E-09	9.93E-10	2.83E-09	3.82E-09
10373	437584.85	3763622.14	1.18E-08	3.72E-08	4.89E-08	1.83E-09	6.07E-09	7.90E-09	9.87E-10	2.82E-09	3.80E-09
10374	437596.52	3763661.75	1.07E-08	3.37E-08	4.45E-08	1.66E-09	5.51E-09	7.18E-09	8.97E-10	2.56E-09	3.45E-09
10375	437584.6	3763662.15	1.06E-08	3.35E-08	4.41E-08	1.65E-09	5.47E-09	7.13E-09	8.91E-10	2.54E-09	3.43E-09
10376	437599.17	3763701.66	9.81E-09	3.09E-08	4.07E-08	1.52E-09	5.05E-09	6.57E-09	8.21E-10	2.34E-09	3.16E-09
10377	437587.34	3763702.06	9.74E-09	3.07E-08	4.04E-08	1.51E-09	5.01E-09	6.53E-09	8.16E-10	2.33E-09	3.14E-09
10378	437575.51	3763702.46	9.7E-09	3.05E-08	4.02E-08	1.51E-09	4.99E-09	6.50E-09	8.12E-10	2.31E-09	3.13E-09
10379	437563.69	3763702.86	9.67E-09	3.05E-08	4.01E-08	1.50E-09	4.98E-09	6.48E-09	8.10E-10	2.31E-09	3.12E-09
10380	437601.81	3763741.57	9.11E-09	2.87E-08	3.78E-08	1.42E-09	4.69E-09	6.10E-09	7.63E-10	2.17E-09	2.94E-09
10381	437590.07	3763741.97	9.06E-09	2.85E-08	3.76E-08	1.41E-09	4.66E-09	6.07E-09	7.58E-10	2.16E-09	2.92E-09
10382	437578.33	3763742.37	9.01E-09	2.84E-08	3.74E-08	1.40E-09	4.63E-09	6.03E-09	7.54E-10	2.15E-09	2.90E-09
10383	437566.59	3763742.76	8.97E-09	2.83E-08	3.72E-08	1.39E-09	4.62E-09	6.01E-09	7.51E-10	2.14E-09	2.89E-09
10384	437604.44	3763781.49	8.48E-09	2.67E-08	3.52E-08	1.32E-09	4.36E-09	5.68E-09	7.09E-10	2.02E-09	2.73E-09
10385	437592.79	3763781.88	8.42E-09	2.65E-08	3.49E-08	1.31E-09	4.33E-09	5.64E-09	7.05E-10	2.01E-09	2.71E-09
10386	437581.13	3763782.27	8.36E-09	2.63E-08	3.47E-08	1.30E-09	4.30E-09	5.60E-09	7.00E-10	1.99E-09	2.69E-09
10387	437569.47	3763782.67	8.33E-09	2.62E-08	3.45E-08	1.29E-09	4.28E-09	5.58E-09	6.97E-10	1.99E-09	2.68E-09
10388	437606.93	3763821.41	7.93E-09	2.50E-08	3.29E-08	1.23E-09	4.08E-09	5.31E-09	6.64E-10	1.89E-09	2.56E-09
10389	437597.81	3763821.71	7.88E-09	2.48E-08	3.27E-08	1.22E-09	4.06E-09	5.28E-09	6.60E-10	1.88E-09	2.54E-09
10390	437588.69	3763822.02	7.83E-09	2.47E-08	3.25E-08	1.22E-09	4.03E-09	5.25E-09	6.56E-10	1.87E-09	2.52E-09
10391	437579.56	3763822.33	7.79E-09	2.45E-08	3.23E-08	1.21E-09	4.01E-09	5.22E-09	6.52E-10	1.86E-09	2.51E-09
10392	437570.44	3763822.64	7.75E-09	2.44E-08	3.22E-08	1.20E-09	3.99E-09	5.19E-09	6.49E-10	1.85E-09	2.50E-09
10393	437561.31	3763822.95	7.72E-09	2.43E-08	3.20E-08	1.20E-09	3.97E-09	5.17E-09	6.46E-10	1.84E-09	2.49E-09
10394	437609.58	3763861.32	7.43E-09	2.34E-08	3.08E-08	1.15E-09	3.82E-09	4.98E-09	6.22E-10	1.77E-09	2.40E-09
10395	437600.52	3763861.62	7.39E-09	2.33E-08	3.07E-08	1.15E-09	3.80E-09	4.95E-09	6.18E-10	1.76E-09	2.38E-09
10396	437591.47	3763861.93	7.34E-09	2.31E-08	3.05E-08	1.14E-09	3.78E-09	4.92E-09	6.15E-10	1.75E-09	2.37E-09
10397	437582.42	3763862.24	7.31E-09	2.30E-08	3.03E-08	1.14E-09	3.76E-09	4.89E-09	6.12E-10	1.74E-09	2.35E-09
10398	437573.37	3763862.54	7.27E-09	2.29E-08	3.02E-08	1.13E-09	3.74E-09	4.87E-09	6.08E-10	1.73E-09	2.34E-09
10399	437564.32	3763862.85	7.24E-09	2.28E-08	3.00E-08	1.12E-09	3.72E-09	4.85E-09	6.06E-10	1.73E-09	2.33E-09
10400	438571.82	3763103.62	6.93E-08	2.18E-07	2.87E-07	1.08E-08	3.56E-08	4.64E-08	5.80E-09	1.65E-08	2.23E-08
10401	439040.9	3762827.09	2.89E-08	9.10E-08	1.20E-07	4.49E-09	1.49E-08	1.94E-08	2.42E-09	6.90E-09	9.32E-09
10402	439034.59	3762788.53	2.81E-08	8.85E-08	1.17E-07	4.37E-09	1.45E-08	1.88E-08	2.35E-09	6.71E-09	9.06E-09
10403	439031.09	3762754.17	2.73E-08	8.60E-08	1.13E-07	4.24E-09	1.40E-08	1.83E-08	2.28E-09	6.51E-09	8.80E-09
10404	439067.54	3762823.58	2.79E-08	8.78E-08	1.16E-07	4.33E-09	1.43E-08	1.87E-08	2.33E-09	6.65E-09	8.99E-09
10405	439087.88	3762821.48	2.72E-08	8.55E-08	1.13E-07	4.22E-09	1.40E-08	1.82E-08	2.27E-09	6.48E-09	8.76E-09
10406	439128.54	3762787.12	2.51E-08	7.92E-08	1.04E-07	3.91E-09	1.29E-08	1.68E-08	2.10E-09	6.00E-09	8.10E-09
10407	439099.09	3762753.47	2.52E-08	7.94E-08	1.05E-07	3.92E-09	1.30E-08	1.69E-08	2.11E-09	6.01E-09	8.12E-09
10408	439061.23	3762756.98	2.64E-08	8.32E-08	1.10E-07	4.10E-09	1.36E-08	1.77E-08	2.21E-09	6.30E-09	8.51E-09
10409	438582.11	3763253.07	6.28E-08	1.98E-07	2.61E-07	9.76E-09	3.23E-08	4.21E-08	5.26E-09	1.50E-08	2.03E-08
10410	438605.24	3763253.77	6.08E-08	1.91E-07	2.52E-07	9.44E-09	3.13E-08	4.07E-08	5.09E-09	1.45E-08	1.96E-08
10411	438633.97	3763255.87	5.84E-08	1.84E-07	2.42E-07	9.07E-09	3.00E-08	3.91E-08	4.88E-09	1.39E-08	1.88E-08
10412	438655	3763255.87	5.67E-08	1.79E-07	2.35E-07	8.81E-09	2.92E-08	3.80E-08	4.75E-09	1.35E-08	1.83E-08
10413	438669.02	3763249.56	5.57E-08	1.75E-07	2.31E-07	8.65E-09	2.86E-08	3.73E-08	4.66E-09	1.33E-08	1.79E-08
10414	438687.94	3763260.78	5.39E-08	1.70E-07	2.23E-07	8.37E-09	2.77E-08	3.61E-08	4.51E-09	1.29E-08	1.74E-08
10415	438687.94	3763248.86	5.43E-08	1.71E-07	2.25E-07	8.43E-09	2.79E-08	3.63E-08	4.54E-09	1.29E-08	1.75E-08
10416	438688.64	3763215.92	5.53E-08	1.74E-07	2.29E-07	8.59E-09	2.85E-08	3.70E-08	4.63E-09	1.32E-08	1.78E-08
10417	438716.68	3763216.62	5.3E-08	1.67E-07	2.20E-07	8.24E-09	2.73E-08	3.55E-08	4.44E-09	1.27E-08	1.71E-08
10418	438721.59	3763197	5.3E-08	1.67E-07	2.20E-07	8.24E-09	2.73E-08	3.55E-08	4.44E-09	1.27E-08	1.71E-08
10419	438722.29	3763173.16	5.33E-08	1.68E-07	2.21E-07	8.28E-09	2.74E-08	3.57E-08	4.46E-09	1.27E-08	1.72E-08
10420	438725.09	3763150.74	5.33E-08	1.68E-07	2.21E-07	8.27E-09	2.74E-08	3.57E-08	4.46E-09	1.27E-08	1.72E-08
10421	438711.07	3763121.3	5.45E-08	1.72E-07	2.26E-07	8.47E-09	2.80E-08	3.65E-08	4.56E-09	1.30E-08	1.76E-08
10422	438683.04	3763114.99	5.7E-08	1.80E-07	2.37E-07	8.86E-09	2.93E-08	3.82E-08	4.78E-09	1.36E-08	1.84E-08
10423	438697.76	3763097.47	5.56E-08	1.75E-07	2.31E-07	8.65E-09	2.86E-08	3.73E-08	4.66E-09	1.33E-08	1.79E-08
10424	438640.28	3763091.86	6.13E-08	1.93E-07	2.54E-07	9.53E-09	3.16E-08	4.11E-08	5.13E-09	1.46E-08	1.98E-08

			T2		T2L3		T4f	
			7773	437518.27				
			4.18E-03	1.43E-02	6.50E-04	2.33E-03	3.50E-04	1.08E-03
	UTM X	UTM Y	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	437576.96	3762904.14	3.29E-03	1.12E-02	5.11E-04	1.83E-03	2.76E-04	8.51E-04
2	437583.35	3762911.94	2.78E-03	9.48E-03	4.32E-04	1.55E-03	2.33E-04	7.19E-04
3	437619.92	3762959.42	1.25E-03	4.26E-03	1.94E-04	6.95E-04	1.04E-04	3.23E-04
4	437608.32	3762963.83	1.14E-03	3.88E-03	1.77E-04	6.34E-04	9.53E-05	2.94E-04
5	437596.72	3762968.23	1.03E-03	3.50E-03	1.59E-04	5.72E-04	8.59E-05	2.65E-04
6	437585.13	3762972.63	9.16E-04	3.12E-03	1.42E-04	5.10E-04	7.67E-05	2.37E-04
7	437632.01	3762975.29	1.00E-03	3.43E-03	1.56E-04	5.60E-04	8.41E-05	2.60E-04
8	437619.91	3762979.88	9.13E-04	3.11E-03	1.42E-04	5.09E-04	7.64E-05	2.36E-04
9	437607.8	3762984.48	8.21E-04	2.80E-03	1.28E-04	4.57E-04	6.87E-05	2.12E-04
10	437595.69	3762989.07	7.32E-04	2.50E-03	1.14E-04	4.08E-04	6.13E-05	1.89E-04
11	437583.59	3762993.67	6.49E-04	2.21E-03	1.01E-04	3.62E-04	5.43E-05	1.68E-04
12	437644.33	3762991.07	8.22E-04	2.80E-03	1.28E-04	4.58E-04	6.88E-05	2.12E-04
13	437632.38	3762995.6	7.53E-04	2.57E-03	1.17E-04	4.19E-04	6.30E-05	1.95E-04
14	437620.43	3763000.14	6.82E-04	2.33E-03	1.06E-04	3.80E-04	5.71E-05	1.76E-04
15	437608.48	3763004.67	6.13E-04	2.09E-03	9.53E-05	3.42E-04	5.13E-05	1.58E-04
16	437596.53	3763009.21	5.48E-04	1.87E-03	8.52E-05	3.05E-04	4.59E-05	1.42E-04
17	437584.58	3763013.75	4.88E-04	1.66E-03	7.58E-05	2.72E-04	4.09E-05	1.26E-04
18	437656.63	3763006.85	6.88E-04	2.35E-03	1.07E-04	3.83E-04	5.76E-05	1.78E-04
19	437644.8	3763011.34	6.33E-04	2.16E-03	9.84E-05	3.53E-04	5.30E-05	1.64E-04
20	437632.97	3763015.83	5.77E-04	1.97E-03	8.96E-05	3.21E-04	4.83E-05	1.49E-04
21	437621.14	3763020.32	5.21E-04	1.78E-03	8.10E-05	2.90E-04	4.36E-05	1.35E-04
22	437609.31	3763024.81	4.69E-04	1.60E-03	7.28E-05	2.61E-04	3.92E-05	1.21E-04
23	437597.48	3763029.3	4.21E-04	1.44E-03	6.54E-05	2.35E-04	3.52E-05	1.09E-04
24	437585.65	3763033.79	3.78E-04	1.29E-03	5.88E-05	2.11E-04	3.17E-05	9.77E-05
25	437620.1	3763041.17	3.97E-04	1.35E-03	6.16E-05	2.21E-04	3.32E-05	1.03E-04
26	437607.93	3763045.79	3.58E-04	1.22E-03	5.56E-05	1.99E-04	3.00E-05	9.25E-05
27	437595.75	3763050.41	3.23E-04	1.10E-03	5.02E-05	1.80E-04	2.71E-05	8.35E-05
28	437583.58	3763055.03	2.92E-04	9.95E-04	4.53E-05	1.63E-04	2.44E-05	7.54E-05
29	437644.94	3763052.2	3.77E-04	1.29E-03	5.86E-05	2.10E-04	3.16E-05	9.74E-05
30	437632.89	3763056.77	3.43E-04	1.17E-03	5.33E-05	1.91E-04	2.87E-05	8.86E-05
31	437620.84	3763061.35	3.12E-04	1.06E-03	4.85E-05	1.74E-04	2.61E-05	8.06E-05
32	437608.79	3763065.92	2.84E-04	9.68E-04	4.41E-05	1.58E-04	2.38E-05	7.33E-05
33	437596.74	3763070.49	2.58E-04	8.79E-04	4.01E-05	1.44E-04	2.16E-05	6.66E-05
34	437584.69	3763075.07	2.35E-04	8.00E-04	3.64E-05	1.31E-04	1.96E-05	6.06E-05
35	437693.38	3763054.26	4.15E-04	1.42E-03	6.45E-05	2.31E-04	3.48E-05	1.07E-04
36	437681.43	3763058.8	3.85E-04	1.31E-03	5.99E-05	2.15E-04	3.23E-05	9.96E-05
37	437669.48	3763063.34	3.56E-04	1.21E-03	5.53E-05	1.98E-04	2.98E-05	9.20E-05
38	437657.53	3763067.87	3.26E-04	1.11E-03	5.07E-05	1.82E-04	2.73E-05	8.43E-05
39	437645.58	3763072.41	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.49E-05	7.70E-05
40	437633.63	3763076.94	2.72E-04	9.28E-04	4.23E-05	1.52E-04	2.28E-05	7.03E-05
41	437621.68	3763081.48	2.49E-04	8.50E-04	3.88E-05	1.39E-04	2.09E-05	6.44E-05
42	437609.73	3763086.01	2.28E-04	7.79E-04	3.55E-05	1.27E-04	1.91E-05	5.90E-05
43	437597.78	3763090.55	2.08E-04	7.11E-04	3.24E-05	1.16E-04	1.74E-05	5.38E-05
44	437585.83	3763095.09	1.91E-04	6.50E-04	2.96E-05	1.06E-04	1.59E-05	4.92E-05
45	437705.56	3763070.1	3.58E-04	1.22E-03	5.56E-05	2.00E-04	3.00E-05	9.25E-05
46	437693.35	3763074.73	3.32E-04	1.13E-03	5.15E-05	1.85E-04	2.78E-05	8.57E-05
47	437681.15	3763079.36	3.07E-04	1.05E-03	4.76E-05	1.71E-04	2.57E-05	7.92E-05
48	437668.94	3763084	2.83E-04	9.64E-04	4.39E-05	1.58E-04	2.37E-05	7.31E-05

49	437656.73	3763088.63	2.59E-04	8.84E-04	4.03E-05	1.44E-04	2.17E-05	6.70E-05
50	437644.53	3763093.26	2.37E-04	8.08E-04	3.68E-05	1.32E-04	1.98E-05	6.13E-05
51	437632.32	3763097.89	2.17E-04	7.40E-04	3.37E-05	1.21E-04	1.82E-05	5.61E-05
52	437620.12	3763102.53	1.99E-04	6.78E-04	3.09E-05	1.11E-04	1.66E-05	5.14E-05
53	437607.91	3763107.16	1.82E-04	6.21E-04	2.83E-05	1.01E-04	1.52E-05	4.70E-05
54	437595.7	3763111.79	1.67E-04	5.69E-04	2.59E-05	9.29E-05	1.40E-05	4.31E-05
55	437705.75	3763090.48	2.91E-04	9.94E-04	4.53E-05	1.62E-04	2.44E-05	7.53E-05
56	437693.64	3763095.07	2.70E-04	9.22E-04	4.20E-05	1.51E-04	2.26E-05	6.99E-05
57	437681.53	3763099.67	2.50E-04	8.53E-04	3.89E-05	1.39E-04	2.09E-05	6.46E-05
58	437669.43	3763104.26	2.30E-04	7.86E-04	3.58E-05	1.28E-04	1.93E-05	5.96E-05
59	437657.32	3763108.86	2.12E-04	7.22E-04	3.29E-05	1.18E-04	1.77E-05	5.47E-05
60	437645.21	3763113.46	1.94E-04	6.62E-04	3.02E-05	1.08E-04	1.63E-05	5.02E-05
61	437633.1	3763118.05	1.78E-04	6.07E-04	2.77E-05	9.92E-05	1.49E-05	4.60E-05
62	437706.1	3763110.8	2.41E-04	8.21E-04	3.74E-05	1.34E-04	2.02E-05	6.22E-05
63	437694.08	3763115.36	2.23E-04	7.61E-04	3.47E-05	1.24E-04	1.87E-05	5.77E-05
64	437682.05	3763119.93	2.06E-04	7.03E-04	3.20E-05	1.15E-04	1.73E-05	5.33E-05
65	437670.03	3763124.49	1.90E-04	6.49E-04	2.96E-05	1.06E-04	1.59E-05	4.91E-05
66	437621.94	3763142.74	1.36E-04	4.63E-04	2.11E-05	7.57E-05	1.14E-05	3.51E-05
67	437609.92	3763147.31	1.26E-04	4.28E-04	1.95E-05	6.99E-05	1.05E-05	3.24E-05
68	437597.89	3763151.87	1.17E-04	4.00E-04	1.82E-05	6.54E-05	9.82E-06	3.03E-05
69	437585.87	3763156.43	1.10E-04	3.75E-04	1.71E-05	6.13E-05	9.21E-06	2.84E-05
70	437748.53	3763125.37	2.31E-04	7.88E-04	3.59E-05	1.29E-04	1.94E-05	5.97E-05
71	437628.03	3763171.11	1.10E-04	3.77E-04	1.72E-05	6.15E-05	9.25E-06	2.85E-05
72	437615.99	3763175.68	1.03E-04	3.51E-04	1.60E-05	5.73E-05	8.61E-06	2.66E-05
73	437603.94	3763180.26	9.66E-05	3.29E-04	1.50E-05	5.38E-05	8.08E-06	2.50E-05
74	437591.89	3763184.83	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
75	437579.84	3763189.4	8.60E-05	2.93E-04	1.34E-05	4.79E-05	7.20E-06	2.22E-05
76	437766.92	3763149.08	1.96E-04	6.69E-04	3.05E-05	1.09E-04	1.64E-05	5.07E-05
77	437754.85	3763153.66	1.84E-04	6.26E-04	2.85E-05	1.02E-04	1.54E-05	4.74E-05
78	437742.77	3763158.24	1.72E-04	5.86E-04	2.67E-05	9.58E-05	1.44E-05	4.44E-05
79	437730.7	3763162.82	1.61E-04	5.48E-04	2.50E-05	8.96E-05	1.35E-05	4.16E-05
80	437718.63	3763167.4	1.50E-04	5.12E-04	2.33E-05	8.37E-05	1.26E-05	3.88E-05
81	437706.56	3763171.99	1.40E-04	4.78E-04	2.18E-05	7.81E-05	1.17E-05	3.62E-05
82	437694.49	3763176.57	1.30E-04	4.44E-04	2.02E-05	7.26E-05	1.09E-05	3.37E-05
83	437682.41	3763181.15	1.21E-04	4.12E-04	1.88E-05	6.73E-05	1.01E-05	3.12E-05
84	437670.34	3763185.73	1.12E-04	3.83E-04	1.74E-05	6.25E-05	9.39E-06	2.90E-05
85	437658.27	3763190.31	1.04E-04	3.56E-04	1.62E-05	5.82E-05	8.74E-06	2.70E-05
86	437622.05	3763204.06	8.59E-05	2.93E-04	1.33E-05	4.79E-05	7.19E-06	2.22E-05
87	437609.98	3763208.64	8.12E-05	2.77E-04	1.26E-05	4.52E-05	6.80E-06	2.10E-05
88	437597.91	3763213.22	7.67E-05	2.62E-04	1.19E-05	4.27E-05	6.42E-06	1.98E-05
89	437585.84	3763217.81	7.27E-05	2.48E-04	1.13E-05	4.05E-05	6.08E-06	1.88E-05
90	437785.31	3763172.78	1.69E-04	5.76E-04	2.62E-05	9.40E-05	1.41E-05	4.36E-05
91	437773.22	3763177.37	1.58E-04	5.40E-04	2.46E-05	8.82E-05	1.33E-05	4.09E-05
92	437761.12	3763181.96	1.48E-04	5.05E-04	2.30E-05	8.25E-05	1.24E-05	3.82E-05
93	437749.03	3763186.55	1.38E-04	4.72E-04	2.15E-05	7.71E-05	1.16E-05	3.58E-05
94	437736.94	3763191.13	1.29E-04	4.41E-04	2.01E-05	7.21E-05	1.08E-05	3.34E-05
95	437724.85	3763195.72	1.21E-04	4.12E-04	1.88E-05	6.73E-05	1.01E-05	3.12E-05
96	437712.76	3763200.31	1.13E-04	3.85E-04	1.76E-05	6.30E-05	9.46E-06	2.92E-05
97	437700.67	3763204.9	1.06E-04	3.61E-04	1.64E-05	5.89E-05	8.86E-06	2.73E-05
98	437688.58	3763209.49	9.89E-05	3.37E-04	1.54E-05	5.51E-05	8.28E-06	2.56E-05
99	437676.49	3763214.08	9.27E-05	3.16E-04	1.44E-05	5.16E-05	7.76E-06	2.40E-05
100	437664.4	3763218.67	8.70E-05	2.97E-04	1.35E-05	4.85E-05	7.28E-06	2.25E-05

101	437628.12	3763232.44	7.28E-05	2.48E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
102	437616.03	3763237.03	6.90E-05	2.35E-04	1.07E-05	3.84E-05	5.77E-06	1.78E-05
103	437603.94	3763241.62	6.55E-05	2.23E-04	1.02E-05	3.65E-05	5.48E-06	1.69E-05
104	437591.85	3763246.21	6.23E-05	2.12E-04	9.68E-06	3.47E-05	5.21E-06	1.61E-05
105	437579.76	3763250.79	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.53E-05
106	437791.59	3763201.07	1.39E-04	4.74E-04	2.16E-05	7.74E-05	1.16E-05	3.59E-05
107	437779.48	3763205.67	1.30E-04	4.43E-04	2.02E-05	7.24E-05	1.09E-05	3.36E-05
108	437767.37	3763210.27	1.21E-04	4.14E-04	1.89E-05	6.76E-05	1.02E-05	3.14E-05
109	437755.27	3763214.86	1.13E-04	3.87E-04	1.76E-05	6.32E-05	9.49E-06	2.93E-05
110	437743.16	3763219.46	1.04E-04	3.56E-04	1.62E-05	5.81E-05	8.73E-06	2.69E-05
111	437670.51	3763247.03	7.35E-05	2.51E-04	1.14E-05	4.09E-05	6.15E-06	1.90E-05
112	437658.41	3763251.62	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
113	437646.3	3763256.22	6.57E-05	2.24E-04	1.02E-05	3.66E-05	5.50E-06	1.70E-05
114	437634.19	3763260.81	6.23E-05	2.13E-04	9.69E-06	3.47E-05	5.22E-06	1.61E-05
115	437622.09	3763265.41	5.92E-05	2.02E-04	9.20E-06	3.30E-05	4.96E-06	1.53E-05
116	437609.98	3763270.01	5.64E-05	1.92E-04	8.76E-06	3.14E-05	4.72E-06	1.46E-05
117	437597.87	3763274.6	5.38E-05	1.83E-04	8.36E-06	3.00E-05	4.50E-06	1.39E-05
118	437585.76	3763279.2	5.14E-05	1.75E-04	7.99E-06	2.86E-05	4.30E-06	1.33E-05
119	437749.36	3763247.78	8.66E-05	2.95E-04	1.34E-05	4.82E-05	7.24E-06	2.24E-05
120	437737.23	3763252.39	8.11E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
121	437725.11	3763256.99	7.64E-05	2.60E-04	1.19E-05	4.25E-05	6.39E-06	1.97E-05
122	437712.99	3763261.59	7.23E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
123	437700.87	3763266.19	6.98E-05	2.38E-04	1.08E-05	3.89E-05	5.84E-06	1.80E-05
124	437688.75	3763270.79	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
125	437676.63	3763275.39	6.28E-05	2.14E-04	9.76E-06	3.50E-05	5.26E-06	1.62E-05
126	437664.51	3763279.99	5.96E-05	2.03E-04	9.26E-06	3.32E-05	4.99E-06	1.54E-05
127	437652.38	3763284.59	5.65E-05	1.93E-04	8.78E-06	3.15E-05	4.73E-06	1.46E-05
128	437640.26	3763289.19	5.36E-05	1.83E-04	8.33E-06	2.99E-05	4.49E-06	1.39E-05
129	437628.14	3763293.79	5.12E-05	1.74E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
130	437616.02	3763298.39	4.89E-05	1.67E-04	7.60E-06	2.72E-05	4.09E-06	1.26E-05
131	437603.9	3763302.99	4.65E-05	1.59E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
132	437591.78	3763307.59	4.50E-05	1.53E-04	6.99E-06	2.51E-05	3.77E-06	1.16E-05
133	437840.48	3763243.88	1.14E-04	3.89E-04	1.77E-05	6.35E-05	9.54E-06	2.94E-05
134	437828.34	3763248.49	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
135	437816.21	3763253.09	1.02E-04	3.47E-04	1.58E-05	5.66E-05	8.51E-06	2.63E-05
136	437804.07	3763257.7	9.55E-05	3.26E-04	1.48E-05	5.32E-05	8.00E-06	2.47E-05
137	437791.94	3763262.3	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
138	437779.81	3763266.91	8.29E-05	2.83E-04	1.29E-05	4.62E-05	6.93E-06	2.14E-05
139	437767.67	3763271.51	7.76E-05	2.65E-04	1.21E-05	4.32E-05	6.50E-06	2.01E-05
140	437755.54	3763276.12	7.30E-05	2.49E-04	1.13E-05	4.07E-05	6.11E-06	1.89E-05
141	437743.4	3763280.72	6.91E-05	2.35E-04	1.07E-05	3.85E-05	5.78E-06	1.78E-05
142	437731.27	3763285.33	6.67E-05	2.27E-04	1.04E-05	3.71E-05	5.58E-06	1.72E-05
143	437719.14	3763289.94	6.33E-05	2.16E-04	9.84E-06	3.53E-05	5.30E-06	1.64E-05
144	437707	3763294.54	6.03E-05	2.06E-04	9.36E-06	3.36E-05	5.04E-06	1.56E-05
145	437694.87	3763299.15	5.73E-05	1.96E-04	8.91E-06	3.19E-05	4.80E-06	1.48E-05
146	437682.73	3763303.75	5.45E-05	1.86E-04	8.47E-06	3.04E-05	4.56E-06	1.41E-05
147	437670.6	3763308.36	5.18E-05	1.77E-04	8.05E-06	2.89E-05	4.34E-06	1.34E-05
148	437658.47	3763312.96	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
149	437646.33	3763317.57	4.70E-05	1.60E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
150	437585.66	3763340.6	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
151	437858.87	3763267.58	1.01E-04	3.43E-04	1.56E-05	5.61E-05	8.43E-06	2.60E-05
152	437846.72	3763272.19	9.55E-05	3.26E-04	1.48E-05	5.32E-05	7.99E-06	2.47E-05

153	437834.58	3763276.8	9.04E-05	3.08E-04	1.40E-05	5.03E-05	7.56E-06	2.33E-05
154	437822.43	3763281.41	8.54E-05	2.91E-04	1.33E-05	4.76E-05	7.15E-06	2.21E-05
155	437810.29	3763286.02	8.05E-05	2.75E-04	1.25E-05	4.49E-05	6.74E-06	2.08E-05
156	437798.14	3763290.63	7.60E-05	2.59E-04	1.18E-05	4.23E-05	6.36E-06	1.96E-05
157	437786	3763295.24	7.04E-05	2.40E-04	1.09E-05	3.92E-05	5.89E-06	1.82E-05
158	437773.85	3763299.85	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
159	437761.71	3763304.46	6.24E-05	2.13E-04	9.69E-06	3.48E-05	5.22E-06	1.61E-05
160	437749.56	3763309.07	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.54E-05
161	437737.42	3763313.68	5.77E-05	1.97E-04	8.97E-06	3.21E-05	4.83E-06	1.49E-05
162	437725.27	3763318.29	5.51E-05	1.88E-04	8.56E-06	3.07E-05	4.61E-06	1.42E-05
163	437664.55	3763341.34	4.36E-05	1.49E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
164	437652.4	3763345.95	4.18E-05	1.43E-04	6.49E-06	2.33E-05	3.50E-06	1.08E-05
165	437640.26	3763350.56	4.02E-05	1.37E-04	6.24E-06	2.24E-05	3.36E-06	1.04E-05
166	437628.11	3763355.16	3.87E-05	1.32E-04	6.01E-06	2.16E-05	3.24E-06	1.00E-05
167	437615.97	3763359.77	3.73E-05	1.27E-04	5.80E-06	2.08E-05	3.12E-06	9.64E-06
168	437603.82	3763364.38	3.60E-05	1.23E-04	5.60E-06	2.01E-05	3.01E-06	9.30E-06
169	437591.68	3763368.99	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.91E-06	8.99E-06
170	437877.26	3763291.28	9.03E-05	3.08E-04	1.40E-05	5.03E-05	7.55E-06	2.33E-05
171	437865.1	3763295.9	8.56E-05	2.92E-04	1.33E-05	4.77E-05	7.16E-06	2.21E-05
172	437852.95	3763300.51	8.11E-05	2.76E-04	1.26E-05	4.52E-05	6.79E-06	2.09E-05
173	437840.79	3763305.12	7.67E-05	2.61E-04	1.19E-05	4.27E-05	6.42E-06	1.98E-05
174	437828.64	3763309.74	7.12E-05	2.43E-04	1.11E-05	3.97E-05	5.96E-06	1.84E-05
175	437816.48	3763314.35	6.71E-05	2.29E-04	1.04E-05	3.74E-05	5.62E-06	1.73E-05
176	437804.33	3763318.96	6.34E-05	2.16E-04	9.85E-06	3.53E-05	5.30E-06	1.64E-05
177	437743.56	3763342.03	4.92E-05	1.68E-04	7.64E-06	2.74E-05	4.12E-06	1.27E-05
178	437731.4	3763346.64	4.78E-05	1.63E-04	7.43E-06	2.66E-05	4.00E-06	1.23E-05
179	437719.25	3763351.26	4.57E-05	1.56E-04	7.10E-06	2.55E-05	3.83E-06	1.18E-05
180	437694.94	3763360.48	4.20E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
181	437682.78	3763365.1	4.03E-05	1.37E-04	6.26E-06	2.25E-05	3.37E-06	1.04E-05
182	437670.63	3763369.71	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
183	437658.47	3763374.32	3.73E-05	1.27E-04	5.79E-06	2.08E-05	3.12E-06	9.63E-06
184	437646.32	3763378.94	3.59E-05	1.22E-04	5.58E-06	2.00E-05	3.01E-06	9.28E-06
185	437634.16	3763383.55	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.90E-06	8.96E-06
186	437622.01	3763388.16	3.35E-05	1.14E-04	5.20E-06	1.87E-05	2.80E-06	8.65E-06
187	437609.85	3763392.78	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.71E-06	8.35E-06
188	437597.7	3763397.39	3.12E-05	1.07E-04	4.85E-06	1.74E-05	2.61E-06	8.07E-06
189	437895.65	3763314.98	8.12E-05	2.77E-04	1.26E-05	4.53E-05	6.80E-06	2.10E-05
190	437883.48	3763319.6	7.72E-05	2.63E-04	1.20E-05	4.30E-05	6.46E-06	1.99E-05
191	437834.83	3763338.07	6.12E-05	2.09E-04	9.51E-06	3.41E-05	5.12E-06	1.58E-05
192	437822.67	3763342.68	5.78E-05	1.97E-04	8.98E-06	3.22E-05	4.84E-06	1.49E-05
193	437810.5	3763347.3	5.48E-05	1.87E-04	8.51E-06	3.05E-05	4.59E-06	1.42E-05
194	437798.34	3763351.92	5.20E-05	1.77E-04	8.08E-06	2.90E-05	4.35E-06	1.34E-05
195	437786.18	3763356.53	4.94E-05	1.68E-04	7.67E-06	2.75E-05	4.13E-06	1.28E-05
196	437774.01	3763361.15	4.71E-05	1.60E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
197	437761.85	3763365.77	4.50E-05	1.53E-04	6.99E-06	2.50E-05	3.76E-06	1.16E-05
198	437749.69	3763370.38	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
199	437737.52	3763375	4.14E-05	1.41E-04	6.44E-06	2.31E-05	3.47E-06	1.07E-05
200	437725.36	3763379.62	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
201	437688.87	3763393.47	3.60E-05	1.23E-04	5.60E-06	2.01E-05	3.02E-06	9.31E-06
202	437676.71	3763398.08	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.91E-06	8.99E-06
203	437664.54	3763402.7	3.36E-05	1.15E-04	5.23E-06	1.87E-05	2.81E-06	8.69E-06
204	437652.38	3763407.32	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06

205	437640.22	3763411.93	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
206	437628.05	3763416.55	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
207	437615.89	3763421.17	2.92E-05	9.96E-05	4.54E-06	1.63E-05	2.44E-06	7.54E-06
208	437603.72	3763425.78	2.81E-05	9.57E-05	4.36E-06	1.56E-05	2.35E-06	7.25E-06
209	437591.56	3763430.4	2.72E-05	9.27E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
210	437914.04	3763338.68	7.25E-05	2.47E-04	1.13E-05	4.04E-05	6.07E-06	1.87E-05
211	437901.87	3763343.3	6.87E-05	2.34E-04	1.07E-05	3.83E-05	5.75E-06	1.78E-05
212	437889.7	3763347.92	6.52E-05	2.22E-04	1.01E-05	3.63E-05	5.45E-06	1.68E-05
213	437877.53	3763352.54	6.18E-05	2.11E-04	9.61E-06	3.44E-05	5.18E-06	1.60E-05
214	437865.35	3763357.16	5.88E-05	2.01E-04	9.14E-06	3.28E-05	4.93E-06	1.52E-05
215	437853.18	3763361.78	5.60E-05	1.91E-04	8.70E-06	3.12E-05	4.68E-06	1.45E-05
216	437841.01	3763366.4	5.30E-05	1.81E-04	8.23E-06	2.95E-05	4.43E-06	1.37E-05
217	437828.84	3763371.02	5.01E-05	1.71E-04	7.78E-06	2.79E-05	4.19E-06	1.29E-05
218	437816.67	3763375.64	4.74E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.23E-05
219	437804.5	3763380.26	4.51E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
220	437792.33	3763384.88	4.30E-05	1.47E-04	6.69E-06	2.40E-05	3.60E-06	1.11E-05
221	437780.15	3763389.5	4.12E-05	1.41E-04	6.41E-06	2.30E-05	3.45E-06	1.07E-05
222	437767.98	3763394.12	3.97E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.02E-05
223	437755.81	3763398.74	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.20E-06	9.87E-06
224	437743.64	3763403.36	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.48E-06
225	437731.47	3763407.98	3.53E-05	1.20E-04	5.48E-06	1.97E-05	2.95E-06	9.12E-06
226	437719.3	3763412.6	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.86E-06	8.82E-06
227	437694.96	3763421.84	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.71E-06	8.36E-06
228	437682.78	3763426.46	3.13E-05	1.07E-04	4.87E-06	1.75E-05	2.62E-06	8.10E-06
229	437670.61	3763431.08	3.04E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.86E-06
230	437658.44	3763435.7	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.60E-06
231	437646.27	3763440.32	2.84E-05	9.69E-05	4.42E-06	1.58E-05	2.38E-06	7.34E-06
232	437634.1	3763444.94	2.74E-05	9.36E-05	4.26E-06	1.53E-05	2.30E-06	7.09E-06
233	437621.93	3763449.55	2.64E-05	9.00E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06
234	437609.76	3763454.17	2.55E-05	8.70E-05	3.97E-06	1.42E-05	2.14E-06	6.60E-06
235	437597.58	3763458.79	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
236	437938.59	3763370.27	6.38E-05	2.18E-04	9.92E-06	3.56E-05	5.34E-06	1.65E-05
237	437926.51	3763374.86	6.07E-05	2.07E-04	9.43E-06	3.38E-05	5.08E-06	1.57E-05
238	437914.42	3763379.45	5.77E-05	1.97E-04	8.97E-06	3.21E-05	4.83E-06	1.49E-05
239	437902.33	3763384.03	5.49E-05	1.87E-04	8.54E-06	3.06E-05	4.60E-06	1.42E-05
240	437890.24	3763388.62	5.23E-05	1.78E-04	8.12E-06	2.91E-05	4.38E-06	1.35E-05
241	437878.16	3763393.21	4.98E-05	1.70E-04	7.73E-06	2.77E-05	4.17E-06	1.29E-05
242	437866.07	3763397.8	4.74E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.23E-05
243	437853.98	3763402.39	4.52E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
244	437841.89	3763406.97	4.30E-05	1.47E-04	6.69E-06	2.40E-05	3.60E-06	1.11E-05
245	437829.81	3763411.56	4.09E-05	1.40E-04	6.36E-06	2.28E-05	3.43E-06	1.06E-05
246	437817.72	3763416.15	3.89E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
247	437805.63	3763420.74	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
248	437745.19	3763443.68	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.96E-06
249	437733.11	3763448.26	2.99E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
250	437721.02	3763452.85	2.90E-05	9.89E-05	4.51E-06	1.62E-05	2.43E-06	7.49E-06
251	437696.85	3763462.03	2.75E-05	9.36E-05	4.27E-06	1.53E-05	2.30E-06	7.09E-06
252	437684.76	3763466.61	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
253	437672.67	3763471.2	2.58E-05	8.81E-05	4.01E-06	1.44E-05	2.16E-06	6.68E-06
254	437660.58	3763475.79	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
255	437648.5	3763480.38	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
256	437636.41	3763484.97	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.11E-06

257	437624.32	3763489.55	2.30E-05	7.84E-05	3.57E-06	1.28E-05	1.92E-06	5.94E-06
258	437612.23	3763494.14	2.24E-05	7.63E-05	3.48E-06	1.25E-05	1.87E-06	5.78E-06
259	437600.15	3763498.73	2.18E-05	7.44E-05	3.39E-06	1.21E-05	1.83E-06	5.63E-06
260	437950.96	3763406.49	5.34E-05	1.82E-04	8.30E-06	2.98E-05	4.47E-06	1.38E-05
261	437938.81	3763411.1	5.11E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
262	437926.67	3763415.71	4.88E-05	1.66E-04	7.58E-06	2.72E-05	4.09E-06	1.26E-05
263	437914.52	3763420.31	4.66E-05	1.59E-04	7.25E-06	2.60E-05	3.90E-06	1.20E-05
264	437853.8	3763443.36	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.48E-06
265	437841.65	3763447.97	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.93E-06	9.06E-06
266	437829.51	3763452.58	3.36E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.67E-06
267	437817.36	3763457.19	3.22E-05	1.10E-04	5.00E-06	1.79E-05	2.69E-06	8.32E-06
268	437805.22	3763461.8	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
269	437793.07	3763466.41	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.51E-06	7.74E-06
270	437780.93	3763471.02	2.89E-05	9.87E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
271	437768.78	3763475.63	2.80E-05	9.56E-05	4.35E-06	1.56E-05	2.35E-06	7.24E-06
272	437756.64	3763480.24	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
273	437744.49	3763484.85	2.65E-05	9.03E-05	4.11E-06	1.47E-05	2.22E-06	6.84E-06
274	437732.35	3763489.46	2.58E-05	8.79E-05	4.01E-06	1.44E-05	2.16E-06	6.66E-06
275	437720.2	3763494.07	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
276	437695.91	3763503.29	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
277	437683.77	3763507.9	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
278	437671.62	3763512.51	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
279	437659.48	3763517.12	2.19E-05	7.47E-05	3.40E-06	1.22E-05	1.83E-06	5.66E-06
280	437647.33	3763521.73	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
281	437635.19	3763526.34	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
282	437987.61	3763433.48	5.01E-05	1.71E-04	7.78E-06	2.79E-05	4.19E-06	1.29E-05
283	437951.02	3763447.37	4.36E-05	1.49E-04	6.78E-06	2.43E-05	3.65E-06	1.13E-05
284	437938.82	3763452	4.17E-05	1.42E-04	6.48E-06	2.32E-05	3.49E-06	1.08E-05
285	437926.63	3763456.63	4.00E-05	1.36E-04	6.21E-06	2.23E-05	3.35E-06	1.03E-05
286	437914.43	3763461.26	3.84E-05	1.31E-04	5.97E-06	2.14E-05	3.22E-06	9.93E-06
287	437902.23	3763465.89	3.68E-05	1.26E-04	5.72E-06	2.05E-05	3.08E-06	9.51E-06
288	437890.04	3763470.52	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.09E-06
289	437877.84	3763475.14	3.37E-05	1.15E-04	5.23E-06	1.88E-05	2.82E-06	8.70E-06
290	437865.64	3763479.77	3.22E-05	1.10E-04	5.01E-06	1.80E-05	2.70E-06	8.33E-06
291	437853.45	3763484.4	3.09E-05	1.05E-04	4.80E-06	1.72E-05	2.58E-06	7.98E-06
292	437841.25	3763489.03	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.66E-06
293	437829.05	3763493.66	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
294	437816.86	3763498.29	2.75E-05	9.38E-05	4.27E-06	1.53E-05	2.30E-06	7.10E-06
295	437804.66	3763502.92	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
296	437792.47	3763507.55	2.58E-05	8.81E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
297	437780.27	3763512.18	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
298	437768.07	3763516.81	2.44E-05	8.33E-05	3.80E-06	1.36E-05	2.04E-06	6.31E-06
299	437755.88	3763521.44	2.38E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
300	437743.68	3763526.07	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
301	437731.48	3763530.7	2.25E-05	7.67E-05	3.50E-06	1.25E-05	1.88E-06	5.81E-06
302	437682.7	3763549.21	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.28E-06
303	437670.5	3763553.84	1.99E-05	6.80E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
304	437658.3	3763558.47	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
305	437646.11	3763563.1	1.90E-05	6.48E-05	2.95E-06	1.06E-05	1.59E-06	4.91E-06
306	437633.91	3763567.73	1.86E-05	6.33E-05	2.89E-06	1.03E-05	1.55E-06	4.80E-06
307	437621.71	3763572.36	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
308	437609.52	3763576.99	1.78E-05	6.06E-05	2.76E-06	9.91E-06	1.49E-06	4.60E-06

309	438012.16	3763465.07	4.54E-05	1.55E-04	7.05E-06	2.53E-05	3.80E-06	1.17E-05
310	438000.04	3763469.67	4.36E-05	1.49E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
311	437987.91	3763474.27	4.16E-05	1.42E-04	6.47E-06	2.32E-05	3.49E-06	1.08E-05
312	437951.54	3763488.08	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.07E-06	9.46E-06
313	437939.41	3763492.68	3.53E-05	1.20E-04	5.48E-06	1.97E-05	2.95E-06	9.12E-06
314	437927.29	3763497.28	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.91E-06	8.97E-06
315	437915.17	3763501.89	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.79E-06	8.63E-06
316	437903.04	3763506.49	3.20E-05	1.09E-04	4.98E-06	1.79E-05	2.68E-06	8.28E-06
317	437890.92	3763511.09	3.01E-05	1.03E-04	4.68E-06	1.68E-05	2.52E-06	7.78E-06
318	437878.79	3763515.69	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
319	437866.67	3763520.29	2.77E-05	9.44E-05	4.30E-06	1.54E-05	2.32E-06	7.15E-06
320	437854.55	3763524.89	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.86E-06
321	437842.42	3763529.5	2.56E-05	8.73E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
322	437830.3	3763534.1	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
323	437769.68	3763557.11	2.15E-05	7.34E-05	3.35E-06	1.20E-05	1.80E-06	5.56E-06
324	437757.55	3763561.71	2.10E-05	7.14E-05	3.26E-06	1.17E-05	1.75E-06	5.41E-06
325	437745.43	3763566.31	2.04E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
326	437733.3	3763570.91	2.00E-05	6.80E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
327	437721.18	3763575.51	1.95E-05	6.66E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
328	437709.06	3763580.12	1.91E-05	6.52E-05	2.97E-06	1.06E-05	1.60E-06	4.94E-06
329	437696.93	3763584.72	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.56E-06	4.83E-06
330	437684.81	3763589.32	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06
331	437672.68	3763593.92	1.79E-05	6.11E-05	2.78E-06	9.97E-06	1.50E-06	4.63E-06
332	437660.56	3763598.52	1.75E-05	5.96E-05	2.72E-06	9.74E-06	1.46E-06	4.52E-06
333	437648.44	3763603.12	1.71E-05	5.82E-05	2.65E-06	9.51E-06	1.43E-06	4.41E-06
334	437636.31	3763607.73	1.67E-05	5.69E-05	2.59E-06	9.30E-06	1.40E-06	4.31E-06
335	437624.19	3763612.33	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
336	437612.06	3763616.93	1.61E-05	5.48E-05	2.50E-06	8.95E-06	1.34E-06	4.15E-06
337	438036.67	3763496.68	4.09E-05	1.39E-04	6.35E-06	2.28E-05	3.42E-06	1.06E-05
338	438024.5	3763501.3	3.93E-05	1.34E-04	6.10E-06	2.19E-05	3.29E-06	1.02E-05
339	438012.33	3763505.92	3.77E-05	1.29E-04	5.86E-06	2.10E-05	3.16E-06	9.75E-06
340	438000.16	3763510.54	3.63E-05	1.24E-04	5.64E-06	2.02E-05	3.04E-06	9.37E-06
341	437987.98	3763515.15	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.01E-06
342	437951.47	3763529.01	3.19E-05	1.09E-04	4.96E-06	1.78E-05	2.67E-06	8.25E-06
343	437939.3	3763533.63	3.07E-05	1.05E-04	4.78E-06	1.71E-05	2.57E-06	7.94E-06
344	437927.13	3763538.25	2.95E-05	1.01E-04	4.58E-06	1.64E-05	2.47E-06	7.62E-06
345	437878.44	3763556.73	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
346	437866.27	3763561.35	2.38E-05	8.13E-05	3.70E-06	1.33E-05	2.00E-06	6.16E-06
347	437854.1	3763565.97	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
348	437841.93	3763570.59	2.24E-05	7.63E-05	3.48E-06	1.25E-05	1.87E-06	5.78E-06
349	437829.76	3763575.21	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
350	437817.58	3763579.83	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
351	437805.41	3763584.45	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
352	437793.24	3763589.07	2.01E-05	6.84E-05	3.12E-06	1.12E-05	1.68E-06	5.18E-06
353	437781.07	3763593.69	1.95E-05	6.66E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
354	437768.9	3763598.31	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
355	437756.73	3763602.93	1.86E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
356	437744.56	3763607.55	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
357	437732.38	3763612.17	1.79E-05	6.10E-05	2.78E-06	9.97E-06	1.50E-06	4.62E-06
358	437720.21	3763616.79	1.75E-05	5.97E-05	2.72E-06	9.76E-06	1.47E-06	4.53E-06
359	437708.04	3763621.41	1.71E-05	5.85E-05	2.66E-06	9.55E-06	1.44E-06	4.43E-06
360	437695.87	3763626.03	1.68E-05	5.72E-05	2.61E-06	9.35E-06	1.40E-06	4.33E-06

361	437683.7	3763630.65	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
362	437671.53	3763635.27	1.60E-05	5.45E-05	2.48E-06	8.90E-06	1.34E-06	4.13E-06
363	437659.36	3763639.89	1.56E-05	5.33E-05	2.43E-06	8.70E-06	1.31E-06	4.04E-06
364	437647.18	3763644.51	1.53E-05	5.21E-05	2.37E-06	8.51E-06	1.28E-06	3.95E-06
365	437635.01	3763649.13	1.50E-05	5.10E-05	2.33E-06	8.34E-06	1.25E-06	3.87E-06
366	437622.84	3763653.75	1.47E-05	5.01E-05	2.28E-06	8.18E-06	1.23E-06	3.79E-06
367	437610.67	3763658.37	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.21E-06	3.72E-06
368	438061.22	3763528.27	3.70E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.56E-06
369	438049.11	3763532.86	3.55E-05	1.21E-04	5.51E-06	1.98E-05	2.97E-06	9.16E-06
370	438037	3763537.46	3.40E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.77E-06
371	437952.25	3763569.63	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
372	437940.14	3763574.22	2.54E-05	8.66E-05	3.94E-06	1.41E-05	2.13E-06	6.56E-06
373	437928.04	3763578.82	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
374	437915.93	3763583.41	2.37E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
375	437903.82	3763588.01	2.30E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.94E-06
376	437891.71	3763592.6	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
377	437879.61	3763597.2	2.17E-05	7.39E-05	3.37E-06	1.21E-05	1.81E-06	5.60E-06
378	437867.5	3763601.79	2.10E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.43E-06
379	437855.39	3763606.39	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
380	437843.28	3763610.98	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
381	437831.18	3763615.58	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
382	437819.07	3763620.17	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.87E-06
383	437806.96	3763624.77	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
384	437794.86	3763629.37	1.80E-05	6.15E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
385	437782.75	3763633.96	1.76E-05	6.01E-05	2.74E-06	9.82E-06	1.48E-06	4.56E-06
386	437770.64	3763638.56	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
387	437758.53	3763643.15	1.69E-05	5.77E-05	2.63E-06	9.42E-06	1.42E-06	4.37E-06
388	437746.43	3763647.75	1.66E-05	5.66E-05	2.58E-06	9.25E-06	1.39E-06	4.29E-06
389	437734.32	3763652.34	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
390	437722.21	3763656.94	1.59E-05	5.44E-05	2.48E-06	8.88E-06	1.33E-06	4.12E-06
391	437710.1	3763661.53	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
392	437698	3763666.13	1.52E-05	5.20E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
393	437685.89	3763670.72	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
394	437613.25	3763698.3	1.32E-05	4.49E-05	2.05E-06	7.34E-06	1.10E-06	3.40E-06
395	438085.73	3763559.87	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.58E-06
396	438073.58	3763564.48	3.19E-05	1.09E-04	4.96E-06	1.78E-05	2.67E-06	8.25E-06
397	438061.43	3763569.09	3.07E-05	1.05E-04	4.77E-06	1.71E-05	2.57E-06	7.93E-06
398	438049.27	3763573.71	2.95E-05	1.01E-04	4.59E-06	1.64E-05	2.47E-06	7.63E-06
399	438037.12	3763578.32	2.84E-05	9.68E-05	4.41E-06	1.58E-05	2.38E-06	7.33E-06
400	438024.97	3763582.93	2.73E-05	9.32E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
401	438012.82	3763587.54	2.63E-05	8.97E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06
402	438000.67	3763592.15	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
403	437988.52	3763596.77	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
404	437952.07	3763610.6	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
405	437939.92	3763615.21	2.19E-05	7.47E-05	3.40E-06	1.22E-05	1.83E-06	5.66E-06
406	437927.77	3763619.83	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
407	437915.61	3763624.44	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
408	437903.46	3763629.05	2.03E-05	6.91E-05	3.15E-06	1.13E-05	1.70E-06	5.23E-06
409	437891.31	3763633.66	1.97E-05	6.73E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06
410	437879.16	3763638.27	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
411	437867.01	3763642.89	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.56E-06	4.83E-06
412	437854.86	3763647.5	1.82E-05	6.20E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06

413	437842.71	3763652.11	1.78E-05	6.05E-05	2.76E-06	9.89E-06	1.49E-06	4.59E-06
414	437830.56	3763656.72	1.74E-05	5.92E-05	2.70E-06	9.68E-06	1.45E-06	4.49E-06
415	437818.41	3763661.33	1.70E-05	5.80E-05	2.64E-06	9.47E-06	1.42E-06	4.39E-06
416	437806.26	3763665.95	1.66E-05	5.68E-05	2.59E-06	9.27E-06	1.39E-06	4.30E-06
417	437794.11	3763670.56	1.63E-05	5.56E-05	2.53E-06	9.08E-06	1.36E-06	4.21E-06
418	437721.2	3763698.23	1.45E-05	4.95E-05	2.25E-06	8.08E-06	1.21E-06	3.75E-06
419	437709.05	3763702.84	1.42E-05	4.85E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
420	437696.9	3763707.45	1.40E-05	4.76E-05	2.17E-06	7.78E-06	1.17E-06	3.61E-06
421	437684.75	3763712.07	1.37E-05	4.66E-05	2.12E-06	7.62E-06	1.14E-06	3.53E-06
422	437672.6	3763716.68	1.34E-05	4.56E-05	2.08E-06	7.46E-06	1.12E-06	3.46E-06
423	437660.45	3763721.29	1.31E-05	4.47E-05	2.04E-06	7.30E-06	1.10E-06	3.39E-06
424	437648.29	3763725.9	1.28E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
425	437636.14	3763730.51	1.26E-05	4.30E-05	1.96E-06	7.02E-06	1.06E-06	3.26E-06
426	437623.99	3763735.12	1.24E-05	4.22E-05	1.92E-06	6.90E-06	1.04E-06	3.20E-06
427	437611.84	3763739.74	1.22E-05	4.15E-05	1.89E-06	6.78E-06	1.02E-06	3.14E-06
428	438110.24	3763591.47	3.05E-05	1.04E-04	4.74E-06	1.70E-05	2.55E-06	7.89E-06
429	438098.05	3763596.1	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.60E-06
430	438085.86	3763600.73	2.83E-05	9.66E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
431	438073.67	3763605.36	2.73E-05	9.30E-05	4.24E-06	1.52E-05	2.28E-06	7.04E-06
432	438061.48	3763609.98	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
433	438049.29	3763614.61	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
434	438037.09	3763619.24	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
435	438024.9	3763623.86	2.36E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
436	438012.71	3763628.49	2.28E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
437	438000.52	3763633.12	2.22E-05	7.57E-05	3.45E-06	1.24E-05	1.86E-06	5.74E-06
438	437988.33	3763637.75	2.16E-05	7.37E-05	3.36E-06	1.20E-05	1.81E-06	5.58E-06
439	437951.76	3763651.63	2.01E-05	6.85E-05	3.12E-06	1.12E-05	1.68E-06	5.19E-06
440	437939.57	3763656.26	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
441	437927.37	3763660.88	1.90E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
442	437915.18	3763665.51	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
443	437902.99	3763670.14	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
444	437829.85	3763697.9	1.58E-05	5.37E-05	2.45E-06	8.78E-06	1.32E-06	4.07E-06
445	437817.66	3763702.53	1.54E-05	5.26E-05	2.40E-06	8.59E-06	1.29E-06	3.99E-06
446	437805.46	3763707.15	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.26E-06	3.90E-06
447	437793.27	3763711.78	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.82E-06
448	437781.08	3763716.41	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.21E-06	3.75E-06
449	437768.89	3763721.04	1.42E-05	4.86E-05	2.21E-06	7.94E-06	1.19E-06	3.68E-06
450	437756.7	3763725.66	1.40E-05	4.77E-05	2.17E-06	7.79E-06	1.17E-06	3.61E-06
451	437744.51	3763730.29	1.38E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
452	437732.32	3763734.92	1.35E-05	4.61E-05	2.10E-06	7.53E-06	1.13E-06	3.49E-06
453	437720.13	3763739.54	1.33E-05	4.53E-05	2.06E-06	7.39E-06	1.11E-06	3.43E-06
454	437707.94	3763744.17	1.30E-05	4.44E-05	2.02E-06	7.25E-06	1.09E-06	3.36E-06
455	437695.75	3763748.8	1.28E-05	4.35E-05	1.98E-06	7.11E-06	1.07E-06	3.30E-06
456	437683.55	3763753.43	1.25E-05	4.27E-05	1.95E-06	6.98E-06	1.05E-06	3.24E-06
457	437671.36	3763758.05	1.23E-05	4.19E-05	1.91E-06	6.85E-06	1.03E-06	3.18E-06
458	437659.17	3763762.68	1.21E-05	4.12E-05	1.88E-06	6.73E-06	1.01E-06	3.12E-06
459	437646.98	3763767.31	1.19E-05	4.04E-05	1.84E-06	6.60E-06	9.92E-07	3.06E-06
460	437634.79	3763771.93	1.16E-05	3.97E-05	1.81E-06	6.48E-06	9.74E-07	3.01E-06
461	437622.6	3763776.56	1.14E-05	3.90E-05	1.78E-06	6.37E-06	9.58E-07	2.96E-06
462	438134.78	3763623.07	2.81E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
463	438122.65	3763627.67	2.71E-05	9.25E-05	4.22E-06	1.51E-05	2.27E-06	7.01E-06
464	438110.52	3763632.28	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06

465	438098.38	3763636.88	2.54E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
466	438086.25	3763641.49	2.45E-05	8.35E-05	3.80E-06	1.36E-05	2.05E-06	6.33E-06
467	438074.12	3763646.09	2.36E-05	8.04E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
468	438061.98	3763650.7	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.87E-06
469	438049.85	3763655.3	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
470	438037.71	3763659.91	2.12E-05	7.24E-05	3.30E-06	1.18E-05	1.78E-06	5.48E-06
471	438025.58	3763664.52	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
472	437940.64	3763696.75	1.72E-05	5.87E-05	2.67E-06	9.58E-06	1.44E-06	4.45E-06
473	437928.51	3763701.36	1.68E-05	5.73E-05	2.61E-06	9.36E-06	1.41E-06	4.34E-06
474	437916.37	3763705.97	1.64E-05	5.60E-05	2.55E-06	9.15E-06	1.37E-06	4.24E-06
475	437904.24	3763710.57	1.61E-05	5.48E-05	2.50E-06	8.95E-06	1.34E-06	4.15E-06
476	437892.11	3763715.18	1.58E-05	5.37E-05	2.45E-06	8.78E-06	1.32E-06	4.07E-06
477	437879.97	3763719.78	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
478	437867.84	3763724.39	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.92E-06
479	437855.7	3763728.99	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
480	437843.57	3763733.6	1.46E-05	4.99E-05	2.27E-06	8.15E-06	1.22E-06	3.78E-06
481	437831.44	3763738.2	1.44E-05	4.90E-05	2.23E-06	8.00E-06	1.20E-06	3.71E-06
482	437819.3	3763742.81	1.41E-05	4.81E-05	2.19E-06	7.86E-06	1.18E-06	3.64E-06
483	437807.17	3763747.41	1.38E-05	4.72E-05	2.15E-06	7.70E-06	1.16E-06	3.57E-06
484	437795.03	3763752.02	1.36E-05	4.63E-05	2.11E-06	7.56E-06	1.14E-06	3.51E-06
485	437782.9	3763756.63	1.33E-05	4.54E-05	2.07E-06	7.42E-06	1.12E-06	3.44E-06
486	437770.77	3763761.23	1.31E-05	4.46E-05	2.03E-06	7.29E-06	1.10E-06	3.38E-06
487	437758.63	3763765.84	1.29E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
488	437746.5	3763770.44	1.26E-05	4.31E-05	1.96E-06	7.04E-06	1.06E-06	3.26E-06
489	437734.37	3763775.05	1.24E-05	4.23E-05	1.93E-06	6.92E-06	1.04E-06	3.21E-06
490	437722.23	3763779.65	1.22E-05	4.16E-05	1.90E-06	6.80E-06	1.02E-06	3.15E-06
491	437710.1	3763784.26	1.20E-05	4.10E-05	1.87E-06	6.69E-06	1.01E-06	3.10E-06
492	437697.96	3763788.86	1.18E-05	4.03E-05	1.84E-06	6.59E-06	9.90E-07	3.06E-06
493	437685.83	3763793.47	1.16E-05	3.97E-05	1.81E-06	6.48E-06	9.74E-07	3.01E-06
494	437673.7	3763798.08	1.15E-05	3.91E-05	1.78E-06	6.38E-06	9.59E-07	2.96E-06
495	437661.56	3763802.68	1.13E-05	3.84E-05	1.75E-06	6.28E-06	9.43E-07	2.91E-06
496	437649.43	3763807.29	1.11E-05	3.78E-05	1.72E-06	6.17E-06	9.27E-07	2.86E-06
497	437637.29	3763811.89	1.09E-05	3.71E-05	1.69E-06	6.07E-06	9.11E-07	2.81E-06
498	437625.16	3763816.5	1.07E-05	3.65E-05	1.66E-06	5.97E-06	8.96E-07	2.77E-06
499	438159.3	3763654.67	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.73E-06
500	438147.13	3763659.29	2.52E-05	8.58E-05	3.91E-06	1.40E-05	2.11E-06	6.50E-06
501	438134.96	3763663.91	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
502	438122.78	3763668.53	2.35E-05	8.00E-05	3.64E-06	1.31E-05	1.96E-06	6.06E-06
503	438037.58	3763700.87	1.86E-05	6.33E-05	2.89E-06	1.03E-05	1.55E-06	4.80E-06
504	438025.41	3763705.49	1.81E-05	6.16E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
505	438013.24	3763710.11	1.76E-05	5.99E-05	2.73E-06	9.78E-06	1.47E-06	4.54E-06
506	438001.07	3763714.73	1.71E-05	5.83E-05	2.65E-06	9.52E-06	1.43E-06	4.41E-06
507	437988.9	3763719.35	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
508	437976.73	3763723.97	1.64E-05	5.59E-05	2.55E-06	9.13E-06	1.37E-06	4.23E-06
509	437940.21	3763737.82	1.53E-05	5.23E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
510	437928.04	3763742.44	1.50E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
511	437915.87	3763747.06	1.48E-05	5.04E-05	2.30E-06	8.23E-06	1.24E-06	3.82E-06
512	437903.7	3763751.68	1.45E-05	4.95E-05	2.25E-06	8.08E-06	1.21E-06	3.75E-06
513	437891.53	3763756.3	1.42E-05	4.86E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
514	437879.36	3763760.92	1.40E-05	4.77E-05	2.17E-06	7.79E-06	1.17E-06	3.61E-06
515	437867.19	3763765.54	1.37E-05	4.68E-05	2.13E-06	7.65E-06	1.15E-06	3.55E-06
516	437855.01	3763770.16	1.35E-05	4.60E-05	2.10E-06	7.51E-06	1.13E-06	3.48E-06

517	437842.84	3763774.78	1.33E-05	4.53E-05	2.06E-06	7.39E-06	1.11E-06	3.43E-06
518	437830.67	3763779.4	1.31E-05	4.45E-05	2.03E-06	7.27E-06	1.09E-06	3.37E-06
519	437818.5	3763784.02	1.28E-05	4.38E-05	2.00E-06	7.15E-06	1.07E-06	3.32E-06
520	437806.33	3763788.64	1.26E-05	4.31E-05	1.96E-06	7.04E-06	1.06E-06	3.26E-06
521	437794.16	3763793.26	1.24E-05	4.24E-05	1.93E-06	6.93E-06	1.04E-06	3.21E-06
522	437781.99	3763797.88	1.22E-05	4.17E-05	1.90E-06	6.82E-06	1.02E-06	3.16E-06
523	437769.81	3763802.5	1.20E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
524	437757.64	3763807.12	1.19E-05	4.04E-05	1.84E-06	6.61E-06	9.93E-07	3.06E-06
525	437745.47	3763811.74	1.17E-05	3.98E-05	1.81E-06	6.50E-06	9.77E-07	3.02E-06
526	437733.3	3763816.36	1.15E-05	3.92E-05	1.79E-06	6.40E-06	9.62E-07	2.97E-06
527	437721.13	3763820.98	1.13E-05	3.86E-05	1.76E-06	6.31E-06	9.48E-07	2.93E-06
528	437708.96	3763825.6	1.12E-05	3.81E-05	1.73E-06	6.22E-06	9.34E-07	2.88E-06
529	437696.79	3763830.22	1.10E-05	3.75E-05	1.71E-06	6.13E-06	9.22E-07	2.84E-06
530	437684.61	3763834.84	1.08E-05	3.69E-05	1.68E-06	6.03E-06	9.06E-07	2.80E-06
531	437672.44	3763839.46	1.07E-05	3.63E-05	1.66E-06	5.93E-06	8.92E-07	2.75E-06
532	437660.27	3763844.08	1.05E-05	3.57E-05	1.63E-06	5.83E-06	8.76E-07	2.70E-06
533	437648.1	3763848.7	1.03E-05	3.51E-05	1.60E-06	5.73E-06	8.60E-07	2.66E-06
534	437635.93	3763853.32	1.01E-05	3.45E-05	1.57E-06	5.63E-06	8.46E-07	2.61E-06
535	437623.76	3763857.94	9.96E-06	3.40E-05	1.55E-06	5.55E-06	8.34E-07	2.57E-06
536	437600.96	3762896.57	3.57E-03	1.22E-02	5.55E-04	1.99E-03	2.99E-04	9.23E-04
537	437593.07	3762905.06	3.13E-03	1.07E-02	4.87E-04	1.74E-03	2.62E-04	8.09E-04
538	437609.36	3762902.03	3.12E-03	1.07E-02	4.85E-04	1.74E-03	2.61E-04	8.07E-04
539	437601.69	3762910.29	2.78E-03	9.49E-03	4.33E-04	1.55E-03	2.33E-04	7.19E-04
540	437617.74	3762907.52	2.77E-03	9.44E-03	4.30E-04	1.54E-03	2.32E-04	7.15E-04
541	437610.22	3762915.6	2.49E-03	8.50E-03	3.87E-04	1.39E-03	2.09E-04	6.44E-04
542	437626.1	3762913.02	2.47E-03	8.43E-03	3.84E-04	1.38E-03	2.07E-04	6.39E-04
543	437618.7	3762920.98	2.24E-03	7.65E-03	3.49E-04	1.25E-03	1.88E-04	5.80E-04
544	437634.15	3762918.85	2.22E-03	7.56E-03	3.45E-04	1.24E-03	1.86E-04	5.73E-04
545	437650.91	3762929.82	1.83E-03	6.23E-03	2.84E-04	1.02E-03	1.53E-04	4.72E-04
546	437650.65	3762959.08	1.26E-03	4.31E-03	1.96E-04	7.03E-04	1.06E-04	3.26E-04
547	437642.28	3762968.08	1.12E-03	3.82E-03	1.74E-04	6.24E-04	9.38E-05	2.90E-04
548	437676.04	3762960.76	1.21E-03	4.11E-03	1.87E-04	6.72E-04	1.01E-04	3.12E-04
549	437667.95	3762969.47	1.10E-03	3.74E-03	1.70E-04	6.11E-04	9.18E-05	2.83E-04
550	437659.85	3762978.18	9.87E-04	3.36E-03	1.53E-04	5.50E-04	8.26E-05	2.55E-04
551	437700.85	3762963.07	1.13E-03	3.85E-03	1.76E-04	6.30E-04	9.46E-05	2.92E-04
552	437692.96	3762971.56	1.05E-03	3.58E-03	1.63E-04	5.85E-04	8.78E-05	2.71E-04
553	437685.07	3762980.05	9.64E-04	3.29E-03	1.50E-04	5.37E-04	8.07E-05	2.49E-04
554	437677.17	3762988.53	8.76E-04	2.99E-03	1.36E-04	4.88E-04	7.33E-05	2.26E-04
555	437669.28	3762997.02	7.88E-04	2.69E-03	1.23E-04	4.39E-04	6.60E-05	2.04E-04
556	437709.17	3762983.11	9.15E-04	3.12E-03	1.42E-04	5.10E-04	7.66E-05	2.36E-04
557	437700.95	3762991.95	8.41E-04	2.87E-03	1.31E-04	4.68E-04	7.04E-05	2.17E-04
558	437692.72	3763000.8	7.65E-04	2.61E-03	1.19E-04	4.26E-04	6.40E-05	1.98E-04
559	437684.5	3763009.64	6.90E-04	2.35E-03	1.07E-04	3.84E-04	5.78E-05	1.78E-04
560	437709.98	3763011.22	6.87E-04	2.34E-03	1.07E-04	3.83E-04	5.75E-05	1.78E-04
561	437701.94	3763019.87	6.25E-04	2.13E-03	9.72E-05	3.48E-04	5.23E-05	1.62E-04
562	437750.66	3762996.46	7.64E-04	2.61E-03	1.19E-04	4.26E-04	6.40E-05	1.97E-04
563	437742.35	3763005.4	7.17E-04	2.45E-03	1.11E-04	3.99E-04	6.00E-05	1.85E-04
564	437767.36	3763007.49	6.80E-04	2.32E-03	1.06E-04	3.79E-04	5.69E-05	1.76E-04
565	437759.22	3763016.25	6.41E-04	2.19E-03	9.96E-05	3.57E-04	5.37E-05	1.66E-04
566	437751.08	3763025.01	5.97E-04	2.04E-03	9.28E-05	3.33E-04	5.00E-05	1.54E-04
567	437742.93	3763033.76	5.49E-04	1.87E-03	8.54E-05	3.06E-04	4.60E-05	1.42E-04
568	437783.94	3763018.65	6.07E-04	2.07E-03	9.44E-05	3.38E-04	5.08E-05	1.57E-04

569	437775.57	3763027.66	5.71E-04	1.95E-03	8.88E-05	3.18E-04	4.78E-05	1.48E-04
570	437767.19	3763036.66	5.32E-04	1.81E-03	8.27E-05	2.96E-04	4.45E-05	1.38E-04
571	437758.82	3763045.66	4.90E-04	1.67E-03	7.62E-05	2.73E-04	4.11E-05	1.27E-04
572	437750.45	3763054.67	4.48E-04	1.53E-03	6.97E-05	2.50E-04	3.75E-05	1.16E-04
573	437742.08	3763063.67	4.08E-04	1.39E-03	6.33E-05	2.27E-04	3.41E-05	1.05E-04
574	437800.64	3763029.68	5.47E-04	1.87E-03	8.51E-05	3.05E-04	4.58E-05	1.41E-04
575	437792.41	3763038.52	5.16E-04	1.76E-03	8.02E-05	2.87E-04	4.32E-05	1.33E-04
576	437784.19	3763047.37	4.83E-04	1.65E-03	7.50E-05	2.69E-04	4.04E-05	1.25E-04
577	437775.97	3763056.21	4.48E-04	1.53E-03	6.96E-05	2.49E-04	3.75E-05	1.16E-04
578	437767.74	3763065.05	4.12E-04	1.41E-03	6.41E-05	2.30E-04	3.45E-05	1.07E-04
579	437759.52	3763073.9	3.77E-04	1.29E-03	5.86E-05	2.10E-04	3.16E-05	9.75E-05
580	437751.3	3763082.74	3.44E-04	1.17E-03	5.34E-05	1.91E-04	2.88E-05	8.88E-05
581	437743.08	3763091.59	3.12E-04	1.06E-03	4.85E-05	1.74E-04	2.61E-05	8.06E-05
582	437808.87	3763064.31	4.20E-04	1.43E-03	6.53E-05	2.34E-04	3.52E-05	1.09E-04
583	437800.52	3763073.29	3.91E-04	1.33E-03	6.07E-05	2.18E-04	3.27E-05	1.01E-04
584	437792.17	3763082.27	3.61E-04	1.23E-03	5.61E-05	2.01E-04	3.02E-05	9.32E-05
585	437783.82	3763091.25	3.32E-04	1.13E-03	5.16E-05	1.85E-04	2.78E-05	8.58E-05
586	437775.47	3763100.23	3.04E-04	1.04E-03	4.72E-05	1.69E-04	2.54E-05	7.85E-05
587	437767.12	3763109.21	2.77E-04	9.43E-04	4.30E-05	1.54E-04	2.31E-05	7.15E-05
588	437758.77	3763118.19	2.51E-04	8.56E-04	3.90E-05	1.40E-04	2.10E-05	6.49E-05
589	437793.44	3763124.39	2.55E-04	8.68E-04	3.96E-05	1.42E-04	2.13E-05	6.58E-05
590	437785.27	3763133.17	2.33E-04	7.94E-04	3.62E-05	1.30E-04	1.95E-05	6.01E-05
591	437777.1	3763141.95	2.13E-04	7.25E-04	3.31E-05	1.18E-04	1.78E-05	5.50E-05
592	437875.54	3763079.57	3.66E-04	1.25E-03	5.69E-05	2.04E-04	3.07E-05	9.47E-05
593	437858.98	3763097.37	3.32E-04	1.13E-03	5.16E-05	1.85E-04	2.78E-05	8.57E-05
594	437850.71	3763106.27	3.14E-04	1.07E-03	4.87E-05	1.75E-04	2.62E-05	8.10E-05
595	437842.43	3763115.17	2.92E-04	9.97E-04	4.54E-05	1.63E-04	2.45E-05	7.56E-05
596	437834.16	3763124.08	2.71E-04	9.24E-04	4.21E-05	1.51E-04	2.27E-05	7.00E-05
597	437825.88	3763132.98	2.50E-04	8.52E-04	3.88E-05	1.39E-04	2.09E-05	6.46E-05
598	437900.48	3763096.23	3.24E-04	1.11E-03	5.04E-05	1.81E-04	2.72E-05	8.38E-05
599	437866.99	3763132.25	2.61E-04	8.90E-04	4.05E-05	1.45E-04	2.18E-05	6.74E-05
600	437858.61	3763141.25	2.44E-04	8.32E-04	3.79E-05	1.36E-04	2.04E-05	6.31E-05
601	437850.24	3763150.26	2.27E-04	7.73E-04	3.52E-05	1.26E-04	1.90E-05	5.86E-05
602	437841.87	3763159.26	2.09E-04	7.14E-04	3.25E-05	1.17E-04	1.75E-05	5.41E-05
603	437833.5	3763168.27	1.93E-04	6.58E-04	3.00E-05	1.07E-04	1.61E-05	4.98E-05
604	437825.13	3763177.27	1.78E-04	6.06E-04	2.76E-05	9.91E-05	1.49E-05	4.60E-05
605	437925.5	3763112.8	2.89E-04	9.85E-04	4.49E-05	1.61E-04	2.42E-05	7.46E-05
606	437917.28	3763121.65	2.76E-04	9.42E-04	4.29E-05	1.54E-04	2.31E-05	7.14E-05
607	437909.05	3763130.49	2.63E-04	8.97E-04	4.09E-05	1.47E-04	2.20E-05	6.80E-05
608	437900.83	3763139.33	2.50E-04	8.51E-04	3.88E-05	1.39E-04	2.09E-05	6.45E-05
609	437867.94	3763174.71	1.93E-04	6.57E-04	3.00E-05	1.07E-04	1.61E-05	4.98E-05
610	437859.72	3763183.55	1.79E-04	6.11E-04	2.78E-05	9.98E-05	1.50E-05	4.63E-05
611	437851.49	3763192.39	1.66E-04	5.65E-04	2.58E-05	9.24E-05	1.39E-05	4.28E-05
612	437843.27	3763201.24	1.54E-04	5.23E-04	2.39E-05	8.55E-05	1.28E-05	3.97E-05
613	437835.05	3763210.08	1.42E-04	4.86E-04	2.21E-05	7.93E-05	1.19E-05	3.68E-05
614	437950.44	3763129.46	2.59E-04	8.84E-04	4.03E-05	1.44E-04	2.17E-05	6.70E-05
615	437942.13	3763138.39	2.48E-04	8.46E-04	3.86E-05	1.38E-04	2.08E-05	6.41E-05
616	437933.82	3763147.33	2.37E-04	8.07E-04	3.68E-05	1.32E-04	1.98E-05	6.12E-05
617	437925.51	3763156.27	2.25E-04	7.67E-04	3.49E-05	1.25E-04	1.88E-05	5.81E-05
618	437917.21	3763165.2	2.13E-04	7.26E-04	3.31E-05	1.19E-04	1.78E-05	5.50E-05
619	437908.9	3763174.14	2.01E-04	6.85E-04	3.12E-05	1.12E-04	1.68E-05	5.19E-05
620	437900.59	3763183.08	1.88E-04	6.43E-04	2.93E-05	1.05E-04	1.58E-05	4.87E-05

621	437867.35	3763218.82	1.42E-04	4.83E-04	2.20E-05	7.89E-05	1.18E-05	3.66E-05
622	437859.04	3763227.76	1.32E-04	4.49E-04	2.04E-05	7.33E-05	1.10E-05	3.40E-05
623	437850.73	3763236.7	1.22E-04	4.17E-04	1.90E-05	6.81E-05	1.02E-05	3.16E-05
624	437950.23	3763173.17	2.04E-04	6.97E-04	3.18E-05	1.14E-04	1.71E-05	5.28E-05
625	437941.84	3763182.19	1.94E-04	6.60E-04	3.01E-05	1.08E-04	1.62E-05	5.00E-05
626	437933.45	3763191.21	1.83E-04	6.25E-04	2.85E-05	1.02E-04	1.53E-05	4.73E-05
627	437925.07	3763200.23	1.73E-04	5.88E-04	2.68E-05	9.61E-05	1.44E-05	4.46E-05
628	437916.68	3763209.25	1.62E-04	5.51E-04	2.51E-05	9.01E-05	1.35E-05	4.18E-05
629	437908.29	3763218.27	1.51E-04	5.15E-04	2.35E-05	8.41E-05	1.26E-05	3.90E-05
630	437874.74	3763254.35	1.12E-04	3.82E-04	1.74E-05	6.24E-05	9.37E-06	2.89E-05
631	438000.4	3763162.69	2.14E-04	7.29E-04	3.32E-05	1.19E-04	1.79E-05	5.53E-05
632	437992.14	3763171.57	2.06E-04	7.02E-04	3.20E-05	1.15E-04	1.72E-05	5.32E-05
633	437983.88	3763180.46	1.97E-04	6.71E-04	3.06E-05	1.10E-04	1.65E-05	5.08E-05
634	437950.84	3763216	1.60E-04	5.44E-04	2.48E-05	8.89E-05	1.34E-05	4.12E-05
635	437942.58	3763224.88	1.50E-04	5.12E-04	2.33E-05	8.37E-05	1.26E-05	3.88E-05
636	437934.32	3763233.77	1.41E-04	4.81E-04	2.19E-05	7.85E-05	1.18E-05	3.64E-05
637	437926.05	3763242.65	1.32E-04	4.50E-04	2.05E-05	7.35E-05	1.10E-05	3.41E-05
638	437917.79	3763251.54	1.23E-04	4.20E-04	1.91E-05	6.86E-05	1.03E-05	3.18E-05
639	437909.53	3763260.42	1.15E-04	3.91E-04	1.78E-05	6.39E-05	9.60E-06	2.96E-05
640	437901.27	3763269.3	1.07E-04	3.65E-04	1.66E-05	5.97E-05	8.97E-06	2.77E-05
641	437893.01	3763278.19	9.99E-05	3.41E-04	1.55E-05	5.57E-05	8.37E-06	2.58E-05
642	438025.35	3763179.34	1.95E-04	6.65E-04	3.03E-05	1.09E-04	1.63E-05	5.04E-05
643	438017.02	3763188.3	1.88E-04	6.39E-04	2.91E-05	1.04E-04	1.57E-05	4.85E-05
644	438008.69	3763197.26	1.80E-04	6.13E-04	2.79E-05	1.00E-04	1.50E-05	4.64E-05
645	438000.36	3763206.22	1.71E-04	5.85E-04	2.66E-05	9.55E-05	1.44E-05	4.43E-05
646	437992.02	3763215.18	1.64E-04	5.59E-04	2.55E-05	9.13E-05	1.37E-05	4.23E-05
647	437983.69	3763224.15	1.56E-04	5.30E-04	2.42E-05	8.66E-05	1.30E-05	4.02E-05
648	437950.36	3763259.99	1.22E-04	4.16E-04	1.90E-05	6.80E-05	1.02E-05	3.15E-05
649	437942.03	3763268.95	1.15E-04	3.91E-04	1.78E-05	6.38E-05	9.59E-06	2.96E-05
650	437933.7	3763277.91	1.07E-04	3.66E-04	1.67E-05	5.98E-05	8.98E-06	2.77E-05
651	437925.36	3763286.88	1.00E-04	3.43E-04	1.56E-05	5.60E-05	8.41E-06	2.60E-05
652	437917.03	3763295.84	9.45E-05	3.22E-04	1.47E-05	5.27E-05	7.91E-06	2.44E-05
653	437908.7	3763304.8	8.84E-05	3.01E-04	1.37E-05	4.93E-05	7.40E-06	2.28E-05
654	438025.11	3763223.08	1.58E-04	5.40E-04	2.46E-05	8.82E-05	1.33E-05	4.09E-05
655	437999.92	3763250.18	1.35E-04	4.61E-04	2.10E-05	7.53E-05	1.13E-05	3.49E-05
656	437991.52	3763259.21	1.28E-04	4.35E-04	1.98E-05	7.11E-05	1.07E-05	3.30E-05
657	437983.12	3763268.24	1.20E-04	4.10E-04	1.87E-05	6.70E-05	1.01E-05	3.11E-05
658	437949.53	3763304.37	9.40E-05	3.21E-04	1.46E-05	5.24E-05	7.87E-06	2.43E-05
659	437941.13	3763313.4	8.84E-05	3.02E-04	1.37E-05	4.93E-05	7.40E-06	2.28E-05
660	438083.59	3763218.16	1.59E-04	5.43E-04	2.48E-05	8.87E-05	1.33E-05	4.12E-05
661	438075.17	3763227.22	1.54E-04	5.24E-04	2.39E-05	8.56E-05	1.29E-05	3.97E-05
662	438058.33	3763245.33	1.41E-04	4.82E-04	2.20E-05	7.88E-05	1.18E-05	3.66E-05
663	438049.91	3763254.38	1.35E-04	4.61E-04	2.10E-05	7.53E-05	1.13E-05	3.49E-05
664	438041.49	3763263.44	1.29E-04	4.39E-04	2.00E-05	7.18E-05	1.08E-05	3.33E-05
665	438033.07	3763272.49	1.22E-04	4.17E-04	1.90E-05	6.82E-05	1.02E-05	3.16E-05
666	438024.65	3763281.55	1.16E-04	3.95E-04	1.80E-05	6.46E-05	9.71E-06	3.00E-05
667	438016.23	3763290.61	1.10E-04	3.74E-04	1.70E-05	6.11E-05	9.18E-06	2.84E-05
668	438007.81	3763299.66	1.04E-04	3.54E-04	1.61E-05	5.79E-05	8.69E-06	2.68E-05
669	437999.39	3763308.72	9.81E-05	3.34E-04	1.52E-05	5.46E-05	8.21E-06	2.53E-05
670	437990.97	3763317.77	9.24E-05	3.15E-04	1.44E-05	5.15E-05	7.74E-06	2.39E-05
671	437982.55	3763326.83	8.70E-05	2.97E-04	1.35E-05	4.85E-05	7.28E-06	2.25E-05
672	437948.87	3763363.05	6.77E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05

673	438108.44	3763249.41	1.39E-04	4.74E-04	2.16E-05	7.74E-05	1.16E-05	3.59E-05
674	438100	3763258.49	1.34E-04	4.56E-04	2.08E-05	7.44E-05	1.12E-05	3.45E-05
675	438091.56	3763267.56	1.28E-04	4.37E-04	1.99E-05	7.14E-05	1.07E-05	3.31E-05
676	438083.12	3763276.64	1.23E-04	4.19E-04	1.91E-05	6.84E-05	1.03E-05	3.17E-05
677	438074.68	3763285.72	1.17E-04	4.00E-04	1.82E-05	6.54E-05	9.82E-06	3.03E-05
678	438066.24	3763294.8	1.12E-04	3.81E-04	1.74E-05	6.23E-05	9.36E-06	2.89E-05
679	438057.8	3763303.87	1.06E-04	3.63E-04	1.65E-05	5.92E-05	8.90E-06	2.75E-05
680	438049.36	3763312.95	1.01E-04	3.45E-04	1.57E-05	5.63E-05	8.46E-06	2.61E-05
681	438040.92	3763322.03	9.60E-05	3.27E-04	1.49E-05	5.35E-05	8.04E-06	2.48E-05
682	438032.48	3763331.1	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
683	438024.04	3763340.18	8.61E-05	2.94E-04	1.34E-05	4.80E-05	7.21E-06	2.22E-05
684	438015.6	3763349.26	8.13E-05	2.77E-04	1.26E-05	4.53E-05	6.81E-06	2.10E-05
685	438007.16	3763358.34	7.65E-05	2.61E-04	1.19E-05	4.26E-05	6.40E-06	1.98E-05
686	437998.72	3763367.41	7.18E-05	2.45E-04	1.12E-05	4.00E-05	6.01E-06	1.86E-05
687	438150.22	3763262.45	1.31E-04	4.45E-04	2.03E-05	7.28E-05	1.09E-05	3.37E-05
688	438141.91	3763271.39	1.27E-04	4.33E-04	1.97E-05	7.08E-05	1.06E-05	3.28E-05
689	438133.61	3763280.32	1.23E-04	4.18E-04	1.90E-05	6.83E-05	1.03E-05	3.17E-05
690	438125.3	3763289.26	1.18E-04	4.03E-04	1.83E-05	6.58E-05	9.88E-06	3.05E-05
691	438116.99	3763298.2	1.13E-04	3.86E-04	1.76E-05	6.31E-05	9.48E-06	2.93E-05
692	438108.68	3763307.13	1.08E-04	3.70E-04	1.68E-05	6.04E-05	9.08E-06	2.80E-05
693	438100.37	3763316.07	1.04E-04	3.54E-04	1.61E-05	5.78E-05	8.68E-06	2.68E-05
694	438092.06	3763325.01	9.90E-05	3.38E-04	1.54E-05	5.51E-05	8.29E-06	2.56E-05
695	438083.75	3763333.94	9.43E-05	3.22E-04	1.47E-05	5.25E-05	7.89E-06	2.44E-05
696	438075.44	3763342.88	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
697	438067.13	3763351.82	8.52E-05	2.90E-04	1.32E-05	4.74E-05	7.13E-06	2.20E-05
698	438058.82	3763360.75	8.08E-05	2.75E-04	1.25E-05	4.50E-05	6.76E-06	2.09E-05
699	438050.51	3763369.69	7.66E-05	2.61E-04	1.19E-05	4.27E-05	6.41E-06	1.98E-05
700	438017.27	3763405.44	6.08E-05	2.07E-04	9.45E-06	3.39E-05	5.09E-06	1.57E-05
701	438008.96	3763414.37	5.73E-05	1.96E-04	8.91E-06	3.19E-05	4.80E-06	1.48E-05
702	438000.65	3763423.31	5.41E-05	1.84E-04	8.40E-06	3.01E-05	4.52E-06	1.40E-05
703	438183.51	3763284.62	1.19E-04	4.05E-04	1.85E-05	6.62E-05	9.95E-06	3.07E-05
704	438175.18	3763293.59	1.15E-04	3.93E-04	1.79E-05	6.42E-05	9.64E-06	2.98E-05
705	438166.85	3763302.55	1.12E-04	3.82E-04	1.74E-05	6.24E-05	9.37E-06	2.89E-05
706	438158.52	3763311.51	1.08E-04	3.68E-04	1.68E-05	6.02E-05	9.04E-06	2.79E-05
707	438150.18	3763320.47	1.04E-04	3.54E-04	1.61E-05	5.79E-05	8.70E-06	2.68E-05
708	438141.85	3763329.43	9.96E-05	3.40E-04	1.55E-05	5.55E-05	8.34E-06	2.57E-05
709	438133.52	3763338.39	9.54E-05	3.25E-04	1.48E-05	5.31E-05	7.99E-06	2.47E-05
710	438125.19	3763347.36	9.13E-05	3.11E-04	1.42E-05	5.08E-05	7.64E-06	2.36E-05
711	438116.85	3763356.32	8.72E-05	2.97E-04	1.36E-05	4.86E-05	7.30E-06	2.25E-05
712	438108.52	3763365.28	8.32E-05	2.84E-04	1.29E-05	4.63E-05	6.96E-06	2.15E-05
713	438075.19	3763401.12	6.80E-05	2.32E-04	1.06E-05	3.79E-05	5.69E-06	1.76E-05
714	438066.86	3763410.09	6.45E-05	2.20E-04	1.00E-05	3.59E-05	5.40E-06	1.67E-05
715	438058.53	3763419.05	6.10E-05	2.08E-04	9.49E-06	3.40E-05	5.11E-06	1.58E-05
716	438050.19	3763428.01	5.77E-05	1.97E-04	8.96E-06	3.21E-05	4.83E-06	1.49E-05
717	438041.86	3763436.97	5.44E-05	1.86E-04	8.46E-06	3.03E-05	4.56E-06	1.41E-05
718	438033.53	3763445.93	5.14E-05	1.75E-04	7.98E-06	2.86E-05	4.30E-06	1.33E-05
719	438025.2	3763454.89	4.85E-05	1.66E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
720	438216.8	3763306.8	1.09E-04	3.72E-04	1.69E-05	6.07E-05	9.12E-06	2.82E-05
721	438208.45	3763315.78	1.06E-04	3.60E-04	1.64E-05	5.89E-05	8.85E-06	2.73E-05
722	438200.1	3763324.77	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.64E-05
723	438191.74	3763333.75	9.88E-05	3.37E-04	1.54E-05	5.51E-05	8.27E-06	2.55E-05
724	438183.39	3763342.73	9.52E-05	3.25E-04	1.48E-05	5.30E-05	7.97E-06	2.46E-05

725	438175.04	3763351.72	9.15E-05	3.12E-04	1.42E-05	5.10E-05	7.66E-06	2.36E-05
726	438166.68	3763360.7	8.78E-05	2.99E-04	1.36E-05	4.89E-05	7.35E-06	2.27E-05
727	438158.33	3763369.69	8.41E-05	2.87E-04	1.31E-05	4.68E-05	7.04E-06	2.17E-05
728	438124.92	3763405.62	7.00E-05	2.39E-04	1.09E-05	3.90E-05	5.86E-06	1.81E-05
729	438116.56	3763414.61	6.68E-05	2.28E-04	1.04E-05	3.72E-05	5.59E-06	1.72E-05
730	438108.21	3763423.59	6.36E-05	2.17E-04	9.89E-06	3.55E-05	5.33E-06	1.64E-05
731	438099.86	3763432.57	6.06E-05	2.07E-04	9.41E-06	3.37E-05	5.07E-06	1.57E-05
732	438091.5	3763441.56	5.76E-05	1.96E-04	8.95E-06	3.21E-05	4.82E-06	1.49E-05
733	438083.15	3763450.54	5.45E-05	1.86E-04	8.47E-06	3.03E-05	4.56E-06	1.41E-05
734	438074.8	3763459.52	5.15E-05	1.76E-04	8.01E-06	2.87E-05	4.31E-06	1.33E-05
735	438066.44	3763468.51	4.88E-05	1.66E-04	7.58E-06	2.72E-05	4.08E-06	1.26E-05
736	438058.09	3763477.49	4.62E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
737	438049.74	3763486.48	4.37E-05	1.49E-04	6.79E-06	2.43E-05	3.66E-06	1.13E-05
738	438250.09	3763328.97	9.99E-05	3.41E-04	1.55E-05	5.57E-05	8.36E-06	2.58E-05
739	438241.72	3763337.97	9.71E-05	3.31E-04	1.51E-05	5.41E-05	8.13E-06	2.51E-05
740	438233.35	3763346.98	9.41E-05	3.21E-04	1.46E-05	5.24E-05	7.88E-06	2.43E-05
741	438224.98	3763355.98	9.11E-05	3.11E-04	1.42E-05	5.07E-05	7.62E-06	2.35E-05
742	438216.6	3763364.99	8.79E-05	3.00E-04	1.37E-05	4.90E-05	7.36E-06	2.27E-05
743	438183.11	3763401.01	7.47E-05	2.55E-04	1.16E-05	4.16E-05	6.25E-06	1.93E-05
744	438174.74	3763410.01	7.14E-05	2.43E-04	1.11E-05	3.98E-05	5.98E-06	1.84E-05
745	438166.37	3763419.01	6.85E-05	2.33E-04	1.06E-05	3.81E-05	5.73E-06	1.77E-05
746	438158	3763428.02	6.56E-05	2.24E-04	1.02E-05	3.65E-05	5.49E-06	1.69E-05
747	438149.63	3763437.02	6.28E-05	2.14E-04	9.75E-06	3.50E-05	5.25E-06	1.62E-05
748	438141.25	3763446.03	5.99E-05	2.04E-04	9.30E-06	3.33E-05	5.01E-06	1.55E-05
749	438132.88	3763455.03	5.69E-05	1.94E-04	8.85E-06	3.17E-05	4.76E-06	1.47E-05
750	438124.51	3763464.04	5.41E-05	1.84E-04	8.40E-06	3.01E-05	4.52E-06	1.40E-05
751	438116.14	3763473.04	5.12E-05	1.75E-04	7.96E-06	2.85E-05	4.29E-06	1.32E-05
752	438107.76	3763482.04	4.86E-05	1.66E-04	7.55E-06	2.71E-05	4.06E-06	1.25E-05
753	438099.39	3763491.05	4.60E-05	1.57E-04	7.15E-06	2.56E-05	3.85E-06	1.19E-05
754	438091.02	3763500.05	4.36E-05	1.49E-04	6.78E-06	2.43E-05	3.65E-06	1.13E-05
755	438082.65	3763509.06	4.15E-05	1.41E-04	6.44E-06	2.31E-05	3.47E-06	1.07E-05
756	438074.27	3763518.06	3.94E-05	1.34E-04	6.12E-06	2.19E-05	3.30E-06	1.02E-05
757	438283.39	3763351.14	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.72E-06	2.38E-05
758	438275	3763360.17	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
759	438266.61	3763369.19	8.70E-05	2.97E-04	1.35E-05	4.85E-05	7.28E-06	2.25E-05
760	438233.05	3763405.28	7.57E-05	2.58E-04	1.18E-05	4.22E-05	6.34E-06	1.96E-05
761	438224.66	3763414.3	7.28E-05	2.48E-04	1.13E-05	4.05E-05	6.09E-06	1.88E-05
762	438216.27	3763423.33	7.00E-05	2.39E-04	1.09E-05	3.90E-05	5.86E-06	1.81E-05
763	438207.88	3763432.35	6.73E-05	2.29E-04	1.05E-05	3.75E-05	5.63E-06	1.74E-05
764	438199.49	3763441.37	6.46E-05	2.20E-04	1.00E-05	3.60E-05	5.41E-06	1.67E-05
765	438191.1	3763450.4	6.19E-05	2.11E-04	9.62E-06	3.45E-05	5.18E-06	1.60E-05
766	438182.71	3763459.42	5.93E-05	2.02E-04	9.22E-06	3.31E-05	4.97E-06	1.53E-05
767	438174.32	3763468.44	5.67E-05	1.94E-04	8.82E-06	3.16E-05	4.75E-06	1.47E-05
768	438165.93	3763477.46	5.39E-05	1.84E-04	8.38E-06	3.00E-05	4.51E-06	1.39E-05
769	438157.54	3763486.49	5.12E-05	1.75E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
770	438149.15	3763495.51	4.85E-05	1.66E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
771	438140.76	3763504.53	4.61E-05	1.57E-04	7.16E-06	2.57E-05	3.85E-06	1.19E-05
772	438132.37	3763513.56	4.37E-05	1.49E-04	6.79E-06	2.44E-05	3.66E-06	1.13E-05
773	438123.98	3763522.58	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
774	438115.59	3763531.6	3.95E-05	1.35E-04	6.13E-06	2.20E-05	3.30E-06	1.02E-05
775	438291.46	3763400.43	7.82E-05	2.67E-04	1.21E-05	4.36E-05	6.54E-06	2.02E-05
776	438283.05	3763409.47	7.56E-05	2.58E-04	1.17E-05	4.21E-05	6.32E-06	1.95E-05

777	438266.24	3763427.55	7.04E-05	2.40E-04	1.09E-05	3.92E-05	5.89E-06	1.82E-05
778	438257.84	3763436.59	6.79E-05	2.31E-04	1.05E-05	3.78E-05	5.68E-06	1.75E-05
779	438249.43	3763445.63	6.54E-05	2.23E-04	1.02E-05	3.64E-05	5.47E-06	1.69E-05
780	438241.03	3763454.67	6.30E-05	2.15E-04	9.79E-06	3.51E-05	5.28E-06	1.63E-05
781	438232.62	3763463.71	6.07E-05	2.07E-04	9.43E-06	3.38E-05	5.08E-06	1.57E-05
782	438224.21	3763472.75	5.84E-05	1.99E-04	9.07E-06	3.25E-05	4.89E-06	1.51E-05
783	438215.81	3763481.79	5.59E-05	1.91E-04	8.69E-06	3.12E-05	4.68E-06	1.45E-05
784	438207.4	3763490.83	5.35E-05	1.82E-04	8.31E-06	2.98E-05	4.48E-06	1.38E-05
785	438199	3763499.87	5.10E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
786	438190.59	3763508.92	4.85E-05	1.65E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
787	438182.19	3763517.96	4.61E-05	1.57E-04	7.16E-06	2.57E-05	3.86E-06	1.19E-05
788	438173.78	3763527	4.38E-05	1.49E-04	6.81E-06	2.44E-05	3.67E-06	1.13E-05
789	438165.38	3763536.04	4.17E-05	1.42E-04	6.48E-06	2.32E-05	3.49E-06	1.08E-05
790	438140.16	3763563.16	3.60E-05	1.23E-04	5.60E-06	2.01E-05	3.01E-06	9.30E-06
791	438131.75	3763572.2	3.42E-05	1.17E-04	5.32E-06	1.91E-05	2.87E-06	8.85E-06
792	438123.35	3763581.24	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
793	438349.97	3763395.48	7.89E-05	2.69E-04	1.23E-05	4.40E-05	6.61E-06	2.04E-05
794	438341.55	3763404.54	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.45E-06	1.99E-05
795	438333.13	3763413.6	7.50E-05	2.56E-04	1.16E-05	4.18E-05	6.27E-06	1.94E-05
796	438324.71	3763422.65	7.27E-05	2.48E-04	1.13E-05	4.05E-05	6.09E-06	1.88E-05
797	438316.29	3763431.71	7.04E-05	2.40E-04	1.09E-05	3.92E-05	5.90E-06	1.82E-05
798	438307.87	3763440.76	6.81E-05	2.32E-04	1.06E-05	3.79E-05	5.70E-06	1.76E-05
799	438299.45	3763449.82	6.58E-05	2.25E-04	1.02E-05	3.67E-05	5.51E-06	1.70E-05
800	438291.03	3763458.88	6.36E-05	2.17E-04	9.88E-06	3.54E-05	5.32E-06	1.64E-05
801	438257.35	3763495.1	5.50E-05	1.87E-04	8.54E-06	3.06E-05	4.60E-06	1.42E-05
802	438248.93	3763504.15	5.27E-05	1.80E-04	8.20E-06	2.94E-05	4.41E-06	1.36E-05
803	438240.51	3763513.21	5.05E-05	1.72E-04	7.85E-06	2.81E-05	4.23E-06	1.30E-05
804	438232.09	3763522.27	4.83E-05	1.65E-04	7.51E-06	2.69E-05	4.04E-06	1.25E-05
805	438223.67	3763531.32	4.61E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
806	438198.4	3763558.49	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
807	438189.98	3763567.55	3.81E-05	1.30E-04	5.91E-06	2.12E-05	3.19E-06	9.83E-06
808	438181.56	3763576.6	3.63E-05	1.24E-04	5.64E-06	2.02E-05	3.04E-06	9.38E-06
809	438173.14	3763585.66	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.95E-06
810	438164.72	3763594.71	3.30E-05	1.13E-04	5.13E-06	1.84E-05	2.76E-06	8.53E-06
811	438156.3	3763603.77	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
812	438147.88	3763612.82	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
813	438349.53	3763453.94	6.56E-05	2.24E-04	1.02E-05	3.66E-05	5.49E-06	1.70E-05
814	438341.09	3763463.01	6.36E-05	2.17E-04	9.89E-06	3.55E-05	5.33E-06	1.64E-05
815	438332.66	3763472.08	6.16E-05	2.10E-04	9.58E-06	3.43E-05	5.16E-06	1.59E-05
816	438324.23	3763481.15	5.97E-05	2.03E-04	9.27E-06	3.32E-05	4.99E-06	1.54E-05
817	438315.79	3763490.22	5.77E-05	1.97E-04	8.97E-06	3.22E-05	4.83E-06	1.49E-05
818	438307.36	3763499.29	5.58E-05	1.90E-04	8.67E-06	3.11E-05	4.67E-06	1.44E-05
819	438298.92	3763508.36	5.38E-05	1.84E-04	8.36E-06	3.00E-05	4.50E-06	1.39E-05
820	438290.49	3763517.43	5.18E-05	1.77E-04	8.05E-06	2.89E-05	4.34E-06	1.34E-05
821	438248.32	3763562.78	4.18E-05	1.43E-04	6.50E-06	2.33E-05	3.50E-06	1.08E-05
822	438239.89	3763571.85	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
823	438231.45	3763580.92	3.81E-05	1.30E-04	5.92E-06	2.12E-05	3.19E-06	9.85E-06
824	438223.02	3763589.99	3.64E-05	1.24E-04	5.66E-06	2.03E-05	3.05E-06	9.41E-06
825	438214.59	3763599.06	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.01E-06
826	438206.15	3763608.13	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.61E-06
827	438197.72	3763617.2	3.18E-05	1.09E-04	4.95E-06	1.77E-05	2.66E-06	8.22E-06
828	438189.29	3763626.27	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06

829	438180.85	3763635.34	2.90E-05	9.88E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
830	438172.42	3763644.41	2.76E-05	9.42E-05	4.29E-06	1.54E-05	2.31E-06	7.14E-06
831	437586	3762817.86	9.35E-03	3.19E-02	1.45E-03	5.21E-03	7.83E-04	2.42E-03
832	437586.01	3762808.05	9.37E-03	3.20E-02	1.46E-03	5.22E-03	7.85E-04	2.42E-03
833	437586.03	3762798.24	9.34E-03	3.18E-02	1.45E-03	5.20E-03	7.82E-04	2.41E-03
834	437586.04	3762788.43	9.18E-03	3.13E-02	1.43E-03	5.11E-03	7.68E-04	2.37E-03
835	437586.05	3762778.62	8.89E-03	3.03E-02	1.38E-03	4.95E-03	7.44E-04	2.30E-03
836	437586.07	3762768.81	8.43E-03	2.88E-02	1.31E-03	4.70E-03	7.06E-04	2.18E-03
837	437586.08	3762759	7.82E-03	2.67E-02	1.22E-03	4.36E-03	6.55E-04	2.02E-03
838	437586.1	3762749.19	7.03E-03	2.40E-02	1.09E-03	3.92E-03	5.88E-04	1.82E-03
839	437586.11	3762739.38	6.05E-03	2.06E-02	9.40E-04	3.37E-03	5.06E-04	1.56E-03
840	437586.13	3762729.57	5.00E-03	1.71E-02	7.78E-04	2.79E-03	4.19E-04	1.29E-03
841	437596	3762817.87	7.75E-03	2.64E-02	1.20E-03	4.32E-03	6.48E-04	2.00E-03
842	437596.01	3762808.06	7.75E-03	2.64E-02	1.20E-03	4.32E-03	6.49E-04	2.00E-03
843	437596.03	3762798.25	7.72E-03	2.63E-02	1.20E-03	4.30E-03	6.46E-04	2.00E-03
844	437596.04	3762788.44	7.58E-03	2.58E-02	1.18E-03	4.22E-03	6.34E-04	1.96E-03
845	437596.05	3762778.63	7.32E-03	2.50E-02	1.14E-03	4.08E-03	6.13E-04	1.89E-03
846	437596.07	3762768.82	6.91E-03	2.36E-02	1.07E-03	3.85E-03	5.79E-04	1.79E-03
847	437596.08	3762759.02	6.39E-03	2.18E-02	9.93E-04	3.56E-03	5.35E-04	1.65E-03
848	437596.1	3762749.21	5.74E-03	1.96E-02	8.92E-04	3.20E-03	4.81E-04	1.48E-03
849	437596.11	3762739.4	4.99E-03	1.70E-02	7.76E-04	2.78E-03	4.18E-04	1.29E-03
850	437596.13	3762729.59	4.23E-03	1.44E-02	6.57E-04	2.35E-03	3.54E-04	1.09E-03
851	437605.98	3762827.69	6.47E-03	2.20E-02	1.00E-03	3.60E-03	5.41E-04	1.67E-03
852	437606	3762817.89	6.54E-03	2.23E-02	1.02E-03	3.64E-03	5.47E-04	1.69E-03
853	437606.01	3762808.08	6.53E-03	2.23E-02	1.01E-03	3.64E-03	5.46E-04	1.69E-03
854	437606.03	3762798.27	6.49E-03	2.21E-02	1.01E-03	3.62E-03	5.44E-04	1.68E-03
855	437606.04	3762788.46	6.37E-03	2.17E-02	9.89E-04	3.55E-03	5.33E-04	1.64E-03
856	437606.05	3762778.65	6.14E-03	2.09E-02	9.53E-04	3.42E-03	5.14E-04	1.59E-03
857	437606.07	3762768.84	5.78E-03	1.97E-02	8.98E-04	3.22E-03	4.84E-04	1.49E-03
858	437606.08	3762759.03	5.33E-03	1.82E-02	8.28E-04	2.97E-03	4.46E-04	1.38E-03
859	437606.1	3762749.22	4.80E-03	1.64E-02	7.46E-04	2.68E-03	4.02E-04	1.24E-03
860	437606.11	3762739.41	4.22E-03	1.44E-02	6.56E-04	2.35E-03	3.54E-04	1.09E-03
861	437606.13	3762729.6	3.64E-03	1.24E-02	5.65E-04	2.03E-03	3.04E-04	9.40E-04
862	437615.98	3762827.71	5.64E-03	1.92E-02	8.77E-04	3.14E-03	4.72E-04	1.46E-03
863	437616	3762817.9	5.69E-03	1.94E-02	8.84E-04	3.17E-03	4.76E-04	1.47E-03
864	437616.01	3762808.09	5.66E-03	1.93E-02	8.80E-04	3.15E-03	4.74E-04	1.46E-03
865	437616.03	3762798.28	5.62E-03	1.92E-02	8.73E-04	3.13E-03	4.70E-04	1.45E-03
866	437616.04	3762788.47	5.49E-03	1.87E-02	8.54E-04	3.06E-03	4.60E-04	1.42E-03
867	437616.05	3762778.66	5.28E-03	1.80E-02	8.21E-04	2.94E-03	4.42E-04	1.37E-03
868	437616.07	3762768.85	4.97E-03	1.69E-02	7.72E-04	2.77E-03	4.16E-04	1.28E-03
869	437616.08	3762759.04	4.58E-03	1.56E-02	7.12E-04	2.55E-03	3.83E-04	1.18E-03
870	437616.1	3762749.24	4.14E-03	1.41E-02	6.44E-04	2.31E-03	3.47E-04	1.07E-03
871	437616.11	3762739.43	3.68E-03	1.25E-02	5.72E-04	2.05E-03	3.08E-04	9.51E-04
872	437616.13	3762729.62	3.21E-03	1.10E-02	4.99E-04	1.79E-03	2.69E-04	8.30E-04
873	437625.98	3762827.72	5.02E-03	1.71E-02	7.80E-04	2.80E-03	4.20E-04	1.30E-03
874	437626	3762817.91	5.04E-03	1.72E-02	7.84E-04	2.81E-03	4.22E-04	1.30E-03
875	437626.01	3762808.11	5.01E-03	1.71E-02	7.78E-04	2.79E-03	4.19E-04	1.29E-03
876	437626.03	3762798.3	4.95E-03	1.69E-02	7.69E-04	2.76E-03	4.14E-04	1.28E-03
877	437626.04	3762788.49	4.83E-03	1.65E-02	7.50E-04	2.69E-03	4.04E-04	1.25E-03
878	437626.05	3762778.68	4.63E-03	1.58E-02	7.19E-04	2.58E-03	3.88E-04	1.20E-03
879	437626.07	3762768.87	4.35E-03	1.48E-02	6.75E-04	2.42E-03	3.64E-04	1.12E-03
880	437626.08	3762759.06	4.01E-03	1.37E-02	6.24E-04	2.24E-03	3.36E-04	1.04E-03

881	437626.1	3762749.25	3.64E-03	1.24E-02	5.66E-04	2.03E-03	3.05E-04	9.41E-04
882	437626.11	3762739.44	3.26E-03	1.11E-02	5.06E-04	1.82E-03	2.73E-04	8.42E-04
883	437626.13	3762729.63	2.88E-03	9.81E-03	4.47E-04	1.60E-03	2.41E-04	7.43E-04
884	437635.98	3762827.74	4.49E-03	1.53E-02	6.98E-04	2.50E-03	3.76E-04	1.16E-03
885	437636	3762817.93	4.50E-03	1.53E-02	6.99E-04	2.51E-03	3.77E-04	1.16E-03
886	437636.01	3762808.12	4.45E-03	1.52E-02	6.92E-04	2.48E-03	3.73E-04	1.15E-03
887	437636.03	3762798.31	4.39E-03	1.50E-02	6.82E-04	2.45E-03	3.67E-04	1.13E-03
888	437636.04	3762788.5	4.27E-03	1.45E-02	6.63E-04	2.38E-03	3.57E-04	1.10E-03
889	437636.05	3762778.69	4.08E-03	1.39E-02	6.34E-04	2.27E-03	3.42E-04	1.06E-03
890	437636.07	3762768.88	3.83E-03	1.31E-02	5.95E-04	2.13E-03	3.21E-04	9.90E-04
891	437636.08	3762759.07	3.54E-03	1.21E-02	5.50E-04	1.97E-03	2.97E-04	9.15E-04
892	437636.1	3762749.26	3.23E-03	1.10E-02	5.01E-04	1.80E-03	2.70E-04	8.34E-04
893	437636.11	3762739.46	2.91E-03	9.92E-03	4.52E-04	1.62E-03	2.43E-04	7.51E-04
894	437636.13	3762729.65	2.59E-03	8.83E-03	4.02E-04	1.44E-03	2.17E-04	6.69E-04
895	437633.37	3762898.63	2.90E-03	9.90E-03	4.51E-04	1.62E-03	2.43E-04	7.50E-04
896	437645.98	3762827.75	4.05E-03	1.38E-02	6.29E-04	2.25E-03	3.39E-04	1.05E-03
897	437646	3762817.94	4.05E-03	1.38E-02	6.29E-04	2.25E-03	3.39E-04	1.05E-03
898	437646.01	3762808.13	4.00E-03	1.36E-02	6.22E-04	2.23E-03	3.35E-04	1.03E-03
899	437646.03	3762798.33	3.93E-03	1.34E-02	6.11E-04	2.19E-03	3.29E-04	1.02E-03
900	437646.04	3762788.52	3.81E-03	1.30E-02	5.92E-04	2.12E-03	3.19E-04	9.84E-04
901	437646.05	3762778.71	3.64E-03	1.24E-02	5.65E-04	2.03E-03	3.05E-04	9.40E-04
902	437646.07	3762768.9	3.42E-03	1.16E-02	5.31E-04	1.90E-03	2.86E-04	8.83E-04
903	437646.08	3762759.09	3.16E-03	1.08E-02	4.91E-04	1.76E-03	2.65E-04	8.17E-04
904	437646.1	3762749.28	2.89E-03	9.85E-03	4.49E-04	1.61E-03	2.42E-04	7.47E-04
905	437646.11	3762739.47	2.61E-03	8.91E-03	4.06E-04	1.46E-03	2.19E-04	6.75E-04
906	437646.13	3762729.66	2.34E-03	7.97E-03	3.63E-04	1.30E-03	1.96E-04	6.04E-04
907	437641.98	3762903.25	2.62E-03	8.92E-03	4.06E-04	1.46E-03	2.19E-04	6.76E-04
908	437655.98	3762827.77	3.66E-03	1.25E-02	5.69E-04	2.04E-03	3.06E-04	9.46E-04
909	437656	3762817.96	3.66E-03	1.25E-02	5.68E-04	2.04E-03	3.06E-04	9.45E-04
910	437656.01	3762808.15	3.61E-03	1.23E-02	5.61E-04	2.01E-03	3.02E-04	9.33E-04
911	437656.03	3762798.34	3.54E-03	1.21E-02	5.49E-04	1.97E-03	2.96E-04	9.13E-04
912	437656.04	3762788.53	3.42E-03	1.16E-02	5.31E-04	1.90E-03	2.86E-04	8.83E-04
913	437656.05	3762778.72	3.26E-03	1.11E-02	5.06E-04	1.81E-03	2.73E-04	8.42E-04
914	437656.07	3762768.91	3.06E-03	1.04E-02	4.75E-04	1.70E-03	2.56E-04	7.91E-04
915	437656.08	3762759.1	2.84E-03	9.68E-03	4.41E-04	1.58E-03	2.38E-04	7.33E-04
916	437656.1	3762749.29	2.60E-03	8.87E-03	4.04E-04	1.45E-03	2.18E-04	6.72E-04
917	437656.11	3762739.48	2.36E-03	8.05E-03	3.67E-04	1.31E-03	1.97E-04	6.10E-04
918	437656.13	3762729.67	2.12E-03	7.23E-03	3.29E-04	1.18E-03	1.77E-04	5.48E-04
919	437663.37	3762898.68	2.43E-03	8.28E-03	3.77E-04	1.35E-03	2.03E-04	6.27E-04
920	437658.34	3762915.26	2.11E-03	7.20E-03	3.28E-04	1.18E-03	1.77E-04	5.46E-04
921	437675.98	3762827.8	3.00E-03	1.02E-02	4.66E-04	1.67E-03	2.51E-04	7.76E-04
922	437676	3762817.99	2.99E-03	1.02E-02	4.64E-04	1.66E-03	2.50E-04	7.72E-04
923	437676.01	3762808.18	2.94E-03	1.00E-02	4.57E-04	1.64E-03	2.46E-04	7.59E-04
924	437676.03	3762798.37	2.86E-03	9.76E-03	4.44E-04	1.59E-03	2.39E-04	7.39E-04
925	437676.04	3762788.56	2.75E-03	9.39E-03	4.28E-04	1.53E-03	2.31E-04	7.12E-04
926	437676.05	3762778.75	2.62E-03	8.94E-03	4.07E-04	1.46E-03	2.19E-04	6.77E-04
927	437676.07	3762768.94	2.47E-03	8.41E-03	3.83E-04	1.37E-03	2.07E-04	6.38E-04
928	437676.08	3762759.13	2.30E-03	7.84E-03	3.57E-04	1.28E-03	1.92E-04	5.94E-04
929	437676.1	3762749.32	2.12E-03	7.23E-03	3.30E-04	1.18E-03	1.78E-04	5.48E-04
930	437676.11	3762739.51	1.94E-03	6.62E-03	3.01E-04	1.08E-03	1.62E-04	5.01E-04
931	437676.13	3762729.7	1.76E-03	6.01E-03	2.74E-04	9.81E-04	1.47E-04	4.55E-04
932	437676.14	3762719.89	1.59E-03	5.42E-03	2.47E-04	8.86E-04	1.33E-04	4.11E-04

933	437680.3	3762908.84	2.02E-03	6.87E-03	3.13E-04	1.12E-03	1.69E-04	5.21E-04
934	437677.69	3762917.44	1.89E-03	6.45E-03	2.94E-04	1.05E-03	1.58E-04	4.89E-04
935	437695.97	3762837.64	2.48E-03	8.45E-03	3.85E-04	1.38E-03	2.08E-04	6.41E-04
936	437695.98	3762827.83	2.48E-03	8.46E-03	3.85E-04	1.38E-03	2.08E-04	6.41E-04
937	437696	3762818.02	2.46E-03	8.37E-03	3.82E-04	1.37E-03	2.06E-04	6.34E-04
938	437696.01	3762808.21	2.41E-03	8.21E-03	3.74E-04	1.34E-03	2.02E-04	6.22E-04
939	437696.03	3762798.4	2.34E-03	7.97E-03	3.63E-04	1.30E-03	1.96E-04	6.04E-04
940	437696.04	3762788.59	2.25E-03	7.66E-03	3.49E-04	1.25E-03	1.88E-04	5.81E-04
941	437696.05	3762778.78	2.14E-03	7.30E-03	3.33E-04	1.19E-03	1.79E-04	5.53E-04
942	437696.07	3762768.97	2.02E-03	6.89E-03	3.14E-04	1.13E-03	1.69E-04	5.22E-04
943	437696.08	3762759.16	1.89E-03	6.45E-03	2.94E-04	1.05E-03	1.58E-04	4.89E-04
944	437696.1	3762749.35	1.76E-03	5.99E-03	2.73E-04	9.78E-04	1.47E-04	4.54E-04
945	437696.11	3762739.54	1.62E-03	5.52E-03	2.52E-04	9.02E-04	1.36E-04	4.18E-04
946	437696.13	3762729.73	1.48E-03	5.06E-03	2.31E-04	8.27E-04	1.24E-04	3.84E-04
947	437696.14	3762719.92	1.35E-03	4.62E-03	2.10E-04	7.54E-04	1.13E-04	3.50E-04
948	437702.53	3762901.5	1.87E-03	6.39E-03	2.91E-04	1.04E-03	1.57E-04	4.84E-04
949	437699.85	3762910.34	1.79E-03	6.11E-03	2.78E-04	9.98E-04	1.50E-04	4.63E-04
950	437697.17	3762919.18	1.70E-03	5.79E-03	2.64E-04	9.46E-04	1.42E-04	4.39E-04
951	437715.97	3762837.66	2.08E-03	7.09E-03	3.23E-04	1.16E-03	1.74E-04	5.37E-04
952	437715.98	3762827.86	2.07E-03	7.06E-03	3.22E-04	1.15E-03	1.73E-04	5.35E-04
953	437716	3762818.05	2.04E-03	6.97E-03	3.17E-04	1.14E-03	1.71E-04	5.28E-04
954	437716.01	3762808.24	2.00E-03	6.82E-03	3.11E-04	1.11E-03	1.67E-04	5.16E-04
955	437716.03	3762798.43	1.94E-03	6.61E-03	3.01E-04	1.08E-03	1.62E-04	5.01E-04
956	437716.04	3762788.62	1.86E-03	6.36E-03	2.90E-04	1.04E-03	1.56E-04	4.82E-04
957	437716.05	3762778.81	1.78E-03	6.06E-03	2.76E-04	9.91E-04	1.49E-04	4.59E-04
958	437716.07	3762769	1.68E-03	5.74E-03	2.62E-04	9.38E-04	1.41E-04	4.35E-04
959	437716.08	3762759.19	1.58E-03	5.39E-03	2.46E-04	8.81E-04	1.32E-04	4.09E-04
960	437716.1	3762749.38	1.48E-03	5.04E-03	2.29E-04	8.23E-04	1.24E-04	3.82E-04
961	437716.11	3762739.57	1.37E-03	4.68E-03	2.13E-04	7.64E-04	1.15E-04	3.54E-04
962	437716.13	3762729.76	1.27E-03	4.32E-03	1.97E-04	7.06E-04	1.06E-04	3.27E-04
963	437716.14	3762719.95	1.17E-03	3.98E-03	1.81E-04	6.49E-04	9.76E-05	3.01E-04
964	437735.97	3762837.69	1.76E-03	6.02E-03	2.74E-04	9.83E-04	1.48E-04	4.56E-04
965	437735.98	3762827.88	1.75E-03	5.97E-03	2.72E-04	9.75E-04	1.46E-04	4.52E-04
966	437736	3762818.07	1.72E-03	5.87E-03	2.68E-04	9.59E-04	1.44E-04	4.45E-04
967	437736.01	3762808.27	1.68E-03	5.73E-03	2.61E-04	9.37E-04	1.41E-04	4.35E-04
968	437736.03	3762798.46	1.63E-03	5.56E-03	2.53E-04	9.08E-04	1.36E-04	4.21E-04
969	437736.04	3762788.65	1.57E-03	5.35E-03	2.44E-04	8.74E-04	1.31E-04	4.05E-04
970	437736.05	3762778.84	1.50E-03	5.11E-03	2.33E-04	8.35E-04	1.25E-04	3.87E-04
971	437736.07	3762769.03	1.42E-03	4.85E-03	2.21E-04	7.93E-04	1.19E-04	3.68E-04
972	437736.08	3762759.22	1.34E-03	4.58E-03	2.09E-04	7.48E-04	1.12E-04	3.47E-04
973	437736.1	3762749.41	1.26E-03	4.29E-03	1.96E-04	7.01E-04	1.05E-04	3.25E-04
974	437736.11	3762739.6	1.18E-03	4.01E-03	1.83E-04	6.55E-04	9.85E-05	3.04E-04
975	437736.13	3762729.79	1.09E-03	3.73E-03	1.70E-04	6.09E-04	9.16E-05	2.83E-04
976	437736.14	3762719.98	1.01E-03	3.46E-03	1.57E-04	5.65E-04	8.48E-05	2.62E-04
977	437744.77	3762894.19	1.51E-03	5.14E-03	2.34E-04	8.39E-04	1.26E-04	3.89E-04
978	437741.98	3762903.4	1.47E-03	5.03E-03	2.29E-04	8.21E-04	1.23E-04	3.81E-04
979	437739.18	3762912.61	1.43E-03	4.88E-03	2.22E-04	7.98E-04	1.20E-04	3.70E-04
980	437736.39	3762921.82	1.38E-03	4.71E-03	2.14E-04	7.69E-04	1.16E-04	3.57E-04
981	437755.97	3762837.72	1.51E-03	5.16E-03	2.35E-04	8.43E-04	1.27E-04	3.91E-04
982	437755.98	3762827.91	1.50E-03	5.10E-03	2.32E-04	8.33E-04	1.25E-04	3.87E-04
983	437756	3762818.1	1.47E-03	5.01E-03	2.28E-04	8.19E-04	1.23E-04	3.80E-04
984	437756.01	3762808.29	1.43E-03	4.88E-03	2.23E-04	7.98E-04	1.20E-04	3.70E-04

985	437756.03	3762798.49	1.39E-03	4.73E-03	2.16E-04	7.73E-04	1.16E-04	3.59E-04
986	437756.04	3762788.68	1.34E-03	4.56E-03	2.08E-04	7.45E-04	1.12E-04	3.45E-04
987	437756.05	3762778.87	1.28E-03	4.36E-03	1.99E-04	7.13E-04	1.07E-04	3.31E-04
988	437756.07	3762769.06	1.22E-03	4.15E-03	1.89E-04	6.78E-04	1.02E-04	3.15E-04
989	437756.08	3762759.25	1.15E-03	3.93E-03	1.79E-04	6.42E-04	9.65E-05	2.98E-04
990	437756.1	3762749.44	1.09E-03	3.70E-03	1.69E-04	6.05E-04	9.09E-05	2.81E-04
991	437756.11	3762739.63	1.02E-03	3.48E-03	1.59E-04	5.68E-04	8.54E-05	2.64E-04
992	437756.13	3762729.82	9.54E-04	3.25E-03	1.48E-04	5.32E-04	7.99E-05	2.47E-04
993	437756.14	3762720.01	8.90E-04	3.03E-03	1.38E-04	4.96E-04	7.45E-05	2.30E-04
994	437764.6	3762894.78	1.33E-03	4.55E-03	2.07E-04	7.43E-04	1.12E-04	3.45E-04
995	437761.76	3762904.14	1.31E-03	4.48E-03	2.04E-04	7.32E-04	1.10E-04	3.39E-04
996	437758.92	3762913.49	1.28E-03	4.38E-03	1.99E-04	7.15E-04	1.07E-04	3.32E-04
997	437756.09	3762922.84	1.24E-03	4.24E-03	1.93E-04	6.93E-04	1.04E-04	3.22E-04
998	437753.25	3762932.2	1.20E-03	4.09E-03	1.86E-04	6.68E-04	1.00E-04	3.10E-04
999	437750.42	3762941.55	1.15E-03	3.91E-03	1.78E-04	6.39E-04	9.61E-05	2.97E-04
1000	437747.58	3762950.9	1.09E-03	3.72E-03	1.70E-04	6.08E-04	9.13E-05	2.82E-04
1001	437744.74	3762960.25	1.03E-03	3.51E-03	1.60E-04	5.74E-04	8.62E-05	2.66E-04
1002	437741.91	3762969.61	9.68E-04	3.30E-03	1.50E-04	5.39E-04	8.10E-05	2.50E-04
1003	437782.53	3762901.61	1.18E-03	4.01E-03	1.83E-04	6.55E-04	9.85E-05	3.04E-04
1004	437779.85	3762910.46	1.16E-03	3.96E-03	1.80E-04	6.47E-04	9.72E-05	3.00E-04
1005	437777.17	3762919.3	1.14E-03	3.88E-03	1.77E-04	6.35E-04	9.54E-05	2.94E-04
1006	437774.49	3762928.14	1.11E-03	3.79E-03	1.73E-04	6.19E-04	9.30E-05	2.87E-04
1007	437771.81	3762936.99	1.08E-03	3.67E-03	1.67E-04	6.00E-04	9.01E-05	2.78E-04
1008	437769.13	3762945.83	1.04E-03	3.54E-03	1.61E-04	5.78E-04	8.69E-05	2.68E-04
1009	437766.45	3762954.67	9.94E-04	3.39E-03	1.55E-04	5.54E-04	8.32E-05	2.57E-04
1010	437763.77	3762963.52	9.47E-04	3.23E-03	1.47E-04	5.28E-04	7.93E-05	2.45E-04
1011	437761.08	3762972.36	8.98E-04	3.06E-03	1.40E-04	5.00E-04	7.52E-05	2.32E-04
1012	437758.4	3762981.2	8.47E-04	2.89E-03	1.32E-04	4.72E-04	7.09E-05	2.19E-04
1013	437795.95	3762847.59	1.15E-03	3.93E-03	1.79E-04	6.42E-04	9.65E-05	2.98E-04
1014	437795.97	3762837.78	1.14E-03	3.89E-03	1.77E-04	6.36E-04	9.56E-05	2.95E-04
1015	437795.98	3762827.97	1.13E-03	3.84E-03	1.75E-04	6.27E-04	9.42E-05	2.91E-04
1016	437794.15	3762929.28	1.01E-03	3.44E-03	1.57E-04	5.62E-04	8.44E-05	2.61E-04
1017	437791.43	3762938.26	9.83E-04	3.35E-03	1.53E-04	5.48E-04	8.23E-05	2.54E-04
1018	437788.71	3762947.24	9.53E-04	3.25E-03	1.48E-04	5.31E-04	7.98E-05	2.46E-04
1019	437785.99	3762956.22	9.19E-04	3.13E-03	1.43E-04	5.12E-04	7.69E-05	2.37E-04
1020	437783.26	3762965.2	8.81E-04	3.00E-03	1.37E-04	4.91E-04	7.38E-05	2.28E-04
1021	437780.54	3762974.18	8.40E-04	2.87E-03	1.31E-04	4.68E-04	7.03E-05	2.17E-04
1022	437777.82	3762983.16	7.98E-04	2.72E-03	1.24E-04	4.44E-04	6.68E-05	2.06E-04
1023	437775.09	3762992.15	7.53E-04	2.57E-03	1.17E-04	4.20E-04	6.30E-05	1.95E-04
1024	437815.95	3762847.62	1.02E-03	3.47E-03	1.58E-04	5.66E-04	8.51E-05	2.63E-04
1025	437815.97	3762837.81	1.01E-03	3.43E-03	1.56E-04	5.60E-04	8.42E-05	2.60E-04
1026	437815.98	3762828	9.89E-04	3.37E-03	1.54E-04	5.51E-04	8.28E-05	2.55E-04
1027	437816	3762818.19	9.68E-04	3.30E-03	1.50E-04	5.39E-04	8.10E-05	2.50E-04
1028	437816.01	3762808.38	9.41E-04	3.21E-03	1.46E-04	5.24E-04	7.88E-05	2.43E-04
1029	437816.03	3762798.57	9.11E-04	3.11E-03	1.41E-04	5.07E-04	7.62E-05	2.35E-04
1030	437816.04	3762788.76	8.77E-04	2.99E-03	1.36E-04	4.88E-04	7.34E-05	2.27E-04
1031	437816.05	3762778.95	8.41E-04	2.87E-03	1.31E-04	4.69E-04	7.04E-05	2.17E-04
1032	437816.07	3762769.15	8.08E-04	2.76E-03	1.26E-04	4.50E-04	6.76E-05	2.09E-04
1033	437816.08	3762759.34	7.74E-04	2.64E-03	1.20E-04	4.31E-04	6.48E-05	2.00E-04
1034	437816.1	3762749.53	7.39E-04	2.52E-03	1.15E-04	4.11E-04	6.18E-05	1.91E-04
1035	437816.11	3762739.72	7.02E-04	2.39E-03	1.09E-04	3.91E-04	5.88E-05	1.81E-04
1036	437816.13	3762729.91	6.65E-04	2.27E-03	1.03E-04	3.70E-04	5.57E-05	1.72E-04

1037	437816.14	3762720.1	6.28E-04	2.14E-03	9.76E-05	3.50E-04	5.26E-05	1.62E-04
1038	437800.06	3762975.8	7.86E-04	2.68E-03	1.22E-04	4.38E-04	6.58E-05	2.03E-04
1039	437797.3	3762984.9	7.50E-04	2.56E-03	1.17E-04	4.18E-04	6.28E-05	1.94E-04
1040	437794.54	3762994	7.12E-04	2.43E-03	1.11E-04	3.97E-04	5.96E-05	1.84E-04
1041	437791.78	3763003.11	6.73E-04	2.29E-03	1.05E-04	3.75E-04	5.63E-05	1.74E-04
1042	437835.95	3762847.65	9.01E-04	3.07E-03	1.40E-04	5.02E-04	7.54E-05	2.33E-04
1043	437835.97	3762837.84	8.90E-04	3.03E-03	1.38E-04	4.96E-04	7.45E-05	2.30E-04
1044	437835.98	3762828.03	8.75E-04	2.98E-03	1.36E-04	4.87E-04	7.32E-05	2.26E-04
1045	437836	3762818.22	8.56E-04	2.92E-03	1.33E-04	4.77E-04	7.16E-05	2.21E-04
1046	437836.01	3762808.41	8.34E-04	2.84E-03	1.30E-04	4.65E-04	6.98E-05	2.15E-04
1047	437836.03	3762798.6	8.09E-04	2.76E-03	1.26E-04	4.51E-04	6.77E-05	2.09E-04
1048	437836.04	3762788.79	7.80E-04	2.66E-03	1.21E-04	4.35E-04	6.53E-05	2.02E-04
1049	437836.05	3762778.98	7.50E-04	2.56E-03	1.16E-04	4.18E-04	6.27E-05	1.94E-04
1050	437836.07	3762769.17	7.22E-04	2.46E-03	1.12E-04	4.02E-04	6.04E-05	1.86E-04
1051	437836.08	3762759.36	6.93E-04	2.36E-03	1.08E-04	3.86E-04	5.80E-05	1.79E-04
1052	437836.1	3762749.56	6.61E-04	2.25E-03	1.03E-04	3.68E-04	5.53E-05	1.71E-04
1053	437836.11	3762739.75	6.29E-04	2.15E-03	9.77E-05	3.50E-04	5.27E-05	1.63E-04
1054	437836.13	3762729.94	5.97E-04	2.04E-03	9.28E-05	3.33E-04	5.00E-05	1.54E-04
1055	437836.14	3762720.13	5.66E-04	1.93E-03	8.79E-05	3.15E-04	4.74E-05	1.46E-04
1056	437844.77	3762894.33	8.54E-04	2.91E-03	1.33E-04	4.75E-04	7.14E-05	2.21E-04
1057	437841.97	3762903.54	8.53E-04	2.91E-03	1.33E-04	4.75E-04	7.14E-05	2.20E-04
1058	437839.18	3762912.76	8.51E-04	2.90E-03	1.32E-04	4.74E-04	7.12E-05	2.20E-04
1059	437836.39	3762921.97	8.45E-04	2.88E-03	1.31E-04	4.71E-04	7.07E-05	2.18E-04
1060	437833.6	3762931.18	8.36E-04	2.85E-03	1.30E-04	4.65E-04	6.99E-05	2.16E-04
1061	437830.8	3762940.39	8.23E-04	2.81E-03	1.28E-04	4.58E-04	6.89E-05	2.13E-04
1062	437828.01	3762949.6	8.06E-04	2.75E-03	1.25E-04	4.49E-04	6.75E-05	2.08E-04
1063	437825.22	3762958.81	7.87E-04	2.68E-03	1.22E-04	4.38E-04	6.59E-05	2.03E-04
1064	437822.42	3762968.02	7.63E-04	2.60E-03	1.19E-04	4.25E-04	6.39E-05	1.97E-04
1065	437819.63	3762977.24	7.36E-04	2.51E-03	1.14E-04	4.10E-04	6.16E-05	1.90E-04
1066	437816.84	3762986.45	7.05E-04	2.40E-03	1.10E-04	3.93E-04	5.90E-05	1.82E-04
1067	437855.95	3762847.68	8.03E-04	2.74E-03	1.25E-04	4.47E-04	6.72E-05	2.08E-04
1068	437855.97	3762837.87	7.92E-04	2.70E-03	1.23E-04	4.41E-04	6.63E-05	2.05E-04
1069	437855.98	3762828.06	7.78E-04	2.65E-03	1.21E-04	4.34E-04	6.51E-05	2.01E-04
1070	437856	3762818.25	7.61E-04	2.60E-03	1.18E-04	4.24E-04	6.37E-05	1.97E-04
1071	437856.01	3762808.44	7.42E-04	2.53E-03	1.15E-04	4.13E-04	6.21E-05	1.92E-04
1072	437856.03	3762798.63	7.21E-04	2.46E-03	1.12E-04	4.02E-04	6.03E-05	1.86E-04
1073	437856.04	3762788.82	6.98E-04	2.38E-03	1.08E-04	3.89E-04	5.84E-05	1.80E-04
1074	437856.05	3762779.01	6.73E-04	2.30E-03	1.05E-04	3.75E-04	5.63E-05	1.74E-04
1075	437856.07	3762769.2	6.47E-04	2.21E-03	1.01E-04	3.61E-04	5.42E-05	1.67E-04
1076	437856.08	3762759.39	6.21E-04	2.12E-03	9.65E-05	3.46E-04	5.20E-05	1.60E-04
1077	437856.1	3762749.58	5.94E-04	2.03E-03	9.23E-05	3.31E-04	4.97E-05	1.53E-04
1078	437856.11	3762739.78	5.67E-04	1.93E-03	8.81E-05	3.16E-04	4.74E-05	1.46E-04
1079	437856.13	3762729.97	5.39E-04	1.84E-03	8.38E-05	3.01E-04	4.52E-05	1.39E-04
1080	437856.14	3762720.16	5.12E-04	1.75E-03	7.96E-05	2.85E-04	4.29E-05	1.32E-04
1081	437874.88	3762894.01	7.32E-04	2.50E-03	1.14E-04	4.08E-04	6.13E-05	1.89E-04
1082	437872.11	3762903.13	7.34E-04	2.50E-03	1.14E-04	4.09E-04	6.15E-05	1.90E-04
1083	437869.35	3762912.25	7.35E-04	2.51E-03	1.14E-04	4.09E-04	6.15E-05	1.90E-04
1084	437866.58	3762921.37	7.33E-04	2.50E-03	1.14E-04	4.08E-04	6.13E-05	1.89E-04
1085	437863.82	3762930.49	7.28E-04	2.48E-03	1.13E-04	4.06E-04	6.09E-05	1.88E-04
1086	437861.05	3762939.6	7.21E-04	2.46E-03	1.12E-04	4.02E-04	6.03E-05	1.86E-04
1087	437858.29	3762948.72	7.11E-04	2.42E-03	1.10E-04	3.96E-04	5.95E-05	1.84E-04
1088	437855.52	3762957.84	6.97E-04	2.38E-03	1.08E-04	3.88E-04	5.84E-05	1.80E-04

1089	437852.76	3762966.96	6.82E-04	2.33E-03	1.06E-04	3.80E-04	5.71E-05	1.76E-04
1090	437849.99	3762976.08	6.65E-04	2.27E-03	1.03E-04	3.71E-04	5.57E-05	1.72E-04
1091	437847.23	3762985.2	6.46E-04	2.20E-03	1.00E-04	3.60E-04	5.41E-05	1.67E-04
1092	437844.46	3762994.32	6.24E-04	2.13E-03	9.70E-05	3.48E-04	5.22E-05	1.61E-04
1093	437841.7	3763003.44	6.00E-04	2.05E-03	9.32E-05	3.34E-04	5.02E-05	1.55E-04
1094	437838.93	3763012.56	5.74E-04	1.96E-03	8.92E-05	3.20E-04	4.81E-05	1.48E-04
1095	437836.17	3763021.68	5.47E-04	1.87E-03	8.51E-05	3.05E-04	4.58E-05	1.41E-04
1096	437833.4	3763030.8	5.20E-04	1.77E-03	8.09E-05	2.90E-04	4.36E-05	1.34E-04
1097	437885.95	3762847.72	6.82E-04	2.33E-03	1.06E-04	3.80E-04	5.71E-05	1.76E-04
1098	437885.97	3762837.91	6.72E-04	2.29E-03	1.04E-04	3.74E-04	5.63E-05	1.74E-04
1099	437885.98	3762828.1	6.60E-04	2.25E-03	1.03E-04	3.68E-04	5.52E-05	1.71E-04
1100	437886	3762818.29	6.46E-04	2.20E-03	1.00E-04	3.60E-04	5.40E-05	1.67E-04
1101	437886.01	3762808.48	6.30E-04	2.15E-03	9.78E-05	3.51E-04	5.27E-05	1.63E-04
1102	437886.03	3762798.67	6.13E-04	2.09E-03	9.52E-05	3.41E-04	5.13E-05	1.58E-04
1103	437886.04	3762788.87	5.94E-04	2.03E-03	9.24E-05	3.31E-04	4.98E-05	1.54E-04
1104	437886.05	3762779.06	5.75E-04	1.96E-03	8.93E-05	3.20E-04	4.81E-05	1.49E-04
1105	437886.07	3762769.25	5.54E-04	1.89E-03	8.61E-05	3.09E-04	4.64E-05	1.43E-04
1106	437886.08	3762759.44	5.33E-04	1.82E-03	8.28E-05	2.97E-04	4.46E-05	1.38E-04
1107	437886.1	3762749.63	5.11E-04	1.74E-03	7.94E-05	2.85E-04	4.28E-05	1.32E-04
1108	437886.11	3762739.82	4.89E-04	1.67E-03	7.60E-05	2.72E-04	4.09E-05	1.26E-04
1109	437886.13	3762730.01	4.67E-04	1.59E-03	7.26E-05	2.60E-04	3.91E-05	1.21E-04
1110	437886.14	3762720.2	4.45E-04	1.52E-03	6.92E-05	2.48E-04	3.73E-05	1.15E-04
1111	437904.97	3762893.75	6.32E-04	2.16E-03	9.82E-05	3.52E-04	5.29E-05	1.63E-04
1112	437902.23	3762902.79	6.37E-04	2.17E-03	9.89E-05	3.55E-04	5.33E-05	1.65E-04
1113	437899.49	3762911.84	6.40E-04	2.18E-03	9.94E-05	3.56E-04	5.35E-05	1.65E-04
1114	437896.74	3762920.88	6.40E-04	2.18E-03	9.95E-05	3.57E-04	5.36E-05	1.65E-04
1115	437872.07	3763002.28	5.56E-04	1.90E-03	8.64E-05	3.10E-04	4.65E-05	1.44E-04
1116	437869.32	3763011.32	5.38E-04	1.83E-03	8.35E-05	2.99E-04	4.50E-05	1.39E-04
1117	437866.58	3763020.37	5.18E-04	1.77E-03	8.05E-05	2.88E-04	4.33E-05	1.34E-04
1118	437915.95	3762847.76	5.85E-04	1.99E-03	9.09E-05	3.26E-04	4.90E-05	1.51E-04
1119	437915.97	3762837.96	5.76E-04	1.96E-03	8.95E-05	3.21E-04	4.82E-05	1.49E-04
1120	437915.98	3762828.15	5.66E-04	1.93E-03	8.79E-05	3.15E-04	4.73E-05	1.46E-04
1121	437916	3762818.34	5.54E-04	1.89E-03	8.60E-05	3.08E-04	4.63E-05	1.43E-04
1122	437916.01	3762808.53	5.40E-04	1.84E-03	8.40E-05	3.01E-04	4.52E-05	1.40E-04
1123	437916.03	3762798.72	5.27E-04	1.80E-03	8.18E-05	2.93E-04	4.41E-05	1.36E-04
1124	437916.04	3762788.91	5.12E-04	1.74E-03	7.95E-05	2.85E-04	4.28E-05	1.32E-04
1125	437916.05	3762779.1	4.96E-04	1.69E-03	7.70E-05	2.76E-04	4.15E-05	1.28E-04
1126	437916.07	3762769.29	4.79E-04	1.63E-03	7.44E-05	2.67E-04	4.01E-05	1.24E-04
1127	437916.08	3762759.48	4.61E-04	1.57E-03	7.17E-05	2.57E-04	3.86E-05	1.19E-04
1128	437916.1	3762749.67	4.44E-04	1.51E-03	6.89E-05	2.47E-04	3.71E-05	1.15E-04
1129	437916.11	3762739.86	4.26E-04	1.45E-03	6.62E-05	2.37E-04	3.57E-05	1.10E-04
1130	437916.13	3762730.05	4.08E-04	1.39E-03	6.34E-05	2.27E-04	3.42E-05	1.05E-04
1131	437916.14	3762720.24	3.90E-04	1.33E-03	6.06E-05	2.17E-04	3.27E-05	1.01E-04
1132	437934.57	3762895.1	5.49E-04	1.87E-03	8.54E-05	3.06E-04	4.60E-05	1.42E-04
1133	437931.73	3762904.48	5.55E-04	1.89E-03	8.62E-05	3.09E-04	4.64E-05	1.43E-04
1134	437928.89	3762913.85	5.59E-04	1.91E-03	8.68E-05	3.11E-04	4.68E-05	1.44E-04
1135	437926.05	3762923.22	5.61E-04	1.91E-03	8.72E-05	3.13E-04	4.70E-05	1.45E-04
1136	437914.68	3762960.71	5.53E-04	1.89E-03	8.59E-05	3.08E-04	4.63E-05	1.43E-04
1137	437911.84	3762970.08	5.46E-04	1.86E-03	8.49E-05	3.04E-04	4.57E-05	1.41E-04
1138	437909	3762979.45	5.38E-04	1.83E-03	8.35E-05	3.00E-04	4.50E-05	1.39E-04
1139	437906.16	3762988.82	5.27E-04	1.80E-03	8.19E-05	2.94E-04	4.41E-05	1.36E-04
1140	437903.32	3762998.19	5.16E-04	1.76E-03	8.02E-05	2.88E-04	4.32E-05	1.33E-04

1141	437900.48	3763007.56	5.04E-04	1.72E-03	7.82E-05	2.81E-04	4.21E-05	1.30E-04
1142	437889.11	3763045.05	4.38E-04	1.49E-03	6.81E-05	2.44E-04	3.67E-05	1.13E-04
1143	437886.27	3763054.42	4.19E-04	1.43E-03	6.51E-05	2.33E-04	3.51E-05	1.08E-04
1144	437883.43	3763063.79	3.99E-04	1.36E-03	6.20E-05	2.22E-04	3.34E-05	1.03E-04
1145	437945.95	3762847.81	5.07E-04	1.73E-03	7.88E-05	2.82E-04	4.24E-05	1.31E-04
1146	437945.97	3762838	4.99E-04	1.70E-03	7.75E-05	2.78E-04	4.18E-05	1.29E-04
1147	437945.98	3762828.19	4.90E-04	1.67E-03	7.61E-05	2.73E-04	4.10E-05	1.27E-04
1148	437946	3762818.38	4.80E-04	1.64E-03	7.45E-05	2.67E-04	4.01E-05	1.24E-04
1149	437946.01	3762808.57	4.69E-04	1.60E-03	7.28E-05	2.61E-04	3.92E-05	1.21E-04
1150	437946.03	3762798.76	4.57E-04	1.56E-03	7.10E-05	2.54E-04	3.82E-05	1.18E-04
1151	437946.04	3762788.95	4.44E-04	1.51E-03	6.90E-05	2.47E-04	3.72E-05	1.15E-04
1152	437946.05	3762779.14	4.31E-04	1.47E-03	6.69E-05	2.40E-04	3.61E-05	1.11E-04
1153	437946.07	3762769.33	4.17E-04	1.42E-03	6.48E-05	2.32E-04	3.49E-05	1.08E-04
1154	437946.08	3762759.53	4.03E-04	1.37E-03	6.26E-05	2.24E-04	3.37E-05	1.04E-04
1155	437946.1	3762749.72	3.88E-04	1.32E-03	6.03E-05	2.16E-04	3.25E-05	1.00E-04
1156	437946.11	3762739.91	3.74E-04	1.27E-03	5.81E-05	2.08E-04	3.13E-05	9.66E-05
1157	437946.13	3762730.1	3.59E-04	1.22E-03	5.58E-05	2.00E-04	3.01E-05	9.28E-05
1158	437946.14	3762720.29	3.45E-04	1.18E-03	5.36E-05	1.92E-04	2.88E-05	8.91E-05
1159	437944.97	3762959.8	4.95E-04	1.69E-03	7.69E-05	2.76E-04	4.14E-05	1.28E-04
1160	437942.16	3762969.08	4.92E-04	1.68E-03	7.65E-05	2.74E-04	4.12E-05	1.27E-04
1161	437939.34	3762978.37	4.87E-04	1.66E-03	7.57E-05	2.72E-04	4.08E-05	1.26E-04
1162	437936.53	3762987.65	4.81E-04	1.64E-03	7.48E-05	2.68E-04	4.03E-05	1.24E-04
1163	437933.71	3762996.94	4.74E-04	1.62E-03	7.36E-05	2.64E-04	3.96E-05	1.22E-04
1164	437930.89	3763006.22	4.65E-04	1.58E-03	7.22E-05	2.59E-04	3.89E-05	1.20E-04
1165	437919.63	3763043.36	4.16E-04	1.42E-03	6.46E-05	2.32E-04	3.48E-05	1.07E-04
1166	437916.82	3763052.65	4.01E-04	1.37E-03	6.23E-05	2.23E-04	3.35E-05	1.04E-04
1167	437914	3763061.93	3.85E-04	1.31E-03	5.98E-05	2.14E-04	3.22E-05	9.95E-05
1168	437911.19	3763071.22	3.69E-04	1.26E-03	5.73E-05	2.05E-04	3.09E-05	9.53E-05
1169	437908.37	3763080.5	3.52E-04	1.20E-03	5.47E-05	1.96E-04	2.95E-05	9.10E-05
1170	437991.97	3762903.76	4.30E-04	1.47E-03	6.68E-05	2.39E-04	3.60E-05	1.11E-04
1171	437989.18	3762912.97	4.35E-04	1.48E-03	6.76E-05	2.42E-04	3.64E-05	1.12E-04
1172	437986.39	3762922.19	4.39E-04	1.50E-03	6.83E-05	2.45E-04	3.68E-05	1.14E-04
1173	437983.6	3762931.4	4.42E-04	1.51E-03	6.87E-05	2.46E-04	3.70E-05	1.14E-04
1174	437980.8	3762940.61	4.44E-04	1.52E-03	6.91E-05	2.48E-04	3.72E-05	1.15E-04
1175	437978.01	3762949.82	4.46E-04	1.52E-03	6.92E-05	2.48E-04	3.73E-05	1.15E-04
1176	437975.22	3762959.03	4.46E-04	1.52E-03	6.92E-05	2.48E-04	3.73E-05	1.15E-04
1177	437950.08	3763041.93	3.90E-04	1.33E-03	6.06E-05	2.17E-04	3.26E-05	1.01E-04
1178	437947.29	3763051.15	3.78E-04	1.29E-03	5.88E-05	2.11E-04	3.17E-05	9.77E-05
1179	437944.49	3763060.36	3.66E-04	1.25E-03	5.69E-05	2.04E-04	3.06E-05	9.46E-05
1180	437941.7	3763069.57	3.53E-04	1.20E-03	5.49E-05	1.97E-04	2.96E-05	9.12E-05
1181	437938.91	3763078.78	3.40E-04	1.16E-03	5.28E-05	1.89E-04	2.84E-05	8.78E-05
1182	437936.12	3763087.99	3.26E-04	1.11E-03	5.07E-05	1.82E-04	2.73E-05	8.42E-05
1183	437933.32	3763097.2	3.12E-04	1.06E-03	4.85E-05	1.74E-04	2.61E-05	8.06E-05
1184	438005.97	3762838.09	3.82E-04	1.30E-03	5.93E-05	2.13E-04	3.19E-05	9.86E-05
1185	438005.98	3762828.28	3.76E-04	1.28E-03	5.84E-05	2.09E-04	3.15E-05	9.72E-05
1186	438006	3762818.47	3.69E-04	1.26E-03	5.74E-05	2.06E-04	3.09E-05	9.54E-05
1187	438006.01	3762808.66	3.61E-04	1.23E-03	5.61E-05	2.01E-04	3.02E-05	9.33E-05
1188	438006.03	3762798.85	3.53E-04	1.20E-03	5.48E-05	1.96E-04	2.95E-05	9.11E-05
1189	438006.04	3762789.04	3.44E-04	1.17E-03	5.34E-05	1.91E-04	2.88E-05	8.88E-05
1190	438006.05	3762779.23	3.34E-04	1.14E-03	5.20E-05	1.86E-04	2.80E-05	8.64E-05
1191	438006.07	3762769.42	3.25E-04	1.11E-03	5.04E-05	1.81E-04	2.72E-05	8.39E-05
1192	438006.08	3762759.61	3.15E-04	1.07E-03	4.89E-05	1.75E-04	2.63E-05	8.13E-05

1193	438006.1	3762749.8	3.05E-04	1.04E-03	4.73E-05	1.70E-04	2.55E-05	7.87E-05
1194	438006.11	3762739.99	2.94E-04	1.00E-03	4.58E-05	1.64E-04	2.46E-05	7.61E-05
1195	438006.13	3762730.18	2.84E-04	9.70E-04	4.42E-05	1.58E-04	2.38E-05	7.35E-05
1196	438006.14	3762720.38	2.74E-04	9.35E-04	4.26E-05	1.53E-04	2.30E-05	7.08E-05
1197	438022.07	3762903.49	3.83E-04	1.31E-03	5.95E-05	2.13E-04	3.21E-05	9.90E-05
1198	438019.3	3762912.64	3.88E-04	1.32E-03	6.04E-05	2.16E-04	3.25E-05	1.00E-04
1199	438016.52	3762921.78	3.93E-04	1.34E-03	6.11E-05	2.19E-04	3.29E-05	1.02E-04
1200	438013.75	3762930.93	3.97E-04	1.35E-03	6.17E-05	2.21E-04	3.32E-05	1.03E-04
1201	438010.98	3762940.08	3.99E-04	1.36E-03	6.21E-05	2.23E-04	3.34E-05	1.03E-04
1202	438008.2	3762949.23	4.01E-04	1.37E-03	6.23E-05	2.23E-04	3.36E-05	1.04E-04
1203	438005.43	3762958.38	4.02E-04	1.37E-03	6.24E-05	2.24E-04	3.36E-05	1.04E-04
1204	438002.66	3762967.52	4.02E-04	1.37E-03	6.24E-05	2.24E-04	3.36E-05	1.04E-04
1205	437999.88	3762976.67	4.01E-04	1.37E-03	6.23E-05	2.23E-04	3.36E-05	1.04E-04
1206	437997.11	3762985.82	3.99E-04	1.36E-03	6.20E-05	2.22E-04	3.34E-05	1.03E-04
1207	437994.33	3762994.97	3.96E-04	1.35E-03	6.15E-05	2.21E-04	3.32E-05	1.02E-04
1208	437991.56	3763004.12	3.92E-04	1.34E-03	6.09E-05	2.18E-04	3.28E-05	1.01E-04
1209	437988.79	3763013.26	3.87E-04	1.32E-03	6.01E-05	2.15E-04	3.24E-05	9.99E-05
1210	437986.01	3763022.41	3.80E-04	1.30E-03	5.91E-05	2.12E-04	3.18E-05	9.83E-05
1211	437983.24	3763031.56	3.72E-04	1.27E-03	5.78E-05	2.07E-04	3.11E-05	9.62E-05
1212	437980.47	3763040.71	3.63E-04	1.24E-03	5.65E-05	2.02E-04	3.04E-05	9.39E-05
1213	437977.69	3763049.85	3.54E-04	1.21E-03	5.50E-05	1.97E-04	2.96E-05	9.15E-05
1214	437974.92	3763059	3.45E-04	1.18E-03	5.36E-05	1.92E-04	2.89E-05	8.91E-05
1215	438035.97	3762838.13	3.40E-04	1.16E-03	5.28E-05	1.89E-04	2.84E-05	8.78E-05
1216	438035.98	3762828.32	3.34E-04	1.14E-03	5.19E-05	1.86E-04	2.80E-05	8.64E-05
1217	438036	3762818.51	3.28E-04	1.12E-03	5.09E-05	1.82E-04	2.74E-05	8.46E-05
1218	438036.01	3762808.7	3.21E-04	1.09E-03	4.98E-05	1.79E-04	2.68E-05	8.29E-05
1219	438036.03	3762798.89	3.13E-04	1.07E-03	4.87E-05	1.75E-04	2.62E-05	8.10E-05
1220	438036.04	3762789.08	3.06E-04	1.04E-03	4.75E-05	1.70E-04	2.56E-05	7.90E-05
1221	438036.05	3762779.27	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.49E-05	7.69E-05
1222	438036.07	3762769.47	2.90E-04	9.87E-04	4.50E-05	1.61E-04	2.42E-05	7.48E-05
1223	438036.08	3762759.66	2.81E-04	9.59E-04	4.37E-05	1.57E-04	2.35E-05	7.26E-05
1224	438036.1	3762749.85	2.73E-04	9.29E-04	4.23E-05	1.52E-04	2.28E-05	7.04E-05
1225	438036.11	3762740.04	2.64E-04	9.00E-04	4.10E-05	1.47E-04	2.21E-05	6.82E-05
1226	438036.13	3762730.23	2.55E-04	8.71E-04	3.97E-05	1.42E-04	2.14E-05	6.60E-05
1227	438036.14	3762720.42	2.47E-04	8.41E-04	3.83E-05	1.37E-04	2.06E-05	6.37E-05
1228	438052.15	3762903.26	3.43E-04	1.17E-03	5.33E-05	1.91E-04	2.87E-05	8.87E-05
1229	438049.4	3762912.35	3.48E-04	1.19E-03	5.41E-05	1.94E-04	2.91E-05	9.00E-05
1230	438046.64	3762921.44	3.52E-04	1.20E-03	5.48E-05	1.96E-04	2.95E-05	9.11E-05
1231	438035.61	3762957.81	3.63E-04	1.24E-03	5.63E-05	2.02E-04	3.04E-05	9.37E-05
1232	438032.86	3762966.9	3.63E-04	1.24E-03	5.65E-05	2.02E-04	3.04E-05	9.39E-05
1233	438030.1	3762976	3.63E-04	1.24E-03	5.65E-05	2.02E-04	3.04E-05	9.39E-05
1234	438027.34	3762985.09	3.63E-04	1.24E-03	5.63E-05	2.02E-04	3.04E-05	9.37E-05
1235	438024.59	3762994.18	3.61E-04	1.23E-03	5.61E-05	2.01E-04	3.02E-05	9.32E-05
1236	438021.83	3763003.27	3.58E-04	1.22E-03	5.57E-05	2.00E-04	3.00E-05	9.26E-05
1237	438019.07	3763012.37	3.55E-04	1.21E-03	5.51E-05	1.98E-04	2.97E-05	9.17E-05
1238	438016.32	3763021.46	3.50E-04	1.20E-03	5.45E-05	1.95E-04	2.93E-05	9.06E-05
1239	438013.56	3763030.55	3.44E-04	1.17E-03	5.35E-05	1.92E-04	2.88E-05	8.89E-05
1240	438010.8	3763039.64	3.37E-04	1.15E-03	5.24E-05	1.88E-04	2.82E-05	8.71E-05
1241	438008.04	3763048.74	3.31E-04	1.13E-03	5.14E-05	1.84E-04	2.77E-05	8.55E-05
1242	438005.29	3763057.83	3.24E-04	1.10E-03	5.03E-05	1.80E-04	2.71E-05	8.36E-05
1243	438002.53	3763066.92	3.16E-04	1.08E-03	4.91E-05	1.76E-04	2.65E-05	8.17E-05
1244	437999.77	3763076.01	3.08E-04	1.05E-03	4.78E-05	1.71E-04	2.58E-05	7.95E-05

1245	437997.02	3763085.11	2.99E-04	1.02E-03	4.65E-05	1.67E-04	2.51E-05	7.74E-05
1246	437994.26	3763094.2	2.91E-04	9.91E-04	4.52E-05	1.62E-04	2.43E-05	7.51E-05
1247	437991.5	3763103.29	2.81E-04	9.60E-04	4.37E-05	1.57E-04	2.36E-05	7.27E-05
1248	437988.75	3763112.38	2.72E-04	9.28E-04	4.23E-05	1.52E-04	2.28E-05	7.03E-05
1249	437985.99	3763121.48	2.62E-04	8.94E-04	4.07E-05	1.46E-04	2.19E-05	6.78E-05
1250	437983.23	3763130.57	2.52E-04	8.60E-04	3.92E-05	1.40E-04	2.11E-05	6.52E-05
1251	438065.97	3762838.17	3.03E-04	1.03E-03	4.71E-05	1.69E-04	2.54E-05	7.84E-05
1252	438065.98	3762828.36	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.50E-05	7.71E-05
1253	438066	3762818.56	2.93E-04	9.97E-04	4.54E-05	1.63E-04	2.45E-05	7.56E-05
1254	438066.01	3762808.75	2.87E-04	9.77E-04	4.45E-05	1.60E-04	2.40E-05	7.40E-05
1255	438066.03	3762798.94	2.80E-04	9.56E-04	4.35E-05	1.56E-04	2.35E-05	7.24E-05
1256	438066.04	3762789.13	2.74E-04	9.33E-04	4.25E-05	1.52E-04	2.29E-05	7.07E-05
1257	438066.05	3762779.32	2.67E-04	9.10E-04	4.15E-05	1.49E-04	2.23E-05	6.89E-05
1258	438066.07	3762769.51	2.60E-04	8.86E-04	4.04E-05	1.45E-04	2.17E-05	6.71E-05
1259	438066.08	3762759.7	2.53E-04	8.61E-04	3.93E-05	1.41E-04	2.11E-05	6.53E-05
1260	438066.1	3762749.89	2.45E-04	8.37E-04	3.81E-05	1.37E-04	2.05E-05	6.34E-05
1261	438066.11	3762740.08	2.38E-04	8.11E-04	3.70E-05	1.33E-04	1.99E-05	6.15E-05
1262	438066.13	3762730.27	2.31E-04	7.86E-04	3.58E-05	1.28E-04	1.93E-05	5.96E-05
1263	438066.14	3762720.46	2.23E-04	7.61E-04	3.47E-05	1.24E-04	1.87E-05	5.77E-05
1264	438081.8	3762904.47	3.09E-04	1.06E-03	4.81E-05	1.72E-04	2.59E-05	7.99E-05
1265	438078.97	3762913.8	3.14E-04	1.07E-03	4.88E-05	1.75E-04	2.63E-05	8.11E-05
1266	438076.14	3762923.12	3.18E-04	1.08E-03	4.94E-05	1.77E-04	2.66E-05	8.21E-05
1267	438067.66	3762951.1	3.26E-04	1.11E-03	5.06E-05	1.81E-04	2.72E-05	8.41E-05
1268	438064.83	3762960.43	3.27E-04	1.11E-03	5.08E-05	1.82E-04	2.74E-05	8.45E-05
1269	438062.01	3762969.76	3.28E-04	1.12E-03	5.09E-05	1.83E-04	2.74E-05	8.47E-05
1270	438059.18	3762979.08	3.28E-04	1.12E-03	5.09E-05	1.83E-04	2.74E-05	8.47E-05
1271	438056.35	3762988.41	3.27E-04	1.12E-03	5.09E-05	1.82E-04	2.74E-05	8.46E-05
1272	438053.52	3762997.73	3.26E-04	1.11E-03	5.07E-05	1.82E-04	2.73E-05	8.44E-05
1273	438050.69	3763007.06	3.25E-04	1.11E-03	5.05E-05	1.81E-04	2.72E-05	8.39E-05
1274	438039.38	3763044.37	3.10E-04	1.06E-03	4.82E-05	1.73E-04	2.60E-05	8.02E-05
1275	438036.55	3763053.69	3.05E-04	1.04E-03	4.74E-05	1.70E-04	2.55E-05	7.87E-05
1276	438033.73	3763063.02	2.99E-04	1.02E-03	4.65E-05	1.67E-04	2.50E-05	7.73E-05
1277	438030.9	3763072.35	2.93E-04	9.98E-04	4.55E-05	1.63E-04	2.45E-05	7.56E-05
1278	438028.07	3763081.67	2.86E-04	9.74E-04	4.44E-05	1.59E-04	2.39E-05	7.38E-05
1279	438025.24	3763091	2.79E-04	9.51E-04	4.33E-05	1.55E-04	2.33E-05	7.21E-05
1280	438022.42	3763100.33	2.71E-04	9.26E-04	4.22E-05	1.51E-04	2.27E-05	7.01E-05
1281	438019.59	3763109.65	2.64E-04	8.99E-04	4.09E-05	1.47E-04	2.21E-05	6.81E-05
1282	438016.76	3763118.98	2.55E-04	8.71E-04	3.97E-05	1.42E-04	2.14E-05	6.60E-05
1283	438013.93	3763128.31	2.47E-04	8.42E-04	3.84E-05	1.38E-04	2.07E-05	6.38E-05
1284	438011.1	3763137.63	2.38E-04	8.12E-04	3.70E-05	1.33E-04	1.99E-05	6.15E-05
1285	438008.28	3763146.96	2.29E-04	7.82E-04	3.56E-05	1.28E-04	1.92E-05	5.93E-05
1286	438095.97	3762838.22	2.72E-04	9.29E-04	4.23E-05	1.52E-04	2.28E-05	7.04E-05
1287	438095.98	3762828.41	2.68E-04	9.13E-04	4.16E-05	1.49E-04	2.24E-05	6.92E-05
1288	438096	3762818.6	2.63E-04	8.96E-04	4.08E-05	1.46E-04	2.20E-05	6.79E-05
1289	438096.01	3762808.79	2.58E-04	8.78E-04	4.00E-05	1.43E-04	2.16E-05	6.66E-05
1290	438096.03	3762798.98	2.52E-04	8.60E-04	3.92E-05	1.40E-04	2.11E-05	6.51E-05
1291	438096.04	3762789.17	2.46E-04	8.40E-04	3.83E-05	1.37E-04	2.06E-05	6.37E-05
1292	438096.05	3762779.36	2.40E-04	8.20E-04	3.74E-05	1.34E-04	2.01E-05	6.21E-05
1293	438096.07	3762769.55	2.34E-04	7.99E-04	3.64E-05	1.31E-04	1.96E-05	6.06E-05
1294	438096.08	3762759.74	2.28E-04	7.78E-04	3.54E-05	1.27E-04	1.91E-05	5.89E-05
1295	438096.1	3762749.93	2.22E-04	7.56E-04	3.45E-05	1.24E-04	1.86E-05	5.73E-05
1296	438096.11	3762740.12	2.16E-04	7.35E-04	3.35E-05	1.20E-04	1.80E-05	5.57E-05

1297	438096.13	3762730.32	2.09E-04	7.13E-04	3.25E-05	1.17E-04	1.75E-05	5.40E-05
1298	438096.14	3762720.51	2.03E-04	6.92E-04	3.15E-05	1.13E-04	1.70E-05	5.24E-05
1299	438111.89	3762904.21	2.79E-04	9.51E-04	4.33E-05	1.55E-04	2.33E-05	7.20E-05
1300	438109.08	3762913.47	2.83E-04	9.65E-04	4.40E-05	1.58E-04	2.37E-05	7.31E-05
1301	438106.27	3762922.74	2.87E-04	9.77E-04	4.45E-05	1.60E-04	2.40E-05	7.41E-05
1302	438097.85	3762950.54	2.95E-04	1.01E-03	4.58E-05	1.64E-04	2.47E-05	7.62E-05
1303	438095.04	3762959.8	2.96E-04	1.01E-03	4.61E-05	1.65E-04	2.48E-05	7.66E-05
1304	438092.23	3762969.07	2.98E-04	1.01E-03	4.62E-05	1.66E-04	2.49E-05	7.69E-05
1305	438089.42	3762978.33	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.50E-05	7.70E-05
1306	438086.61	3762987.6	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.50E-05	7.71E-05
1307	438083.8	3762996.86	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.49E-05	7.70E-05
1308	438080.99	3763006.13	2.97E-04	1.01E-03	4.61E-05	1.65E-04	2.48E-05	7.67E-05
1309	438078.18	3763015.4	2.95E-04	1.01E-03	4.59E-05	1.65E-04	2.47E-05	7.63E-05
1310	438069.75	3763043.19	2.87E-04	9.79E-04	4.46E-05	1.60E-04	2.40E-05	7.42E-05
1311	438066.94	3763052.46	2.84E-04	9.70E-04	4.42E-05	1.58E-04	2.38E-05	7.35E-05
1312	438064.13	3763061.72	2.80E-04	9.56E-04	4.36E-05	1.56E-04	2.35E-05	7.25E-05
1313	438061.32	3763070.99	2.75E-04	9.37E-04	4.27E-05	1.53E-04	2.30E-05	7.10E-05
1314	438058.51	3763080.25	2.70E-04	9.21E-04	4.20E-05	1.50E-04	2.26E-05	6.98E-05
1315	438055.71	3763089.52	2.65E-04	9.02E-04	4.11E-05	1.47E-04	2.21E-05	6.84E-05
1316	438052.9	3763098.79	2.59E-04	8.82E-04	4.02E-05	1.44E-04	2.17E-05	6.68E-05
1317	438125.97	3762838.26	2.46E-04	8.38E-04	3.82E-05	1.37E-04	2.06E-05	6.35E-05
1318	438125.98	3762828.45	2.42E-04	8.24E-04	3.75E-05	1.35E-04	2.02E-05	6.24E-05
1319	438126	3762818.64	2.37E-04	8.08E-04	3.68E-05	1.32E-04	1.98E-05	6.12E-05
1320	438126.01	3762808.83	2.32E-04	7.92E-04	3.61E-05	1.29E-04	1.95E-05	6.00E-05
1321	438126.03	3762799.02	2.28E-04	7.76E-04	3.54E-05	1.27E-04	1.90E-05	5.88E-05
1322	438126.04	3762789.22	2.23E-04	7.59E-04	3.46E-05	1.24E-04	1.86E-05	5.75E-05
1323	438126.05	3762779.41	2.17E-04	7.42E-04	3.38E-05	1.21E-04	1.82E-05	5.62E-05
1324	438126.07	3762769.6	2.12E-04	7.23E-04	3.30E-05	1.18E-04	1.78E-05	5.48E-05
1325	438126.08	3762759.79	2.07E-04	7.05E-04	3.21E-05	1.15E-04	1.73E-05	5.34E-05
1326	438126.1	3762749.98	2.01E-04	6.86E-04	3.13E-05	1.12E-04	1.68E-05	5.20E-05
1327	438126.11	3762740.17	1.96E-04	6.68E-04	3.04E-05	1.09E-04	1.64E-05	5.06E-05
1328	438126.13	3762730.36	1.90E-04	6.49E-04	2.96E-05	1.06E-04	1.59E-05	4.92E-05
1329	438126.14	3762720.55	1.85E-04	6.30E-04	2.87E-05	1.03E-04	1.55E-05	4.78E-05
1330	438141.97	3762903.98	2.52E-04	8.60E-04	3.92E-05	1.40E-04	2.11E-05	6.51E-05
1331	438139.18	3762913.19	2.56E-04	8.74E-04	3.98E-05	1.43E-04	2.14E-05	6.62E-05
1332	438136.39	3762922.4	2.60E-04	8.86E-04	4.04E-05	1.45E-04	2.17E-05	6.71E-05
1333	438116.84	3762986.88	2.73E-04	9.32E-04	4.25E-05	1.52E-04	2.29E-05	7.06E-05
1334	438114.05	3762996.1	2.73E-04	9.32E-04	4.25E-05	1.52E-04	2.29E-05	7.06E-05
1335	438111.25	3763005.31	2.73E-04	9.32E-04	4.25E-05	1.52E-04	2.29E-05	7.06E-05
1336	438108.46	3763014.52	2.72E-04	9.29E-04	4.23E-05	1.52E-04	2.28E-05	7.04E-05
1337	438100.08	3763042.15	2.68E-04	9.13E-04	4.16E-05	1.49E-04	2.24E-05	6.91E-05
1338	438097.29	3763051.36	2.65E-04	9.04E-04	4.12E-05	1.48E-04	2.22E-05	6.85E-05
1339	438094.49	3763060.58	2.62E-04	8.94E-04	4.07E-05	1.46E-04	2.19E-05	6.77E-05
1340	438091.7	3763069.79	2.59E-04	8.82E-04	4.02E-05	1.44E-04	2.16E-05	6.68E-05
1341	438088.91	3763079	2.55E-04	8.68E-04	3.96E-05	1.42E-04	2.13E-05	6.58E-05
1342	438086.12	3763088.21	2.50E-04	8.54E-04	3.89E-05	1.40E-04	2.10E-05	6.47E-05
1343	438083.32	3763097.42	2.46E-04	8.38E-04	3.82E-05	1.37E-04	2.06E-05	6.35E-05
1344	438072.15	3763134.27	2.23E-04	7.61E-04	3.47E-05	1.24E-04	1.87E-05	5.77E-05
1345	438069.36	3763143.48	2.17E-04	7.40E-04	3.37E-05	1.21E-04	1.82E-05	5.60E-05
1346	438066.57	3763152.69	2.10E-04	7.17E-04	3.27E-05	1.17E-04	1.76E-05	5.44E-05
1347	438063.77	3763161.9	2.04E-04	6.95E-04	3.17E-05	1.14E-04	1.71E-05	5.27E-05
1348	438060.98	3763171.11	1.97E-04	6.72E-04	3.06E-05	1.10E-04	1.65E-05	5.09E-05

1349	438058.19	3763180.32	1.91E-04	6.51E-04	2.97E-05	1.06E-04	1.60E-05	4.93E-05
1350	438155.97	3762838.31	2.22E-04	7.57E-04	3.45E-05	1.24E-04	1.86E-05	5.74E-05
1351	438155.98	3762828.5	2.18E-04	7.45E-04	3.39E-05	1.22E-04	1.83E-05	5.64E-05
1352	438156	3762818.69	2.14E-04	7.31E-04	3.33E-05	1.19E-04	1.79E-05	5.54E-05
1353	438156.01	3762808.88	2.10E-04	7.17E-04	3.27E-05	1.17E-04	1.76E-05	5.43E-05
1354	438156.03	3762799.07	2.06E-04	7.03E-04	3.20E-05	1.15E-04	1.72E-05	5.32E-05
1355	438156.04	3762789.26	2.02E-04	6.88E-04	3.13E-05	1.12E-04	1.69E-05	5.21E-05
1356	438156.05	3762779.45	1.97E-04	6.73E-04	3.07E-05	1.10E-04	1.65E-05	5.10E-05
1357	438156.07	3762769.64	1.93E-04	6.57E-04	2.99E-05	1.07E-04	1.61E-05	4.98E-05
1358	438156.08	3762759.83	1.88E-04	6.41E-04	2.92E-05	1.05E-04	1.57E-05	4.86E-05
1359	438156.1	3762750.02	1.83E-04	6.25E-04	2.85E-05	1.02E-04	1.53E-05	4.73E-05
1360	438156.11	3762740.21	1.79E-04	6.09E-04	2.78E-05	9.96E-05	1.50E-05	4.62E-05
1361	438156.13	3762730.4	1.74E-04	5.93E-04	2.70E-05	9.69E-05	1.46E-05	4.49E-05
1362	438156.14	3762720.59	1.69E-04	5.77E-04	2.63E-05	9.42E-05	1.42E-05	4.37E-05
1363	438181.83	3762904.52	2.23E-04	7.59E-04	3.46E-05	1.24E-04	1.86E-05	5.75E-05
1364	438179.01	3762913.83	2.26E-04	7.71E-04	3.51E-05	1.26E-04	1.89E-05	5.84E-05
1365	438176.18	3762923.14	2.29E-04	7.83E-04	3.57E-05	1.28E-04	1.92E-05	5.93E-05
1366	438173.36	3762932.45	2.33E-04	7.93E-04	3.61E-05	1.30E-04	1.95E-05	6.01E-05
1367	438170.54	3762941.76	2.35E-04	8.02E-04	3.66E-05	1.31E-04	1.97E-05	6.08E-05
1368	438167.72	3762951.07	2.38E-04	8.10E-04	3.69E-05	1.32E-04	1.99E-05	6.14E-05
1369	438164.89	3762960.37	2.40E-04	8.18E-04	3.73E-05	1.34E-04	2.01E-05	6.20E-05
1370	438162.07	3762969.68	2.42E-04	8.24E-04	3.75E-05	1.35E-04	2.02E-05	6.24E-05
1371	438159.25	3762978.99	2.43E-04	8.29E-04	3.78E-05	1.35E-04	2.03E-05	6.28E-05
1372	438156.43	3762988.3	2.44E-04	8.33E-04	3.79E-05	1.36E-04	2.04E-05	6.31E-05
1373	438153.6	3762997.61	2.45E-04	8.35E-04	3.81E-05	1.36E-04	2.05E-05	6.33E-05
1374	438150.78	3763006.92	2.45E-04	8.37E-04	3.81E-05	1.37E-04	2.05E-05	6.34E-05
1375	438147.96	3763016.22	2.45E-04	8.37E-04	3.81E-05	1.37E-04	2.05E-05	6.34E-05
1376	438145.14	3763025.53	2.45E-04	8.36E-04	3.81E-05	1.36E-04	2.05E-05	6.33E-05
1377	438142.31	3763034.84	2.44E-04	8.33E-04	3.80E-05	1.36E-04	2.04E-05	6.31E-05
1378	438139.49	3763044.15	2.43E-04	8.29E-04	3.78E-05	1.35E-04	2.04E-05	6.28E-05
1379	438111.27	3763137.23	2.09E-04	7.13E-04	3.25E-05	1.16E-04	1.75E-05	5.40E-05
1380	438108.45	3763146.54	2.04E-04	6.95E-04	3.16E-05	1.13E-04	1.70E-05	5.26E-05
1381	438105.62	3763155.85	1.99E-04	6.79E-04	3.10E-05	1.11E-04	1.67E-05	5.15E-05
1382	438102.8	3763165.16	1.94E-04	6.60E-04	3.01E-05	1.08E-04	1.62E-05	5.00E-05
1383	438099.98	3763174.47	1.88E-04	6.40E-04	2.92E-05	1.05E-04	1.57E-05	4.85E-05
1384	438097.16	3763183.78	1.82E-04	6.20E-04	2.82E-05	1.01E-04	1.52E-05	4.70E-05
1385	438094.34	3763193.08	1.76E-04	5.99E-04	2.73E-05	9.78E-05	1.47E-05	4.54E-05
1386	438091.51	3763202.39	1.69E-04	5.78E-04	2.63E-05	9.44E-05	1.42E-05	4.38E-05
1387	438195.97	3762838.36	1.95E-04	6.66E-04	3.03E-05	1.09E-04	1.63E-05	5.05E-05
1388	438195.98	3762828.55	1.92E-04	6.55E-04	2.98E-05	1.07E-04	1.61E-05	4.96E-05
1389	438196	3762818.74	1.89E-04	6.43E-04	2.93E-05	1.05E-04	1.58E-05	4.87E-05
1390	438196.01	3762808.94	1.85E-04	6.31E-04	2.88E-05	1.03E-04	1.55E-05	4.78E-05
1391	438196.03	3762799.13	1.82E-04	6.19E-04	2.82E-05	1.01E-04	1.52E-05	4.69E-05
1392	438196.04	3762789.32	1.78E-04	6.07E-04	2.77E-05	9.92E-05	1.49E-05	4.60E-05
1393	438196.05	3762779.51	1.74E-04	5.95E-04	2.71E-05	9.72E-05	1.46E-05	4.51E-05
1394	438196.07	3762769.7	1.71E-04	5.81E-04	2.65E-05	9.50E-05	1.43E-05	4.41E-05
1395	438196.08	3762759.89	1.67E-04	5.68E-04	2.59E-05	9.28E-05	1.39E-05	4.30E-05
1396	438196.1	3762750.08	1.63E-04	5.54E-04	2.53E-05	9.06E-05	1.36E-05	4.20E-05
1397	438196.11	3762740.27	1.59E-04	5.41E-04	2.47E-05	8.84E-05	1.33E-05	4.10E-05
1398	438196.13	3762730.46	1.55E-04	5.28E-04	2.41E-05	8.63E-05	1.30E-05	4.00E-05
1399	438196.14	3762720.65	1.51E-04	5.15E-04	2.35E-05	8.41E-05	1.26E-05	3.90E-05
1400	438222.04	3762903.87	1.96E-04	6.70E-04	3.05E-05	1.09E-04	1.64E-05	5.07E-05

1401	438219.26	3762913.04	2.00E-04	6.82E-04	3.11E-05	1.11E-04	1.67E-05	5.17E-05
1402	438216.48	3762922.21	2.03E-04	6.93E-04	3.16E-05	1.13E-04	1.70E-05	5.25E-05
1403	438213.7	3762931.37	2.06E-04	7.02E-04	3.20E-05	1.15E-04	1.72E-05	5.32E-05
1404	438210.93	3762940.54	2.08E-04	7.11E-04	3.24E-05	1.16E-04	1.74E-05	5.39E-05
1405	438208.15	3762949.71	2.11E-04	7.19E-04	3.27E-05	1.17E-04	1.76E-05	5.45E-05
1406	438205.37	3762958.87	2.13E-04	7.26E-04	3.31E-05	1.19E-04	1.78E-05	5.50E-05
1407	438202.59	3762968.04	2.15E-04	7.32E-04	3.34E-05	1.20E-04	1.80E-05	5.55E-05
1408	438199.81	3762977.2	2.16E-04	7.38E-04	3.36E-05	1.21E-04	1.81E-05	5.59E-05
1409	438197.03	3762986.37	2.18E-04	7.42E-04	3.38E-05	1.21E-04	1.82E-05	5.63E-05
1410	438194.25	3762995.54	2.19E-04	7.46E-04	3.40E-05	1.22E-04	1.83E-05	5.65E-05
1411	438191.47	3763004.7	2.20E-04	7.49E-04	3.41E-05	1.22E-04	1.84E-05	5.68E-05
1412	438188.69	3763013.87	2.20E-04	7.51E-04	3.42E-05	1.23E-04	1.84E-05	5.69E-05
1413	438185.91	3763023.04	2.20E-04	7.52E-04	3.42E-05	1.23E-04	1.84E-05	5.70E-05
1414	438183.13	3763032.2	2.20E-04	7.51E-04	3.42E-05	1.23E-04	1.84E-05	5.69E-05
1415	438180.35	3763041.37	2.20E-04	7.50E-04	3.42E-05	1.23E-04	1.84E-05	5.68E-05
1416	438177.57	3763050.54	2.19E-04	7.47E-04	3.41E-05	1.22E-04	1.83E-05	5.66E-05
1417	438174.79	3763059.7	2.18E-04	7.44E-04	3.39E-05	1.22E-04	1.83E-05	5.64E-05
1418	438172.01	3763068.87	2.17E-04	7.40E-04	3.37E-05	1.21E-04	1.82E-05	5.60E-05
1419	438169.24	3763078.04	2.15E-04	7.34E-04	3.34E-05	1.20E-04	1.80E-05	5.56E-05
1420	438166.46	3763087.2	2.13E-04	7.27E-04	3.31E-05	1.19E-04	1.78E-05	5.51E-05
1421	438163.68	3763096.37	2.11E-04	7.18E-04	3.27E-05	1.17E-04	1.76E-05	5.44E-05
1422	438160.9	3763105.54	2.08E-04	7.09E-04	3.23E-05	1.16E-04	1.74E-05	5.37E-05
1423	438158.12	3763114.7	2.05E-04	6.99E-04	3.18E-05	1.14E-04	1.71E-05	5.29E-05
1424	438155.34	3763123.87	2.01E-04	6.86E-04	3.13E-05	1.12E-04	1.68E-05	5.20E-05
1425	438152.56	3763133.03	1.97E-04	6.73E-04	3.07E-05	1.10E-04	1.65E-05	5.10E-05
1426	438149.78	3763142.2	1.93E-04	6.59E-04	3.00E-05	1.08E-04	1.62E-05	4.99E-05
1427	438147	3763151.37	1.90E-04	6.48E-04	2.95E-05	1.06E-04	1.59E-05	4.91E-05
1428	438144.22	3763160.53	1.86E-04	6.34E-04	2.89E-05	1.04E-04	1.56E-05	4.80E-05
1429	438141.44	3763169.7	1.81E-04	6.18E-04	2.82E-05	1.01E-04	1.52E-05	4.69E-05
1430	438138.66	3763178.87	1.77E-04	6.03E-04	2.75E-05	9.85E-05	1.48E-05	4.57E-05
1431	438135.88	3763188.03	1.72E-04	5.87E-04	2.68E-05	9.59E-05	1.44E-05	4.45E-05
1432	438133.1	3763197.2	1.67E-04	5.70E-04	2.60E-05	9.32E-05	1.40E-05	4.32E-05
1433	438130.33	3763206.37	1.62E-04	5.54E-04	2.52E-05	9.05E-05	1.36E-05	4.20E-05
1434	438127.55	3763215.53	1.57E-04	5.37E-04	2.45E-05	8.77E-05	1.32E-05	4.07E-05
1435	438235.97	3762838.42	1.74E-04	5.92E-04	2.70E-05	9.67E-05	1.45E-05	4.49E-05
1436	438235.98	3762828.61	1.71E-04	5.83E-04	2.65E-05	9.52E-05	1.43E-05	4.41E-05
1437	438236	3762818.8	1.68E-04	5.73E-04	2.61E-05	9.35E-05	1.41E-05	4.34E-05
1438	438236.01	3762808.99	1.65E-04	5.62E-04	2.56E-05	9.19E-05	1.38E-05	4.26E-05
1439	438236.02	3762799.18	1.62E-04	5.52E-04	2.51E-05	9.01E-05	1.35E-05	4.18E-05
1440	438236.04	3762789.38	1.59E-04	5.41E-04	2.46E-05	8.84E-05	1.33E-05	4.10E-05
1441	438236.05	3762779.57	1.55E-04	5.30E-04	2.41E-05	8.66E-05	1.30E-05	4.01E-05
1442	438236.07	3762769.76	1.52E-04	5.19E-04	2.36E-05	8.47E-05	1.27E-05	3.93E-05
1443	438236.08	3762759.95	1.49E-04	5.07E-04	2.31E-05	8.28E-05	1.24E-05	3.84E-05
1444	438236.1	3762750.14	1.45E-04	4.96E-04	2.26E-05	8.10E-05	1.22E-05	3.76E-05
1445	438261.91	3762904.37	1.74E-04	5.95E-04	2.71E-05	9.72E-05	1.46E-05	4.51E-05
1446	438259.1	3762913.62	1.77E-04	6.05E-04	2.76E-05	9.88E-05	1.48E-05	4.58E-05
1447	438256.3	3762922.88	1.80E-04	6.14E-04	2.80E-05	1.00E-04	1.51E-05	4.65E-05
1448	438253.49	3762932.13	1.83E-04	6.23E-04	2.84E-05	1.02E-04	1.53E-05	4.72E-05
1449	438250.69	3762941.39	1.85E-04	6.31E-04	2.88E-05	1.03E-04	1.55E-05	4.78E-05
1450	438247.88	3762950.64	1.87E-04	6.39E-04	2.91E-05	1.04E-04	1.57E-05	4.84E-05
1451	438245.07	3762959.9	1.89E-04	6.46E-04	2.94E-05	1.05E-04	1.59E-05	4.89E-05
1452	438242.27	3762969.15	1.91E-04	6.52E-04	2.97E-05	1.07E-04	1.60E-05	4.94E-05

1453	438239.46	3762978.4	1.93E-04	6.58E-04	3.00E-05	1.08E-04	1.62E-05	4.99E-05
1454	438236.66	3762987.66	1.95E-04	6.63E-04	3.02E-05	1.08E-04	1.63E-05	5.03E-05
1455	438233.85	3762996.91	1.96E-04	6.68E-04	3.04E-05	1.09E-04	1.64E-05	5.06E-05
1456	438231.04	3763006.17	1.97E-04	6.71E-04	3.06E-05	1.10E-04	1.65E-05	5.09E-05
1457	438228.24	3763015.42	1.98E-04	6.74E-04	3.07E-05	1.10E-04	1.65E-05	5.11E-05
1458	438225.43	3763024.68	1.98E-04	6.76E-04	3.08E-05	1.10E-04	1.66E-05	5.12E-05
1459	438222.63	3763033.93	1.99E-04	6.78E-04	3.09E-05	1.11E-04	1.66E-05	5.14E-05
1460	438219.82	3763043.18	1.99E-04	6.78E-04	3.09E-05	1.11E-04	1.66E-05	5.14E-05
1461	438217.01	3763052.44	1.99E-04	6.77E-04	3.09E-05	1.11E-04	1.66E-05	5.13E-05
1462	438214.21	3763061.69	1.98E-04	6.76E-04	3.08E-05	1.10E-04	1.66E-05	5.12E-05
1463	438211.4	3763070.95	1.97E-04	6.73E-04	3.07E-05	1.10E-04	1.65E-05	5.10E-05
1464	438208.6	3763080.2	1.96E-04	6.69E-04	3.05E-05	1.09E-04	1.64E-05	5.07E-05
1465	438205.79	3763089.46	1.95E-04	6.64E-04	3.03E-05	1.09E-04	1.63E-05	5.03E-05
1466	438202.98	3763098.71	1.93E-04	6.59E-04	3.00E-05	1.08E-04	1.62E-05	4.99E-05
1467	438200.18	3763107.96	1.91E-04	6.52E-04	2.97E-05	1.06E-04	1.60E-05	4.94E-05
1468	438197.37	3763117.22	1.89E-04	6.44E-04	2.93E-05	1.05E-04	1.58E-05	4.88E-05
1469	438194.57	3763126.47	1.86E-04	6.35E-04	2.89E-05	1.04E-04	1.56E-05	4.81E-05
1470	438191.76	3763135.73	1.83E-04	6.25E-04	2.85E-05	1.02E-04	1.53E-05	4.74E-05
1471	438188.96	3763144.98	1.80E-04	6.15E-04	2.80E-05	1.00E-04	1.51E-05	4.66E-05
1472	438186.15	3763154.24	1.77E-04	6.04E-04	2.75E-05	9.86E-05	1.48E-05	4.57E-05
1473	438183.34	3763163.49	1.74E-04	5.94E-04	2.71E-05	9.71E-05	1.46E-05	4.50E-05
1474	438180.54	3763172.74	1.71E-04	5.82E-04	2.65E-05	9.51E-05	1.43E-05	4.41E-05
1475	438177.73	3763182	1.67E-04	5.69E-04	2.59E-05	9.30E-05	1.40E-05	4.31E-05
1476	438174.93	3763191.25	1.63E-04	5.56E-04	2.53E-05	9.09E-05	1.37E-05	4.22E-05
1477	438172.12	3763200.51	1.59E-04	5.43E-04	2.47E-05	8.87E-05	1.33E-05	4.11E-05
1478	438169.31	3763209.76	1.55E-04	5.29E-04	2.41E-05	8.65E-05	1.30E-05	4.01E-05
1479	438166.51	3763219.01	1.51E-04	5.16E-04	2.35E-05	8.42E-05	1.27E-05	3.91E-05
1480	438163.7	3763228.27	1.47E-04	5.01E-04	2.29E-05	8.19E-05	1.23E-05	3.80E-05
1481	438160.9	3763237.52	1.43E-04	4.87E-04	2.22E-05	7.96E-05	1.20E-05	3.69E-05
1482	438158.09	3763246.78	1.39E-04	4.72E-04	2.15E-05	7.72E-05	1.16E-05	3.58E-05
1483	438275.97	3762838.48	1.55E-04	5.30E-04	2.41E-05	8.66E-05	1.30E-05	4.02E-05
1484	438275.98	3762828.67	1.53E-04	5.23E-04	2.38E-05	8.54E-05	1.28E-05	3.96E-05
1485	438276	3762818.86	1.51E-04	5.15E-04	2.35E-05	8.42E-05	1.26E-05	3.90E-05
1486	438276.01	3762809.05	1.49E-04	5.07E-04	2.31E-05	8.29E-05	1.25E-05	3.84E-05
1487	438276.02	3762799.24	1.46E-04	4.98E-04	2.27E-05	8.14E-05	1.22E-05	3.78E-05
1488	438276.04	3762789.43	1.43E-04	4.89E-04	2.23E-05	7.99E-05	1.20E-05	3.70E-05
1489	438276.05	3762779.62	1.41E-04	4.79E-04	2.18E-05	7.83E-05	1.18E-05	3.63E-05
1490	438276.07	3762769.81	1.38E-04	4.70E-04	2.14E-05	7.67E-05	1.15E-05	3.56E-05
1491	438276.08	3762760.01	1.35E-04	4.60E-04	2.10E-05	7.51E-05	1.13E-05	3.49E-05
1492	438276.1	3762750.2	1.32E-04	4.50E-04	2.05E-05	7.35E-05	1.10E-05	3.41E-05
1493	438301.79	3762904.83	1.57E-04	5.37E-04	2.44E-05	8.77E-05	1.32E-05	4.07E-05
1494	438298.96	3762914.16	1.60E-04	5.45E-04	2.48E-05	8.90E-05	1.34E-05	4.13E-05
1495	438296.13	3762923.5	1.62E-04	5.53E-04	2.52E-05	9.03E-05	1.36E-05	4.19E-05
1496	438293.3	3762932.83	1.64E-04	5.60E-04	2.55E-05	9.15E-05	1.38E-05	4.25E-05
1497	438290.47	3762942.16	1.66E-04	5.67E-04	2.58E-05	9.26E-05	1.39E-05	4.29E-05
1498	438287.64	3762951.5	1.68E-04	5.73E-04	2.61E-05	9.36E-05	1.41E-05	4.34E-05
1499	438284.81	3762960.83	1.70E-04	5.78E-04	2.64E-05	9.45E-05	1.42E-05	4.38E-05
1500	438281.98	3762970.17	1.71E-04	5.84E-04	2.66E-05	9.55E-05	1.43E-05	4.43E-05
1501	438279.15	3762979.5	1.73E-04	5.90E-04	2.69E-05	9.64E-05	1.45E-05	4.47E-05
1502	438276.32	3762988.84	1.75E-04	5.95E-04	2.71E-05	9.73E-05	1.46E-05	4.51E-05
1503	438273.49	3762998.17	1.76E-04	6.00E-04	2.74E-05	9.81E-05	1.47E-05	4.55E-05
1504	438270.66	3763007.5	1.77E-04	6.05E-04	2.76E-05	9.88E-05	1.48E-05	4.58E-05

1505	438267.83	3763016.84	1.78E-04	6.08E-04	2.77E-05	9.94E-05	1.49E-05	4.61E-05
1506	438265	3763026.17	1.79E-04	6.11E-04	2.78E-05	9.98E-05	1.50E-05	4.63E-05
1507	438262.17	3763035.51	1.80E-04	6.13E-04	2.79E-05	1.00E-04	1.50E-05	4.64E-05
1508	438259.34	3763044.84	1.80E-04	6.14E-04	2.80E-05	1.00E-04	1.51E-05	4.65E-05
1509	438256.51	3763054.18	1.80E-04	6.15E-04	2.80E-05	1.00E-04	1.51E-05	4.66E-05
1510	438253.68	3763063.51	1.80E-04	6.14E-04	2.80E-05	1.00E-04	1.51E-05	4.65E-05
1511	438250.85	3763072.84	1.80E-04	6.13E-04	2.79E-05	1.00E-04	1.50E-05	4.65E-05
1512	438248.01	3763082.18	1.79E-04	6.11E-04	2.78E-05	9.98E-05	1.50E-05	4.63E-05
1513	438245.18	3763091.51	1.78E-04	6.08E-04	2.77E-05	9.93E-05	1.49E-05	4.61E-05
1514	438242.35	3763100.85	1.77E-04	6.04E-04	2.75E-05	9.87E-05	1.48E-05	4.58E-05
1515	438239.52	3763110.18	1.76E-04	5.99E-04	2.73E-05	9.79E-05	1.47E-05	4.54E-05
1516	438236.69	3763119.52	1.74E-04	5.94E-04	2.71E-05	9.70E-05	1.46E-05	4.50E-05
1517	438233.86	3763128.85	1.72E-04	5.87E-04	2.68E-05	9.60E-05	1.44E-05	4.45E-05
1518	438231.03	3763138.18	1.70E-04	5.80E-04	2.64E-05	9.48E-05	1.42E-05	4.40E-05
1519	438228.2	3763147.52	1.68E-04	5.72E-04	2.61E-05	9.35E-05	1.40E-05	4.34E-05
1520	438225.37	3763156.85	1.65E-04	5.64E-04	2.57E-05	9.21E-05	1.38E-05	4.27E-05
1521	438222.54	3763166.19	1.63E-04	5.55E-04	2.53E-05	9.06E-05	1.36E-05	4.20E-05
1522	438219.71	3763175.52	1.60E-04	5.45E-04	2.48E-05	8.90E-05	1.34E-05	4.13E-05
1523	438216.88	3763184.86	1.58E-04	5.37E-04	2.45E-05	8.77E-05	1.32E-05	4.07E-05
1524	438214.05	3763194.19	1.54E-04	5.26E-04	2.40E-05	8.60E-05	1.29E-05	3.99E-05
1525	438211.22	3763203.52	1.51E-04	5.15E-04	2.35E-05	8.42E-05	1.26E-05	3.90E-05
1526	438208.39	3763212.86	1.48E-04	5.04E-04	2.30E-05	8.23E-05	1.24E-05	3.82E-05
1527	438205.56	3763222.19	1.44E-04	4.92E-04	2.24E-05	8.04E-05	1.21E-05	3.73E-05
1528	438202.73	3763231.53	1.41E-04	4.80E-04	2.19E-05	7.84E-05	1.18E-05	3.64E-05
1529	438199.9	3763240.86	1.37E-04	4.68E-04	2.13E-05	7.65E-05	1.15E-05	3.55E-05
1530	438197.07	3763250.19	1.33E-04	4.53E-04	2.07E-05	7.41E-05	1.11E-05	3.44E-05
1531	438194.24	3763259.53	1.29E-04	4.41E-04	2.01E-05	7.20E-05	1.08E-05	3.34E-05
1532	438191.41	3763268.86	1.25E-04	4.28E-04	1.95E-05	6.99E-05	1.05E-05	3.24E-05
1533	438315.97	3762838.54	1.40E-04	4.77E-04	2.17E-05	7.79E-05	1.17E-05	3.61E-05
1534	438315.98	3762828.73	1.38E-04	4.71E-04	2.15E-05	7.69E-05	1.16E-05	3.57E-05
1535	438316	3762818.92	1.36E-04	4.65E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
1536	438316.01	3762809.11	1.34E-04	4.57E-04	2.08E-05	7.47E-05	1.12E-05	3.47E-05
1537	438316.02	3762799.3	1.32E-04	4.50E-04	2.05E-05	7.35E-05	1.10E-05	3.41E-05
1538	438316.04	3762789.49	1.29E-04	4.42E-04	2.01E-05	7.21E-05	1.08E-05	3.35E-05
1539	438316.05	3762779.68	1.27E-04	4.33E-04	1.98E-05	7.08E-05	1.06E-05	3.28E-05
1540	438316.07	3762769.87	1.25E-04	4.25E-04	1.94E-05	6.94E-05	1.04E-05	3.22E-05
1541	438316.08	3762760.06	1.22E-04	4.17E-04	1.90E-05	6.81E-05	1.02E-05	3.16E-05
1542	438316.1	3762750.25	1.20E-04	4.08E-04	1.86E-05	6.67E-05	1.00E-05	3.09E-05
1543	438341.97	3762904.27	1.41E-04	4.82E-04	2.20E-05	7.87E-05	1.18E-05	3.65E-05
1544	438339.18	3762913.48	1.44E-04	4.90E-04	2.23E-05	8.01E-05	1.20E-05	3.71E-05
1545	438336.39	3762922.7	1.46E-04	4.98E-04	2.27E-05	8.13E-05	1.22E-05	3.77E-05
1546	438333.6	3762931.91	1.48E-04	5.05E-04	2.30E-05	8.26E-05	1.24E-05	3.83E-05
1547	438330.8	3762941.12	1.50E-04	5.12E-04	2.33E-05	8.36E-05	1.26E-05	3.88E-05
1548	438328.01	3762950.33	1.52E-04	5.18E-04	2.36E-05	8.46E-05	1.27E-05	3.93E-05
1549	438325.22	3762959.54	1.54E-04	5.24E-04	2.39E-05	8.56E-05	1.29E-05	3.97E-05
1550	438322.42	3762968.75	1.55E-04	5.29E-04	2.41E-05	8.64E-05	1.30E-05	4.01E-05
1551	438319.63	3762977.96	1.56E-04	5.33E-04	2.43E-05	8.71E-05	1.31E-05	4.04E-05
1552	438316.84	3762987.17	1.58E-04	5.38E-04	2.45E-05	8.78E-05	1.32E-05	4.07E-05
1553	438314.05	3762996.39	1.59E-04	5.42E-04	2.47E-05	8.85E-05	1.33E-05	4.11E-05
1554	438311.25	3763005.6	1.60E-04	5.46E-04	2.49E-05	8.91E-05	1.34E-05	4.14E-05
1555	438308.46	3763014.81	1.61E-04	5.49E-04	2.50E-05	8.97E-05	1.35E-05	4.16E-05
1556	438305.67	3763024.02	1.62E-04	5.52E-04	2.51E-05	9.01E-05	1.35E-05	4.18E-05

1557	438302.87	3763033.23	1.62E-04	5.54E-04	2.52E-05	9.05E-05	1.36E-05	4.20E-05
1558	438300.08	3763042.44	1.63E-04	5.56E-04	2.53E-05	9.08E-05	1.36E-05	4.21E-05
1559	438297.29	3763051.65	1.63E-04	5.57E-04	2.54E-05	9.10E-05	1.37E-05	4.22E-05
1560	438294.49	3763060.87	1.64E-04	5.59E-04	2.55E-05	9.12E-05	1.37E-05	4.23E-05
1561	438291.7	3763070.08	1.64E-04	5.59E-04	2.55E-05	9.13E-05	1.37E-05	4.24E-05
1562	438288.91	3763079.29	1.64E-04	5.59E-04	2.55E-05	9.13E-05	1.37E-05	4.23E-05
1563	438286.12	3763088.5	1.63E-04	5.57E-04	2.54E-05	9.11E-05	1.37E-05	4.22E-05
1564	438283.32	3763097.71	1.63E-04	5.55E-04	2.53E-05	9.07E-05	1.36E-05	4.21E-05
1565	438280.53	3763106.92	1.62E-04	5.53E-04	2.52E-05	9.03E-05	1.36E-05	4.19E-05
1566	438277.74	3763116.13	1.61E-04	5.50E-04	2.51E-05	8.98E-05	1.35E-05	4.17E-05
1567	438274.94	3763125.35	1.60E-04	5.46E-04	2.49E-05	8.92E-05	1.34E-05	4.14E-05
1568	438272.15	3763134.56	1.59E-04	5.41E-04	2.47E-05	8.84E-05	1.33E-05	4.10E-05
1569	438269.36	3763143.77	1.57E-04	5.36E-04	2.44E-05	8.76E-05	1.32E-05	4.06E-05
1570	438266.56	3763152.98	1.55E-04	5.30E-04	2.42E-05	8.66E-05	1.30E-05	4.02E-05
1571	438263.77	3763162.19	1.54E-04	5.24E-04	2.39E-05	8.55E-05	1.29E-05	3.97E-05
1572	438260.98	3763171.4	1.51E-04	5.17E-04	2.35E-05	8.44E-05	1.27E-05	3.91E-05
1573	438258.19	3763180.61	1.49E-04	5.09E-04	2.32E-05	8.32E-05	1.25E-05	3.86E-05
1574	438255.39	3763189.83	1.47E-04	5.01E-04	2.28E-05	8.18E-05	1.23E-05	3.80E-05
1575	438252.6	3763199.04	1.44E-04	4.92E-04	2.24E-05	8.04E-05	1.21E-05	3.73E-05
1576	438249.81	3763208.25	1.42E-04	4.84E-04	2.20E-05	7.90E-05	1.19E-05	3.66E-05
1577	438247.01	3763217.46	1.39E-04	4.74E-04	2.16E-05	7.75E-05	1.16E-05	3.59E-05
1578	438244.22	3763226.67	1.36E-04	4.65E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
1579	438241.43	3763235.88	1.33E-04	4.55E-04	2.07E-05	7.44E-05	1.12E-05	3.45E-05
1580	438238.64	3763245.09	1.31E-04	4.45E-04	2.03E-05	7.27E-05	1.09E-05	3.37E-05
1581	438235.84	3763254.31	1.28E-04	4.35E-04	1.98E-05	7.11E-05	1.07E-05	3.30E-05
1582	438233.05	3763263.52	1.24E-04	4.24E-04	1.93E-05	6.93E-05	1.04E-05	3.21E-05
1583	438230.26	3763272.73	1.21E-04	4.13E-04	1.88E-05	6.74E-05	1.01E-05	3.13E-05
1584	438227.46	3763281.94	1.18E-04	4.01E-04	1.83E-05	6.55E-05	9.84E-06	3.04E-05
1585	438224.67	3763291.15	1.15E-04	3.91E-04	1.78E-05	6.39E-05	9.61E-06	2.97E-05
1586	438353.71	3762997.55	1.44E-04	4.93E-04	2.24E-05	8.05E-05	1.21E-05	3.73E-05
1587	438350.89	3763006.84	1.46E-04	4.96E-04	2.26E-05	8.11E-05	1.22E-05	3.76E-05
1588	438348.08	3763016.12	1.47E-04	5.00E-04	2.28E-05	8.16E-05	1.23E-05	3.79E-05
1589	438345.26	3763025.41	1.47E-04	5.02E-04	2.29E-05	8.21E-05	1.23E-05	3.81E-05
1590	438342.45	3763034.69	1.48E-04	5.04E-04	2.30E-05	8.24E-05	1.24E-05	3.82E-05
1591	438339.63	3763043.98	1.48E-04	5.06E-04	2.31E-05	8.26E-05	1.24E-05	3.83E-05
1592	438336.82	3763053.26	1.49E-04	5.07E-04	2.31E-05	8.29E-05	1.25E-05	3.84E-05
1593	438334	3763062.55	1.49E-04	5.09E-04	2.32E-05	8.31E-05	1.25E-05	3.86E-05
1594	438331.19	3763071.83	1.50E-04	5.10E-04	2.32E-05	8.33E-05	1.25E-05	3.87E-05
1595	438328.37	3763081.12	1.50E-04	5.11E-04	2.33E-05	8.34E-05	1.25E-05	3.87E-05
1596	438325.56	3763090.4	1.50E-04	5.10E-04	2.32E-05	8.33E-05	1.25E-05	3.87E-05
1597	438322.74	3763099.69	1.49E-04	5.09E-04	2.32E-05	8.31E-05	1.25E-05	3.86E-05
1598	438319.93	3763108.97	1.49E-04	5.07E-04	2.31E-05	8.29E-05	1.24E-05	3.84E-05
1599	438317.11	3763118.26	1.48E-04	5.05E-04	2.30E-05	8.26E-05	1.24E-05	3.83E-05
1600	438314.3	3763127.54	1.48E-04	5.03E-04	2.29E-05	8.22E-05	1.23E-05	3.81E-05
1601	438311.48	3763136.83	1.47E-04	5.00E-04	2.28E-05	8.17E-05	1.23E-05	3.79E-05
1602	438308.67	3763146.11	1.46E-04	4.96E-04	2.26E-05	8.11E-05	1.22E-05	3.76E-05
1603	438305.85	3763155.4	1.44E-04	4.92E-04	2.24E-05	8.03E-05	1.21E-05	3.73E-05
1604	438303.03	3763164.68	1.43E-04	4.86E-04	2.22E-05	7.95E-05	1.19E-05	3.69E-05
1605	438300.22	3763173.97	1.41E-04	4.81E-04	2.19E-05	7.86E-05	1.18E-05	3.64E-05
1606	438297.4	3763183.25	1.40E-04	4.77E-04	2.17E-05	7.79E-05	1.17E-05	3.62E-05
1607	438294.59	3763192.54	1.38E-04	4.71E-04	2.15E-05	7.69E-05	1.16E-05	3.57E-05
1608	438291.77	3763201.82	1.36E-04	4.64E-04	2.12E-05	7.58E-05	1.14E-05	3.52E-05

1609	438288.96	3763211.11	1.34E-04	4.57E-04	2.08E-05	7.47E-05	1.12E-05	3.47E-05
1610	438286.14	3763220.39	1.32E-04	4.50E-04	2.05E-05	7.35E-05	1.10E-05	3.41E-05
1611	438283.33	3763229.68	1.30E-04	4.42E-04	2.02E-05	7.23E-05	1.09E-05	3.35E-05
1612	438280.51	3763238.96	1.27E-04	4.34E-04	1.98E-05	7.10E-05	1.07E-05	3.29E-05
1613	438277.7	3763248.25	1.24E-04	4.24E-04	1.93E-05	6.93E-05	1.04E-05	3.21E-05
1614	438274.88	3763257.53	1.22E-04	4.15E-04	1.89E-05	6.78E-05	1.02E-05	3.15E-05
1615	438272.07	3763266.82	1.19E-04	4.06E-04	1.85E-05	6.63E-05	9.96E-06	3.07E-05
1616	438269.25	3763276.1	1.17E-04	3.98E-04	1.81E-05	6.51E-05	9.77E-06	3.02E-05
1617	438266.44	3763285.39	1.14E-04	3.88E-04	1.77E-05	6.34E-05	9.53E-06	2.94E-05
1618	438263.62	3763294.67	1.11E-04	3.78E-04	1.72E-05	6.18E-05	9.29E-06	2.87E-05
1619	438260.81	3763303.96	1.08E-04	3.68E-04	1.68E-05	6.01E-05	9.03E-06	2.79E-05
1620	438257.99	3763313.24	1.05E-04	3.58E-04	1.63E-05	5.84E-05	8.78E-06	2.71E-05
1621	438395.94	3762858.27	1.18E-04	4.03E-04	1.84E-05	6.58E-05	9.89E-06	3.05E-05
1622	438395.95	3762848.46	1.17E-04	3.98E-04	1.81E-05	6.50E-05	9.76E-06	3.01E-05
1623	438395.97	3762838.65	1.15E-04	3.92E-04	1.79E-05	6.41E-05	9.63E-06	2.97E-05
1624	438395.98	3762828.85	1.14E-04	3.87E-04	1.76E-05	6.33E-05	9.50E-06	2.93E-05
1625	438396	3762819.04	1.12E-04	3.82E-04	1.74E-05	6.24E-05	9.37E-06	2.89E-05
1626	438396.01	3762809.23	1.10E-04	3.76E-04	1.72E-05	6.15E-05	9.24E-06	2.85E-05
1627	438396.02	3762799.42	1.09E-04	3.71E-04	1.69E-05	6.05E-05	9.10E-06	2.81E-05
1628	438396.04	3762789.61	1.07E-04	3.65E-04	1.66E-05	5.96E-05	8.95E-06	2.76E-05
1629	438396.05	3762779.8	1.05E-04	3.59E-04	1.63E-05	5.86E-05	8.80E-06	2.72E-05
1630	438396.07	3762769.99	1.03E-04	3.53E-04	1.61E-05	5.76E-05	8.66E-06	2.67E-05
1631	438396.08	3762760.18	1.02E-04	3.46E-04	1.58E-05	5.66E-05	8.50E-06	2.62E-05
1632	438396.1	3762750.37	9.97E-05	3.40E-04	1.55E-05	5.55E-05	8.35E-06	2.58E-05
1633	438396.11	3762740.56	9.78E-05	3.34E-04	1.52E-05	5.45E-05	8.19E-06	2.53E-05
1634	438396.12	3762730.75	9.59E-05	3.27E-04	1.49E-05	5.34E-05	8.03E-06	2.48E-05
1635	438396.14	3762720.94	9.40E-05	3.21E-04	1.46E-05	5.24E-05	7.87E-06	2.43E-05
1636	438424.6	3762895.74	1.15E-04	3.93E-04	1.79E-05	6.43E-05	9.66E-06	2.98E-05
1637	438421.76	3762905.1	1.17E-04	4.00E-04	1.82E-05	6.53E-05	9.81E-06	3.03E-05
1638	438418.92	3762914.45	1.19E-04	4.06E-04	1.85E-05	6.63E-05	9.96E-06	3.08E-05
1639	438416.09	3762923.8	1.21E-04	4.12E-04	1.88E-05	6.73E-05	1.01E-05	3.12E-05
1640	438413.25	3762933.16	1.23E-04	4.18E-04	1.90E-05	6.83E-05	1.03E-05	3.17E-05
1641	438410.42	3762942.51	1.24E-04	4.23E-04	1.93E-05	6.92E-05	1.04E-05	3.21E-05
1642	438407.58	3762951.86	1.26E-04	4.28E-04	1.95E-05	7.00E-05	1.05E-05	3.25E-05
1643	438404.74	3762961.22	1.27E-04	4.33E-04	1.97E-05	7.08E-05	1.06E-05	3.28E-05
1644	438401.91	3762970.57	1.28E-04	4.38E-04	1.99E-05	7.15E-05	1.07E-05	3.32E-05
1645	438399.07	3762979.92	1.30E-04	4.42E-04	2.01E-05	7.22E-05	1.08E-05	3.35E-05
1646	438396.24	3762989.28	1.31E-04	4.46E-04	2.03E-05	7.28E-05	1.09E-05	3.38E-05
1647	438393.4	3762998.63	1.32E-04	4.49E-04	2.05E-05	7.34E-05	1.10E-05	3.41E-05
1648	438390.56	3763007.98	1.33E-04	4.53E-04	2.06E-05	7.40E-05	1.11E-05	3.43E-05
1649	438387.73	3763017.33	1.34E-04	4.56E-04	2.08E-05	7.45E-05	1.12E-05	3.46E-05
1650	438384.89	3763026.69	1.35E-04	4.59E-04	2.09E-05	7.50E-05	1.13E-05	3.48E-05
1651	438353.7	3763129.57	1.36E-04	4.65E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
1652	438350.86	3763138.93	1.36E-04	4.63E-04	2.11E-05	7.56E-05	1.14E-05	3.51E-05
1653	438348.03	3763148.28	1.35E-04	4.60E-04	2.10E-05	7.51E-05	1.13E-05	3.48E-05
1654	438345.19	3763157.63	1.34E-04	4.56E-04	2.08E-05	7.45E-05	1.12E-05	3.46E-05
1655	438342.35	3763166.99	1.33E-04	4.54E-04	2.07E-05	7.42E-05	1.11E-05	3.44E-05
1656	438339.52	3763176.34	1.32E-04	4.50E-04	2.05E-05	7.35E-05	1.10E-05	3.41E-05
1657	438336.68	3763185.69	1.31E-04	4.46E-04	2.03E-05	7.28E-05	1.09E-05	3.38E-05
1658	438333.85	3763195.04	1.29E-04	4.41E-04	2.01E-05	7.21E-05	1.08E-05	3.34E-05
1659	438331.01	3763204.4	1.28E-04	4.36E-04	1.99E-05	7.12E-05	1.07E-05	3.30E-05
1660	438328.17	3763213.75	1.26E-04	4.31E-04	1.96E-05	7.04E-05	1.06E-05	3.26E-05

1661	438325.34	3763223.1	1.25E-04	4.25E-04	1.94E-05	6.94E-05	1.04E-05	3.22E-05
1662	438322.5	3763232.46	1.22E-04	4.17E-04	1.90E-05	6.81E-05	1.02E-05	3.16E-05
1663	438319.67	3763241.81	1.20E-04	4.11E-04	1.87E-05	6.71E-05	1.01E-05	3.11E-05
1664	438316.83	3763251.16	1.18E-04	4.04E-04	1.84E-05	6.59E-05	9.91E-06	3.06E-05
1665	438313.99	3763260.52	1.16E-04	3.96E-04	1.81E-05	6.48E-05	9.73E-06	3.00E-05
1666	438311.16	3763269.87	1.14E-04	3.89E-04	1.77E-05	6.35E-05	9.54E-06	2.95E-05
1667	438308.32	3763279.22	1.12E-04	3.81E-04	1.73E-05	6.22E-05	9.34E-06	2.88E-05
1668	438305.49	3763288.58	1.09E-04	3.72E-04	1.70E-05	6.08E-05	9.14E-06	2.82E-05
1669	438302.65	3763297.93	1.07E-04	3.64E-04	1.66E-05	5.94E-05	8.92E-06	2.75E-05
1670	438299.82	3763307.28	1.05E-04	3.57E-04	1.62E-05	5.83E-05	8.75E-06	2.70E-05
1671	438296.98	3763316.64	1.02E-04	3.48E-04	1.58E-05	5.68E-05	8.53E-06	2.63E-05
1672	438294.14	3763325.99	9.93E-05	3.39E-04	1.54E-05	5.53E-05	8.31E-06	2.57E-05
1673	438291.31	3763335.34	9.66E-05	3.30E-04	1.50E-05	5.38E-05	8.09E-06	2.50E-05
1674	438435.94	3762858.33	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.01E-06	2.78E-05
1675	438435.95	3762848.52	1.06E-04	3.63E-04	1.65E-05	5.93E-05	8.90E-06	2.75E-05
1676	438435.97	3762838.71	1.05E-04	3.58E-04	1.63E-05	5.85E-05	8.79E-06	2.71E-05
1677	438435.98	3762828.9	1.04E-04	3.54E-04	1.61E-05	5.78E-05	8.68E-06	2.68E-05
1678	438436	3762819.09	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.56E-06	2.64E-05
1679	438436.01	3762809.29	1.01E-04	3.44E-04	1.57E-05	5.62E-05	8.44E-06	2.61E-05
1680	438436.02	3762799.48	9.95E-05	3.39E-04	1.55E-05	5.54E-05	8.32E-06	2.57E-05
1681	438436.04	3762789.67	9.80E-05	3.34E-04	1.52E-05	5.46E-05	8.21E-06	2.53E-05
1682	438436.05	3762779.86	9.65E-05	3.29E-04	1.50E-05	5.37E-05	8.07E-06	2.49E-05
1683	438436.07	3762770.05	9.49E-05	3.23E-04	1.47E-05	5.28E-05	7.94E-06	2.45E-05
1684	438436.08	3762760.24	9.32E-05	3.18E-04	1.45E-05	5.19E-05	7.80E-06	2.41E-05
1685	438436.1	3762750.43	9.16E-05	3.12E-04	1.42E-05	5.10E-05	7.67E-06	2.37E-05
1686	438436.11	3762740.62	9.00E-05	3.07E-04	1.40E-05	5.01E-05	7.53E-06	2.32E-05
1687	438436.12	3762730.81	8.83E-05	3.01E-04	1.37E-05	4.92E-05	7.39E-06	2.28E-05
1688	438436.14	3762721	8.66E-05	2.95E-04	1.35E-05	4.82E-05	7.25E-06	2.24E-05
1689	438464.73	3762895.37	1.05E-04	3.58E-04	1.63E-05	5.84E-05	8.78E-06	2.71E-05
1690	438461.92	3762904.61	1.07E-04	3.63E-04	1.66E-05	5.94E-05	8.92E-06	2.75E-05
1691	438459.12	3762913.86	1.08E-04	3.69E-04	1.68E-05	6.03E-05	9.06E-06	2.80E-05
1692	438456.32	3762923.1	1.10E-04	3.74E-04	1.71E-05	6.12E-05	9.19E-06	2.84E-05
1693	438453.51	3762932.35	1.11E-04	3.80E-04	1.73E-05	6.20E-05	9.32E-06	2.88E-05
1694	438450.71	3762941.59	1.13E-04	3.85E-04	1.75E-05	6.28E-05	9.44E-06	2.91E-05
1695	438447.91	3762950.84	1.14E-04	3.89E-04	1.77E-05	6.36E-05	9.56E-06	2.95E-05
1696	438445.1	3762960.08	1.16E-04	3.94E-04	1.80E-05	6.44E-05	9.68E-06	2.99E-05
1697	438442.3	3762969.33	1.17E-04	3.98E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
1698	438439.5	3762978.57	1.18E-04	4.03E-04	1.83E-05	6.58E-05	9.88E-06	3.05E-05
1699	438436.7	3762987.82	1.19E-04	4.06E-04	1.85E-05	6.64E-05	9.98E-06	3.08E-05
1700	438433.89	3762997.06	1.20E-04	4.10E-04	1.87E-05	6.70E-05	1.01E-05	3.11E-05
1701	438431.09	3763006.31	1.21E-04	4.14E-04	1.89E-05	6.76E-05	1.02E-05	3.14E-05
1702	438428.29	3763015.55	1.22E-04	4.17E-04	1.90E-05	6.81E-05	1.02E-05	3.16E-05
1703	438425.48	3763024.8	1.23E-04	4.20E-04	1.91E-05	6.86E-05	1.03E-05	3.18E-05
1704	438422.68	3763034.04	1.24E-04	4.22E-04	1.92E-05	6.90E-05	1.04E-05	3.20E-05
1705	438419.88	3763043.29	1.24E-04	4.24E-04	1.93E-05	6.93E-05	1.04E-05	3.21E-05
1706	438417.07	3763052.53	1.25E-04	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
1707	438414.27	3763061.78	1.25E-04	4.28E-04	1.95E-05	6.99E-05	1.05E-05	3.24E-05
1708	438411.47	3763071.02	1.26E-04	4.29E-04	1.96E-05	7.01E-05	1.05E-05	3.25E-05
1709	438408.66	3763080.27	1.26E-04	4.30E-04	1.96E-05	7.03E-05	1.06E-05	3.26E-05
1710	438405.86	3763089.51	1.26E-04	4.31E-04	1.96E-05	7.04E-05	1.06E-05	3.27E-05
1711	438403.06	3763098.76	1.27E-04	4.32E-04	1.97E-05	7.05E-05	1.06E-05	3.27E-05
1712	438400.26	3763108	1.27E-04	4.32E-04	1.97E-05	7.05E-05	1.06E-05	3.27E-05

1713	438397.45	3763117.25	1.27E-04	4.32E-04	1.97E-05	7.05E-05	1.06E-05	3.27E-05
1714	438394.65	3763126.49	1.27E-04	4.31E-04	1.97E-05	7.05E-05	1.06E-05	3.27E-05
1715	438391.85	3763135.74	1.26E-04	4.31E-04	1.96E-05	7.04E-05	1.06E-05	3.26E-05
1716	438389.04	3763144.98	1.26E-04	4.30E-04	1.96E-05	7.02E-05	1.05E-05	3.26E-05
1717	438386.24	3763154.23	1.25E-04	4.28E-04	1.95E-05	6.99E-05	1.05E-05	3.24E-05
1718	438352.6	3763265.17	1.10E-04	3.77E-04	1.72E-05	6.15E-05	9.24E-06	2.85E-05
1719	438349.8	3763274.41	1.09E-04	3.70E-04	1.69E-05	6.05E-05	9.09E-06	2.81E-05
1720	438347	3763283.66	1.07E-04	3.64E-04	1.66E-05	5.94E-05	8.93E-06	2.76E-05
1721	438344.19	3763292.9	1.05E-04	3.57E-04	1.63E-05	5.83E-05	8.75E-06	2.70E-05
1722	438341.39	3763302.15	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.65E-05
1723	438338.59	3763311.39	1.00E-04	3.42E-04	1.56E-05	5.58E-05	8.39E-06	2.59E-05
1724	438335.78	3763320.64	9.79E-05	3.34E-04	1.52E-05	5.46E-05	8.20E-06	2.53E-05
1725	438332.98	3763329.88	9.62E-05	3.28E-04	1.49E-05	5.36E-05	8.05E-06	2.49E-05
1726	438330.18	3763339.13	9.39E-05	3.20E-04	1.46E-05	5.23E-05	7.86E-06	2.43E-05
1727	438327.37	3763348.37	9.15E-05	3.12E-04	1.42E-05	5.10E-05	7.66E-06	2.37E-05
1728	438324.57	3763357.62	8.92E-05	3.04E-04	1.39E-05	4.97E-05	7.47E-06	2.31E-05
1729	438475.94	3762858.39	9.87E-05	3.36E-04	1.53E-05	5.50E-05	8.26E-06	2.55E-05
1730	438475.95	3762848.58	9.77E-05	3.33E-04	1.52E-05	5.44E-05	8.18E-06	2.52E-05
1731	438475.97	3762838.77	9.67E-05	3.30E-04	1.50E-05	5.39E-05	8.09E-06	2.50E-05
1732	438475.98	3762828.96	9.56E-05	3.26E-04	1.48E-05	5.32E-05	8.00E-06	2.47E-05
1733	438476	3762819.15	9.43E-05	3.21E-04	1.46E-05	5.25E-05	7.89E-06	2.44E-05
1734	438476.01	3762809.34	9.30E-05	3.17E-04	1.44E-05	5.18E-05	7.78E-06	2.40E-05
1735	438476.02	3762799.53	9.16E-05	3.12E-04	1.42E-05	5.10E-05	7.67E-06	2.37E-05
1736	438476.04	3762789.72	9.02E-05	3.08E-04	1.40E-05	5.03E-05	7.55E-06	2.33E-05
1737	438476.05	3762779.92	8.88E-05	3.03E-04	1.38E-05	4.95E-05	7.43E-06	2.30E-05
1738	438476.07	3762770.11	8.74E-05	2.98E-04	1.36E-05	4.87E-05	7.31E-06	2.26E-05
1739	438476.08	3762760.3	8.59E-05	2.93E-04	1.34E-05	4.79E-05	7.19E-06	2.22E-05
1740	438476.1	3762750.49	8.44E-05	2.88E-04	1.31E-05	4.70E-05	7.07E-06	2.18E-05
1741	438476.11	3762740.68	8.30E-05	2.83E-04	1.29E-05	4.62E-05	6.95E-06	2.14E-05
1742	438476.12	3762730.87	8.15E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.11E-05
1743	438476.14	3762721.06	8.00E-05	2.73E-04	1.24E-05	4.46E-05	6.70E-06	2.07E-05
1744	438504.65	3762895.68	9.62E-05	3.28E-04	1.50E-05	5.36E-05	8.05E-06	2.49E-05
1745	438501.83	3762904.99	9.76E-05	3.33E-04	1.52E-05	5.44E-05	8.17E-06	2.52E-05
1746	438499	3762914.3	9.91E-05	3.38E-04	1.54E-05	5.52E-05	8.30E-06	2.56E-05
1747	438496.18	3762923.61	1.01E-04	3.43E-04	1.56E-05	5.60E-05	8.42E-06	2.60E-05
1748	438493.36	3762932.92	1.02E-04	3.48E-04	1.59E-05	5.68E-05	8.54E-06	2.64E-05
1749	438490.54	3762942.22	1.03E-04	3.53E-04	1.61E-05	5.76E-05	8.65E-06	2.67E-05
1750	438487.72	3762951.53	1.05E-04	3.57E-04	1.63E-05	5.83E-05	8.76E-06	2.71E-05
1751	438484.89	3762960.84	1.06E-04	3.61E-04	1.65E-05	5.90E-05	8.87E-06	2.74E-05
1752	438482.07	3762970.15	1.07E-04	3.65E-04	1.66E-05	5.97E-05	8.96E-06	2.77E-05
1753	438479.25	3762979.46	1.08E-04	3.69E-04	1.68E-05	6.02E-05	9.05E-06	2.79E-05
1754	438476.43	3762988.77	1.09E-04	3.72E-04	1.70E-05	6.08E-05	9.13E-06	2.82E-05
1755	438473.6	3762998.07	1.10E-04	3.75E-04	1.71E-05	6.13E-05	9.21E-06	2.84E-05
1756	438470.78	3763007.38	1.11E-04	3.79E-04	1.73E-05	6.19E-05	9.29E-06	2.87E-05
1757	438467.96	3763016.69	1.12E-04	3.82E-04	1.74E-05	6.24E-05	9.37E-06	2.89E-05
1758	438465.14	3763026	1.13E-04	3.85E-04	1.75E-05	6.29E-05	9.45E-06	2.92E-05
1759	438462.31	3763035.31	1.14E-04	3.88E-04	1.77E-05	6.33E-05	9.52E-06	2.94E-05
1760	438459.49	3763044.62	1.14E-04	3.90E-04	1.78E-05	6.37E-05	9.57E-06	2.96E-05
1761	438456.67	3763053.92	1.15E-04	3.92E-04	1.79E-05	6.41E-05	9.63E-06	2.97E-05
1762	438453.85	3763063.23	1.16E-04	3.94E-04	1.80E-05	6.44E-05	9.67E-06	2.99E-05
1763	438451.03	3763072.54	1.16E-04	3.96E-04	1.80E-05	6.46E-05	9.71E-06	3.00E-05
1764	438448.2	3763081.85	1.16E-04	3.97E-04	1.81E-05	6.49E-05	9.74E-06	3.01E-05

1765	438445.38	3763091.16	1.17E-04	3.98E-04	1.81E-05	6.50E-05	9.77E-06	3.02E-05
1766	438442.56	3763100.47	1.17E-04	3.99E-04	1.82E-05	6.52E-05	9.79E-06	3.02E-05
1767	438439.74	3763109.77	1.17E-04	3.99E-04	1.82E-05	6.52E-05	9.80E-06	3.03E-05
1768	438436.91	3763119.08	1.17E-04	4.00E-04	1.82E-05	6.53E-05	9.81E-06	3.03E-05
1769	438434.09	3763128.39	1.17E-04	4.00E-04	1.82E-05	6.53E-05	9.81E-06	3.03E-05
1770	438431.27	3763137.7	1.17E-04	4.00E-04	1.82E-05	6.53E-05	9.81E-06	3.03E-05
1771	438428.45	3763147.01	1.17E-04	3.99E-04	1.82E-05	6.52E-05	9.80E-06	3.02E-05
1772	438425.62	3763156.32	1.17E-04	3.98E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
1773	438422.8	3763165.62	1.17E-04	3.97E-04	1.81E-05	6.49E-05	9.75E-06	3.01E-05
1774	438419.98	3763174.93	1.16E-04	3.96E-04	1.80E-05	6.46E-05	9.71E-06	3.00E-05
1775	438417.16	3763184.24	1.15E-04	3.93E-04	1.79E-05	6.42E-05	9.65E-06	2.98E-05
1776	438414.33	3763193.55	1.14E-04	3.90E-04	1.78E-05	6.37E-05	9.58E-06	2.96E-05
1777	438411.51	3763202.86	1.14E-04	3.87E-04	1.76E-05	6.32E-05	9.50E-06	2.93E-05
1778	438408.69	3763212.17	1.13E-04	3.84E-04	1.75E-05	6.27E-05	9.42E-06	2.91E-05
1779	438405.87	3763221.48	1.11E-04	3.80E-04	1.73E-05	6.21E-05	9.33E-06	2.88E-05
1780	438403.05	3763230.78	1.10E-04	3.76E-04	1.71E-05	6.14E-05	9.23E-06	2.85E-05
1781	438400.22	3763240.09	1.09E-04	3.72E-04	1.70E-05	6.08E-05	9.14E-06	2.82E-05
1782	438397.4	3763249.4	1.08E-04	3.68E-04	1.68E-05	6.01E-05	9.04E-06	2.79E-05
1783	438394.58	3763258.71	1.07E-04	3.64E-04	1.66E-05	5.94E-05	8.93E-06	2.76E-05
1784	438391.76	3763268.02	1.05E-04	3.59E-04	1.63E-05	5.86E-05	8.80E-06	2.72E-05
1785	438388.93	3763277.33	1.04E-04	3.53E-04	1.61E-05	5.77E-05	8.67E-06	2.68E-05
1786	438515.94	3762858.45	9.07E-05	3.09E-04	1.41E-05	5.05E-05	7.60E-06	2.34E-05
1787	438515.95	3762848.64	8.99E-05	3.06E-04	1.40E-05	5.01E-05	7.52E-06	2.32E-05
1788	438515.97	3762838.83	8.90E-05	3.03E-04	1.38E-05	4.96E-05	7.45E-06	2.30E-05
1789	438515.98	3762829.02	8.80E-05	3.00E-04	1.37E-05	4.90E-05	7.36E-06	2.27E-05
1790	438516	3762819.21	8.68E-05	2.96E-04	1.35E-05	4.84E-05	7.27E-06	2.24E-05
1791	438516.01	3762809.4	8.57E-05	2.92E-04	1.33E-05	4.77E-05	7.17E-06	2.21E-05
1792	438516.02	3762799.59	8.45E-05	2.88E-04	1.31E-05	4.71E-05	7.07E-06	2.18E-05
1793	438516.04	3762789.78	8.33E-05	2.84E-04	1.29E-05	4.64E-05	6.97E-06	2.15E-05
1794	438516.05	3762779.97	8.20E-05	2.80E-04	1.27E-05	4.57E-05	6.87E-06	2.12E-05
1795	438516.07	3762770.16	8.08E-05	2.75E-04	1.25E-05	4.50E-05	6.76E-06	2.09E-05
1796	438516.08	3762760.36	7.95E-05	2.71E-04	1.23E-05	4.43E-05	6.65E-06	2.05E-05
1797	438516.1	3762750.55	7.82E-05	2.67E-04	1.21E-05	4.35E-05	6.54E-06	2.02E-05
1798	438516.11	3762740.74	7.69E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.99E-05
1799	438516.12	3762730.93	7.55E-05	2.58E-04	1.17E-05	4.21E-05	6.32E-06	1.95E-05
1800	438516.14	3762721.12	7.42E-05	2.53E-04	1.15E-05	4.13E-05	6.21E-06	1.92E-05
1801	438544.58	3762895.98	8.85E-05	3.02E-04	1.37E-05	4.93E-05	7.41E-06	2.29E-05
1802	438541.74	3762905.34	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
1803	438538.9	3762914.71	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
1804	438536.06	3762924.08	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.72E-06	2.38E-05
1805	438533.22	3762933.45	9.36E-05	3.19E-04	1.45E-05	5.21E-05	7.83E-06	2.42E-05
1806	438530.38	3762942.81	9.49E-05	3.24E-04	1.47E-05	5.29E-05	7.94E-06	2.45E-05
1807	438527.54	3762952.18	9.61E-05	3.28E-04	1.49E-05	5.36E-05	8.05E-06	2.48E-05
1808	438524.7	3762961.55	9.73E-05	3.32E-04	1.51E-05	5.42E-05	8.15E-06	2.51E-05
1809	438521.86	3762970.92	9.84E-05	3.35E-04	1.53E-05	5.48E-05	8.23E-06	2.54E-05
1810	438519.02	3762980.28	9.93E-05	3.39E-04	1.54E-05	5.53E-05	8.31E-06	2.57E-05
1811	438516.18	3762989.65	1.00E-04	3.42E-04	1.56E-05	5.59E-05	8.39E-06	2.59E-05
1812	438513.33	3762999.02	1.01E-04	3.45E-04	1.57E-05	5.64E-05	8.47E-06	2.62E-05
1813	438510.49	3763008.39	1.02E-04	3.48E-04	1.59E-05	5.69E-05	8.55E-06	2.64E-05
1814	438507.65	3763017.75	1.03E-04	3.51E-04	1.60E-05	5.73E-05	8.62E-06	2.66E-05
1815	438504.81	3763027.12	1.04E-04	3.54E-04	1.61E-05	5.78E-05	8.69E-06	2.68E-05
1816	438501.97	3763036.49	1.05E-04	3.57E-04	1.63E-05	5.83E-05	8.76E-06	2.71E-05

1817	438499.13	3763045.86	1.05E-04	3.60E-04	1.64E-05	5.88E-05	8.83E-06	2.73E-05
1818	438496.29	3763055.22	1.06E-04	3.62E-04	1.65E-05	5.91E-05	8.89E-06	2.74E-05
1819	438493.45	3763064.59	1.07E-04	3.64E-04	1.66E-05	5.95E-05	8.93E-06	2.76E-05
1820	438490.61	3763073.96	1.07E-04	3.66E-04	1.67E-05	5.97E-05	8.98E-06	2.77E-05
1821	438487.77	3763083.33	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.01E-06	2.78E-05
1822	438484.93	3763092.7	1.08E-04	3.68E-04	1.68E-05	6.02E-05	9.04E-06	2.79E-05
1823	438482.09	3763102.06	1.08E-04	3.69E-04	1.68E-05	6.03E-05	9.07E-06	2.80E-05
1824	438479.25	3763111.43	1.09E-04	3.70E-04	1.69E-05	6.04E-05	9.08E-06	2.80E-05
1825	438476.41	3763120.8	1.09E-04	3.70E-04	1.69E-05	6.05E-05	9.09E-06	2.81E-05
1826	438473.57	3763130.17	1.09E-04	3.70E-04	1.69E-05	6.05E-05	9.09E-06	2.81E-05
1827	438470.73	3763139.53	1.09E-04	3.70E-04	1.69E-05	6.04E-05	9.08E-06	2.80E-05
1828	438467.89	3763148.9	1.08E-04	3.70E-04	1.69E-05	6.04E-05	9.08E-06	2.80E-05
1829	438465.05	3763158.27	1.08E-04	3.70E-04	1.68E-05	6.04E-05	9.07E-06	2.80E-05
1830	438462.21	3763167.64	1.08E-04	3.69E-04	1.68E-05	6.03E-05	9.06E-06	2.80E-05
1831	438459.37	3763177	1.08E-04	3.68E-04	1.68E-05	6.01E-05	9.03E-06	2.79E-05
1832	438456.53	3763186.37	1.07E-04	3.66E-04	1.67E-05	5.98E-05	8.99E-06	2.78E-05
1833	438453.69	3763195.74	1.07E-04	3.64E-04	1.66E-05	5.95E-05	8.94E-06	2.76E-05
1834	438450.85	3763205.11	1.06E-04	3.62E-04	1.65E-05	5.92E-05	8.89E-06	2.75E-05
1835	438448.01	3763214.47	1.06E-04	3.60E-04	1.64E-05	5.88E-05	8.84E-06	2.73E-05
1836	438445.17	3763223.84	1.05E-04	3.57E-04	1.63E-05	5.84E-05	8.77E-06	2.71E-05
1837	438442.33	3763233.21	1.04E-04	3.54E-04	1.61E-05	5.79E-05	8.70E-06	2.69E-05
1838	438439.49	3763242.58	1.03E-04	3.51E-04	1.60E-05	5.74E-05	8.62E-06	2.66E-05
1839	438436.65	3763251.94	1.02E-04	3.48E-04	1.58E-05	5.68E-05	8.54E-06	2.64E-05
1840	438433.81	3763261.31	1.01E-04	3.44E-04	1.57E-05	5.62E-05	8.45E-06	2.61E-05
1841	438430.97	3763270.68	9.97E-05	3.40E-04	1.55E-05	5.55E-05	8.35E-06	2.58E-05
1842	438428.13	3763280.05	9.84E-05	3.36E-04	1.53E-05	5.48E-05	8.24E-06	2.54E-05
1843	438425.29	3763289.41	9.70E-05	3.31E-04	1.51E-05	5.40E-05	8.12E-06	2.51E-05
1844	438422.45	3763298.78	9.55E-05	3.26E-04	1.48E-05	5.32E-05	7.99E-06	2.47E-05
1845	438419.61	3763308.15	9.39E-05	3.20E-04	1.46E-05	5.23E-05	7.86E-06	2.43E-05
1846	438416.77	3763317.52	9.26E-05	3.16E-04	1.44E-05	5.16E-05	7.75E-06	2.39E-05
1847	438413.92	3763326.88	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
1848	438411.08	3763336.25	8.93E-05	3.04E-04	1.39E-05	4.97E-05	7.47E-06	2.31E-05
1849	438408.24	3763345.62	8.75E-05	2.98E-04	1.36E-05	4.87E-05	7.32E-06	2.26E-05
1850	438405.4	3763354.99	8.57E-05	2.92E-04	1.33E-05	4.77E-05	7.17E-06	2.21E-05
1851	438402.56	3763364.35	8.39E-05	2.86E-04	1.30E-05	4.67E-05	7.02E-06	2.17E-05
1852	438399.72	3763373.72	8.20E-05	2.80E-04	1.27E-05	4.57E-05	6.86E-06	2.12E-05
1853	438396.88	3763383.09	8.01E-05	2.73E-04	1.24E-05	4.46E-05	6.70E-06	2.07E-05
1854	438394.04	3763392.46	7.82E-05	2.67E-04	1.22E-05	4.36E-05	6.55E-06	2.02E-05
1855	438391.2	3763401.82	7.63E-05	2.60E-04	1.19E-05	4.25E-05	6.39E-06	1.97E-05
1856	438555.94	3762858.51	8.37E-05	2.85E-04	1.30E-05	4.66E-05	7.00E-06	2.16E-05
1857	438555.95	3762848.7	8.28E-05	2.82E-04	1.29E-05	4.61E-05	6.93E-06	2.14E-05
1858	438555.97	3762838.89	8.19E-05	2.79E-04	1.27E-05	4.56E-05	6.85E-06	2.12E-05
1859	438555.98	3762829.08	8.10E-05	2.76E-04	1.26E-05	4.51E-05	6.78E-06	2.09E-05
1860	438556	3762819.27	8.01E-05	2.73E-04	1.25E-05	4.46E-05	6.71E-06	2.07E-05
1861	438556.01	3762809.46	7.92E-05	2.70E-04	1.23E-05	4.41E-05	6.63E-06	2.05E-05
1862	438556.02	3762799.65	7.81E-05	2.66E-04	1.21E-05	4.35E-05	6.54E-06	2.02E-05
1863	438556.04	3762789.84	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.45E-06	1.99E-05
1864	438556.05	3762780.03	7.60E-05	2.59E-04	1.18E-05	4.23E-05	6.36E-06	1.96E-05
1865	438556.07	3762770.22	7.48E-05	2.55E-04	1.16E-05	4.17E-05	6.26E-06	1.93E-05
1866	438556.08	3762760.41	7.37E-05	2.51E-04	1.15E-05	4.11E-05	6.17E-06	1.90E-05
1867	438556.1	3762750.6	7.26E-05	2.47E-04	1.13E-05	4.04E-05	6.07E-06	1.87E-05
1868	438556.11	3762740.79	7.14E-05	2.43E-04	1.11E-05	3.98E-05	5.98E-06	1.84E-05

1869	438556.12	3762730.99	7.02E-05	2.40E-04	1.09E-05	3.91E-05	5.88E-06	1.82E-05
1870	438556.14	3762721.18	6.91E-05	2.36E-04	1.07E-05	3.85E-05	5.78E-06	1.79E-05
1871	437546.75	3762709.72	5.00E-03	1.71E-02	7.78E-04	2.79E-03	4.19E-04	1.29E-03
1872	437537.36	3762709.72	5.32E-03	1.82E-02	8.27E-04	2.97E-03	4.46E-04	1.38E-03
1873	437527.97	3762709.72	5.57E-03	1.90E-02	8.66E-04	3.10E-03	4.66E-04	1.44E-03
1874	437518.58	3762709.72	5.75E-03	1.96E-02	8.94E-04	3.20E-03	4.81E-04	1.49E-03
1875	437509.18	3762709.72	5.83E-03	1.99E-02	9.06E-04	3.25E-03	4.88E-04	1.51E-03
1876	437499.79	3762709.73	5.86E-03	2.00E-02	9.11E-04	3.27E-03	4.91E-04	1.51E-03
1877	437490.4	3762709.73	5.85E-03	1.99E-02	9.09E-04	3.26E-03	4.90E-04	1.51E-03
1878	437481.01	3762709.73	5.76E-03	1.97E-02	8.96E-04	3.21E-03	4.82E-04	1.49E-03
1879	437471.62	3762709.73	5.64E-03	1.92E-02	8.77E-04	3.14E-03	4.72E-04	1.46E-03
1880	437462.23	3762709.73	5.49E-03	1.87E-02	8.53E-04	3.06E-03	4.60E-04	1.42E-03
1881	437452.84	3762709.73	5.32E-03	1.81E-02	8.26E-04	2.96E-03	4.45E-04	1.37E-03
1882	437546.75	3762699.72	3.61E-03	1.23E-02	5.61E-04	2.01E-03	3.02E-04	9.32E-04
1883	437537.36	3762699.72	3.79E-03	1.29E-02	5.89E-04	2.11E-03	3.18E-04	9.80E-04
1884	437527.97	3762699.72	3.94E-03	1.34E-02	6.13E-04	2.20E-03	3.30E-04	1.02E-03
1885	437518.57	3762699.72	4.05E-03	1.38E-02	6.29E-04	2.26E-03	3.39E-04	1.05E-03
1886	437509.18	3762699.72	4.10E-03	1.40E-02	6.37E-04	2.28E-03	3.43E-04	1.06E-03
1887	437499.79	3762699.73	4.12E-03	1.40E-02	6.40E-04	2.29E-03	3.45E-04	1.06E-03
1888	437490.4	3762699.73	4.11E-03	1.40E-02	6.38E-04	2.29E-03	3.44E-04	1.06E-03
1889	437481.01	3762699.73	4.06E-03	1.38E-02	6.30E-04	2.26E-03	3.40E-04	1.05E-03
1890	437471.62	3762699.73	3.98E-03	1.36E-02	6.19E-04	2.22E-03	3.33E-04	1.03E-03
1891	437462.23	3762699.73	3.88E-03	1.32E-02	6.03E-04	2.16E-03	3.25E-04	1.00E-03
1892	437452.84	3762699.73	3.75E-03	1.28E-02	5.82E-04	2.09E-03	3.14E-04	9.68E-04
1893	437546.75	3762689.72	2.73E-03	9.32E-03	4.25E-04	1.52E-03	2.29E-04	7.06E-04
1894	437537.36	3762689.72	2.84E-03	9.69E-03	4.41E-04	1.58E-03	2.38E-04	7.34E-04
1895	437527.96	3762689.72	2.93E-03	9.99E-03	4.55E-04	1.63E-03	2.45E-04	7.57E-04
1896	437518.57	3762689.72	3.00E-03	1.02E-02	4.65E-04	1.67E-03	2.51E-04	7.74E-04
1897	437509.18	3762689.72	3.02E-03	1.03E-02	4.70E-04	1.68E-03	2.53E-04	7.81E-04
1898	437499.79	3762689.73	3.03E-03	1.03E-02	4.71E-04	1.69E-03	2.54E-04	7.84E-04
1899	437490.4	3762689.73	3.02E-03	1.03E-02	4.69E-04	1.68E-03	2.53E-04	7.80E-04
1900	437481.01	3762689.73	2.99E-03	1.02E-02	4.64E-04	1.66E-03	2.50E-04	7.72E-04
1901	437471.62	3762689.73	2.94E-03	1.00E-02	4.56E-04	1.64E-03	2.46E-04	7.59E-04
1902	437462.23	3762689.73	2.87E-03	9.78E-03	4.45E-04	1.60E-03	2.40E-04	7.41E-04
1903	437452.84	3762689.73	2.77E-03	9.43E-03	4.30E-04	1.54E-03	2.32E-04	7.15E-04
1904	437546.75	3762679.72	2.15E-03	7.33E-03	3.34E-04	1.20E-03	1.80E-04	5.56E-04
1905	437537.35	3762679.72	2.21E-03	7.54E-03	3.44E-04	1.23E-03	1.85E-04	5.71E-04
1906	437527.96	3762679.72	2.26E-03	7.70E-03	3.51E-04	1.26E-03	1.89E-04	5.84E-04
1907	437518.57	3762679.72	2.29E-03	7.82E-03	3.56E-04	1.28E-03	1.92E-04	5.92E-04
1908	437509.18	3762679.72	2.31E-03	7.88E-03	3.59E-04	1.29E-03	1.94E-04	5.97E-04
1909	437499.79	3762679.73	2.32E-03	7.90E-03	3.60E-04	1.29E-03	1.94E-04	5.99E-04
1910	437490.4	3762679.73	2.31E-03	7.87E-03	3.59E-04	1.29E-03	1.93E-04	5.96E-04
1911	437481.01	3762679.73	2.28E-03	7.79E-03	3.55E-04	1.27E-03	1.91E-04	5.90E-04
1912	437471.62	3762679.73	2.25E-03	7.66E-03	3.49E-04	1.25E-03	1.88E-04	5.81E-04
1913	437462.23	3762679.73	2.20E-03	7.49E-03	3.41E-04	1.22E-03	1.84E-04	5.68E-04
1914	437452.84	3762679.73	2.13E-03	7.25E-03	3.31E-04	1.18E-03	1.78E-04	5.50E-04
1915	437546.74	3762669.72	1.74E-03	5.92E-03	2.70E-04	9.67E-04	1.45E-04	4.49E-04
1916	437537.35	3762669.72	1.77E-03	6.04E-03	2.75E-04	9.86E-04	1.48E-04	4.58E-04
1917	437527.96	3762669.72	1.80E-03	6.12E-03	2.79E-04	1.00E-03	1.50E-04	4.64E-04
1918	437518.57	3762669.72	1.81E-03	6.18E-03	2.82E-04	1.01E-03	1.52E-04	4.68E-04
1919	437509.18	3762669.72	1.82E-03	6.22E-03	2.83E-04	1.02E-03	1.53E-04	4.71E-04
1920	437499.79	3762669.73	1.83E-03	6.23E-03	2.84E-04	1.02E-03	1.53E-04	4.72E-04

1921	437490.4	3762669.73	1.82E-03	6.20E-03	2.83E-04	1.01E-03	1.52E-04	4.70E-04
1922	437481.01	3762669.73	1.80E-03	6.14E-03	2.80E-04	1.00E-03	1.51E-04	4.65E-04
1923	437471.62	3762669.73	1.77E-03	6.04E-03	2.75E-04	9.87E-04	1.48E-04	4.58E-04
1924	437462.23	3762669.73	1.73E-03	5.92E-03	2.70E-04	9.66E-04	1.45E-04	4.48E-04
1925	437452.84	3762669.73	1.68E-03	5.74E-03	2.62E-04	9.38E-04	1.41E-04	4.35E-04
1926	437443.45	3762669.73	1.62E-03	5.53E-03	2.52E-04	9.04E-04	1.36E-04	4.19E-04
1927	437581.61	3762670.28	1.53E-03	5.22E-03	2.38E-04	8.53E-04	1.28E-04	3.96E-04
1928	437590.1	3762673.8	1.56E-03	5.33E-03	2.43E-04	8.71E-04	1.31E-04	4.04E-04
1929	437546.74	3762659.72	1.43E-03	4.87E-03	2.22E-04	7.96E-04	1.20E-04	3.69E-04
1930	437537.35	3762659.72	1.45E-03	4.94E-03	2.25E-04	8.08E-04	1.21E-04	3.75E-04
1931	437527.96	3762659.72	1.46E-03	4.99E-03	2.27E-04	8.15E-04	1.22E-04	3.78E-04
1932	437518.57	3762659.72	1.47E-03	5.01E-03	2.28E-04	8.18E-04	1.23E-04	3.80E-04
1933	437509.18	3762659.72	1.48E-03	5.03E-03	2.29E-04	8.22E-04	1.24E-04	3.81E-04
1934	437499.79	3762659.73	1.48E-03	5.03E-03	2.29E-04	8.22E-04	1.24E-04	3.81E-04
1935	437490.4	3762659.73	1.47E-03	5.01E-03	2.28E-04	8.18E-04	1.23E-04	3.79E-04
1936	437481.01	3762659.73	1.45E-03	4.96E-03	2.26E-04	8.10E-04	1.22E-04	3.76E-04
1937	437471.62	3762659.73	1.43E-03	4.88E-03	2.22E-04	7.98E-04	1.20E-04	3.70E-04
1938	437462.23	3762659.73	1.40E-03	4.78E-03	2.18E-04	7.81E-04	1.17E-04	3.62E-04
1939	437452.84	3762659.73	1.36E-03	4.65E-03	2.12E-04	7.60E-04	1.14E-04	3.52E-04
1940	437443.44	3762659.73	1.32E-03	4.49E-03	2.05E-04	7.34E-04	1.10E-04	3.41E-04
1941	437597.42	3762666.83	1.35E-03	4.59E-03	2.09E-04	7.50E-04	1.13E-04	3.48E-04
1942	437546.74	3762649.72	1.20E-03	4.08E-03	1.86E-04	6.67E-04	1.00E-04	3.09E-04
1943	437537.35	3762649.72	1.21E-03	4.13E-03	1.88E-04	6.74E-04	1.01E-04	3.13E-04
1944	437527.96	3762649.72	1.22E-03	4.15E-03	1.89E-04	6.78E-04	1.02E-04	3.15E-04
1945	437518.57	3762649.72	1.22E-03	4.16E-03	1.90E-04	6.80E-04	1.02E-04	3.15E-04
1946	437509.18	3762649.72	1.22E-03	4.17E-03	1.90E-04	6.81E-04	1.02E-04	3.16E-04
1947	437499.79	3762649.73	1.22E-03	4.16E-03	1.90E-04	6.80E-04	1.02E-04	3.15E-04
1948	437490.4	3762649.73	1.21E-03	4.14E-03	1.88E-04	6.76E-04	1.02E-04	3.13E-04
1949	437481.01	3762649.73	1.20E-03	4.09E-03	1.86E-04	6.68E-04	1.00E-04	3.10E-04
1950	437471.62	3762649.73	1.18E-03	4.03E-03	1.84E-04	6.58E-04	9.89E-05	3.05E-04
1951	437462.23	3762649.73	1.16E-03	3.95E-03	1.80E-04	6.45E-04	9.69E-05	2.99E-04
1952	437452.83	3762649.73	1.13E-03	3.85E-03	1.75E-04	6.28E-04	9.44E-05	2.91E-04
1953	437443.44	3762649.73	1.09E-03	3.73E-03	1.70E-04	6.09E-04	9.15E-05	2.82E-04
1954	437596.57	3762656.48	1.15E-03	3.93E-03	1.79E-04	6.42E-04	9.65E-05	2.98E-04
1955	437616.09	3762671.28	1.31E-03	4.46E-03	2.03E-04	7.28E-04	1.09E-04	3.38E-04
1956	437546.74	3762639.72	1.02E-03	3.46E-03	1.58E-04	5.66E-04	8.51E-05	2.63E-04
1957	437537.35	3762639.72	1.02E-03	3.49E-03	1.59E-04	5.71E-04	8.58E-05	2.65E-04
1958	437527.96	3762639.72	1.03E-03	3.51E-03	1.60E-04	5.73E-04	8.61E-05	2.66E-04
1959	437518.57	3762639.72	1.03E-03	3.51E-03	1.60E-04	5.73E-04	8.61E-05	2.66E-04
1960	437509.18	3762639.72	1.03E-03	3.51E-03	1.60E-04	5.73E-04	8.61E-05	2.66E-04
1961	437499.79	3762639.73	1.03E-03	3.50E-03	1.59E-04	5.71E-04	8.58E-05	2.65E-04
1962	437490.4	3762639.73	1.02E-03	3.47E-03	1.58E-04	5.67E-04	8.51E-05	2.63E-04
1963	437481.01	3762639.73	1.01E-03	3.43E-03	1.56E-04	5.60E-04	8.42E-05	2.60E-04
1964	437471.62	3762639.73	9.91E-04	3.38E-03	1.54E-04	5.52E-04	8.29E-05	2.56E-04
1965	437462.22	3762639.73	9.71E-04	3.31E-03	1.51E-04	5.41E-04	8.13E-05	2.51E-04
1966	437452.83	3762639.73	9.47E-04	3.23E-03	1.47E-04	5.27E-04	7.92E-05	2.45E-04
1967	437443.44	3762639.73	9.19E-04	3.13E-03	1.43E-04	5.12E-04	7.69E-05	2.37E-04
1968	437595.94	3762646.22	9.96E-04	3.40E-03	1.55E-04	5.55E-04	8.34E-05	2.57E-04
1969	437611.86	3762652.82	1.03E-03	3.50E-03	1.60E-04	5.72E-04	8.59E-05	2.65E-04
1970	437623.11	3762664.09	1.14E-03	3.87E-03	1.76E-04	6.33E-04	9.50E-05	2.93E-04
1971	437546.74	3762629.72	8.72E-04	2.97E-03	1.36E-04	4.86E-04	7.30E-05	2.25E-04
1972	437537.35	3762629.72	8.77E-04	2.99E-03	1.36E-04	4.89E-04	7.34E-05	2.27E-04

1973	437527.96	3762629.72	8.79E-04	3.00E-03	1.37E-04	4.90E-04	7.36E-05	2.27E-04
1974	437518.57	3762629.72	8.79E-04	3.00E-03	1.37E-04	4.89E-04	7.35E-05	2.27E-04
1975	437509.18	3762629.72	8.77E-04	2.99E-03	1.36E-04	4.88E-04	7.34E-05	2.27E-04
1976	437499.79	3762629.73	8.72E-04	2.97E-03	1.36E-04	4.86E-04	7.30E-05	2.25E-04
1977	437490.4	3762629.73	8.65E-04	2.95E-03	1.34E-04	4.82E-04	7.24E-05	2.23E-04
1978	437481.01	3762629.73	8.55E-04	2.91E-03	1.33E-04	4.76E-04	7.15E-05	2.21E-04
1979	437471.61	3762629.73	8.41E-04	2.87E-03	1.31E-04	4.69E-04	7.04E-05	2.17E-04
1980	437462.22	3762629.73	8.25E-04	2.81E-03	1.28E-04	4.59E-04	6.90E-05	2.13E-04
1981	437452.83	3762629.73	8.05E-04	2.74E-03	1.25E-04	4.48E-04	6.74E-05	2.08E-04
1982	437443.44	3762629.73	7.82E-04	2.67E-03	1.22E-04	4.36E-04	6.55E-05	2.02E-04
1983	437595.45	3762636.02	8.67E-04	2.96E-03	1.35E-04	4.83E-04	7.25E-05	2.24E-04
1984	437611.17	3762642.54	8.96E-04	3.06E-03	1.39E-04	4.99E-04	7.50E-05	2.32E-04
1985	437630.15	3762656.93	9.96E-04	3.40E-03	1.55E-04	5.55E-04	8.33E-05	2.57E-04
1986	437636.65	3762672.66	1.18E-03	4.03E-03	1.84E-04	6.59E-04	9.90E-05	3.06E-04
1987	437546.74	3762619.72	7.56E-04	2.58E-03	1.17E-04	4.21E-04	6.33E-05	1.95E-04
1988	437537.35	3762619.72	7.59E-04	2.59E-03	1.18E-04	4.23E-04	6.36E-05	1.96E-04
1989	437527.96	3762619.72	7.60E-04	2.59E-03	1.18E-04	4.24E-04	6.36E-05	1.96E-04
1990	437518.57	3762619.72	7.59E-04	2.59E-03	1.18E-04	4.23E-04	6.35E-05	1.96E-04
1991	437509.18	3762619.72	7.56E-04	2.58E-03	1.17E-04	4.21E-04	6.33E-05	1.95E-04
1992	437499.79	3762619.73	7.51E-04	2.56E-03	1.17E-04	4.18E-04	6.29E-05	1.94E-04
1993	437490.4	3762619.73	7.44E-04	2.54E-03	1.16E-04	4.14E-04	6.23E-05	1.92E-04
1994	437481	3762619.73	7.34E-04	2.50E-03	1.14E-04	4.09E-04	6.15E-05	1.90E-04
1995	437471.61	3762619.73	7.23E-04	2.46E-03	1.12E-04	4.02E-04	6.05E-05	1.87E-04
1996	437462.22	3762619.73	7.08E-04	2.42E-03	1.10E-04	3.95E-04	5.93E-05	1.83E-04
1997	437452.83	3762619.73	6.92E-04	2.36E-03	1.08E-04	3.85E-04	5.79E-05	1.79E-04
1998	437443.44	3762619.73	6.74E-04	2.30E-03	1.05E-04	3.75E-04	5.64E-05	1.74E-04
1999	437590.1	3762613.8	6.60E-04	2.25E-03	1.03E-04	3.68E-04	5.52E-05	1.71E-04
2000	437598.59	3762617.32	6.76E-04	2.31E-03	1.05E-04	3.77E-04	5.66E-05	1.75E-04
2001	437607.08	3762620.84	6.91E-04	2.36E-03	1.07E-04	3.85E-04	5.78E-05	1.78E-04
2002	437615.57	3762624.36	7.03E-04	2.40E-03	1.09E-04	3.92E-04	5.88E-05	1.82E-04
2003	437624.07	3762627.88	7.13E-04	2.43E-03	1.11E-04	3.97E-04	5.97E-05	1.84E-04
2004	437632.56	3762631.4	7.21E-04	2.46E-03	1.12E-04	4.02E-04	6.04E-05	1.86E-04
2005	437644.56	3762643.42	7.90E-04	2.70E-03	1.23E-04	4.40E-04	6.62E-05	2.04E-04
2006	437648.07	3762651.92	8.59E-04	2.93E-03	1.33E-04	4.79E-04	7.19E-05	2.22E-04
2007	437651.58	3762660.42	9.34E-04	3.18E-03	1.45E-04	5.20E-04	7.81E-05	2.41E-04
2008	437655.09	3762668.91	1.02E-03	3.46E-03	1.58E-04	5.66E-04	8.50E-05	2.62E-04
2009	437665.61	3762694.4	1.29E-03	4.41E-03	2.01E-04	7.20E-04	1.08E-04	3.34E-04
2010	437669.12	3762702.9	1.39E-03	4.75E-03	2.16E-04	7.75E-04	1.16E-04	3.60E-04
2011	437672.63	3762711.4	1.49E-03	5.09E-03	2.32E-04	8.31E-04	1.25E-04	3.86E-04
2012	437546.74	3762599.72	5.82E-04	1.99E-03	9.05E-05	3.24E-04	4.87E-05	1.50E-04
2013	437537.35	3762599.72	5.83E-04	1.99E-03	9.06E-05	3.25E-04	4.88E-05	1.51E-04
2014	437527.96	3762599.72	5.82E-04	1.99E-03	9.05E-05	3.24E-04	4.87E-05	1.50E-04
2015	437518.57	3762599.72	5.80E-04	1.98E-03	9.01E-05	3.23E-04	4.86E-05	1.50E-04
2016	437509.18	3762599.72	5.77E-04	1.97E-03	8.96E-05	3.21E-04	4.83E-05	1.49E-04
2017	437499.78	3762599.73	5.72E-04	1.95E-03	8.88E-05	3.18E-04	4.79E-05	1.48E-04
2018	437490.39	3762599.73	5.65E-04	1.93E-03	8.78E-05	3.15E-04	4.73E-05	1.46E-04
2019	437481	3762599.73	5.57E-04	1.90E-03	8.66E-05	3.11E-04	4.67E-05	1.44E-04
2020	437471.61	3762599.73	5.48E-04	1.87E-03	8.52E-05	3.05E-04	4.59E-05	1.42E-04
2021	437462.22	3762599.73	5.38E-04	1.83E-03	8.36E-05	3.00E-04	4.50E-05	1.39E-04
2022	437452.83	3762599.73	5.26E-04	1.80E-03	8.18E-05	2.93E-04	4.41E-05	1.36E-04
2023	437443.44	3762599.73	5.14E-04	1.75E-03	7.99E-05	2.86E-04	4.30E-05	1.33E-04
2024	437597.41	3762596.83	5.34E-04	1.82E-03	8.30E-05	2.98E-04	4.47E-05	1.38E-04

2025	437613.92	3762603.68	5.57E-04	1.90E-03	8.66E-05	3.10E-04	4.66E-05	1.44E-04
2026	437630.43	3762610.52	5.75E-04	1.96E-03	8.93E-05	3.20E-04	4.81E-05	1.49E-04
2027	437646.95	3762617.37	5.88E-04	2.00E-03	9.13E-05	3.27E-04	4.92E-05	1.52E-04
2028	437658.61	3762629.05	6.37E-04	2.17E-03	9.90E-05	3.55E-04	5.33E-05	1.65E-04
2029	437665.44	3762645.58	7.38E-04	2.52E-03	1.15E-04	4.11E-04	6.18E-05	1.91E-04
2030	437672.26	3762662.1	8.56E-04	2.92E-03	1.33E-04	4.77E-04	7.16E-05	2.21E-04
2031	437679.08	3762678.62	9.89E-04	3.37E-03	1.54E-04	5.51E-04	8.28E-05	2.56E-04
2032	437682.49	3762686.88	1.06E-03	3.62E-03	1.65E-04	5.91E-04	8.88E-05	2.74E-04
2033	437689.32	3762703.4	1.21E-03	4.12E-03	1.88E-04	6.73E-04	1.01E-04	3.12E-04
2034	437546.74	3762579.72	4.60E-04	1.57E-03	7.15E-05	2.56E-04	3.85E-05	1.19E-04
2035	437537.35	3762579.72	4.60E-04	1.57E-03	7.14E-05	2.56E-04	3.85E-05	1.19E-04
2036	437527.96	3762579.72	4.58E-04	1.56E-03	7.12E-05	2.55E-04	3.83E-05	1.18E-04
2037	437518.56	3762579.72	4.55E-04	1.55E-03	7.08E-05	2.54E-04	3.81E-05	1.18E-04
2038	437509.17	3762579.72	4.52E-04	1.54E-03	7.02E-05	2.52E-04	3.78E-05	1.17E-04
2039	437499.78	3762579.73	4.47E-04	1.53E-03	6.95E-05	2.49E-04	3.74E-05	1.16E-04
2040	437490.39	3762579.73	4.42E-04	1.51E-03	6.86E-05	2.46E-04	3.70E-05	1.14E-04
2041	437481	3762579.73	4.36E-04	1.49E-03	6.77E-05	2.43E-04	3.65E-05	1.13E-04
2042	437471.61	3762579.73	4.29E-04	1.46E-03	6.66E-05	2.39E-04	3.59E-05	1.11E-04
2043	437462.22	3762579.73	4.21E-04	1.44E-03	6.54E-05	2.35E-04	3.52E-05	1.09E-04
2044	437452.83	3762579.73	4.13E-04	1.41E-03	6.41E-05	2.30E-04	3.45E-05	1.07E-04
2045	437443.44	3762579.73	4.04E-04	1.38E-03	6.28E-05	2.25E-04	3.38E-05	1.04E-04
2046	437596.56	3762576.48	4.31E-04	1.47E-03	6.69E-05	2.40E-04	3.60E-05	1.11E-04
2047	437612.74	3762583.19	4.50E-04	1.53E-03	6.99E-05	2.51E-04	3.77E-05	1.16E-04
2048	437628.92	3762589.9	4.66E-04	1.59E-03	7.24E-05	2.60E-04	3.90E-05	1.20E-04
2049	437645.09	3762596.6	4.79E-04	1.63E-03	7.44E-05	2.67E-04	4.01E-05	1.24E-04
2050	437661.27	3762603.31	4.88E-04	1.66E-03	7.58E-05	2.72E-04	4.08E-05	1.26E-04
2051	437672.7	3762614.75	5.24E-04	1.79E-03	8.15E-05	2.92E-04	4.39E-05	1.35E-04
2052	437679.38	3762630.94	5.99E-04	2.04E-03	9.30E-05	3.33E-04	5.01E-05	1.55E-04
2053	437686.06	3762647.12	6.84E-04	2.33E-03	1.06E-04	3.81E-04	5.72E-05	1.77E-04
2054	437692.75	3762663.31	7.80E-04	2.66E-03	1.21E-04	4.34E-04	6.53E-05	2.01E-04
2055	437699.43	3762679.49	8.86E-04	3.02E-03	1.38E-04	4.94E-04	7.42E-05	2.29E-04
2056	437706.11	3762695.68	9.99E-04	3.41E-03	1.55E-04	5.56E-04	8.36E-05	2.58E-04
2057	437546.73	3762559.72	3.71E-04	1.27E-03	5.77E-05	2.07E-04	3.11E-05	9.60E-05
2058	437537.34	3762559.72	3.70E-04	1.26E-03	5.75E-05	2.06E-04	3.10E-05	9.57E-05
2059	437527.95	3762559.72	3.68E-04	1.26E-03	5.72E-05	2.05E-04	3.08E-05	9.52E-05
2060	437518.56	3762559.72	3.66E-04	1.25E-03	5.68E-05	2.04E-04	3.06E-05	9.45E-05
2061	437509.17	3762559.72	3.62E-04	1.24E-03	5.63E-05	2.02E-04	3.03E-05	9.37E-05
2062	437499.78	3762559.73	3.59E-04	1.22E-03	5.57E-05	2.00E-04	3.00E-05	9.26E-05
2063	437490.39	3762559.73	3.54E-04	1.21E-03	5.50E-05	1.97E-04	2.96E-05	9.15E-05
2064	437481	3762559.73	3.49E-04	1.19E-03	5.42E-05	1.94E-04	2.92E-05	9.02E-05
2065	437471.61	3762559.73	3.44E-04	1.17E-03	5.34E-05	1.91E-04	2.88E-05	8.88E-05
2066	437462.22	3762559.73	3.38E-04	1.15E-03	5.25E-05	1.88E-04	2.83E-05	8.72E-05
2067	437452.83	3762559.73	3.31E-04	1.13E-03	5.15E-05	1.85E-04	2.77E-05	8.56E-05
2068	437443.44	3762559.73	3.25E-04	1.11E-03	5.05E-05	1.81E-04	2.72E-05	8.39E-05
2069	437598.58	3762557.32	3.56E-04	1.21E-03	5.53E-05	1.98E-04	2.98E-05	9.20E-05
2070	437607.08	3762560.84	3.65E-04	1.24E-03	5.67E-05	2.03E-04	3.05E-05	9.43E-05
2071	437615.57	3762564.36	3.73E-04	1.27E-03	5.80E-05	2.08E-04	3.12E-05	9.64E-05
2072	437624.06	3762567.88	3.81E-04	1.30E-03	5.91E-05	2.12E-04	3.19E-05	9.83E-05
2073	437632.55	3762571.4	3.87E-04	1.32E-03	6.02E-05	2.16E-04	3.24E-05	1.00E-04
2074	437641.05	3762574.93	3.93E-04	1.34E-03	6.11E-05	2.19E-04	3.29E-05	1.02E-04
2075	437649.54	3762578.45	3.99E-04	1.36E-03	6.20E-05	2.22E-04	3.34E-05	1.03E-04
2076	437658.03	3762581.97	4.04E-04	1.38E-03	6.27E-05	2.25E-04	3.38E-05	1.04E-04

2077	437666.52	3762585.49	4.07E-04	1.39E-03	6.33E-05	2.27E-04	3.41E-05	1.05E-04
2078	437675.01	3762589.01	4.11E-04	1.40E-03	6.38E-05	2.29E-04	3.44E-05	1.06E-04
2079	437687.02	3762601.02	4.41E-04	1.50E-03	6.85E-05	2.45E-04	3.69E-05	1.14E-04
2080	437690.52	3762609.52	4.70E-04	1.60E-03	7.30E-05	2.62E-04	3.93E-05	1.21E-04
2081	437694.03	3762618.02	5.01E-04	1.71E-03	7.78E-05	2.79E-04	4.19E-05	1.29E-04
2082	437697.54	3762626.52	5.34E-04	1.82E-03	8.30E-05	2.98E-04	4.47E-05	1.38E-04
2083	437701.05	3762635.01	5.70E-04	1.94E-03	8.85E-05	3.17E-04	4.77E-05	1.47E-04
2084	437704.56	3762643.51	6.08E-04	2.07E-03	9.44E-05	3.39E-04	5.09E-05	1.57E-04
2085	437708.07	3762652.01	6.48E-04	2.21E-03	1.01E-04	3.61E-04	5.42E-05	1.67E-04
2086	437711.58	3762660.5	6.90E-04	2.35E-03	1.07E-04	3.84E-04	5.78E-05	1.78E-04
2087	437715.09	3762669	7.35E-04	2.50E-03	1.14E-04	4.09E-04	6.15E-05	1.90E-04
2088	437718.6	3762677.5	7.80E-04	2.66E-03	1.21E-04	4.35E-04	6.53E-05	2.02E-04
2089	437722.1	3762685.99	8.27E-04	2.82E-03	1.29E-04	4.61E-04	6.92E-05	2.14E-04
2090	437725.61	3762694.49	8.74E-04	2.98E-03	1.36E-04	4.87E-04	7.32E-05	2.26E-04
2091	437729.12	3762702.99	9.22E-04	3.14E-03	1.43E-04	5.13E-04	7.71E-05	2.38E-04
2092	437732.63	3762711.49	9.68E-04	3.30E-03	1.50E-04	5.39E-04	8.10E-05	2.50E-04
2093	437546.73	3762539.72	3.05E-04	1.04E-03	4.74E-05	1.70E-04	2.55E-05	7.88E-05
2094	437537.34	3762539.72	3.04E-04	1.04E-03	4.72E-05	1.69E-04	2.54E-05	7.85E-05
2095	437527.95	3762539.72	3.02E-04	1.03E-03	4.69E-05	1.68E-04	2.53E-05	7.80E-05
2096	437518.56	3762539.72	2.99E-04	1.02E-03	4.65E-05	1.67E-04	2.51E-05	7.73E-05
2097	437509.17	3762539.72	2.96E-04	1.01E-03	4.61E-05	1.65E-04	2.48E-05	7.66E-05
2098	437499.78	3762539.73	2.93E-04	1.00E-03	4.56E-05	1.63E-04	2.45E-05	7.57E-05
2099	437490.39	3762539.73	2.89E-04	9.87E-04	4.50E-05	1.61E-04	2.42E-05	7.48E-05
2100	437481	3762539.73	2.85E-04	9.73E-04	4.43E-05	1.59E-04	2.39E-05	7.37E-05
2101	437471.61	3762539.73	2.81E-04	9.58E-04	4.37E-05	1.57E-04	2.35E-05	7.26E-05
2102	437462.22	3762539.73	2.76E-04	9.43E-04	4.30E-05	1.54E-04	2.31E-05	7.14E-05
2103	437452.82	3762539.73	2.72E-04	9.26E-04	4.22E-05	1.51E-04	2.27E-05	7.02E-05
2104	437443.43	3762539.73	2.67E-04	9.09E-04	4.14E-05	1.49E-04	2.23E-05	6.89E-05
2105	437631.05	3762550.78	3.23E-04	1.10E-03	5.02E-05	1.80E-04	2.70E-05	8.34E-05
2106	437639.38	3762554.23	3.28E-04	1.12E-03	5.10E-05	1.83E-04	2.75E-05	8.48E-05
2107	437647.7	3762557.69	3.33E-04	1.14E-03	5.18E-05	1.86E-04	2.79E-05	8.61E-05
2108	437656.03	3762561.14	3.38E-04	1.15E-03	5.25E-05	1.88E-04	2.83E-05	8.73E-05
2109	437672.68	3762568.04	3.45E-04	1.18E-03	5.36E-05	1.92E-04	2.89E-05	8.92E-05
2110	437681.01	3762571.49	3.48E-04	1.19E-03	5.41E-05	1.94E-04	2.91E-05	9.00E-05
2111	437689.33	3762574.94	3.51E-04	1.20E-03	5.45E-05	1.95E-04	2.93E-05	9.06E-05
2112	437701.1	3762586.73	3.74E-04	1.27E-03	5.80E-05	2.08E-04	3.13E-05	9.65E-05
2113	437707.98	3762603.39	4.20E-04	1.43E-03	6.52E-05	2.34E-04	3.51E-05	1.08E-04
2114	437714.86	3762620.05	4.72E-04	1.61E-03	7.34E-05	2.63E-04	3.95E-05	1.22E-04
2115	437718.3	3762628.38	5.01E-04	1.71E-03	7.78E-05	2.79E-04	4.19E-05	1.29E-04
2116	437725.18	3762645.04	5.63E-04	1.92E-03	8.75E-05	3.14E-04	4.71E-05	1.46E-04
2117	437732.06	3762661.7	6.31E-04	2.15E-03	9.81E-05	3.52E-04	5.28E-05	1.63E-04
2118	437738.94	3762678.36	7.04E-04	2.40E-03	1.09E-04	3.92E-04	5.90E-05	1.82E-04
2119	437742.38	3762686.69	7.42E-04	2.53E-03	1.15E-04	4.13E-04	6.21E-05	1.92E-04
2120	437749.26	3762703.35	8.17E-04	2.79E-03	1.27E-04	4.55E-04	6.84E-05	2.11E-04
2121	437546.73	3762519.72	2.54E-04	8.68E-04	3.95E-05	1.42E-04	2.13E-05	6.57E-05
2122	437537.34	3762519.72	2.53E-04	8.62E-04	3.93E-05	1.41E-04	2.12E-05	6.54E-05
2123	437527.95	3762519.72	2.51E-04	8.56E-04	3.90E-05	1.40E-04	2.10E-05	6.49E-05
2124	437518.56	3762519.72	2.49E-04	8.49E-04	3.87E-05	1.39E-04	2.08E-05	6.43E-05
2125	437509.17	3762519.72	2.46E-04	8.40E-04	3.83E-05	1.37E-04	2.06E-05	6.37E-05
2126	437499.78	3762519.73	2.44E-04	8.31E-04	3.78E-05	1.36E-04	2.04E-05	6.29E-05
2127	437490.39	3762519.73	2.41E-04	8.20E-04	3.74E-05	1.34E-04	2.01E-05	6.22E-05
2128	437481	3762519.73	2.37E-04	8.09E-04	3.69E-05	1.32E-04	1.99E-05	6.13E-05

2129	437471.6	3762519.73	2.34E-04	7.98E-04	3.63E-05	1.30E-04	1.96E-05	6.04E-05
2130	437462.21	3762519.73	2.30E-04	7.85E-04	3.58E-05	1.28E-04	1.93E-05	5.95E-05
2131	437452.82	3762519.73	2.27E-04	7.73E-04	3.52E-05	1.26E-04	1.90E-05	5.85E-05
2132	437443.43	3762519.73	2.23E-04	7.59E-04	3.46E-05	1.24E-04	1.86E-05	5.75E-05
2133	437625.32	3762528.41	2.69E-04	9.19E-04	4.19E-05	1.50E-04	2.25E-05	6.96E-05
2134	437633.97	3762531.99	2.75E-04	9.37E-04	4.27E-05	1.53E-04	2.30E-05	7.10E-05
2135	437642.61	3762535.58	2.80E-04	9.54E-04	4.35E-05	1.56E-04	2.34E-05	7.23E-05
2136	437651.26	3762539.16	2.84E-04	9.69E-04	4.42E-05	1.58E-04	2.38E-05	7.35E-05
2137	437659.91	3762542.75	2.88E-04	9.84E-04	4.48E-05	1.61E-04	2.41E-05	7.45E-05
2138	437668.56	3762546.33	2.92E-04	9.96E-04	4.54E-05	1.63E-04	2.44E-05	7.55E-05
2139	437677.21	3762549.92	2.95E-04	1.01E-03	4.59E-05	1.65E-04	2.47E-05	7.63E-05
2140	437685.86	3762553.51	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.50E-05	7.70E-05
2141	437694.51	3762557.09	3.01E-04	1.02E-03	4.67E-05	1.67E-04	2.52E-05	7.76E-05
2142	437703.16	3762560.68	3.02E-04	1.03E-03	4.70E-05	1.68E-04	2.53E-05	7.81E-05
2143	437715.38	3762572.92	3.21E-04	1.10E-03	4.99E-05	1.79E-04	2.69E-05	8.31E-05
2144	437718.96	3762581.57	3.40E-04	1.16E-03	5.28E-05	1.89E-04	2.85E-05	8.79E-05
2145	437722.53	3762590.23	3.60E-04	1.23E-03	5.59E-05	2.01E-04	3.01E-05	9.30E-05
2146	437726.11	3762598.88	3.81E-04	1.30E-03	5.92E-05	2.12E-04	3.19E-05	9.85E-05
2147	437729.68	3762607.53	4.03E-04	1.38E-03	6.27E-05	2.25E-04	3.38E-05	1.04E-04
2148	437733.25	3762616.19	4.27E-04	1.46E-03	6.64E-05	2.38E-04	3.58E-05	1.10E-04
2149	437736.83	3762624.84	4.52E-04	1.54E-03	7.03E-05	2.52E-04	3.79E-05	1.17E-04
2150	437740.4	3762633.5	4.79E-04	1.63E-03	7.44E-05	2.67E-04	4.01E-05	1.24E-04
2151	437743.97	3762642.15	5.07E-04	1.73E-03	7.87E-05	2.82E-04	4.24E-05	1.31E-04
2152	437747.55	3762650.81	5.36E-04	1.83E-03	8.32E-05	2.98E-04	4.48E-05	1.38E-04
2153	437751.12	3762659.46	5.66E-04	1.93E-03	8.79E-05	3.15E-04	4.74E-05	1.46E-04
2154	437754.7	3762668.11	5.97E-04	2.04E-03	9.28E-05	3.33E-04	5.00E-05	1.54E-04
2155	437758.27	3762676.77	6.29E-04	2.14E-03	9.77E-05	3.50E-04	5.26E-05	1.62E-04
2156	437761.84	3762685.42	6.61E-04	2.25E-03	1.03E-04	3.68E-04	5.53E-05	1.71E-04
2157	437765.42	3762694.08	6.93E-04	2.36E-03	1.08E-04	3.86E-04	5.80E-05	1.79E-04
2158	437546.73	3762499.72	2.15E-04	7.33E-04	3.34E-05	1.20E-04	1.80E-05	5.55E-05
2159	437537.34	3762499.72	2.13E-04	7.28E-04	3.32E-05	1.19E-04	1.79E-05	5.52E-05
2160	437527.95	3762499.72	2.12E-04	7.22E-04	3.29E-05	1.18E-04	1.77E-05	5.47E-05
2161	437518.56	3762499.72	2.10E-04	7.15E-04	3.26E-05	1.17E-04	1.76E-05	5.42E-05
2162	437509.17	3762499.72	2.08E-04	7.08E-04	3.22E-05	1.16E-04	1.74E-05	5.36E-05
2163	437499.78	3762499.73	2.05E-04	7.00E-04	3.19E-05	1.14E-04	1.72E-05	5.30E-05
2164	437490.38	3762499.73	2.03E-04	6.91E-04	3.15E-05	1.13E-04	1.70E-05	5.24E-05
2165	437480.99	3762499.73	2.00E-04	6.82E-04	3.11E-05	1.11E-04	1.67E-05	5.17E-05
2166	437471.6	3762499.73	1.97E-04	6.73E-04	3.06E-05	1.10E-04	1.65E-05	5.10E-05
2167	437462.21	3762499.73	1.94E-04	6.63E-04	3.02E-05	1.08E-04	1.63E-05	5.02E-05
2168	437452.82	3762499.73	1.91E-04	6.53E-04	2.97E-05	1.07E-04	1.60E-05	4.95E-05
2169	437443.43	3762499.73	1.88E-04	6.43E-04	2.93E-05	1.05E-04	1.58E-05	4.87E-05
2170	437590.09	3762493.8	2.08E-04	7.10E-04	3.23E-05	1.16E-04	1.74E-05	5.38E-05
2171	437598.58	3762497.32	2.14E-04	7.29E-04	3.32E-05	1.19E-04	1.79E-05	5.52E-05
2172	437607.07	3762500.84	2.19E-04	7.47E-04	3.40E-05	1.22E-04	1.83E-05	5.66E-05
2173	437615.56	3762504.36	2.24E-04	7.65E-04	3.49E-05	1.25E-04	1.88E-05	5.80E-05
2174	437624.06	3762507.88	2.29E-04	7.82E-04	3.56E-05	1.28E-04	1.92E-05	5.92E-05
2175	437632.55	3762511.4	2.34E-04	7.98E-04	3.63E-05	1.30E-04	1.96E-05	6.04E-05
2176	437641.04	3762514.93	2.38E-04	8.13E-04	3.70E-05	1.33E-04	2.00E-05	6.16E-05
2177	437649.53	3762518.45	2.43E-04	8.27E-04	3.77E-05	1.35E-04	2.03E-05	6.27E-05
2178	437658.02	3762521.97	2.46E-04	8.40E-04	3.83E-05	1.37E-04	2.06E-05	6.36E-05
2179	437666.52	3762525.49	2.50E-04	8.52E-04	3.88E-05	1.39E-04	2.09E-05	6.45E-05
2180	437675.01	3762529.01	2.53E-04	8.63E-04	3.93E-05	1.41E-04	2.12E-05	6.54E-05

2181	437683.5	3762532.53	2.56E-04	8.72E-04	3.97E-05	1.42E-04	2.14E-05	6.61E-05
2182	437691.99	3762536.05	2.58E-04	8.81E-04	4.01E-05	1.44E-04	2.16E-05	6.67E-05
2183	437700.49	3762539.57	2.60E-04	8.88E-04	4.05E-05	1.45E-04	2.18E-05	6.73E-05
2184	437708.98	3762543.09	2.62E-04	8.94E-04	4.07E-05	1.46E-04	2.19E-05	6.77E-05
2185	437717.47	3762546.61	2.64E-04	8.99E-04	4.09E-05	1.47E-04	2.21E-05	6.81E-05
2186	437729.47	3762558.63	2.79E-04	9.50E-04	4.33E-05	1.55E-04	2.33E-05	7.20E-05
2187	437736.49	3762575.62	3.09E-04	1.05E-03	4.80E-05	1.72E-04	2.59E-05	7.98E-05
2188	437740	3762584.12	3.25E-04	1.11E-03	5.06E-05	1.81E-04	2.72E-05	8.41E-05
2189	437743.51	3762592.62	3.43E-04	1.17E-03	5.33E-05	1.91E-04	2.87E-05	8.86E-05
2190	437747.02	3762601.11	3.61E-04	1.23E-03	5.62E-05	2.01E-04	3.02E-05	9.34E-05
2191	437750.52	3762609.61	3.81E-04	1.30E-03	5.92E-05	2.12E-04	3.19E-05	9.85E-05
2192	437754.03	3762618.11	4.02E-04	1.37E-03	6.24E-05	2.24E-04	3.36E-05	1.04E-04
2193	437757.54	3762626.6	4.24E-04	1.44E-03	6.58E-05	2.36E-04	3.55E-05	1.09E-04
2194	437761.05	3762635.1	4.46E-04	1.52E-03	6.93E-05	2.49E-04	3.74E-05	1.15E-04
2195	437764.56	3762643.6	4.70E-04	1.60E-03	7.30E-05	2.62E-04	3.93E-05	1.21E-04
2196	437768.07	3762652.09	4.94E-04	1.69E-03	7.68E-05	2.75E-04	4.14E-05	1.28E-04
2197	437771.58	3762660.59	5.20E-04	1.77E-03	8.07E-05	2.89E-04	4.35E-05	1.34E-04
2198	437775.09	3762669.09	5.45E-04	1.86E-03	8.47E-05	3.04E-04	4.57E-05	1.41E-04
2199	437778.6	3762677.58	5.72E-04	1.95E-03	8.88E-05	3.18E-04	4.78E-05	1.48E-04
2200	437546.73	3762479.72	1.84E-04	6.26E-04	2.85E-05	1.02E-04	1.54E-05	4.74E-05
2201	437537.34	3762479.72	1.82E-04	6.21E-04	2.83E-05	1.02E-04	1.53E-05	4.71E-05
2202	437527.95	3762479.72	1.81E-04	6.16E-04	2.81E-05	1.01E-04	1.51E-05	4.67E-05
2203	437518.56	3762479.72	1.79E-04	6.10E-04	2.78E-05	9.97E-05	1.50E-05	4.62E-05
2204	437509.16	3762479.72	1.77E-04	6.04E-04	2.75E-05	9.86E-05	1.48E-05	4.57E-05
2205	437499.77	3762479.73	1.75E-04	5.97E-04	2.72E-05	9.75E-05	1.46E-05	4.52E-05
2206	437490.38	3762479.73	1.73E-04	5.89E-04	2.69E-05	9.63E-05	1.45E-05	4.47E-05
2207	437480.99	3762479.73	1.71E-04	5.82E-04	2.65E-05	9.51E-05	1.43E-05	4.41E-05
2208	437471.6	3762479.73	1.68E-04	5.74E-04	2.62E-05	9.38E-05	1.41E-05	4.35E-05
2209	437462.21	3762479.73	1.66E-04	5.66E-04	2.58E-05	9.25E-05	1.39E-05	4.29E-05
2210	437452.82	3762479.73	1.64E-04	5.58E-04	2.54E-05	9.12E-05	1.37E-05	4.23E-05
2211	437443.43	3762479.73	1.61E-04	5.50E-04	2.51E-05	8.98E-05	1.35E-05	4.17E-05
2212	437589.57	3762473.59	1.79E-04	6.10E-04	2.78E-05	9.97E-05	1.50E-05	4.62E-05
2213	437597.93	3762477.06	1.84E-04	6.26E-04	2.85E-05	1.02E-04	1.54E-05	4.75E-05
2214	437606.3	3762480.52	1.88E-04	6.42E-04	2.92E-05	1.05E-04	1.58E-05	4.86E-05
2215	437614.66	3762483.99	1.93E-04	6.57E-04	2.99E-05	1.07E-04	1.61E-05	4.98E-05
2216	437623.02	3762487.46	1.97E-04	6.72E-04	3.06E-05	1.10E-04	1.65E-05	5.09E-05
2217	437631.39	3762490.92	2.01E-04	6.86E-04	3.13E-05	1.12E-04	1.68E-05	5.20E-05
2218	437639.75	3762494.39	2.05E-04	6.99E-04	3.19E-05	1.14E-04	1.72E-05	5.30E-05
2219	437656.48	3762501.33	2.12E-04	7.23E-04	3.30E-05	1.18E-04	1.78E-05	5.48E-05
2220	437664.84	3762504.79	2.15E-04	7.34E-04	3.35E-05	1.20E-04	1.80E-05	5.56E-05
2221	437673.21	3762508.26	2.18E-04	7.44E-04	3.39E-05	1.22E-04	1.83E-05	5.64E-05
2222	437681.57	3762511.73	2.21E-04	7.54E-04	3.43E-05	1.23E-04	1.85E-05	5.71E-05
2223	437689.93	3762515.19	2.23E-04	7.62E-04	3.47E-05	1.24E-04	1.87E-05	5.77E-05
2224	437698.3	3762518.66	2.26E-04	7.69E-04	3.51E-05	1.26E-04	1.89E-05	5.83E-05
2225	437706.66	3762522.13	2.28E-04	7.76E-04	3.54E-05	1.27E-04	1.90E-05	5.88E-05
2226	437723.39	3762529.06	2.30E-04	7.86E-04	3.58E-05	1.28E-04	1.93E-05	5.96E-05
2227	437731.75	3762532.53	2.32E-04	7.90E-04	3.60E-05	1.29E-04	1.94E-05	5.98E-05
2228	437743.57	3762544.37	2.44E-04	8.31E-04	3.79E-05	1.36E-04	2.04E-05	6.30E-05
2229	437747.02	3762552.73	2.56E-04	8.72E-04	3.97E-05	1.42E-04	2.14E-05	6.60E-05
2230	437753.94	3762569.47	2.81E-04	9.59E-04	4.37E-05	1.57E-04	2.35E-05	7.26E-05
2231	437760.85	3762586.21	3.10E-04	1.06E-03	4.81E-05	1.72E-04	2.59E-05	8.00E-05
2232	437767.76	3762602.94	3.41E-04	1.16E-03	5.31E-05	1.90E-04	2.86E-05	8.82E-05

2233	437774.67	3762619.68	3.77E-04	1.28E-03	5.85E-05	2.10E-04	3.15E-05	9.73E-05
2234	437781.58	3762636.42	4.15E-04	1.42E-03	6.45E-05	2.31E-04	3.47E-05	1.07E-04
2235	437788.49	3762653.15	4.56E-04	1.56E-03	7.09E-05	2.54E-04	3.82E-05	1.18E-04
2236	437795.41	3762669.89	4.99E-04	1.70E-03	7.76E-05	2.78E-04	4.18E-05	1.29E-04
2237	437802.32	3762686.63	5.43E-04	1.85E-03	8.44E-05	3.03E-04	4.55E-05	1.40E-04
2238	437809.23	3762703.36	5.87E-04	2.00E-03	9.12E-05	3.27E-04	4.91E-05	1.52E-04
2239	437546.73	3762459.72	1.58E-04	5.40E-04	2.46E-05	8.83E-05	1.33E-05	4.09E-05
2240	437537.34	3762459.72	1.57E-04	5.36E-04	2.44E-05	8.76E-05	1.32E-05	4.06E-05
2241	437527.94	3762459.72	1.56E-04	5.31E-04	2.42E-05	8.68E-05	1.30E-05	4.02E-05
2242	437518.55	3762459.72	1.54E-04	5.26E-04	2.40E-05	8.59E-05	1.29E-05	3.98E-05
2243	437509.16	3762459.72	1.53E-04	5.20E-04	2.37E-05	8.50E-05	1.28E-05	3.94E-05
2244	437499.77	3762459.73	1.51E-04	5.14E-04	2.34E-05	8.40E-05	1.26E-05	3.90E-05
2245	437490.38	3762459.73	1.49E-04	5.08E-04	2.32E-05	8.30E-05	1.25E-05	3.85E-05
2246	437480.99	3762459.73	1.47E-04	5.02E-04	2.29E-05	8.20E-05	1.23E-05	3.80E-05
2247	437471.6	3762459.73	1.45E-04	4.95E-04	2.26E-05	8.09E-05	1.22E-05	3.75E-05
2248	437462.21	3762459.73	1.43E-04	4.89E-04	2.23E-05	7.98E-05	1.20E-05	3.70E-05
2249	437452.82	3762459.73	1.41E-04	4.82E-04	2.20E-05	7.88E-05	1.18E-05	3.65E-05
2250	437443.43	3762459.73	1.39E-04	4.76E-04	2.17E-05	7.77E-05	1.17E-05	3.60E-05
2251	437581.96	3762450.43	1.52E-04	5.18E-04	2.36E-05	8.46E-05	1.27E-05	3.92E-05
2252	437590.58	3762454.01	1.56E-04	5.32E-04	2.42E-05	8.69E-05	1.31E-05	4.03E-05
2253	437599.19	3762457.58	1.60E-04	5.46E-04	2.49E-05	8.92E-05	1.34E-05	4.14E-05
2254	437607.81	3762461.15	1.64E-04	5.60E-04	2.55E-05	9.15E-05	1.37E-05	4.24E-05
2255	437616.42	3762464.72	1.68E-04	5.74E-04	2.61E-05	9.37E-05	1.41E-05	4.35E-05
2256	437625.04	3762468.29	1.72E-04	5.87E-04	2.67E-05	9.58E-05	1.44E-05	4.45E-05
2257	437633.65	3762471.86	1.76E-04	5.99E-04	2.73E-05	9.79E-05	1.47E-05	4.54E-05
2258	437642.27	3762475.44	1.79E-04	6.11E-04	2.79E-05	9.99E-05	1.50E-05	4.63E-05
2259	437650.88	3762479.01	1.83E-04	6.23E-04	2.84E-05	1.02E-04	1.53E-05	4.72E-05
2260	437659.5	3762482.58	1.86E-04	6.33E-04	2.89E-05	1.03E-04	1.55E-05	4.80E-05
2261	437668.11	3762486.15	1.89E-04	6.43E-04	2.93E-05	1.05E-04	1.58E-05	4.88E-05
2262	437676.73	3762489.72	1.91E-04	6.53E-04	2.97E-05	1.07E-04	1.60E-05	4.95E-05
2263	437685.34	3762493.29	1.94E-04	6.61E-04	3.01E-05	1.08E-04	1.62E-05	5.01E-05
2264	437693.96	3762496.86	1.96E-04	6.69E-04	3.05E-05	1.09E-04	1.64E-05	5.07E-05
2265	437702.57	3762500.44	1.98E-04	6.76E-04	3.08E-05	1.10E-04	1.66E-05	5.12E-05
2266	437711.19	3762504.01	2.00E-04	6.82E-04	3.11E-05	1.11E-04	1.68E-05	5.17E-05
2267	437719.8	3762507.58	2.02E-04	6.88E-04	3.13E-05	1.12E-04	1.69E-05	5.21E-05
2268	437728.42	3762511.15	2.03E-04	6.92E-04	3.16E-05	1.13E-04	1.70E-05	5.25E-05
2269	437737.03	3762514.72	2.04E-04	6.96E-04	3.17E-05	1.14E-04	1.71E-05	5.28E-05
2270	437745.65	3762518.29	2.05E-04	7.00E-04	3.19E-05	1.14E-04	1.72E-05	5.30E-05
2271	437757.82	3762530.49	2.16E-04	7.35E-04	3.35E-05	1.20E-04	1.80E-05	5.57E-05
2272	437761.38	3762539.11	2.26E-04	7.70E-04	3.51E-05	1.26E-04	1.89E-05	5.83E-05
2273	437764.94	3762547.73	2.36E-04	8.06E-04	3.67E-05	1.32E-04	1.98E-05	6.11E-05
2274	437768.5	3762556.35	2.48E-04	8.44E-04	3.85E-05	1.38E-04	2.07E-05	6.40E-05
2275	437772.06	3762564.97	2.59E-04	8.84E-04	4.03E-05	1.44E-04	2.17E-05	6.70E-05
2276	437775.62	3762573.59	2.72E-04	9.27E-04	4.22E-05	1.51E-04	2.27E-05	7.02E-05
2277	437779.18	3762582.21	2.85E-04	9.71E-04	4.43E-05	1.59E-04	2.38E-05	7.36E-05
2278	437782.74	3762590.83	2.99E-04	1.02E-03	4.64E-05	1.66E-04	2.50E-05	7.72E-05
2279	437786.3	3762599.45	3.13E-04	1.07E-03	4.87E-05	1.75E-04	2.62E-05	8.10E-05
2280	437789.86	3762608.07	3.29E-04	1.12E-03	5.10E-05	1.83E-04	2.75E-05	8.49E-05
2281	437793.42	3762616.69	3.44E-04	1.17E-03	5.35E-05	1.92E-04	2.88E-05	8.90E-05
2282	437796.98	3762625.31	3.61E-04	1.23E-03	5.61E-05	2.01E-04	3.02E-05	9.33E-05
2283	437800.54	3762633.93	3.78E-04	1.29E-03	5.88E-05	2.11E-04	3.17E-05	9.77E-05
2284	437804.1	3762642.55	3.96E-04	1.35E-03	6.16E-05	2.21E-04	3.32E-05	1.02E-04

2285	437807.66	3762651.17	4.15E-04	1.41E-03	6.44E-05	2.31E-04	3.47E-05	1.07E-04
2286	437811.22	3762659.79	4.34E-04	1.48E-03	6.74E-05	2.42E-04	3.63E-05	1.12E-04
2287	437814.78	3762668.41	4.53E-04	1.54E-03	7.04E-05	2.52E-04	3.79E-05	1.17E-04
2288	437818.34	3762677.03	4.72E-04	1.61E-03	7.34E-05	2.63E-04	3.95E-05	1.22E-04
2289	437821.9	3762685.65	4.92E-04	1.68E-03	7.64E-05	2.74E-04	4.12E-05	1.27E-04
2290	437825.46	3762694.27	5.11E-04	1.74E-03	7.94E-05	2.85E-04	4.28E-05	1.32E-04
2291	437829.02	3762702.89	5.30E-04	1.81E-03	8.23E-05	2.95E-04	4.43E-05	1.37E-04
2292	437832.58	3762711.51	5.48E-04	1.87E-03	8.52E-05	3.05E-04	4.59E-05	1.42E-04
2293	437546.72	3762439.72	1.38E-04	4.70E-04	2.14E-05	7.69E-05	1.15E-05	3.56E-05
2294	437537.33	3762439.72	1.37E-04	4.66E-04	2.13E-05	7.62E-05	1.14E-05	3.53E-05
2295	437527.94	3762439.72	1.36E-04	4.62E-04	2.11E-05	7.55E-05	1.13E-05	3.50E-05
2296	437518.55	3762439.72	1.34E-04	4.57E-04	2.08E-05	7.47E-05	1.12E-05	3.47E-05
2297	437509.16	3762439.72	1.33E-04	4.53E-04	2.06E-05	7.39E-05	1.11E-05	3.43E-05
2298	437499.77	3762439.73	1.31E-04	4.47E-04	2.04E-05	7.31E-05	1.10E-05	3.39E-05
2299	437490.38	3762439.73	1.30E-04	4.42E-04	2.01E-05	7.22E-05	1.09E-05	3.35E-05
2300	437480.99	3762439.73	1.28E-04	4.37E-04	1.99E-05	7.14E-05	1.07E-05	3.31E-05
2301	437471.6	3762439.73	1.27E-04	4.31E-04	1.97E-05	7.05E-05	1.06E-05	3.27E-05
2302	437462.21	3762439.73	1.25E-04	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
2303	437452.82	3762439.73	1.23E-04	4.20E-04	1.92E-05	6.87E-05	1.03E-05	3.19E-05
2304	437443.43	3762439.73	1.22E-04	4.15E-04	1.89E-05	6.78E-05	1.02E-05	3.14E-05
2305	437581.59	3762430.28	1.33E-04	4.53E-04	2.06E-05	7.40E-05	1.11E-05	3.43E-05
2306	437590.08	3762433.8	1.36E-04	4.65E-04	2.12E-05	7.60E-05	1.14E-05	3.52E-05
2307	437598.57	3762437.32	1.40E-04	4.77E-04	2.17E-05	7.80E-05	1.17E-05	3.62E-05
2308	437607.07	3762440.84	1.43E-04	4.89E-04	2.23E-05	7.99E-05	1.20E-05	3.71E-05
2309	437615.56	3762444.36	1.47E-04	5.01E-04	2.28E-05	8.18E-05	1.23E-05	3.79E-05
2310	437624.05	3762447.88	1.50E-04	5.12E-04	2.33E-05	8.37E-05	1.26E-05	3.88E-05
2311	437632.54	3762451.4	1.53E-04	5.23E-04	2.38E-05	8.55E-05	1.28E-05	3.96E-05
2312	437641.03	3762454.93	1.57E-04	5.34E-04	2.43E-05	8.72E-05	1.31E-05	4.05E-05
2313	437649.53	3762458.45	1.60E-04	5.44E-04	2.48E-05	8.89E-05	1.34E-05	4.12E-05
2314	437658.02	3762461.97	1.62E-04	5.54E-04	2.52E-05	9.04E-05	1.36E-05	4.20E-05
2315	437666.51	3762465.49	1.65E-04	5.63E-04	2.56E-05	9.19E-05	1.38E-05	4.26E-05
2316	437675	3762469.01	1.68E-04	5.71E-04	2.60E-05	9.33E-05	1.40E-05	4.33E-05
2317	437683.5	3762472.53	1.70E-04	5.79E-04	2.64E-05	9.47E-05	1.42E-05	4.39E-05
2318	437691.99	3762476.05	1.72E-04	5.87E-04	2.67E-05	9.59E-05	1.44E-05	4.45E-05
2319	437700.48	3762479.57	1.74E-04	5.94E-04	2.71E-05	9.70E-05	1.46E-05	4.50E-05
2320	437708.97	3762483.09	1.76E-04	6.00E-04	2.73E-05	9.80E-05	1.47E-05	4.55E-05
2321	437717.46	3762486.61	1.78E-04	6.05E-04	2.76E-05	9.89E-05	1.49E-05	4.59E-05
2322	437725.96	3762490.13	1.79E-04	6.10E-04	2.78E-05	9.97E-05	1.50E-05	4.62E-05
2323	437734.45	3762493.65	1.80E-04	6.15E-04	2.80E-05	1.00E-04	1.51E-05	4.66E-05
2324	437742.94	3762497.17	1.81E-04	6.18E-04	2.82E-05	1.01E-04	1.52E-05	4.68E-05
2325	437751.43	3762500.69	1.82E-04	6.21E-04	2.83E-05	1.02E-04	1.53E-05	4.71E-05
2326	437759.92	3762504.21	1.83E-04	6.24E-04	2.84E-05	1.02E-04	1.53E-05	4.73E-05
2327	437771.93	3762516.23	1.92E-04	6.53E-04	2.98E-05	1.07E-04	1.60E-05	4.95E-05
2328	437775.43	3762524.73	2.00E-04	6.82E-04	3.11E-05	1.11E-04	1.67E-05	5.17E-05
2329	437778.94	3762533.22	2.09E-04	7.12E-04	3.24E-05	1.16E-04	1.75E-05	5.39E-05
2330	437782.45	3762541.72	2.18E-04	7.43E-04	3.39E-05	1.21E-04	1.82E-05	5.63E-05
2331	437785.96	3762550.22	2.28E-04	7.76E-04	3.54E-05	1.27E-04	1.90E-05	5.88E-05
2332	437789.47	3762558.71	2.38E-04	8.10E-04	3.69E-05	1.32E-04	1.99E-05	6.14E-05
2333	437792.98	3762567.21	2.48E-04	8.46E-04	3.86E-05	1.38E-04	2.08E-05	6.41E-05
2334	437796.49	3762575.71	2.59E-04	8.85E-04	4.03E-05	1.45E-04	2.17E-05	6.70E-05
2335	437800	3762584.21	2.71E-04	9.25E-04	4.21E-05	1.51E-04	2.27E-05	7.01E-05
2336	437803.51	3762592.7	2.83E-04	9.67E-04	4.40E-05	1.58E-04	2.37E-05	7.33E-05

2337	437807.02	3762601.2	2.96E-04	1.01E-03	4.60E-05	1.65E-04	2.48E-05	7.66E-05
2338	437810.52	3762609.7	3.10E-04	1.06E-03	4.81E-05	1.73E-04	2.59E-05	8.00E-05
2339	437814.03	3762618.19	3.24E-04	1.10E-03	5.03E-05	1.80E-04	2.71E-05	8.36E-05
2340	437817.54	3762626.69	3.38E-04	1.15E-03	5.25E-05	1.88E-04	2.83E-05	8.73E-05
2341	437821.05	3762635.19	3.53E-04	1.20E-03	5.48E-05	1.97E-04	2.95E-05	9.12E-05
2342	437824.56	3762643.68	3.68E-04	1.26E-03	5.72E-05	2.05E-04	3.08E-05	9.52E-05
2343	437828.07	3762652.18	3.84E-04	1.31E-03	5.97E-05	2.14E-04	3.22E-05	9.93E-05
2344	437831.58	3762660.68	4.00E-04	1.37E-03	6.22E-05	2.23E-04	3.35E-05	1.03E-04
2345	437835.09	3762669.18	4.17E-04	1.42E-03	6.48E-05	2.32E-04	3.49E-05	1.08E-04
2346	437838.6	3762677.67	4.33E-04	1.48E-03	6.73E-05	2.41E-04	3.63E-05	1.12E-04
2347	437842.1	3762686.17	4.50E-04	1.53E-03	6.99E-05	2.51E-04	3.76E-05	1.16E-04
2348	437845.61	3762694.67	4.66E-04	1.59E-03	7.24E-05	2.60E-04	3.90E-05	1.20E-04
2349	437849.12	3762703.16	4.82E-04	1.64E-03	7.49E-05	2.68E-04	4.03E-05	1.24E-04
2350	437852.63	3762711.66	4.97E-04	1.70E-03	7.73E-05	2.77E-04	4.16E-05	1.29E-04
2351	437546.72	3762419.72	1.21E-04	4.13E-04	1.88E-05	6.75E-05	1.01E-05	3.13E-05
2352	437537.33	3762419.72	1.20E-04	4.09E-04	1.86E-05	6.69E-05	1.00E-05	3.10E-05
2353	437527.94	3762419.72	1.19E-04	4.05E-04	1.85E-05	6.62E-05	9.95E-06	3.07E-05
2354	437518.55	3762419.72	1.18E-04	4.01E-04	1.83E-05	6.56E-05	9.85E-06	3.04E-05
2355	437509.16	3762419.72	1.16E-04	3.97E-04	1.81E-05	6.49E-05	9.75E-06	3.01E-05
2356	437499.77	3762419.73	1.15E-04	3.93E-04	1.79E-05	6.41E-05	9.64E-06	2.98E-05
2357	437490.38	3762419.73	1.14E-04	3.88E-04	1.77E-05	6.34E-05	9.53E-06	2.94E-05
2358	437480.99	3762419.73	1.12E-04	3.83E-04	1.75E-05	6.26E-05	9.41E-06	2.91E-05
2359	437471.6	3762419.73	1.11E-04	3.79E-04	1.73E-05	6.19E-05	9.30E-06	2.87E-05
2360	437462.21	3762419.73	1.10E-04	3.74E-04	1.71E-05	6.11E-05	9.19E-06	2.84E-05
2361	437452.81	3762419.73	1.08E-04	3.70E-04	1.68E-05	6.04E-05	9.07E-06	2.80E-05
2362	437443.42	3762419.73	1.07E-04	3.65E-04	1.66E-05	5.96E-05	8.96E-06	2.77E-05
2363	437582.06	3762400.48	1.11E-04	3.77E-04	1.72E-05	6.16E-05	9.26E-06	2.86E-05
2364	437590.71	3762404.06	1.14E-04	3.87E-04	1.76E-05	6.32E-05	9.50E-06	2.93E-05
2365	437599.36	3762407.65	1.16E-04	3.97E-04	1.81E-05	6.49E-05	9.75E-06	3.01E-05
2366	437608.01	3762411.23	1.19E-04	4.07E-04	1.85E-05	6.65E-05	9.99E-06	3.08E-05
2367	437616.66	3762414.82	1.22E-04	4.17E-04	1.90E-05	6.81E-05	1.02E-05	3.16E-05
2368	437625.31	3762418.41	1.25E-04	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
2369	437633.96	3762421.99	1.28E-04	4.35E-04	1.98E-05	7.11E-05	1.07E-05	3.30E-05
2370	437642.6	3762425.58	1.30E-04	4.44E-04	2.03E-05	7.26E-05	1.09E-05	3.37E-05
2371	437651.25	3762429.16	1.33E-04	4.53E-04	2.06E-05	7.40E-05	1.11E-05	3.43E-05
2372	437659.9	3762432.75	1.35E-04	4.62E-04	2.10E-05	7.54E-05	1.13E-05	3.50E-05
2373	437668.55	3762436.33	1.38E-04	4.70E-04	2.14E-05	7.67E-05	1.15E-05	3.56E-05
2374	437677.2	3762439.92	1.40E-04	4.77E-04	2.17E-05	7.79E-05	1.17E-05	3.62E-05
2375	437685.85	3762443.51	1.42E-04	4.84E-04	2.21E-05	7.91E-05	1.19E-05	3.67E-05
2376	437694.5	3762447.09	1.44E-04	4.91E-04	2.24E-05	8.02E-05	1.20E-05	3.72E-05
2377	437703.15	3762450.68	1.46E-04	4.97E-04	2.27E-05	8.12E-05	1.22E-05	3.77E-05
2378	437711.8	3762454.26	1.47E-04	5.03E-04	2.29E-05	8.22E-05	1.23E-05	3.81E-05
2379	437720.45	3762457.85	1.49E-04	5.08E-04	2.32E-05	8.30E-05	1.25E-05	3.85E-05
2380	437729.1	3762461.43	1.50E-04	5.13E-04	2.34E-05	8.38E-05	1.26E-05	3.89E-05
2381	437737.75	3762465.02	1.52E-04	5.17E-04	2.36E-05	8.45E-05	1.27E-05	3.92E-05
2382	437746.4	3762468.61	1.53E-04	5.21E-04	2.37E-05	8.51E-05	1.28E-05	3.95E-05
2383	437755.05	3762472.19	1.54E-04	5.24E-04	2.39E-05	8.57E-05	1.29E-05	3.97E-05
2384	437763.7	3762475.78	1.55E-04	5.27E-04	2.40E-05	8.61E-05	1.29E-05	4.00E-05
2385	437772.35	3762479.36	1.55E-04	5.30E-04	2.41E-05	8.65E-05	1.30E-05	4.01E-05
2386	437781	3762482.95	1.56E-04	5.32E-04	2.42E-05	8.69E-05	1.31E-05	4.03E-05
2387	437793.22	3762495.19	1.63E-04	5.55E-04	2.53E-05	9.07E-05	1.36E-05	4.21E-05
2388	437796.79	3762503.84	1.70E-04	5.78E-04	2.63E-05	9.44E-05	1.42E-05	4.38E-05

2389	437800.37	3762512.5	1.76E-04	6.02E-04	2.74E-05	9.83E-05	1.48E-05	4.56E-05
2390	437803.94	3762521.15	1.84E-04	6.26E-04	2.85E-05	1.02E-04	1.54E-05	4.75E-05
2391	437807.51	3762529.81	1.91E-04	6.52E-04	2.97E-05	1.07E-04	1.60E-05	4.94E-05
2392	437811.09	3762538.46	1.99E-04	6.79E-04	3.10E-05	1.11E-04	1.67E-05	5.15E-05
2393	437814.66	3762547.11	2.08E-04	7.08E-04	3.22E-05	1.16E-04	1.74E-05	5.36E-05
2394	437818.24	3762555.77	2.16E-04	7.38E-04	3.36E-05	1.21E-04	1.81E-05	5.59E-05
2395	437821.81	3762564.42	2.26E-04	7.69E-04	3.50E-05	1.26E-04	1.89E-05	5.83E-05
2396	437825.38	3762573.08	2.35E-04	8.02E-04	3.65E-05	1.31E-04	1.97E-05	6.08E-05
2397	437828.96	3762581.73	2.45E-04	8.36E-04	3.81E-05	1.37E-04	2.05E-05	6.34E-05
2398	437832.53	3762590.39	2.56E-04	8.72E-04	3.97E-05	1.42E-04	2.14E-05	6.61E-05
2399	437836.11	3762599.04	2.67E-04	9.09E-04	4.14E-05	1.49E-04	2.23E-05	6.89E-05
2400	437839.68	3762607.69	2.78E-04	9.48E-04	4.32E-05	1.55E-04	2.33E-05	7.18E-05
2401	437843.25	3762616.35	2.90E-04	9.88E-04	4.50E-05	1.61E-04	2.43E-05	7.49E-05
2402	437846.83	3762625	3.02E-04	1.03E-03	4.69E-05	1.68E-04	2.53E-05	7.80E-05
2403	437850.4	3762633.66	3.14E-04	1.07E-03	4.89E-05	1.75E-04	2.63E-05	8.12E-05
2404	437853.97	3762642.31	3.27E-04	1.12E-03	5.08E-05	1.82E-04	2.74E-05	8.45E-05
2405	437857.55	3762650.97	3.40E-04	1.16E-03	5.29E-05	1.90E-04	2.85E-05	8.79E-05
2406	437861.12	3762659.62	3.53E-04	1.21E-03	5.49E-05	1.97E-04	2.96E-05	9.13E-05
2407	437864.7	3762668.27	3.67E-04	1.25E-03	5.70E-05	2.04E-04	3.07E-05	9.48E-05
2408	437868.27	3762676.93	3.81E-04	1.30E-03	5.91E-05	2.12E-04	3.19E-05	9.83E-05
2409	437871.84	3762685.58	3.94E-04	1.34E-03	6.12E-05	2.19E-04	3.30E-05	1.02E-04
2410	437875.42	3762694.24	4.07E-04	1.39E-03	6.33E-05	2.27E-04	3.41E-05	1.05E-04
2411	437878.99	3762702.89	4.20E-04	1.43E-03	6.53E-05	2.34E-04	3.52E-05	1.09E-04
2412	437882.57	3762711.55	4.33E-04	1.48E-03	6.73E-05	2.41E-04	3.63E-05	1.12E-04
2413	437546.72	3762389.72	1.01E-04	3.44E-04	1.57E-05	5.62E-05	8.45E-06	2.61E-05
2414	437537.33	3762389.72	1.00E-04	3.41E-04	1.55E-05	5.57E-05	8.37E-06	2.58E-05
2415	437527.94	3762389.72	9.90E-05	3.38E-04	1.54E-05	5.52E-05	8.29E-06	2.56E-05
2416	437518.55	3762389.72	9.80E-05	3.34E-04	1.52E-05	5.46E-05	8.21E-06	2.53E-05
2417	437509.16	3762389.72	9.70E-05	3.31E-04	1.51E-05	5.40E-05	8.12E-06	2.51E-05
2418	437499.77	3762389.73	9.60E-05	3.27E-04	1.49E-05	5.35E-05	8.03E-06	2.48E-05
2419	437490.37	3762389.73	9.49E-05	3.24E-04	1.47E-05	5.29E-05	7.94E-06	2.45E-05
2420	437480.98	3762389.73	9.38E-05	3.20E-04	1.46E-05	5.23E-05	7.85E-06	2.42E-05
2421	437471.59	3762389.73	9.27E-05	3.16E-04	1.44E-05	5.16E-05	7.76E-06	2.40E-05
2422	437462.2	3762389.73	9.16E-05	3.12E-04	1.42E-05	5.10E-05	7.67E-06	2.37E-05
2423	437452.81	3762389.73	9.06E-05	3.09E-04	1.41E-05	5.05E-05	7.58E-06	2.34E-05
2424	437443.42	3762389.73	8.95E-05	3.05E-04	1.39E-05	4.99E-05	7.49E-06	2.31E-05
2425	437581.58	3762370.28	9.31E-05	3.17E-04	1.45E-05	5.19E-05	7.79E-06	2.41E-05
2426	437590.08	3762373.8	9.54E-05	3.25E-04	1.48E-05	5.32E-05	7.99E-06	2.47E-05
2427	437598.57	3762377.32	9.78E-05	3.33E-04	1.52E-05	5.45E-05	8.18E-06	2.53E-05
2428	437607.06	3762380.84	1.00E-04	3.41E-04	1.56E-05	5.58E-05	8.38E-06	2.59E-05
2429	437615.55	3762384.36	1.02E-04	3.49E-04	1.59E-05	5.71E-05	8.57E-06	2.65E-05
2430	437624.05	3762387.88	1.05E-04	3.57E-04	1.63E-05	5.83E-05	8.76E-06	2.71E-05
2431	437632.54	3762391.4	1.07E-04	3.65E-04	1.66E-05	5.96E-05	8.95E-06	2.76E-05
2432	437641.03	3762394.93	1.09E-04	3.72E-04	1.70E-05	6.08E-05	9.14E-06	2.82E-05
2433	437649.52	3762398.45	1.11E-04	3.80E-04	1.73E-05	6.20E-05	9.32E-06	2.88E-05
2434	437658.01	3762401.97	1.13E-04	3.87E-04	1.76E-05	6.32E-05	9.49E-06	2.93E-05
2435	437666.51	3762405.49	1.15E-04	3.94E-04	1.79E-05	6.43E-05	9.66E-06	2.98E-05
2436	437675	3762409.01	1.17E-04	4.00E-04	1.82E-05	6.54E-05	9.82E-06	3.03E-05
2437	437683.49	3762412.53	1.19E-04	4.06E-04	1.85E-05	6.64E-05	9.98E-06	3.08E-05
2438	437691.98	3762416.05	1.21E-04	4.12E-04	1.88E-05	6.74E-05	1.01E-05	3.12E-05
2439	437700.47	3762419.57	1.23E-04	4.18E-04	1.90E-05	6.83E-05	1.03E-05	3.17E-05
2440	437708.97	3762423.09	1.24E-04	4.23E-04	1.93E-05	6.92E-05	1.04E-05	3.21E-05

2441	437717.46	3762426.61	1.26E-04	4.28E-04	1.95E-05	7.00E-05	1.05E-05	3.25E-05
2442	437725.95	3762430.13	1.27E-04	4.33E-04	1.97E-05	7.07E-05	1.06E-05	3.28E-05
2443	437734.44	3762433.65	1.28E-04	4.37E-04	1.99E-05	7.14E-05	1.07E-05	3.31E-05
2444	437742.94	3762437.17	1.29E-04	4.41E-04	2.01E-05	7.21E-05	1.08E-05	3.34E-05
2445	437751.43	3762440.69	1.30E-04	4.45E-04	2.03E-05	7.26E-05	1.09E-05	3.37E-05
2446	437759.92	3762444.21	1.31E-04	4.48E-04	2.04E-05	7.32E-05	1.10E-05	3.39E-05
2447	437768.41	3762447.73	1.32E-04	4.51E-04	2.05E-05	7.36E-05	1.11E-05	3.42E-05
2448	437776.9	3762451.25	1.33E-04	4.53E-04	2.07E-05	7.40E-05	1.11E-05	3.43E-05
2449	437785.4	3762454.77	1.34E-04	4.55E-04	2.08E-05	7.44E-05	1.12E-05	3.45E-05
2450	437793.89	3762458.29	1.34E-04	4.57E-04	2.08E-05	7.47E-05	1.12E-05	3.47E-05
2451	437802.38	3762461.82	1.35E-04	4.59E-04	2.09E-05	7.50E-05	1.13E-05	3.48E-05
2452	437814.38	3762473.83	1.40E-04	4.77E-04	2.17E-05	7.80E-05	1.17E-05	3.62E-05
2453	437817.89	3762482.33	1.45E-04	4.95E-04	2.26E-05	8.09E-05	1.21E-05	3.75E-05
2454	437821.4	3762490.83	1.51E-04	5.13E-04	2.34E-05	8.38E-05	1.26E-05	3.89E-05
2455	437824.91	3762499.32	1.56E-04	5.32E-04	2.43E-05	8.70E-05	1.31E-05	4.03E-05
2456	437828.42	3762507.82	1.62E-04	5.52E-04	2.52E-05	9.02E-05	1.36E-05	4.18E-05
2457	437831.93	3762516.32	1.68E-04	5.73E-04	2.61E-05	9.36E-05	1.41E-05	4.34E-05
2458	437835.43	3762524.81	1.74E-04	5.95E-04	2.71E-05	9.71E-05	1.46E-05	4.51E-05
2459	437838.94	3762533.31	1.81E-04	6.17E-04	2.81E-05	1.01E-04	1.51E-05	4.68E-05
2460	437842.45	3762541.81	1.88E-04	6.41E-04	2.92E-05	1.05E-04	1.57E-05	4.86E-05
2461	437845.96	3762550.31	1.95E-04	6.66E-04	3.03E-05	1.09E-04	1.63E-05	5.05E-05
2462	437849.47	3762558.8	2.03E-04	6.92E-04	3.15E-05	1.13E-04	1.70E-05	5.24E-05
2463	437852.98	3762567.3	2.11E-04	7.19E-04	3.28E-05	1.17E-04	1.77E-05	5.45E-05
2464	437856.49	3762575.8	2.19E-04	7.47E-04	3.41E-05	1.22E-04	1.83E-05	5.66E-05
2465	437860	3762584.29	2.28E-04	7.76E-04	3.54E-05	1.27E-04	1.91E-05	5.88E-05
2466	437863.51	3762592.79	2.37E-04	8.07E-04	3.68E-05	1.32E-04	1.98E-05	6.11E-05
2467	437867.01	3762601.29	2.46E-04	8.39E-04	3.82E-05	1.37E-04	2.06E-05	6.35E-05
2468	437870.52	3762609.78	2.55E-04	8.71E-04	3.97E-05	1.42E-04	2.14E-05	6.60E-05
2469	437874.03	3762618.28	2.65E-04	9.04E-04	4.12E-05	1.48E-04	2.22E-05	6.85E-05
2470	437877.54	3762626.78	2.75E-04	9.39E-04	4.28E-05	1.53E-04	2.30E-05	7.11E-05
2471	437881.05	3762635.27	2.86E-04	9.74E-04	4.44E-05	1.59E-04	2.39E-05	7.38E-05
2472	437884.56	3762643.77	2.96E-04	1.01E-03	4.60E-05	1.65E-04	2.48E-05	7.65E-05
2473	437888.07	3762652.27	3.07E-04	1.05E-03	4.76E-05	1.71E-04	2.57E-05	7.92E-05
2474	437891.58	3762660.77	3.17E-04	1.08E-03	4.93E-05	1.77E-04	2.66E-05	8.20E-05
2475	437895.09	3762669.26	3.28E-04	1.12E-03	5.10E-05	1.83E-04	2.75E-05	8.48E-05
2476	437898.6	3762677.76	3.39E-04	1.16E-03	5.27E-05	1.89E-04	2.84E-05	8.76E-05
2477	437902.1	3762686.26	3.50E-04	1.19E-03	5.43E-05	1.95E-04	2.93E-05	9.04E-05
2478	437905.61	3762694.75	3.60E-04	1.23E-03	5.60E-05	2.01E-04	3.02E-05	9.31E-05
2479	437909.12	3762703.25	3.71E-04	1.26E-03	5.76E-05	2.06E-04	3.10E-05	9.58E-05
2480	437912.63	3762711.75	3.81E-04	1.30E-03	5.92E-05	2.12E-04	3.19E-05	9.84E-05
2481	437546.72	3762359.72	8.53E-05	2.91E-04	1.33E-05	4.75E-05	7.14E-06	2.21E-05
2482	437537.33	3762359.72	8.46E-05	2.88E-04	1.31E-05	4.71E-05	7.08E-06	2.18E-05
2483	437527.94	3762359.72	8.37E-05	2.86E-04	1.30E-05	4.66E-05	7.01E-06	2.16E-05
2484	437518.54	3762359.72	8.29E-05	2.83E-04	1.29E-05	4.62E-05	6.94E-06	2.14E-05
2485	437509.15	3762359.72	8.20E-05	2.80E-04	1.27E-05	4.57E-05	6.87E-06	2.12E-05
2486	437499.76	3762359.73	8.11E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
2487	437490.37	3762359.73	8.03E-05	2.74E-04	1.25E-05	4.47E-05	6.72E-06	2.07E-05
2488	437480.98	3762359.73	7.94E-05	2.71E-04	1.23E-05	4.42E-05	6.64E-06	2.05E-05
2489	437471.59	3762359.73	7.85E-05	2.68E-04	1.22E-05	4.37E-05	6.57E-06	2.03E-05
2490	437462.2	3762359.73	7.76E-05	2.65E-04	1.21E-05	4.33E-05	6.50E-06	2.01E-05
2491	437452.81	3762359.73	7.68E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.98E-05
2492	437443.42	3762359.73	7.60E-05	2.59E-04	1.18E-05	4.23E-05	6.36E-06	1.96E-05

2493	437581.98	3762340.45	7.96E-05	2.71E-04	1.24E-05	4.43E-05	6.66E-06	2.06E-05
2494	437590.6	3762344.02	8.15E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.11E-05
2495	437599.23	3762347.6	8.35E-05	2.85E-04	1.30E-05	4.65E-05	6.99E-06	2.16E-05
2496	437607.85	3762351.17	8.55E-05	2.91E-04	1.33E-05	4.76E-05	7.15E-06	2.21E-05
2497	437616.48	3762354.75	8.74E-05	2.98E-04	1.36E-05	4.87E-05	7.32E-06	2.26E-05
2498	437625.1	3762358.32	8.94E-05	3.05E-04	1.39E-05	4.98E-05	7.48E-06	2.31E-05
2499	437633.73	3762361.9	9.13E-05	3.11E-04	1.42E-05	5.08E-05	7.64E-06	2.36E-05
2500	437642.35	3762365.48	9.32E-05	3.18E-04	1.45E-05	5.19E-05	7.80E-06	2.41E-05
2501	437650.98	3762369.05	9.50E-05	3.24E-04	1.48E-05	5.29E-05	7.95E-06	2.45E-05
2502	437659.6	3762372.63	9.68E-05	3.30E-04	1.50E-05	5.39E-05	8.10E-06	2.50E-05
2503	437668.23	3762376.2	9.86E-05	3.36E-04	1.53E-05	5.49E-05	8.25E-06	2.55E-05
2504	437676.85	3762379.78	1.00E-04	3.42E-04	1.56E-05	5.58E-05	8.39E-06	2.59E-05
2505	437685.48	3762383.35	1.02E-04	3.47E-04	1.58E-05	5.68E-05	8.53E-06	2.63E-05
2506	437694.1	3762386.93	1.03E-04	3.53E-04	1.61E-05	5.76E-05	8.66E-06	2.67E-05
2507	437702.73	3762390.5	1.05E-04	3.58E-04	1.63E-05	5.85E-05	8.78E-06	2.71E-05
2508	437711.35	3762394.08	1.06E-04	3.63E-04	1.65E-05	5.92E-05	8.90E-06	2.75E-05
2509	437719.98	3762397.66	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.01E-06	2.78E-05
2510	437728.6	3762401.23	1.09E-04	3.71E-04	1.69E-05	6.07E-05	9.12E-06	2.81E-05
2511	437737.23	3762404.81	1.10E-04	3.75E-04	1.71E-05	6.13E-05	9.22E-06	2.85E-05
2512	437745.85	3762408.38	1.11E-04	3.79E-04	1.73E-05	6.19E-05	9.31E-06	2.87E-05
2513	437754.48	3762411.96	1.12E-04	3.83E-04	1.74E-05	6.25E-05	9.39E-06	2.90E-05
2514	437763.1	3762415.53	1.13E-04	3.86E-04	1.76E-05	6.30E-05	9.47E-06	2.92E-05
2515	437771.73	3762419.11	1.14E-04	3.89E-04	1.77E-05	6.35E-05	9.54E-06	2.94E-05
2516	437780.35	3762422.68	1.15E-04	3.91E-04	1.78E-05	6.39E-05	9.60E-06	2.96E-05
2517	437788.98	3762426.26	1.15E-04	3.93E-04	1.79E-05	6.43E-05	9.66E-06	2.98E-05
2518	437797.6	3762429.83	1.16E-04	3.96E-04	1.80E-05	6.46E-05	9.71E-06	3.00E-05
2519	437806.23	3762433.41	1.17E-04	3.97E-04	1.81E-05	6.49E-05	9.75E-06	3.01E-05
2520	437814.85	3762436.99	1.17E-04	3.99E-04	1.82E-05	6.52E-05	9.79E-06	3.02E-05
2521	437823.48	3762440.56	1.17E-04	4.00E-04	1.82E-05	6.54E-05	9.82E-06	3.03E-05
2522	437835.66	3762452.77	1.22E-04	4.15E-04	1.89E-05	6.78E-05	1.02E-05	3.15E-05
2523	437839.23	3762461.4	1.26E-04	4.29E-04	1.96E-05	7.02E-05	1.05E-05	3.25E-05
2524	437842.79	3762470.03	1.30E-04	4.44E-04	2.03E-05	7.26E-05	1.09E-05	3.37E-05
2525	437846.36	3762478.66	1.35E-04	4.60E-04	2.10E-05	7.52E-05	1.13E-05	3.49E-05
2526	437849.92	3762487.29	1.40E-04	4.76E-04	2.17E-05	7.78E-05	1.17E-05	3.61E-05
2527	437853.48	3762495.92	1.45E-04	4.93E-04	2.25E-05	8.06E-05	1.21E-05	3.74E-05
2528	437857.05	3762504.55	1.50E-04	5.11E-04	2.33E-05	8.34E-05	1.25E-05	3.87E-05
2529	437860.61	3762513.17	1.55E-04	5.29E-04	2.41E-05	8.64E-05	1.30E-05	4.01E-05
2530	437864.17	3762521.8	1.61E-04	5.48E-04	2.50E-05	8.95E-05	1.35E-05	4.15E-05
2531	437867.74	3762530.43	1.67E-04	5.68E-04	2.59E-05	9.28E-05	1.39E-05	4.30E-05
2532	437871.3	3762539.06	1.73E-04	5.89E-04	2.68E-05	9.62E-05	1.45E-05	4.46E-05
2533	437874.86	3762547.69	1.79E-04	6.10E-04	2.78E-05	9.97E-05	1.50E-05	4.63E-05
2534	437878.43	3762556.32	1.86E-04	6.33E-04	2.88E-05	1.03E-04	1.55E-05	4.80E-05
2535	437881.99	3762564.95	1.93E-04	6.57E-04	2.99E-05	1.07E-04	1.61E-05	4.98E-05
2536	437885.56	3762573.58	2.00E-04	6.81E-04	3.10E-05	1.11E-04	1.67E-05	5.16E-05
2537	437889.12	3762582.21	2.07E-04	7.07E-04	3.22E-05	1.15E-04	1.73E-05	5.36E-05
2538	437892.68	3762590.84	2.15E-04	7.33E-04	3.34E-05	1.20E-04	1.80E-05	5.56E-05
2539	437896.25	3762599.47	2.23E-04	7.61E-04	3.47E-05	1.24E-04	1.87E-05	5.76E-05
2540	437899.81	3762608.1	2.31E-04	7.89E-04	3.59E-05	1.29E-04	1.94E-05	5.98E-05
2541	437903.37	3762616.73	2.40E-04	8.17E-04	3.72E-05	1.34E-04	2.01E-05	6.19E-05
2542	437906.94	3762625.36	2.48E-04	8.47E-04	3.86E-05	1.38E-04	2.08E-05	6.42E-05
2543	437910.5	3762633.99	2.57E-04	8.77E-04	3.99E-05	1.43E-04	2.15E-05	6.64E-05
2544	437914.07	3762642.62	2.66E-04	9.07E-04	4.13E-05	1.48E-04	2.23E-05	6.87E-05

2545	437917.63	3762651.25	2.75E-04	9.38E-04	4.27E-05	1.53E-04	2.30E-05	7.11E-05
2546	437921.19	3762659.88	2.84E-04	9.68E-04	4.41E-05	1.58E-04	2.38E-05	7.34E-05
2547	437924.76	3762668.51	2.93E-04	9.99E-04	4.55E-05	1.63E-04	2.45E-05	7.57E-05
2548	437928.32	3762677.14	3.02E-04	1.03E-03	4.69E-05	1.68E-04	2.53E-05	7.81E-05
2549	437931.88	3762685.77	3.11E-04	1.06E-03	4.83E-05	1.73E-04	2.60E-05	8.04E-05
2550	437935.45	3762694.4	3.20E-04	1.09E-03	4.97E-05	1.78E-04	2.68E-05	8.26E-05
2551	437939.01	3762703.03	3.28E-04	1.12E-03	5.10E-05	1.83E-04	2.75E-05	8.48E-05
2552	437942.58	3762711.66	3.37E-04	1.15E-03	5.23E-05	1.88E-04	2.82E-05	8.70E-05
2553	437546.71	3762329.72	7.31E-05	2.49E-04	1.14E-05	4.07E-05	6.12E-06	1.89E-05
2554	437537.32	3762329.72	7.24E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
2555	437527.93	3762329.72	7.17E-05	2.44E-04	1.11E-05	3.99E-05	6.00E-06	1.85E-05
2556	437518.54	3762329.72	7.10E-05	2.42E-04	1.10E-05	3.95E-05	5.94E-06	1.83E-05
2557	437509.15	3762329.72	7.02E-05	2.40E-04	1.09E-05	3.91E-05	5.88E-06	1.81E-05
2558	437499.76	3762329.73	6.95E-05	2.37E-04	1.08E-05	3.87E-05	5.82E-06	1.80E-05
2559	437490.37	3762329.73	6.88E-05	2.35E-04	1.07E-05	3.83E-05	5.76E-06	1.78E-05
2560	437480.98	3762329.73	6.81E-05	2.32E-04	1.06E-05	3.79E-05	5.70E-06	1.76E-05
2561	437471.59	3762329.73	6.73E-05	2.30E-04	1.05E-05	3.75E-05	5.64E-06	1.74E-05
2562	437462.2	3762329.73	6.66E-05	2.27E-04	1.04E-05	3.71E-05	5.58E-06	1.72E-05
2563	437452.81	3762329.73	6.59E-05	2.25E-04	1.02E-05	3.67E-05	5.52E-06	1.70E-05
2564	437443.42	3762329.73	6.53E-05	2.23E-04	1.01E-05	3.64E-05	5.46E-06	1.69E-05
2565	437581.58	3762310.28	6.86E-05	2.34E-04	1.07E-05	3.82E-05	5.74E-06	1.77E-05
2566	437590.07	3762313.8	7.02E-05	2.39E-04	1.09E-05	3.91E-05	5.88E-06	1.81E-05
2567	437598.56	3762317.32	7.18E-05	2.45E-04	1.12E-05	4.00E-05	6.01E-06	1.86E-05
2568	437607.06	3762320.84	7.35E-05	2.51E-04	1.14E-05	4.09E-05	6.15E-06	1.90E-05
2569	437615.55	3762324.36	7.51E-05	2.56E-04	1.17E-05	4.18E-05	6.28E-06	1.94E-05
2570	437624.04	3762327.88	7.67E-05	2.62E-04	1.19E-05	4.27E-05	6.42E-06	1.98E-05
2571	437632.53	3762331.4	7.83E-05	2.67E-04	1.22E-05	4.36E-05	6.55E-06	2.02E-05
2572	437641.02	3762334.93	7.99E-05	2.72E-04	1.24E-05	4.45E-05	6.69E-06	2.06E-05
2573	437649.52	3762338.45	8.14E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.10E-05
2574	437658.01	3762341.97	8.30E-05	2.83E-04	1.29E-05	4.62E-05	6.95E-06	2.14E-05
2575	437666.5	3762345.49	8.45E-05	2.88E-04	1.31E-05	4.71E-05	7.07E-06	2.18E-05
2576	437674.99	3762349.01	8.59E-05	2.93E-04	1.34E-05	4.79E-05	7.19E-06	2.22E-05
2577	437683.48	3762352.53	8.73E-05	2.98E-04	1.36E-05	4.87E-05	7.31E-06	2.26E-05
2578	437691.98	3762356.05	8.87E-05	3.03E-04	1.38E-05	4.94E-05	7.43E-06	2.29E-05
2579	437700.47	3762359.57	9.00E-05	3.07E-04	1.40E-05	5.02E-05	7.54E-06	2.33E-05
2580	437708.96	3762363.09	9.13E-05	3.11E-04	1.42E-05	5.09E-05	7.64E-06	2.36E-05
2581	437717.45	3762366.61	9.25E-05	3.15E-04	1.44E-05	5.15E-05	7.74E-06	2.39E-05
2582	437725.95	3762370.13	9.37E-05	3.19E-04	1.46E-05	5.22E-05	7.84E-06	2.42E-05
2583	437734.44	3762373.65	9.47E-05	3.23E-04	1.47E-05	5.28E-05	7.93E-06	2.45E-05
2584	437742.93	3762377.17	9.58E-05	3.27E-04	1.49E-05	5.34E-05	8.02E-06	2.47E-05
2585	437751.42	3762380.69	9.67E-05	3.30E-04	1.50E-05	5.39E-05	8.10E-06	2.50E-05
2586	437759.91	3762384.21	9.76E-05	3.33E-04	1.52E-05	5.44E-05	8.17E-06	2.52E-05
2587	437768.41	3762387.73	9.85E-05	3.36E-04	1.53E-05	5.49E-05	8.24E-06	2.54E-05
2588	437776.9	3762391.25	9.92E-05	3.38E-04	1.54E-05	5.53E-05	8.31E-06	2.56E-05
2589	437785.39	3762394.77	1.00E-04	3.41E-04	1.55E-05	5.57E-05	8.37E-06	2.58E-05
2590	437793.88	3762398.29	1.01E-04	3.43E-04	1.56E-05	5.60E-05	8.42E-06	2.60E-05
2591	437802.37	3762401.82	1.01E-04	3.45E-04	1.57E-05	5.64E-05	8.47E-06	2.62E-05
2592	437810.87	3762405.34	1.02E-04	3.47E-04	1.58E-05	5.67E-05	8.52E-06	2.63E-05
2593	437819.36	3762408.86	1.02E-04	3.49E-04	1.59E-05	5.69E-05	8.55E-06	2.64E-05
2594	437827.85	3762412.38	1.03E-04	3.50E-04	1.59E-05	5.72E-05	8.59E-06	2.65E-05
2595	437836.34	3762415.9	1.03E-04	3.51E-04	1.60E-05	5.74E-05	8.62E-06	2.66E-05
2596	437844.84	3762419.42	1.03E-04	3.52E-04	1.60E-05	5.75E-05	8.64E-06	2.67E-05

2597	437856.84	3762431.44	1.07E-04	3.64E-04	1.66E-05	5.95E-05	8.94E-06	2.76E-05
2598	437860.35	3762439.93	1.10E-04	3.76E-04	1.71E-05	6.14E-05	9.22E-06	2.85E-05
2599	437863.85	3762448.43	1.14E-04	3.88E-04	1.77E-05	6.33E-05	9.52E-06	2.94E-05
2600	437867.36	3762456.93	1.17E-04	4.00E-04	1.82E-05	6.54E-05	9.82E-06	3.03E-05
2601	437870.87	3762465.42	1.21E-04	4.13E-04	1.88E-05	6.75E-05	1.01E-05	3.13E-05
2602	437874.38	3762473.92	1.25E-04	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
2603	437877.89	3762482.42	1.29E-04	4.40E-04	2.01E-05	7.19E-05	1.08E-05	3.34E-05
2604	437881.4	3762490.91	1.33E-04	4.55E-04	2.07E-05	7.43E-05	1.12E-05	3.44E-05
2605	437884.91	3762499.41	1.38E-04	4.70E-04	2.14E-05	7.67E-05	1.15E-05	3.56E-05
2606	437888.42	3762507.91	1.42E-04	4.85E-04	2.21E-05	7.92E-05	1.19E-05	3.68E-05
2607	437891.93	3762516.4	1.47E-04	5.01E-04	2.28E-05	8.19E-05	1.23E-05	3.80E-05
2608	437895.43	3762524.9	1.52E-04	5.18E-04	2.36E-05	8.47E-05	1.27E-05	3.93E-05
2609	437898.94	3762533.4	1.57E-04	5.36E-04	2.44E-05	8.75E-05	1.32E-05	4.06E-05
2610	437902.45	3762541.9	1.62E-04	5.54E-04	2.52E-05	9.05E-05	1.36E-05	4.20E-05
2611	437905.96	3762550.39	1.68E-04	5.73E-04	2.61E-05	9.36E-05	1.41E-05	4.34E-05
2612	437909.47	3762558.89	1.74E-04	5.93E-04	2.70E-05	9.69E-05	1.46E-05	4.49E-05
2613	437912.98	3762567.39	1.80E-04	6.13E-04	2.79E-05	1.00E-04	1.51E-05	4.65E-05
2614	437916.49	3762575.88	1.86E-04	6.34E-04	2.89E-05	1.04E-04	1.56E-05	4.81E-05
2615	437920	3762584.38	1.92E-04	6.56E-04	2.99E-05	1.07E-04	1.61E-05	4.97E-05
2616	437923.51	3762592.88	1.99E-04	6.79E-04	3.09E-05	1.11E-04	1.67E-05	5.15E-05
2617	437930.52	3762609.87	2.13E-04	7.26E-04	3.31E-05	1.19E-04	1.78E-05	5.50E-05
2618	437934.03	3762618.37	2.20E-04	7.51E-04	3.42E-05	1.23E-04	1.84E-05	5.69E-05
2619	437937.54	3762626.87	2.27E-04	7.75E-04	3.53E-05	1.27E-04	1.90E-05	5.88E-05
2620	437941.05	3762635.36	2.35E-04	8.01E-04	3.65E-05	1.31E-04	1.97E-05	6.07E-05
2621	437546.71	3762299.72	6.33E-05	2.16E-04	9.83E-06	3.52E-05	5.29E-06	1.63E-05
2622	437537.32	3762299.72	6.27E-05	2.14E-04	9.74E-06	3.49E-05	5.25E-06	1.62E-05
2623	437527.93	3762299.72	6.21E-05	2.12E-04	9.64E-06	3.46E-05	5.20E-06	1.60E-05
2624	437518.54	3762299.72	6.15E-05	2.10E-04	9.55E-06	3.42E-05	5.14E-06	1.59E-05
2625	437509.15	3762299.72	6.09E-05	2.08E-04	9.46E-06	3.39E-05	5.09E-06	1.57E-05
2626	437499.76	3762299.73	6.02E-05	2.05E-04	9.36E-06	3.36E-05	5.04E-06	1.56E-05
2627	437490.37	3762299.73	5.96E-05	2.03E-04	9.26E-06	3.32E-05	4.99E-06	1.54E-05
2628	437480.98	3762299.73	5.90E-05	2.01E-04	9.17E-06	3.29E-05	4.94E-06	1.52E-05
2629	437471.59	3762299.73	5.84E-05	1.99E-04	9.08E-06	3.25E-05	4.89E-06	1.51E-05
2630	437462.19	3762299.73	5.78E-05	1.97E-04	8.98E-06	3.22E-05	4.84E-06	1.49E-05
2631	437452.8	3762299.73	5.72E-05	1.95E-04	8.89E-06	3.19E-05	4.79E-06	1.48E-05
2632	437443.41	3762299.73	5.67E-05	1.93E-04	8.81E-06	3.16E-05	4.74E-06	1.46E-05
2633	437581.92	3762280.42	5.99E-05	2.04E-04	9.30E-06	3.33E-05	5.01E-06	1.55E-05
2634	437590.53	3762283.99	6.12E-05	2.09E-04	9.52E-06	3.41E-05	5.13E-06	1.58E-05
2635	437599.13	3762287.56	6.26E-05	2.14E-04	9.73E-06	3.49E-05	5.24E-06	1.62E-05
2636	437607.74	3762291.13	6.40E-05	2.18E-04	9.95E-06	3.57E-05	5.36E-06	1.65E-05
2637	437616.35	3762294.7	6.54E-05	2.23E-04	1.02E-05	3.65E-05	5.48E-06	1.69E-05
2638	437624.96	3762298.26	6.68E-05	2.28E-04	1.04E-05	3.72E-05	5.59E-06	1.73E-05
2639	437633.56	3762301.83	6.82E-05	2.33E-04	1.06E-05	3.80E-05	5.71E-06	1.76E-05
2640	437642.17	3762305.4	6.96E-05	2.37E-04	1.08E-05	3.88E-05	5.82E-06	1.80E-05
2641	437650.78	3762308.97	7.09E-05	2.42E-04	1.10E-05	3.95E-05	5.94E-06	1.83E-05
2642	437659.38	3762312.54	7.23E-05	2.46E-04	1.12E-05	4.03E-05	6.05E-06	1.87E-05
2643	437667.99	3762316.11	7.36E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
2644	437676.6	3762319.67	7.48E-05	2.55E-04	1.16E-05	4.17E-05	6.27E-06	1.93E-05
2645	437685.2	3762323.24	7.61E-05	2.60E-04	1.18E-05	4.24E-05	6.37E-06	1.97E-05
2646	437693.81	3762326.81	7.73E-05	2.64E-04	1.20E-05	4.31E-05	6.47E-06	2.00E-05
2647	437702.42	3762330.38	7.85E-05	2.68E-04	1.22E-05	4.37E-05	6.57E-06	2.03E-05
2648	437711.02	3762333.95	7.96E-05	2.72E-04	1.24E-05	4.44E-05	6.67E-06	2.06E-05

2649	437719.63	3762337.51	8.07E-05	2.75E-04	1.25E-05	4.50E-05	6.76E-06	2.09E-05
2650	437728.24	3762341.08	8.18E-05	2.79E-04	1.27E-05	4.55E-05	6.84E-06	2.11E-05
2651	437736.85	3762344.65	8.28E-05	2.82E-04	1.29E-05	4.61E-05	6.93E-06	2.14E-05
2652	437745.45	3762348.22	8.37E-05	2.85E-04	1.30E-05	4.66E-05	7.01E-06	2.16E-05
2653	437754.06	3762351.79	8.46E-05	2.89E-04	1.31E-05	4.71E-05	7.08E-06	2.19E-05
2654	437762.67	3762355.35	8.54E-05	2.91E-04	1.33E-05	4.76E-05	7.15E-06	2.21E-05
2655	437771.27	3762358.92	8.62E-05	2.94E-04	1.34E-05	4.80E-05	7.22E-06	2.23E-05
2656	437779.88	3762362.49	8.70E-05	2.97E-04	1.35E-05	4.84E-05	7.28E-06	2.25E-05
2657	437788.49	3762366.06	8.77E-05	2.99E-04	1.36E-05	4.88E-05	7.34E-06	2.27E-05
2658	437797.09	3762369.63	8.83E-05	3.01E-04	1.37E-05	4.92E-05	7.39E-06	2.28E-05
2659	437805.7	3762373.19	8.89E-05	3.03E-04	1.38E-05	4.95E-05	7.44E-06	2.30E-05
2660	437814.31	3762376.76	8.94E-05	3.05E-04	1.39E-05	4.98E-05	7.49E-06	2.31E-05
2661	437822.91	3762380.33	8.99E-05	3.07E-04	1.40E-05	5.01E-05	7.53E-06	2.32E-05
2662	437831.52	3762383.9	9.04E-05	3.08E-04	1.40E-05	5.03E-05	7.56E-06	2.33E-05
2663	437840.13	3762387.47	9.07E-05	3.09E-04	1.41E-05	5.06E-05	7.60E-06	2.34E-05
2664	437848.73	3762391.04	9.11E-05	3.11E-04	1.42E-05	5.07E-05	7.62E-06	2.35E-05
2665	437857.34	3762394.6	9.14E-05	3.12E-04	1.42E-05	5.09E-05	7.65E-06	2.36E-05
2666	437865.95	3762398.17	9.16E-05	3.12E-04	1.42E-05	5.10E-05	7.67E-06	2.37E-05
2667	437878.11	3762410.35	9.46E-05	3.23E-04	1.47E-05	5.27E-05	7.92E-06	2.44E-05
2668	437881.67	3762418.96	9.74E-05	3.32E-04	1.51E-05	5.43E-05	8.15E-06	2.52E-05
2669	437885.22	3762427.57	1.00E-04	3.42E-04	1.56E-05	5.59E-05	8.40E-06	2.59E-05
2670	437888.78	3762436.19	1.03E-04	3.53E-04	1.61E-05	5.76E-05	8.65E-06	2.67E-05
2671	437892.34	3762444.8	1.07E-04	3.63E-04	1.66E-05	5.93E-05	8.92E-06	2.75E-05
2672	437895.89	3762453.41	1.10E-04	3.74E-04	1.71E-05	6.12E-05	9.19E-06	2.84E-05
2673	437899.45	3762462.02	1.13E-04	3.86E-04	1.76E-05	6.30E-05	9.47E-06	2.92E-05
2674	437903.01	3762470.63	1.17E-04	3.98E-04	1.81E-05	6.50E-05	9.76E-06	3.01E-05
2675	437906.56	3762479.25	1.20E-04	4.10E-04	1.87E-05	6.70E-05	1.01E-05	3.11E-05
2676	437910.12	3762487.86	1.24E-04	4.23E-04	1.93E-05	6.91E-05	1.04E-05	3.20E-05
2677	437913.68	3762496.47	1.28E-04	4.36E-04	1.99E-05	7.13E-05	1.07E-05	3.31E-05
2678	437917.23	3762505.08	1.32E-04	4.50E-04	2.05E-05	7.35E-05	1.10E-05	3.41E-05
2679	437920.79	3762513.69	1.36E-04	4.64E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
2680	437924.34	3762522.3	1.41E-04	4.79E-04	2.18E-05	7.83E-05	1.18E-05	3.63E-05
2681	437927.9	3762530.92	1.45E-04	4.95E-04	2.26E-05	8.09E-05	1.22E-05	3.75E-05
2682	437931.46	3762539.53	1.50E-04	5.11E-04	2.33E-05	8.35E-05	1.25E-05	3.87E-05
2683	437935.01	3762548.14	1.55E-04	5.28E-04	2.40E-05	8.62E-05	1.30E-05	4.00E-05
2684	437938.57	3762556.75	1.60E-04	5.45E-04	2.48E-05	8.90E-05	1.34E-05	4.13E-05
2685	437995.47	3762694.54	2.57E-04	8.77E-04	4.00E-05	1.43E-04	2.15E-05	6.64E-05
2686	437999.03	3762703.15	2.63E-04	8.97E-04	4.09E-05	1.47E-04	2.20E-05	6.80E-05
2687	438002.58	3762711.76	2.69E-04	9.16E-04	4.18E-05	1.50E-04	2.25E-05	6.94E-05
2688	437546.71	3762269.72	5.53E-05	1.89E-04	8.59E-06	3.08E-05	4.63E-06	1.43E-05
2689	437537.32	3762269.72	5.48E-05	1.87E-04	8.52E-06	3.05E-05	4.59E-06	1.42E-05
2690	437527.93	3762269.72	5.43E-05	1.85E-04	8.44E-06	3.03E-05	4.55E-06	1.40E-05
2691	437518.54	3762269.72	5.38E-05	1.83E-04	8.36E-06	3.00E-05	4.50E-06	1.39E-05
2692	437509.15	3762269.72	5.33E-05	1.82E-04	8.28E-06	2.97E-05	4.46E-06	1.38E-05
2693	437499.76	3762269.73	5.27E-05	1.80E-04	8.19E-06	2.94E-05	4.41E-06	1.36E-05
2694	437490.36	3762269.73	5.22E-05	1.78E-04	8.11E-06	2.91E-05	4.37E-06	1.35E-05
2695	437480.97	3762269.73	5.17E-05	1.76E-04	8.03E-06	2.88E-05	4.33E-06	1.34E-05
2696	437471.58	3762269.73	5.12E-05	1.75E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
2697	437462.19	3762269.73	5.07E-05	1.73E-04	7.88E-06	2.82E-05	4.24E-06	1.31E-05
2698	437452.8	3762269.73	5.02E-05	1.71E-04	7.80E-06	2.80E-05	4.20E-06	1.30E-05
2699	437443.41	3762269.73	4.97E-05	1.70E-04	7.73E-06	2.77E-05	4.16E-06	1.29E-05
2700	437649.51	3762278.45	6.20E-05	2.11E-04	9.63E-06	3.45E-05	5.19E-06	1.60E-05

2701	437658	3762281.97	6.31E-05	2.15E-04	9.81E-06	3.52E-05	5.28E-06	1.63E-05
2702	437666.5	3762285.49	6.42E-05	2.19E-04	9.98E-06	3.58E-05	5.38E-06	1.66E-05
2703	437674.99	3762289.01	6.54E-05	2.23E-04	1.02E-05	3.64E-05	5.47E-06	1.69E-05
2704	437683.48	3762292.53	6.64E-05	2.27E-04	1.03E-05	3.70E-05	5.56E-06	1.72E-05
2705	437691.97	3762296.05	6.75E-05	2.30E-04	1.05E-05	3.76E-05	5.65E-06	1.74E-05
2706	437700.46	3762299.57	6.85E-05	2.34E-04	1.06E-05	3.82E-05	5.74E-06	1.77E-05
2707	437708.96	3762303.09	6.95E-05	2.37E-04	1.08E-05	3.87E-05	5.82E-06	1.80E-05
2708	437717.45	3762306.61	7.05E-05	2.40E-04	1.10E-05	3.93E-05	5.90E-06	1.82E-05
2709	437725.94	3762310.13	7.15E-05	2.44E-04	1.11E-05	3.98E-05	5.98E-06	1.85E-05
2710	437734.43	3762313.65	7.24E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
2711	437742.92	3762317.17	7.32E-05	2.50E-04	1.14E-05	4.08E-05	6.13E-06	1.89E-05
2712	437751.42	3762320.69	7.41E-05	2.53E-04	1.15E-05	4.13E-05	6.20E-06	1.91E-05
2713	437759.91	3762324.21	7.49E-05	2.55E-04	1.16E-05	4.17E-05	6.27E-06	1.93E-05
2714	437768.4	3762327.73	7.56E-05	2.58E-04	1.17E-05	4.21E-05	6.33E-06	1.95E-05
2715	437776.89	3762331.25	7.63E-05	2.60E-04	1.19E-05	4.25E-05	6.39E-06	1.97E-05
2716	437785.39	3762334.77	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.44E-06	1.99E-05
2717	437793.88	3762338.29	7.76E-05	2.65E-04	1.21E-05	4.32E-05	6.50E-06	2.01E-05
2718	437802.37	3762341.82	7.82E-05	2.67E-04	1.22E-05	4.36E-05	6.55E-06	2.02E-05
2719	437810.86	3762345.34	7.88E-05	2.69E-04	1.22E-05	4.39E-05	6.59E-06	2.04E-05
2720	437819.35	3762348.86	7.93E-05	2.70E-04	1.23E-05	4.42E-05	6.64E-06	2.05E-05
2721	437827.85	3762352.38	7.97E-05	2.72E-04	1.24E-05	4.44E-05	6.68E-06	2.06E-05
2722	437836.34	3762355.9	8.02E-05	2.73E-04	1.25E-05	4.47E-05	6.71E-06	2.07E-05
2723	437844.83	3762359.42	8.06E-05	2.75E-04	1.25E-05	4.49E-05	6.74E-06	2.08E-05
2724	437853.32	3762362.94	8.09E-05	2.76E-04	1.26E-05	4.51E-05	6.77E-06	2.09E-05
2725	437861.81	3762366.46	8.12E-05	2.77E-04	1.26E-05	4.53E-05	6.80E-06	2.10E-05
2726	437870.31	3762369.98	8.15E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.11E-05
2727	437878.8	3762373.5	8.17E-05	2.79E-04	1.27E-05	4.55E-05	6.84E-06	2.11E-05
2728	437887.29	3762377.02	8.19E-05	2.79E-04	1.27E-05	4.56E-05	6.86E-06	2.12E-05
2729	437899.29	3762389.04	8.44E-05	2.88E-04	1.31E-05	4.70E-05	7.06E-06	2.18E-05
2730	437902.8	3762397.53	8.67E-05	2.96E-04	1.35E-05	4.83E-05	7.26E-06	2.24E-05
2731	437906.31	3762406.03	8.91E-05	3.04E-04	1.38E-05	4.96E-05	7.46E-06	2.30E-05
2732	437909.82	3762414.53	9.16E-05	3.12E-04	1.42E-05	5.10E-05	7.67E-06	2.37E-05
2733	437913.33	3762423.03	9.42E-05	3.21E-04	1.46E-05	5.25E-05	7.88E-06	2.43E-05
2734	437916.84	3762431.52	9.68E-05	3.30E-04	1.50E-05	5.39E-05	8.10E-06	2.50E-05
2735	437920.35	3762440.02	9.95E-05	3.39E-04	1.55E-05	5.54E-05	8.33E-06	2.57E-05
2736	437923.85	3762448.52	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.64E-05
2737	437927.36	3762457.01	1.05E-04	3.59E-04	1.64E-05	5.86E-05	8.81E-06	2.72E-05
2738	437930.87	3762465.51	1.08E-04	3.69E-04	1.68E-05	6.03E-05	9.06E-06	2.80E-05
2739	437934.38	3762474.01	1.11E-04	3.80E-04	1.73E-05	6.21E-05	9.33E-06	2.88E-05
2740	437937.89	3762482.5	1.15E-04	3.91E-04	1.78E-05	6.39E-05	9.60E-06	2.96E-05
2741	437941.4	3762491	1.18E-04	4.02E-04	1.83E-05	6.57E-05	9.88E-06	3.05E-05
2742	437944.91	3762499.5	1.22E-04	4.14E-04	1.89E-05	6.77E-05	1.02E-05	3.14E-05
2743	437994.03	3762618.46	1.85E-04	6.31E-04	2.87E-05	1.03E-04	1.55E-05	4.78E-05
2744	437997.54	3762626.95	1.90E-04	6.49E-04	2.96E-05	1.06E-04	1.59E-05	4.92E-05
2745	438001.05	3762635.45	1.96E-04	6.67E-04	3.04E-05	1.09E-04	1.64E-05	5.06E-05
2746	438004.56	3762643.95	2.01E-04	6.86E-04	3.12E-05	1.12E-04	1.68E-05	5.20E-05
2747	438008.07	3762652.44	2.06E-04	7.04E-04	3.21E-05	1.15E-04	1.73E-05	5.33E-05
2748	438011.58	3762660.94	2.12E-04	7.22E-04	3.29E-05	1.18E-04	1.77E-05	5.47E-05
2749	438015.09	3762669.44	2.17E-04	7.40E-04	3.37E-05	1.21E-04	1.82E-05	5.61E-05
2750	438018.59	3762677.93	2.22E-04	7.58E-04	3.45E-05	1.24E-04	1.86E-05	5.75E-05
2751	438022.1	3762686.43	2.28E-04	7.76E-04	3.53E-05	1.27E-04	1.90E-05	5.88E-05
2752	438025.61	3762694.93	2.33E-04	7.93E-04	3.61E-05	1.30E-04	1.95E-05	6.01E-05

2753	438029.12	3762703.43	2.37E-04	8.10E-04	3.69E-05	1.32E-04	1.99E-05	6.13E-05
2754	438032.63	3762711.92	2.42E-04	8.26E-04	3.76E-05	1.35E-04	2.03E-05	6.26E-05
2755	437546.71	3762239.72	4.88E-05	1.67E-04	7.59E-06	2.72E-05	4.09E-06	1.26E-05
2756	437537.32	3762239.72	4.84E-05	1.65E-04	7.52E-06	2.70E-05	4.05E-06	1.25E-05
2757	437527.92	3762239.72	4.79E-05	1.63E-04	7.45E-06	2.67E-05	4.01E-06	1.24E-05
2758	437518.53	3762239.72	4.75E-05	1.62E-04	7.38E-06	2.65E-05	3.98E-06	1.23E-05
2759	437509.14	3762239.72	4.70E-05	1.60E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
2760	437499.75	3762239.73	4.66E-05	1.59E-04	7.24E-06	2.60E-05	3.90E-06	1.20E-05
2761	437490.36	3762239.73	4.61E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
2762	437480.97	3762239.73	4.57E-05	1.56E-04	7.10E-06	2.55E-05	3.83E-06	1.18E-05
2763	437471.58	3762239.73	4.53E-05	1.54E-04	7.03E-06	2.52E-05	3.79E-06	1.17E-05
2764	437462.19	3762239.73	4.48E-05	1.53E-04	6.97E-06	2.50E-05	3.75E-06	1.16E-05
2765	437452.8	3762239.73	4.44E-05	1.52E-04	6.90E-06	2.48E-05	3.72E-06	1.15E-05
2766	437443.41	3762239.73	4.40E-05	1.50E-04	6.84E-06	2.45E-05	3.69E-06	1.14E-05
2767	437719.37	3762277.41	6.25E-05	2.13E-04	9.70E-06	3.48E-05	5.23E-06	1.61E-05
2768	437727.96	3762280.97	6.33E-05	2.16E-04	9.84E-06	3.53E-05	5.30E-06	1.64E-05
2769	437736.55	3762284.53	6.41E-05	2.19E-04	9.96E-06	3.57E-05	5.37E-06	1.66E-05
2770	437745.15	3762288.09	6.49E-05	2.21E-04	1.01E-05	3.62E-05	5.43E-06	1.68E-05
2771	437753.74	3762291.66	6.57E-05	2.24E-04	1.02E-05	3.66E-05	5.50E-06	1.70E-05
2772	437762.33	3762295.22	6.64E-05	2.27E-04	1.03E-05	3.70E-05	5.56E-06	1.72E-05
2773	437770.93	3762298.78	6.71E-05	2.29E-04	1.04E-05	3.74E-05	5.62E-06	1.73E-05
2774	437779.52	3762302.34	6.78E-05	2.31E-04	1.05E-05	3.78E-05	5.67E-06	1.75E-05
2775	437788.11	3762305.91	6.84E-05	2.33E-04	1.06E-05	3.81E-05	5.73E-06	1.77E-05
2776	437796.71	3762309.47	6.90E-05	2.35E-04	1.07E-05	3.85E-05	5.78E-06	1.78E-05
2777	437805.3	3762313.03	6.96E-05	2.37E-04	1.08E-05	3.88E-05	5.83E-06	1.80E-05
2778	437813.89	3762316.59	7.01E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
2779	437822.49	3762320.16	7.06E-05	2.41E-04	1.10E-05	3.93E-05	5.91E-06	1.82E-05
2780	437831.08	3762323.72	7.11E-05	2.42E-04	1.10E-05	3.96E-05	5.95E-06	1.84E-05
2781	437839.67	3762327.28	7.15E-05	2.44E-04	1.11E-05	3.98E-05	5.99E-06	1.85E-05
2782	437848.27	3762330.84	7.19E-05	2.45E-04	1.12E-05	4.01E-05	6.02E-06	1.86E-05
2783	437856.86	3762334.41	7.23E-05	2.47E-04	1.12E-05	4.03E-05	6.05E-06	1.87E-05
2784	437865.45	3762337.97	7.26E-05	2.48E-04	1.13E-05	4.05E-05	6.08E-06	1.88E-05
2785	437874.04	3762341.53	7.29E-05	2.49E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
2786	437882.64	3762345.09	7.32E-05	2.50E-04	1.14E-05	4.08E-05	6.12E-06	1.89E-05
2787	437891.23	3762348.65	7.34E-05	2.50E-04	1.14E-05	4.09E-05	6.14E-06	1.90E-05
2788	437899.82	3762352.22	7.36E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
2789	437908.42	3762355.78	7.38E-05	2.52E-04	1.15E-05	4.11E-05	6.18E-06	1.91E-05
2790	437920.56	3762367.94	7.59E-05	2.59E-04	1.18E-05	4.23E-05	6.35E-06	1.96E-05
2791	437924.11	3762376.54	7.78E-05	2.65E-04	1.21E-05	4.34E-05	6.52E-06	2.01E-05
2792	437927.66	3762385.14	7.99E-05	2.72E-04	1.24E-05	4.45E-05	6.69E-06	2.06E-05
2793	437931.21	3762393.73	8.20E-05	2.80E-04	1.27E-05	4.57E-05	6.86E-06	2.12E-05
2794	437934.76	3762402.33	8.42E-05	2.87E-04	1.31E-05	4.69E-05	7.05E-06	2.17E-05
2795	437938.32	3762410.93	8.64E-05	2.95E-04	1.34E-05	4.81E-05	7.23E-06	2.23E-05
2796	437941.87	3762419.53	8.87E-05	3.02E-04	1.38E-05	4.94E-05	7.42E-06	2.29E-05
2797	437945.42	3762428.13	9.11E-05	3.11E-04	1.42E-05	5.07E-05	7.62E-06	2.35E-05
2798	437948.97	3762436.73	9.35E-05	3.19E-04	1.45E-05	5.21E-05	7.83E-06	2.42E-05
2799	437952.52	3762445.32	9.61E-05	3.28E-04	1.49E-05	5.35E-05	8.04E-06	2.48E-05
2800	437956.07	3762453.92	9.87E-05	3.37E-04	1.53E-05	5.50E-05	8.26E-06	2.55E-05
2801	438005.78	3762574.29	1.47E-04	5.02E-04	2.29E-05	8.20E-05	1.23E-05	3.80E-05
2802	438009.33	3762582.89	1.51E-04	5.17E-04	2.35E-05	8.44E-05	1.27E-05	3.91E-05
2803	438012.88	3762591.49	1.56E-04	5.32E-04	2.42E-05	8.69E-05	1.31E-05	4.03E-05
2804	438016.43	3762600.09	1.60E-04	5.47E-04	2.49E-05	8.94E-05	1.34E-05	4.15E-05

2805	438019.98	3762608.69	1.65E-04	5.63E-04	2.56E-05	9.19E-05	1.38E-05	4.26E-05
2806	438023.53	3762617.29	1.70E-04	5.78E-04	2.64E-05	9.45E-05	1.42E-05	4.38E-05
2807	438027.08	3762625.88	1.74E-04	5.94E-04	2.71E-05	9.71E-05	1.46E-05	4.50E-05
2808	438030.63	3762634.48	1.79E-04	6.10E-04	2.78E-05	9.97E-05	1.50E-05	4.62E-05
2809	438034.18	3762643.08	1.84E-04	6.26E-04	2.85E-05	1.02E-04	1.54E-05	4.74E-05
2810	438037.73	3762651.68	1.88E-04	6.42E-04	2.93E-05	1.05E-04	1.58E-05	4.87E-05
2811	438041.28	3762660.28	1.93E-04	6.58E-04	3.00E-05	1.07E-04	1.61E-05	4.99E-05
2812	438044.84	3762668.87	1.98E-04	6.74E-04	3.07E-05	1.10E-04	1.65E-05	5.10E-05
2813	438048.39	3762677.47	2.02E-04	6.89E-04	3.14E-05	1.13E-04	1.69E-05	5.22E-05
2814	438051.94	3762686.07	2.07E-04	7.04E-04	3.21E-05	1.15E-04	1.73E-05	5.34E-05
2815	438055.49	3762694.67	2.11E-04	7.19E-04	3.28E-05	1.17E-04	1.77E-05	5.45E-05
2816	438059.04	3762703.27	2.15E-04	7.34E-04	3.34E-05	1.20E-04	1.80E-05	5.56E-05
2817	438062.59	3762711.86	2.19E-04	7.47E-04	3.41E-05	1.22E-04	1.83E-05	5.66E-05
2818	437546.7	3762209.72	4.35E-05	1.48E-04	6.76E-06	2.42E-05	3.64E-06	1.12E-05
2819	437537.31	3762209.72	4.31E-05	1.47E-04	6.69E-06	2.40E-05	3.61E-06	1.11E-05
2820	437527.92	3762209.72	4.27E-05	1.46E-04	6.63E-06	2.38E-05	3.57E-06	1.10E-05
2821	437518.53	3762209.72	4.23E-05	1.44E-04	6.57E-06	2.35E-05	3.54E-06	1.09E-05
2822	437509.14	3762209.72	4.19E-05	1.43E-04	6.51E-06	2.33E-05	3.51E-06	1.08E-05
2823	437499.75	3762209.73	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.47E-06	1.07E-05
2824	437490.36	3762209.73	4.11E-05	1.40E-04	6.39E-06	2.29E-05	3.44E-06	1.06E-05
2825	437480.97	3762209.73	4.07E-05	1.39E-04	6.33E-06	2.27E-05	3.41E-06	1.05E-05
2826	437471.58	3762209.73	4.04E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
2827	437462.19	3762209.73	4.00E-05	1.36E-04	6.21E-06	2.23E-05	3.35E-06	1.03E-05
2828	437452.8	3762209.73	3.96E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.02E-05
2829	437443.4	3762209.73	3.93E-05	1.34E-04	6.11E-06	2.19E-05	3.29E-06	1.02E-05
2830	437793.87	3762278.29	6.14E-05	2.09E-04	9.54E-06	3.42E-05	5.14E-06	1.59E-05
2831	437802.36	3762281.82	6.19E-05	2.11E-04	9.63E-06	3.45E-05	5.19E-06	1.60E-05
2832	437810.86	3762285.34	6.25E-05	2.13E-04	9.71E-06	3.48E-05	5.23E-06	1.61E-05
2833	437819.35	3762288.86	6.30E-05	2.15E-04	9.78E-06	3.51E-05	5.27E-06	1.63E-05
2834	437827.84	3762292.38	6.34E-05	2.16E-04	9.85E-06	3.53E-05	5.31E-06	1.64E-05
2835	437836.33	3762295.9	6.39E-05	2.18E-04	9.92E-06	3.56E-05	5.34E-06	1.65E-05
2836	437844.83	3762299.42	6.43E-05	2.19E-04	9.98E-06	3.58E-05	5.38E-06	1.66E-05
2837	437853.32	3762302.94	6.46E-05	2.20E-04	1.00E-05	3.60E-05	5.41E-06	1.67E-05
2838	437861.81	3762306.46	6.50E-05	2.22E-04	1.01E-05	3.62E-05	5.44E-06	1.68E-05
2839	437870.3	3762309.98	6.53E-05	2.23E-04	1.01E-05	3.64E-05	5.47E-06	1.69E-05
2840	437878.79	3762313.5	6.56E-05	2.24E-04	1.02E-05	3.66E-05	5.49E-06	1.70E-05
2841	437887.29	3762317.02	6.59E-05	2.25E-04	1.02E-05	3.67E-05	5.52E-06	1.70E-05
2842	437895.78	3762320.54	6.61E-05	2.26E-04	1.03E-05	3.68E-05	5.54E-06	1.71E-05
2843	437904.27	3762324.06	6.64E-05	2.26E-04	1.03E-05	3.70E-05	5.55E-06	1.71E-05
2844	437912.76	3762327.58	6.65E-05	2.27E-04	1.03E-05	3.71E-05	5.57E-06	1.72E-05
2845	437921.25	3762331.1	6.67E-05	2.28E-04	1.04E-05	3.72E-05	5.58E-06	1.72E-05
2846	437929.75	3762334.62	6.69E-05	2.28E-04	1.04E-05	3.72E-05	5.60E-06	1.73E-05
2847	437941.75	3762346.64	6.86E-05	2.34E-04	1.07E-05	3.82E-05	5.74E-06	1.77E-05
2848	437945.26	3762355.14	7.03E-05	2.40E-04	1.09E-05	3.92E-05	5.88E-06	1.82E-05
2849	437948.77	3762363.63	7.20E-05	2.45E-04	1.12E-05	4.01E-05	6.03E-06	1.86E-05
2850	437952.27	3762372.13	7.38E-05	2.51E-04	1.15E-05	4.11E-05	6.17E-06	1.91E-05
2851	437955.78	3762380.63	7.56E-05	2.58E-04	1.17E-05	4.21E-05	6.32E-06	1.95E-05
2852	437983.85	3762448.6	9.21E-05	3.14E-04	1.43E-05	5.13E-05	7.71E-06	2.38E-05
2853	437987.36	3762457.1	9.45E-05	3.22E-04	1.47E-05	5.26E-05	7.91E-06	2.44E-05
2854	437990.87	3762465.6	9.69E-05	3.31E-04	1.51E-05	5.40E-05	8.11E-06	2.50E-05
2855	437994.38	3762474.09	9.95E-05	3.39E-04	1.55E-05	5.54E-05	8.33E-06	2.57E-05
2856	437997.89	3762482.59	1.02E-04	3.48E-04	1.59E-05	5.69E-05	8.55E-06	2.64E-05

2857	438001.4	3762491.09	1.05E-04	3.58E-04	1.63E-05	5.84E-05	8.78E-06	2.71E-05
2858	438004.91	3762499.59	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
2859	438008.42	3762508.08	1.11E-04	3.77E-04	1.72E-05	6.16E-05	9.26E-06	2.86E-05
2860	438011.93	3762516.58	1.14E-04	3.88E-04	1.77E-05	6.33E-05	9.52E-06	2.94E-05
2861	438015.43	3762525.08	1.17E-04	3.99E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
2862	438018.94	3762533.57	1.20E-04	4.10E-04	1.87E-05	6.69E-05	1.01E-05	3.10E-05
2863	438022.45	3762542.07	1.23E-04	4.21E-04	1.92E-05	6.88E-05	1.03E-05	3.19E-05
2864	438025.96	3762550.57	1.27E-04	4.33E-04	1.97E-05	7.07E-05	1.06E-05	3.28E-05
2865	438029.47	3762559.06	1.30E-04	4.45E-04	2.03E-05	7.27E-05	1.09E-05	3.37E-05
2866	438032.98	3762567.56	1.34E-04	4.57E-04	2.08E-05	7.47E-05	1.12E-05	3.46E-05
2867	438036.49	3762576.06	1.38E-04	4.70E-04	2.14E-05	7.67E-05	1.15E-05	3.56E-05
2868	438040	3762584.56	1.42E-04	4.83E-04	2.20E-05	7.88E-05	1.18E-05	3.66E-05
2869	438043.51	3762593.05	1.45E-04	4.96E-04	2.26E-05	8.10E-05	1.22E-05	3.76E-05
2870	438047.01	3762601.55	1.49E-04	5.09E-04	2.32E-05	8.31E-05	1.25E-05	3.86E-05
2871	438050.52	3762610.05	1.53E-04	5.22E-04	2.38E-05	8.53E-05	1.28E-05	3.96E-05
2872	438054.03	3762618.54	1.57E-04	5.36E-04	2.44E-05	8.75E-05	1.32E-05	4.06E-05
2873	438057.54	3762627.04	1.61E-04	5.49E-04	2.50E-05	8.97E-05	1.35E-05	4.16E-05
2874	438061.05	3762635.54	1.65E-04	5.63E-04	2.57E-05	9.20E-05	1.38E-05	4.27E-05
2875	438064.56	3762644.03	1.69E-04	5.77E-04	2.63E-05	9.42E-05	1.42E-05	4.37E-05
2876	438068.07	3762652.53	1.73E-04	5.91E-04	2.69E-05	9.65E-05	1.45E-05	4.47E-05
2877	438071.58	3762661.03	1.77E-04	6.04E-04	2.75E-05	9.87E-05	1.48E-05	4.58E-05
2878	438075.09	3762669.52	1.81E-04	6.17E-04	2.81E-05	1.01E-04	1.52E-05	4.68E-05
2879	438078.59	3762678.02	1.85E-04	6.31E-04	2.87E-05	1.03E-04	1.55E-05	4.78E-05
2880	438082.1	3762686.52	1.89E-04	6.44E-04	2.93E-05	1.05E-04	1.58E-05	4.88E-05
2881	438085.61	3762695.02	1.92E-04	6.56E-04	2.99E-05	1.07E-04	1.61E-05	4.97E-05
2882	438089.12	3762703.51	1.96E-04	6.68E-04	3.05E-05	1.09E-04	1.64E-05	5.06E-05
2883	438092.63	3762712.01	1.99E-04	6.80E-04	3.10E-05	1.11E-04	1.67E-05	5.15E-05
2884	437546.7	3762179.72	3.90E-05	1.33E-04	6.06E-06	2.17E-05	3.26E-06	1.01E-05
2885	437537.31	3762179.72	3.86E-05	1.32E-04	6.00E-06	2.15E-05	3.23E-06	9.98E-06
2886	437527.92	3762179.72	3.83E-05	1.31E-04	5.95E-06	2.13E-05	3.20E-06	9.89E-06
2887	437518.53	3762179.72	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.80E-06
2888	437509.14	3762179.72	3.76E-05	1.28E-04	5.84E-06	2.09E-05	3.15E-06	9.71E-06
2889	437499.75	3762179.73	3.72E-05	1.27E-04	5.79E-06	2.07E-05	3.12E-06	9.62E-06
2890	437490.36	3762179.73	3.69E-05	1.26E-04	5.73E-06	2.06E-05	3.09E-06	9.53E-06
2891	437480.97	3762179.73	3.66E-05	1.25E-04	5.68E-06	2.04E-05	3.06E-06	9.45E-06
2892	437471.57	3762179.73	3.62E-05	1.24E-04	5.63E-06	2.02E-05	3.03E-06	9.36E-06
2893	437462.18	3762179.73	3.59E-05	1.23E-04	5.58E-06	2.00E-05	3.01E-06	9.28E-06
2894	437452.79	3762179.73	3.56E-05	1.22E-04	5.54E-06	1.98E-05	2.98E-06	9.21E-06
2895	437443.4	3762179.73	3.53E-05	1.21E-04	5.49E-06	1.97E-05	2.96E-06	9.13E-06
2896	437865.06	3762277.81	5.87E-05	2.00E-04	9.12E-06	3.27E-05	4.91E-06	1.52E-05
2897	437873.64	3762281.37	5.90E-05	2.01E-04	9.17E-06	3.29E-05	4.94E-06	1.52E-05
2898	437882.22	3762284.92	5.93E-05	2.02E-04	9.22E-06	3.30E-05	4.96E-06	1.53E-05
2899	437890.81	3762288.48	5.96E-05	2.03E-04	9.26E-06	3.32E-05	4.99E-06	1.54E-05
2900	437899.39	3762292.04	5.99E-05	2.04E-04	9.30E-06	3.33E-05	5.01E-06	1.55E-05
2901	437907.97	3762295.6	6.01E-05	2.05E-04	9.34E-06	3.35E-05	5.03E-06	1.55E-05
2902	437916.55	3762299.15	6.03E-05	2.06E-04	9.37E-06	3.36E-05	5.05E-06	1.56E-05
2903	437925.14	3762302.71	6.05E-05	2.06E-04	9.40E-06	3.37E-05	5.06E-06	1.56E-05
2904	437933.72	3762306.27	6.07E-05	2.07E-04	9.43E-06	3.38E-05	5.08E-06	1.57E-05
2905	437942.3	3762309.83	6.08E-05	2.07E-04	9.45E-06	3.39E-05	5.09E-06	1.57E-05
2906	437950.88	3762313.39	6.09E-05	2.08E-04	9.47E-06	3.39E-05	5.10E-06	1.57E-05
2907	437984.29	3762377.06	7.17E-05	2.44E-04	1.11E-05	3.99E-05	6.00E-06	1.85E-05
2908	437987.84	3762385.64	7.34E-05	2.50E-04	1.14E-05	4.09E-05	6.14E-06	1.90E-05

2909	437991.38	3762394.23	7.51E-05	2.56E-04	1.17E-05	4.18E-05	6.29E-06	1.94E-05
2910	437994.93	3762402.82	7.69E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.99E-05
2911	437998.47	3762411.41	7.87E-05	2.68E-04	1.22E-05	4.38E-05	6.59E-06	2.03E-05
2912	438002.02	3762419.99	8.06E-05	2.75E-04	1.25E-05	4.49E-05	6.75E-06	2.08E-05
2913	438005.57	3762428.58	8.26E-05	2.82E-04	1.28E-05	4.60E-05	6.91E-06	2.13E-05
2914	438009.11	3762437.17	8.46E-05	2.88E-04	1.31E-05	4.71E-05	7.08E-06	2.19E-05
2915	438012.66	3762445.76	8.67E-05	2.96E-04	1.35E-05	4.83E-05	7.26E-06	2.24E-05
2916	438016.21	3762454.34	8.88E-05	3.03E-04	1.38E-05	4.95E-05	7.44E-06	2.30E-05
2917	438019.75	3762462.93	9.11E-05	3.11E-04	1.42E-05	5.07E-05	7.62E-06	2.35E-05
2918	438023.3	3762471.52	9.34E-05	3.19E-04	1.45E-05	5.20E-05	7.82E-06	2.41E-05
2919	438026.84	3762480.1	9.58E-05	3.27E-04	1.49E-05	5.34E-05	8.02E-06	2.48E-05
2920	438030.39	3762488.69	9.83E-05	3.35E-04	1.53E-05	5.48E-05	8.23E-06	2.54E-05
2921	438033.94	3762497.28	1.01E-04	3.44E-04	1.57E-05	5.62E-05	8.45E-06	2.61E-05
2922	438037.48	3762505.87	1.04E-04	3.53E-04	1.61E-05	5.77E-05	8.67E-06	2.68E-05
2923	438041.03	3762514.45	1.06E-04	3.63E-04	1.65E-05	5.92E-05	8.90E-06	2.75E-05
2924	438044.58	3762523.04	1.09E-04	3.72E-04	1.70E-05	6.08E-05	9.14E-06	2.82E-05
2925	438048.12	3762531.63	1.12E-04	3.82E-04	1.74E-05	6.25E-05	9.38E-06	2.90E-05
2926	438051.67	3762540.22	1.15E-04	3.93E-04	1.79E-05	6.41E-05	9.64E-06	2.97E-05
2927	438055.21	3762548.8	1.18E-04	4.03E-04	1.84E-05	6.58E-05	9.89E-06	3.05E-05
2928	438058.76	3762557.39	1.21E-04	4.14E-04	1.89E-05	6.76E-05	1.02E-05	3.14E-05
2929	438062.31	3762565.98	1.25E-04	4.25E-04	1.93E-05	6.94E-05	1.04E-05	3.22E-05
2930	438065.85	3762574.57	1.28E-04	4.36E-04	1.99E-05	7.12E-05	1.07E-05	3.30E-05
2931	438069.4	3762583.15	1.31E-04	4.47E-04	2.04E-05	7.31E-05	1.10E-05	3.39E-05
2932	438072.95	3762591.74	1.35E-04	4.59E-04	2.09E-05	7.50E-05	1.13E-05	3.48E-05
2933	438076.49	3762600.33	1.38E-04	4.71E-04	2.14E-05	7.69E-05	1.16E-05	3.57E-05
2934	438080.04	3762608.91	1.41E-04	4.82E-04	2.20E-05	7.88E-05	1.18E-05	3.66E-05
2935	438083.58	3762617.5	1.45E-04	4.94E-04	2.25E-05	8.08E-05	1.21E-05	3.75E-05
2936	438087.13	3762626.09	1.49E-04	5.07E-04	2.31E-05	8.28E-05	1.24E-05	3.84E-05
2937	438090.68	3762634.68	1.52E-04	5.19E-04	2.36E-05	8.47E-05	1.27E-05	3.93E-05
2938	438094.22	3762643.26	1.56E-04	5.31E-04	2.42E-05	8.67E-05	1.30E-05	4.02E-05
2939	438097.77	3762651.85	1.59E-04	5.43E-04	2.47E-05	8.87E-05	1.33E-05	4.11E-05
2940	438101.32	3762660.44	1.63E-04	5.55E-04	2.53E-05	9.06E-05	1.36E-05	4.20E-05
2941	438104.86	3762669.03	1.66E-04	5.66E-04	2.58E-05	9.25E-05	1.39E-05	4.29E-05
2942	438108.41	3762677.61	1.69E-04	5.78E-04	2.63E-05	9.44E-05	1.42E-05	4.38E-05
2943	438111.95	3762686.2	1.73E-04	5.89E-04	2.68E-05	9.62E-05	1.45E-05	4.46E-05
2944	438115.5	3762694.79	1.76E-04	6.00E-04	2.73E-05	9.80E-05	1.47E-05	4.54E-05
2945	438119.05	3762703.38	1.79E-04	6.10E-04	2.78E-05	9.97E-05	1.50E-05	4.63E-05
2946	438122.59	3762711.96	1.82E-04	6.21E-04	2.83E-05	1.01E-04	1.52E-05	4.70E-05
2947	437546.7	3762149.72	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.10E-06
2948	437537.31	3762149.72	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.02E-06
2949	437527.92	3762149.72	3.46E-05	1.18E-04	5.37E-06	1.93E-05	2.89E-06	8.94E-06
2950	437518.53	3762149.72	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
2951	437509.14	3762149.72	3.40E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.78E-06
2952	437499.74	3762149.73	3.37E-05	1.15E-04	5.23E-06	1.88E-05	2.82E-06	8.70E-06
2953	437490.35	3762149.73	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.79E-06	8.62E-06
2954	437480.96	3762149.73	3.31E-05	1.13E-04	5.14E-06	1.84E-05	2.77E-06	8.55E-06
2955	437471.57	3762149.73	3.28E-05	1.12E-04	5.09E-06	1.83E-05	2.74E-06	8.47E-06
2956	437462.18	3762149.73	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
2957	437452.79	3762149.73	3.22E-05	1.10E-04	5.01E-06	1.80E-05	2.70E-06	8.33E-06
2958	437443.4	3762149.73	3.20E-05	1.09E-04	4.97E-06	1.78E-05	2.68E-06	8.26E-06
2959	437937.37	3762277.78	5.53E-05	1.88E-04	8.59E-06	3.08E-05	4.63E-06	1.43E-05
2960	437946.03	3762281.38	5.54E-05	1.89E-04	8.61E-06	3.09E-05	4.64E-06	1.43E-05

2961	437954.7	3762284.97	5.56E-05	1.90E-04	8.64E-06	3.10E-05	4.65E-06	1.44E-05
2962	438016.5	3762382.45	6.96E-05	2.37E-04	1.08E-05	3.88E-05	5.83E-06	1.80E-05
2963	438020.08	3762391.12	7.12E-05	2.43E-04	1.11E-05	3.97E-05	5.96E-06	1.84E-05
2964	438023.66	3762399.79	7.28E-05	2.48E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
2965	438027.24	3762408.46	7.45E-05	2.54E-04	1.16E-05	4.15E-05	6.24E-06	1.93E-05
2966	438030.82	3762417.13	7.62E-05	2.60E-04	1.18E-05	4.25E-05	6.38E-06	1.97E-05
2967	438034.4	3762425.8	7.80E-05	2.66E-04	1.21E-05	4.35E-05	6.53E-06	2.02E-05
2968	438037.98	3762434.47	7.99E-05	2.72E-04	1.24E-05	4.45E-05	6.68E-06	2.06E-05
2969	438041.56	3762443.14	8.18E-05	2.79E-04	1.27E-05	4.56E-05	6.84E-06	2.11E-05
2970	438045.14	3762451.81	8.38E-05	2.86E-04	1.30E-05	4.67E-05	7.01E-06	2.16E-05
2971	438048.72	3762460.48	8.58E-05	2.93E-04	1.33E-05	4.78E-05	7.18E-06	2.22E-05
2972	438052.3	3762469.15	8.79E-05	3.00E-04	1.37E-05	4.90E-05	7.36E-06	2.27E-05
2973	438055.88	3762477.82	9.01E-05	3.07E-04	1.40E-05	5.02E-05	7.54E-06	2.33E-05
2974	438059.47	3762486.49	9.24E-05	3.15E-04	1.44E-05	5.15E-05	7.73E-06	2.39E-05
2975	438063.05	3762495.16	9.48E-05	3.23E-04	1.47E-05	5.28E-05	7.93E-06	2.45E-05
2976	438066.63	3762503.83	9.72E-05	3.31E-04	1.51E-05	5.41E-05	8.13E-06	2.51E-05
2977	438070.21	3762512.51	9.97E-05	3.40E-04	1.55E-05	5.55E-05	8.34E-06	2.58E-05
2978	438073.79	3762521.18	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.56E-06	2.64E-05
2979	438077.37	3762529.85	1.05E-04	3.58E-04	1.63E-05	5.84E-05	8.78E-06	2.71E-05
2980	438080.95	3762538.52	1.08E-04	3.67E-04	1.67E-05	5.99E-05	9.01E-06	2.78E-05
2981	438084.53	3762547.19	1.10E-04	3.76E-04	1.71E-05	6.15E-05	9.24E-06	2.85E-05
2982	438088.11	3762555.86	1.13E-04	3.86E-04	1.76E-05	6.30E-05	9.47E-06	2.92E-05
2983	438091.69	3762564.53	1.16E-04	3.96E-04	1.80E-05	6.46E-05	9.71E-06	3.00E-05
2984	438095.27	3762573.2	1.19E-04	4.06E-04	1.85E-05	6.63E-05	9.96E-06	3.07E-05
2985	438098.85	3762581.87	1.22E-04	4.16E-04	1.90E-05	6.79E-05	1.02E-05	3.15E-05
2986	438102.43	3762590.54	1.25E-04	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
2987	438106.01	3762599.21	1.28E-04	4.37E-04	1.99E-05	7.14E-05	1.07E-05	3.31E-05
2988	438109.59	3762607.88	1.31E-04	4.47E-04	2.04E-05	7.31E-05	1.10E-05	3.39E-05
2989	438113.17	3762616.55	1.34E-04	4.58E-04	2.09E-05	7.48E-05	1.12E-05	3.47E-05
2990	438116.75	3762625.22	1.37E-04	4.69E-04	2.14E-05	7.66E-05	1.15E-05	3.55E-05
2991	438120.33	3762633.89	1.41E-04	4.79E-04	2.18E-05	7.83E-05	1.18E-05	3.63E-05
2992	438123.91	3762642.56	1.44E-04	4.90E-04	2.23E-05	8.01E-05	1.20E-05	3.71E-05
2993	438127.5	3762651.23	1.47E-04	5.01E-04	2.28E-05	8.18E-05	1.23E-05	3.79E-05
2994	438131.08	3762659.9	1.50E-04	5.11E-04	2.33E-05	8.35E-05	1.25E-05	3.87E-05
2995	438134.66	3762668.57	1.53E-04	5.21E-04	2.38E-05	8.52E-05	1.28E-05	3.95E-05
2996	438138.24	3762677.24	1.56E-04	5.31E-04	2.42E-05	8.68E-05	1.30E-05	4.03E-05
2997	438141.82	3762685.91	1.59E-04	5.41E-04	2.47E-05	8.84E-05	1.33E-05	4.10E-05
2998	438145.4	3762694.58	1.61E-04	5.50E-04	2.51E-05	8.99E-05	1.35E-05	4.17E-05
2999	438148.98	3762703.25	1.64E-04	5.59E-04	2.55E-05	9.14E-05	1.37E-05	4.24E-05
3000	438152.56	3762711.92	1.67E-04	5.68E-04	2.59E-05	9.28E-05	1.39E-05	4.31E-05
3001	437546.7	3762119.72	3.20E-05	1.09E-04	4.97E-06	1.78E-05	2.68E-06	8.26E-06
3002	437537.31	3762119.72	3.17E-05	1.08E-04	4.92E-06	1.76E-05	2.65E-06	8.19E-06
3003	437527.91	3762119.72	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
3004	437518.52	3762119.72	3.11E-05	1.06E-04	4.84E-06	1.73E-05	2.60E-06	8.04E-06
3005	437509.13	3762119.72	3.09E-05	1.05E-04	4.80E-06	1.72E-05	2.58E-06	7.98E-06
3006	437499.74	3762119.73	3.06E-05	1.04E-04	4.76E-06	1.71E-05	2.56E-06	7.91E-06
3007	437490.35	3762119.73	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.84E-06
3008	437480.96	3762119.73	3.01E-05	1.03E-04	4.68E-06	1.68E-05	2.52E-06	7.78E-06
3009	437471.57	3762119.73	2.98E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
3010	437462.18	3762119.73	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.65E-06
3011	437452.79	3762119.73	2.94E-05	1.00E-04	4.56E-06	1.64E-05	2.46E-06	7.59E-06
3012	437443.4	3762119.73	2.91E-05	9.93E-05	4.53E-06	1.62E-05	2.44E-06	7.53E-06

3013	437983.36	3762256.85	4.98E-05	1.70E-04	7.74E-06	2.78E-05	4.17E-06	1.29E-05
3014	437991.91	3762260.4	4.99E-05	1.70E-04	7.76E-06	2.78E-05	4.18E-06	1.29E-05
3015	438000.45	3762263.94	5.00E-05	1.71E-04	7.77E-06	2.79E-05	4.19E-06	1.29E-05
3016	438012.53	3762276.03	5.11E-05	1.74E-04	7.94E-06	2.85E-05	4.28E-06	1.32E-05
3017	438016.06	3762284.58	5.21E-05	1.78E-04	8.10E-06	2.90E-05	4.36E-06	1.35E-05
3018	438019.59	3762293.13	5.32E-05	1.81E-04	8.27E-06	2.96E-05	4.45E-06	1.37E-05
3019	438023.12	3762301.68	5.43E-05	1.85E-04	8.43E-06	3.02E-05	4.54E-06	1.40E-05
3020	438026.65	3762310.23	5.54E-05	1.89E-04	8.60E-06	3.08E-05	4.63E-06	1.43E-05
3021	438030.18	3762318.78	5.65E-05	1.93E-04	8.78E-06	3.15E-05	4.73E-06	1.46E-05
3022	438033.71	3762327.33	5.76E-05	1.97E-04	8.96E-06	3.21E-05	4.82E-06	1.49E-05
3023	438037.25	3762335.88	5.88E-05	2.01E-04	9.14E-06	3.28E-05	4.92E-06	1.52E-05
3024	438040.78	3762344.43	6.00E-05	2.05E-04	9.32E-06	3.34E-05	5.02E-06	1.55E-05
3025	438054.9	3762378.64	6.51E-05	2.22E-04	1.01E-05	3.63E-05	5.45E-06	1.68E-05
3026	438058.43	3762387.19	6.65E-05	2.27E-04	1.03E-05	3.70E-05	5.56E-06	1.72E-05
3027	438061.96	3762395.74	6.79E-05	2.31E-04	1.05E-05	3.78E-05	5.68E-06	1.75E-05
3028	438065.49	3762404.29	6.93E-05	2.36E-04	1.08E-05	3.86E-05	5.80E-06	1.79E-05
3029	438069.02	3762412.84	7.08E-05	2.41E-04	1.10E-05	3.94E-05	5.93E-06	1.83E-05
3030	438072.56	3762421.39	7.24E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
3031	438076.09	3762429.94	7.40E-05	2.52E-04	1.15E-05	4.12E-05	6.19E-06	1.91E-05
3032	438079.62	3762438.49	7.56E-05	2.58E-04	1.17E-05	4.21E-05	6.33E-06	1.95E-05
3033	438083.15	3762447.04	7.73E-05	2.64E-04	1.20E-05	4.31E-05	6.47E-06	2.00E-05
3034	438086.68	3762455.59	7.91E-05	2.70E-04	1.23E-05	4.41E-05	6.62E-06	2.04E-05
3035	438090.21	3762464.14	8.09E-05	2.76E-04	1.26E-05	4.51E-05	6.77E-06	2.09E-05
3036	438093.74	3762472.69	8.28E-05	2.82E-04	1.29E-05	4.61E-05	6.93E-06	2.14E-05
3037	438097.27	3762481.24	8.48E-05	2.89E-04	1.32E-05	4.72E-05	7.10E-06	2.19E-05
3038	438100.8	3762489.79	8.68E-05	2.96E-04	1.35E-05	4.83E-05	7.26E-06	2.24E-05
3039	438104.33	3762498.34	8.88E-05	3.03E-04	1.38E-05	4.95E-05	7.44E-06	2.30E-05
3040	438107.86	3762506.89	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
3041	438111.4	3762515.44	9.31E-05	3.18E-04	1.45E-05	5.19E-05	7.80E-06	2.41E-05
3042	438114.93	3762523.99	9.54E-05	3.25E-04	1.48E-05	5.31E-05	7.98E-06	2.46E-05
3043	438118.46	3762532.54	9.76E-05	3.33E-04	1.52E-05	5.44E-05	8.17E-06	2.52E-05
3044	438121.99	3762541.09	1.00E-04	3.41E-04	1.55E-05	5.57E-05	8.37E-06	2.58E-05
3045	438125.52	3762549.64	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.65E-05
3046	438129.05	3762558.19	1.05E-04	3.57E-04	1.63E-05	5.84E-05	8.77E-06	2.71E-05
3047	438132.58	3762566.74	1.07E-04	3.66E-04	1.67E-05	5.98E-05	8.98E-06	2.77E-05
3048	438136.11	3762575.3	1.10E-04	3.75E-04	1.71E-05	6.12E-05	9.19E-06	2.84E-05
3049	438139.64	3762583.85	1.12E-04	3.83E-04	1.75E-05	6.26E-05	9.41E-06	2.90E-05
3050	438143.17	3762592.4	1.15E-04	3.92E-04	1.79E-05	6.40E-05	9.62E-06	2.97E-05
3051	438146.71	3762600.95	1.18E-04	4.01E-04	1.83E-05	6.55E-05	9.84E-06	3.04E-05
3052	438150.24	3762609.5	1.20E-04	4.10E-04	1.87E-05	6.69E-05	1.01E-05	3.10E-05
3053	438153.77	3762618.05	1.23E-04	4.19E-04	1.91E-05	6.84E-05	1.03E-05	3.17E-05
3054	438157.3	3762626.6	1.25E-04	4.27E-04	1.95E-05	6.98E-05	1.05E-05	3.24E-05
3055	438160.83	3762635.15	1.28E-04	4.36E-04	1.99E-05	7.13E-05	1.07E-05	3.31E-05
3056	438164.36	3762643.7	1.31E-04	4.45E-04	2.03E-05	7.27E-05	1.09E-05	3.37E-05
3057	438167.89	3762652.25	1.33E-04	4.54E-04	2.07E-05	7.41E-05	1.11E-05	3.44E-05
3058	438171.42	3762660.8	1.36E-04	4.62E-04	2.11E-05	7.55E-05	1.13E-05	3.50E-05
3059	438174.95	3762669.35	1.38E-04	4.70E-04	2.14E-05	7.69E-05	1.15E-05	3.57E-05
3060	438178.48	3762677.9	1.40E-04	4.79E-04	2.18E-05	7.82E-05	1.17E-05	3.63E-05
3061	438182.02	3762686.45	1.43E-04	4.87E-04	2.22E-05	7.95E-05	1.19E-05	3.69E-05
3062	438185.55	3762695	1.45E-04	4.94E-04	2.25E-05	8.07E-05	1.21E-05	3.75E-05
3063	438189.08	3762703.55	1.47E-04	5.02E-04	2.29E-05	8.19E-05	1.23E-05	3.80E-05
3064	438192.61	3762712.1	1.49E-04	5.09E-04	2.32E-05	8.31E-05	1.25E-05	3.85E-05

3065	437985.74	3762217.84	4.47E-05	1.52E-04	6.94E-06	2.49E-05	3.74E-06	1.15E-05
3066	437994.34	3762221.4	4.48E-05	1.53E-04	6.96E-06	2.50E-05	3.75E-06	1.16E-05
3067	438002.93	3762224.97	4.49E-05	1.53E-04	6.98E-06	2.50E-05	3.76E-06	1.16E-05
3068	438011.52	3762228.53	4.50E-05	1.53E-04	6.99E-06	2.51E-05	3.77E-06	1.16E-05
3069	438020.11	3762232.09	4.51E-05	1.54E-04	7.01E-06	2.51E-05	3.77E-06	1.16E-05
3070	438028.71	3762235.65	4.51E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
3071	438040.85	3762247.81	4.61E-05	1.57E-04	7.16E-06	2.57E-05	3.86E-06	1.19E-05
3072	438044.4	3762256.41	4.70E-05	1.60E-04	7.30E-06	2.62E-05	3.93E-06	1.21E-05
3073	438047.95	3762265.01	4.78E-05	1.63E-04	7.43E-06	2.67E-05	4.00E-06	1.24E-05
3074	438051.5	3762273.61	4.88E-05	1.66E-04	7.58E-06	2.72E-05	4.08E-06	1.26E-05
3075	438055.05	3762282.21	4.97E-05	1.69E-04	7.72E-06	2.77E-05	4.16E-06	1.28E-05
3076	438058.61	3762290.8	5.06E-05	1.73E-04	7.87E-06	2.82E-05	4.24E-06	1.31E-05
3077	438062.16	3762299.4	5.16E-05	1.76E-04	8.01E-06	2.87E-05	4.32E-06	1.33E-05
3078	438065.71	3762308	5.26E-05	1.79E-04	8.17E-06	2.93E-05	4.40E-06	1.36E-05
3079	438069.26	3762316.6	5.36E-05	1.83E-04	8.32E-06	2.98E-05	4.48E-06	1.38E-05
3080	438072.81	3762325.2	5.46E-05	1.86E-04	8.48E-06	3.04E-05	4.57E-06	1.41E-05
3081	438076.36	3762333.8	5.56E-05	1.90E-04	8.64E-06	3.10E-05	4.66E-06	1.44E-05
3082	438079.91	3762342.39	5.67E-05	1.93E-04	8.81E-06	3.16E-05	4.74E-06	1.46E-05
3083	438083.46	3762350.99	5.78E-05	1.97E-04	8.98E-06	3.22E-05	4.84E-06	1.49E-05
3084	438087.01	3762359.59	5.89E-05	2.01E-04	9.15E-06	3.28E-05	4.93E-06	1.52E-05
3085	438090.56	3762368.19	6.01E-05	2.05E-04	9.33E-06	3.35E-05	5.03E-06	1.55E-05
3086	438094.11	3762376.79	6.12E-05	2.09E-04	9.52E-06	3.41E-05	5.13E-06	1.58E-05
3087	438097.66	3762385.38	6.25E-05	2.13E-04	9.71E-06	3.48E-05	5.23E-06	1.61E-05
3088	438101.21	3762393.98	6.37E-05	2.17E-04	9.90E-06	3.55E-05	5.33E-06	1.65E-05
3089	438104.76	3762402.58	6.50E-05	2.22E-04	1.01E-05	3.62E-05	5.44E-06	1.68E-05
3090	438108.31	3762411.18	6.64E-05	2.26E-04	1.03E-05	3.70E-05	5.56E-06	1.72E-05
3091	438111.87	3762419.78	6.78E-05	2.31E-04	1.05E-05	3.77E-05	5.67E-06	1.75E-05
3092	438115.42	3762428.37	6.92E-05	2.36E-04	1.08E-05	3.85E-05	5.79E-06	1.79E-05
3093	438118.97	3762436.97	7.07E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
3094	438122.52	3762445.57	7.22E-05	2.46E-04	1.12E-05	4.02E-05	6.04E-06	1.87E-05
3095	438126.07	3762454.17	7.38E-05	2.52E-04	1.15E-05	4.11E-05	6.18E-06	1.91E-05
3096	438129.62	3762462.77	7.54E-05	2.57E-04	1.17E-05	4.20E-05	6.31E-06	1.95E-05
3097	438133.17	3762471.37	7.71E-05	2.63E-04	1.20E-05	4.30E-05	6.46E-06	1.99E-05
3098	438136.72	3762479.96	7.89E-05	2.69E-04	1.23E-05	4.39E-05	6.60E-06	2.04E-05
3099	438140.27	3762488.56	8.06E-05	2.75E-04	1.25E-05	4.49E-05	6.75E-06	2.08E-05
3100	438143.82	3762497.16	8.25E-05	2.81E-04	1.28E-05	4.59E-05	6.90E-06	2.13E-05
3101	438147.37	3762505.76	8.44E-05	2.88E-04	1.31E-05	4.70E-05	7.06E-06	2.18E-05
3102	438150.92	3762514.36	8.63E-05	2.94E-04	1.34E-05	4.81E-05	7.22E-06	2.23E-05
3103	438154.47	3762522.95	8.83E-05	3.01E-04	1.37E-05	4.92E-05	7.39E-06	2.28E-05
3104	438158.02	3762531.55	9.03E-05	3.08E-04	1.40E-05	5.03E-05	7.56E-06	2.33E-05
3105	438161.58	3762540.15	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.73E-06	2.39E-05
3106	438165.13	3762548.75	9.44E-05	3.22E-04	1.47E-05	5.26E-05	7.90E-06	2.44E-05
3107	438168.68	3762557.35	9.66E-05	3.29E-04	1.50E-05	5.38E-05	8.08E-06	2.50E-05
3108	438172.23	3762565.94	9.87E-05	3.37E-04	1.53E-05	5.50E-05	8.26E-06	2.55E-05
3109	438175.78	3762574.54	1.01E-04	3.44E-04	1.57E-05	5.62E-05	8.45E-06	2.61E-05
3110	438179.33	3762583.14	1.03E-04	3.52E-04	1.60E-05	5.74E-05	8.63E-06	2.66E-05
3111	438193.53	3762617.53	1.12E-04	3.82E-04	1.74E-05	6.24E-05	9.37E-06	2.89E-05
3112	438197.08	3762626.13	1.14E-04	3.89E-04	1.77E-05	6.36E-05	9.56E-06	2.95E-05
3113	438200.63	3762634.73	1.16E-04	3.97E-04	1.81E-05	6.48E-05	9.74E-06	3.01E-05
3114	438204.18	3762643.33	1.19E-04	4.04E-04	1.84E-05	6.60E-05	9.92E-06	3.06E-05
3115	438207.73	3762651.93	1.21E-04	4.12E-04	1.88E-05	6.72E-05	1.01E-05	3.12E-05
3116	438211.28	3762660.52	1.23E-04	4.19E-04	1.91E-05	6.84E-05	1.03E-05	3.17E-05

3117	438214.84	3762669.12	1.25E-04	4.26E-04	1.94E-05	6.95E-05	1.04E-05	3.23E-05
3118	438218.39	3762677.72	1.27E-04	4.33E-04	1.97E-05	7.07E-05	1.06E-05	3.28E-05
3119	438221.94	3762686.32	1.29E-04	4.39E-04	2.00E-05	7.17E-05	1.08E-05	3.33E-05
3120	438225.49	3762694.92	1.31E-04	4.46E-04	2.03E-05	7.28E-05	1.09E-05	3.38E-05
3121	438229.04	3762703.51	1.33E-04	4.52E-04	2.06E-05	7.38E-05	1.11E-05	3.42E-05
3122	438232.59	3762712.11	1.34E-04	4.57E-04	2.08E-05	7.46E-05	1.12E-05	3.46E-05
3123	437987.88	3762178.73	4.02E-05	1.37E-04	6.25E-06	2.24E-05	3.37E-06	1.04E-05
3124	437996.52	3762182.31	4.03E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
3125	438005.15	3762185.89	4.05E-05	1.38E-04	6.29E-06	2.25E-05	3.39E-06	1.05E-05
3126	438013.79	3762189.47	4.06E-05	1.38E-04	6.31E-06	2.26E-05	3.40E-06	1.05E-05
3127	438022.42	3762193.05	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.41E-06	1.05E-05
3128	438031.06	3762196.63	4.08E-05	1.39E-04	6.34E-06	2.27E-05	3.41E-06	1.05E-05
3129	438039.7	3762200.21	4.09E-05	1.39E-04	6.35E-06	2.28E-05	3.42E-06	1.06E-05
3130	438048.33	3762203.79	4.10E-05	1.40E-04	6.36E-06	2.28E-05	3.43E-06	1.06E-05
3131	438056.97	3762207.37	4.10E-05	1.40E-04	6.37E-06	2.28E-05	3.43E-06	1.06E-05
3132	438069.17	3762219.59	4.18E-05	1.43E-04	6.50E-06	2.33E-05	3.50E-06	1.08E-05
3133	438072.74	3762228.23	4.26E-05	1.45E-04	6.61E-06	2.37E-05	3.56E-06	1.10E-05
3134	438076.31	3762236.87	4.33E-05	1.48E-04	6.73E-06	2.41E-05	3.63E-06	1.12E-05
3135	438079.88	3762245.52	4.41E-05	1.50E-04	6.85E-06	2.46E-05	3.69E-06	1.14E-05
3136	438083.45	3762254.16	4.49E-05	1.53E-04	6.98E-06	2.50E-05	3.76E-06	1.16E-05
3137	438087.02	3762262.8	4.57E-05	1.56E-04	7.10E-06	2.55E-05	3.82E-06	1.18E-05
3138	438090.58	3762271.44	4.65E-05	1.59E-04	7.23E-06	2.59E-05	3.89E-06	1.20E-05
3139	438094.15	3762280.08	4.73E-05	1.61E-04	7.35E-06	2.64E-05	3.96E-06	1.22E-05
3140	438097.72	3762288.72	4.82E-05	1.64E-04	7.48E-06	2.68E-05	4.03E-06	1.24E-05
3141	438101.29	3762297.36	4.90E-05	1.67E-04	7.62E-06	2.73E-05	4.10E-06	1.27E-05
3142	438104.86	3762306	4.99E-05	1.70E-04	7.75E-06	2.78E-05	4.18E-06	1.29E-05
3143	438108.43	3762314.64	5.08E-05	1.73E-04	7.89E-06	2.83E-05	4.25E-06	1.31E-05
3144	438111.99	3762323.28	5.17E-05	1.76E-04	8.03E-06	2.88E-05	4.33E-06	1.34E-05
3145	438115.56	3762331.92	5.26E-05	1.79E-04	8.18E-06	2.93E-05	4.40E-06	1.36E-05
3146	438119.13	3762340.57	5.36E-05	1.83E-04	8.33E-06	2.99E-05	4.49E-06	1.38E-05
3147	438122.7	3762349.21	5.46E-05	1.86E-04	8.48E-06	3.04E-05	4.57E-06	1.41E-05
3148	438126.27	3762357.85	5.56E-05	1.90E-04	8.64E-06	3.10E-05	4.65E-06	1.44E-05
3149	438129.84	3762366.49	5.66E-05	1.93E-04	8.80E-06	3.16E-05	4.74E-06	1.46E-05
3150	438133.4	3762375.13	5.77E-05	1.97E-04	8.97E-06	3.21E-05	4.83E-06	1.49E-05
3151	438136.97	3762383.77	5.88E-05	2.01E-04	9.14E-06	3.28E-05	4.92E-06	1.52E-05
3152	438140.54	3762392.41	6.00E-05	2.04E-04	9.32E-06	3.34E-05	5.02E-06	1.55E-05
3153	438144.11	3762401.05	6.11E-05	2.08E-04	9.50E-06	3.41E-05	5.12E-06	1.58E-05
3154	438147.68	3762409.69	6.23E-05	2.13E-04	9.69E-06	3.47E-05	5.22E-06	1.61E-05
3155	438151.25	3762418.33	6.36E-05	2.17E-04	9.88E-06	3.54E-05	5.32E-06	1.64E-05
3156	438154.81	3762426.98	6.49E-05	2.21E-04	1.01E-05	3.61E-05	5.43E-06	1.68E-05
3157	438158.38	3762435.62	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
3158	438161.95	3762444.26	6.76E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05
3159	438165.52	3762452.9	6.90E-05	2.35E-04	1.07E-05	3.85E-05	5.78E-06	1.78E-05
3160	438169.09	3762461.54	7.05E-05	2.40E-04	1.10E-05	3.93E-05	5.90E-06	1.82E-05
3161	438172.66	3762470.18	7.20E-05	2.46E-04	1.12E-05	4.01E-05	6.03E-06	1.86E-05
3162	438176.22	3762478.82	7.36E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
3163	438179.79	3762487.46	7.52E-05	2.56E-04	1.17E-05	4.19E-05	6.29E-06	1.94E-05
3164	438183.36	3762496.1	7.68E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.98E-05
3165	438197.63	3762530.67	8.37E-05	2.86E-04	1.30E-05	4.66E-05	7.01E-06	2.16E-05
3166	438201.2	3762539.31	8.55E-05	2.92E-04	1.33E-05	4.77E-05	7.16E-06	2.21E-05
3167	438204.77	3762547.95	8.74E-05	2.98E-04	1.36E-05	4.87E-05	7.31E-06	2.26E-05
3168	438208.34	3762556.59	8.92E-05	3.04E-04	1.39E-05	4.97E-05	7.47E-06	2.31E-05

3169	438211.91	3762565.23	9.11E-05	3.11E-04	1.42E-05	5.08E-05	7.63E-06	2.35E-05
3170	438215.48	3762573.87	9.30E-05	3.17E-04	1.44E-05	5.18E-05	7.78E-06	2.40E-05
3171	438219.05	3762582.51	9.49E-05	3.24E-04	1.47E-05	5.29E-05	7.94E-06	2.45E-05
3172	438233.32	3762617.08	1.03E-04	3.50E-04	1.59E-05	5.71E-05	8.58E-06	2.65E-05
3173	438236.89	3762625.72	1.04E-04	3.56E-04	1.62E-05	5.82E-05	8.74E-06	2.70E-05
3174	438240.46	3762634.36	1.06E-04	3.62E-04	1.65E-05	5.92E-05	8.90E-06	2.75E-05
3175	438244.02	3762643	1.08E-04	3.69E-04	1.68E-05	6.02E-05	9.05E-06	2.79E-05
3176	438247.59	3762651.64	1.10E-04	3.75E-04	1.71E-05	6.13E-05	9.20E-06	2.84E-05
3177	438251.16	3762660.28	1.12E-04	3.81E-04	1.74E-05	6.23E-05	9.35E-06	2.89E-05
3178	438254.73	3762668.92	1.14E-04	3.87E-04	1.76E-05	6.32E-05	9.50E-06	2.93E-05
3179	438258.3	3762677.56	1.15E-04	3.93E-04	1.79E-05	6.42E-05	9.64E-06	2.98E-05
3180	438261.87	3762686.2	1.17E-04	3.99E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
3181	438265.43	3762694.85	1.19E-04	4.04E-04	1.84E-05	6.60E-05	9.92E-06	3.06E-05
3182	438269	3762703.49	1.20E-04	4.10E-04	1.87E-05	6.69E-05	1.01E-05	3.10E-05
3183	438272.57	3762712.13	1.22E-04	4.15E-04	1.89E-05	6.78E-05	1.02E-05	3.15E-05
3184	437599.45	3761977.7	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.86E-06
3185	437608.12	3761981.3	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
3186	437616.8	3761984.89	2.34E-05	7.99E-05	3.64E-06	1.30E-05	1.96E-06	6.05E-06
3187	437625.47	3761988.49	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
3188	437634.15	3761992.09	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.03E-06	6.25E-06
3189	437642.82	3761995.68	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
3190	437651.5	3761999.28	2.50E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
3191	437989.81	3762139.53	3.64E-05	1.24E-04	5.66E-06	2.03E-05	3.05E-06	9.41E-06
3192	437998.49	3762143.13	3.66E-05	1.25E-04	5.68E-06	2.04E-05	3.06E-06	9.45E-06
3193	438007.16	3762146.72	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.48E-06
3194	438015.84	3762150.32	3.68E-05	1.26E-04	5.72E-06	2.05E-05	3.08E-06	9.51E-06
3195	438024.51	3762153.92	3.69E-05	1.26E-04	5.74E-06	2.06E-05	3.09E-06	9.54E-06
3196	438033.19	3762157.51	3.70E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.57E-06
3197	438041.86	3762161.11	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
3198	438050.53	3762164.71	3.72E-05	1.27E-04	5.78E-06	2.07E-05	3.11E-06	9.61E-06
3199	438059.21	3762168.3	3.73E-05	1.27E-04	5.79E-06	2.08E-05	3.12E-06	9.63E-06
3200	438067.88	3762171.9	3.74E-05	1.27E-04	5.81E-06	2.08E-05	3.13E-06	9.65E-06
3201	438076.56	3762175.49	3.74E-05	1.28E-04	5.82E-06	2.09E-05	3.13E-06	9.67E-06
3202	438085.23	3762179.09	3.75E-05	1.28E-04	5.83E-06	2.09E-05	3.14E-06	9.69E-06
3203	438097.49	3762191.37	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.20E-06	9.87E-06
3204	438101.08	3762200.05	3.88E-05	1.32E-04	6.03E-06	2.16E-05	3.25E-06	1.00E-05
3205	438104.66	3762208.73	3.95E-05	1.35E-04	6.14E-06	2.20E-05	3.31E-06	1.02E-05
3206	438108.25	3762217.41	4.02E-05	1.37E-04	6.24E-06	2.24E-05	3.36E-06	1.04E-05
3207	438111.83	3762226.08	4.08E-05	1.39E-04	6.35E-06	2.27E-05	3.42E-06	1.06E-05
3208	438115.41	3762234.76	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
3209	438119	3762243.44	4.22E-05	1.44E-04	6.56E-06	2.35E-05	3.53E-06	1.09E-05
3210	438122.58	3762252.12	4.29E-05	1.46E-04	6.67E-06	2.39E-05	3.59E-06	1.11E-05
3211	438126.17	3762260.8	4.36E-05	1.49E-04	6.78E-06	2.43E-05	3.65E-06	1.13E-05
3212	438129.75	3762269.48	4.43E-05	1.51E-04	6.89E-06	2.47E-05	3.71E-06	1.15E-05
3213	438133.34	3762278.16	4.51E-05	1.54E-04	7.00E-06	2.51E-05	3.77E-06	1.16E-05
3214	438136.92	3762286.84	4.58E-05	1.56E-04	7.12E-06	2.55E-05	3.84E-06	1.18E-05
3215	438140.51	3762295.52	4.66E-05	1.59E-04	7.24E-06	2.60E-05	3.90E-06	1.20E-05
3216	438144.09	3762304.2	4.74E-05	1.62E-04	7.36E-06	2.64E-05	3.97E-06	1.22E-05
3217	438147.67	3762312.88	4.82E-05	1.64E-04	7.49E-06	2.68E-05	4.03E-06	1.25E-05
3218	438151.26	3762321.56	4.90E-05	1.67E-04	7.62E-06	2.73E-05	4.10E-06	1.27E-05
3219	438154.84	3762330.24	4.99E-05	1.70E-04	7.75E-06	2.78E-05	4.17E-06	1.29E-05
3220	438158.43	3762338.92	5.07E-05	1.73E-04	7.88E-06	2.83E-05	4.25E-06	1.31E-05

3221	438162.01	3762347.6	5.16E-05	1.76E-04	8.02E-06	2.88E-05	4.32E-06	1.33E-05
3222	438165.6	3762356.28	5.25E-05	1.79E-04	8.16E-06	2.93E-05	4.40E-06	1.36E-05
3223	438169.18	3762364.96	5.35E-05	1.82E-04	8.31E-06	2.98E-05	4.48E-06	1.38E-05
3224	438172.76	3762373.64	5.45E-05	1.86E-04	8.46E-06	3.03E-05	4.56E-06	1.41E-05
3225	438176.35	3762382.32	5.55E-05	1.89E-04	8.62E-06	3.09E-05	4.64E-06	1.43E-05
3226	438179.93	3762391	5.65E-05	1.93E-04	8.78E-06	3.15E-05	4.73E-06	1.46E-05
3227	438183.52	3762399.68	5.76E-05	1.96E-04	8.95E-06	3.21E-05	4.82E-06	1.49E-05
3228	438187.1	3762408.36	5.87E-05	2.00E-04	9.12E-06	3.27E-05	4.91E-06	1.52E-05
3229	438190.69	3762417.04	5.98E-05	2.04E-04	9.30E-06	3.33E-05	5.01E-06	1.55E-05
3230	438194.27	3762425.72	6.10E-05	2.08E-04	9.48E-06	3.40E-05	5.11E-06	1.58E-05
3231	438197.86	3762434.4	6.22E-05	2.12E-04	9.67E-06	3.47E-05	5.21E-06	1.61E-05
3232	438201.44	3762443.08	6.35E-05	2.16E-04	9.86E-06	3.54E-05	5.31E-06	1.64E-05
3233	438205.02	3762451.76	6.48E-05	2.21E-04	1.01E-05	3.61E-05	5.42E-06	1.67E-05
3234	438208.61	3762460.44	6.61E-05	2.25E-04	1.03E-05	3.68E-05	5.53E-06	1.71E-05
3235	438212.19	3762469.12	6.74E-05	2.30E-04	1.05E-05	3.76E-05	5.65E-06	1.74E-05
3236	438215.78	3762477.8	6.88E-05	2.35E-04	1.07E-05	3.83E-05	5.76E-06	1.78E-05
3237	438219.36	3762486.48	7.03E-05	2.40E-04	1.09E-05	3.91E-05	5.88E-06	1.82E-05
3238	438222.95	3762495.16	7.17E-05	2.45E-04	1.11E-05	4.00E-05	6.00E-06	1.85E-05
3239	438237.28	3762529.87	7.78E-05	2.65E-04	1.21E-05	4.34E-05	6.52E-06	2.01E-05
3240	438240.87	3762538.55	7.94E-05	2.71E-04	1.23E-05	4.43E-05	6.65E-06	2.05E-05
3241	438244.45	3762547.23	8.10E-05	2.76E-04	1.26E-05	4.51E-05	6.78E-06	2.09E-05
3242	438248.04	3762555.91	8.27E-05	2.82E-04	1.28E-05	4.61E-05	6.92E-06	2.14E-05
3243	438251.62	3762564.59	8.43E-05	2.88E-04	1.31E-05	4.70E-05	7.06E-06	2.18E-05
3244	438255.2	3762573.27	8.60E-05	2.93E-04	1.34E-05	4.79E-05	7.19E-06	2.22E-05
3245	438258.79	3762581.95	8.76E-05	2.99E-04	1.36E-05	4.88E-05	7.33E-06	2.26E-05
3246	438294.63	3762668.75	1.04E-04	3.54E-04	1.61E-05	5.78E-05	8.68E-06	2.68E-05
3247	438298.22	3762677.43	1.05E-04	3.59E-04	1.63E-05	5.86E-05	8.80E-06	2.72E-05
3248	438301.8	3762686.11	1.07E-04	3.64E-04	1.66E-05	5.94E-05	8.92E-06	2.75E-05
3249	438305.39	3762694.79	1.08E-04	3.68E-04	1.68E-05	6.02E-05	9.04E-06	2.79E-05
3250	438308.97	3762703.47	1.09E-04	3.73E-04	1.70E-05	6.10E-05	9.16E-06	2.83E-05
3251	438312.55	3762712.15	1.11E-04	3.78E-04	1.72E-05	6.17E-05	9.27E-06	2.86E-05
3252	437598.96	3761937.5	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
3253	437607.54	3761941.06	2.10E-05	7.15E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
3254	437616.11	3761944.61	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
3255	437624.69	3761948.17	2.16E-05	7.37E-05	3.36E-06	1.20E-05	1.81E-06	5.59E-06
3256	437633.27	3761951.72	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
3257	437641.85	3761955.28	2.23E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.76E-06
3258	437650.43	3761958.84	2.26E-05	7.71E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
3259	437659	3761962.39	2.29E-05	7.82E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
3260	437667.58	3761965.95	2.33E-05	7.94E-05	3.62E-06	1.30E-05	1.95E-06	6.02E-06
3261	437676.16	3761969.51	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
3262	437684.74	3761973.06	2.40E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
3263	437693.32	3761976.62	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.04E-06	6.28E-06
3264	437701.89	3761980.17	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
3265	437710.47	3761983.73	2.50E-05	8.52E-05	3.88E-06	1.39E-05	2.09E-06	6.46E-06
3266	437719.05	3761987.29	2.53E-05	8.63E-05	3.93E-06	1.41E-05	2.12E-06	6.54E-06
3267	437727.63	3761990.84	2.56E-05	8.74E-05	3.98E-06	1.43E-05	2.15E-06	6.62E-06
3268	437736.21	3761994.4	2.60E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.71E-06
3269	437744.78	3761997.95	2.63E-05	8.96E-05	4.08E-06	1.46E-05	2.20E-06	6.79E-06
3270	437993.54	3762101.08	3.32E-05	1.13E-04	5.15E-06	1.85E-05	2.78E-06	8.57E-06
3271	438002.12	3762104.64	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.61E-06
3272	438010.7	3762108.19	3.34E-05	1.14E-04	5.20E-06	1.86E-05	2.80E-06	8.64E-06

3273	438019.28	3762111.75	3.36E-05	1.14E-04	5.22E-06	1.87E-05	2.81E-06	8.67E-06
3274	438027.85	3762115.3	3.37E-05	1.15E-04	5.23E-06	1.88E-05	2.82E-06	8.71E-06
3275	438036.43	3762118.86	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.73E-06
3276	438045.01	3762122.42	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.76E-06
3277	438053.59	3762125.97	3.40E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.78E-06
3278	438062.17	3762129.53	3.41E-05	1.16E-04	5.29E-06	1.90E-05	2.85E-06	8.80E-06
3279	438070.74	3762133.09	3.41E-05	1.16E-04	5.31E-06	1.90E-05	2.86E-06	8.82E-06
3280	438079.32	3762136.64	3.42E-05	1.17E-04	5.32E-06	1.91E-05	2.86E-06	8.84E-06
3281	438087.9	3762140.2	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
3282	438096.48	3762143.75	3.44E-05	1.17E-04	5.34E-06	1.91E-05	2.88E-06	8.88E-06
3283	438105.06	3762147.31	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.89E-06
3284	438113.63	3762150.87	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.91E-06
3285	438125.76	3762163	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.93E-06	9.06E-06
3286	438129.3	3762171.59	3.56E-05	1.21E-04	5.53E-06	1.98E-05	2.98E-06	9.20E-06
3287	438132.85	3762180.17	3.62E-05	1.23E-04	5.62E-06	2.01E-05	3.03E-06	9.34E-06
3288	438136.39	3762188.75	3.67E-05	1.25E-04	5.71E-06	2.05E-05	3.07E-06	9.49E-06
3289	438139.93	3762197.34	3.73E-05	1.27E-04	5.80E-06	2.08E-05	3.12E-06	9.64E-06
3290	438143.48	3762205.92	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.79E-06
3291	438147.02	3762214.5	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
3292	438150.57	3762223.08	3.91E-05	1.33E-04	6.07E-06	2.18E-05	3.27E-06	1.01E-05
3293	438154.11	3762231.67	3.97E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.03E-05
3294	438157.66	3762240.25	4.03E-05	1.37E-04	6.26E-06	2.24E-05	3.37E-06	1.04E-05
3295	438161.2	3762248.83	4.09E-05	1.39E-04	6.36E-06	2.28E-05	3.42E-06	1.06E-05
3296	438164.74	3762257.41	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
3297	438168.29	3762266	4.22E-05	1.44E-04	6.55E-06	2.35E-05	3.53E-06	1.09E-05
3298	438171.83	3762274.58	4.28E-05	1.46E-04	6.65E-06	2.39E-05	3.58E-06	1.11E-05
3299	438175.38	3762283.16	4.35E-05	1.48E-04	6.76E-06	2.42E-05	3.64E-06	1.12E-05
3300	438178.92	3762291.75	4.42E-05	1.51E-04	6.86E-06	2.46E-05	3.70E-06	1.14E-05
3301	438182.47	3762300.33	4.49E-05	1.53E-04	6.97E-06	2.50E-05	3.76E-06	1.16E-05
3302	438186.01	3762308.91	4.56E-05	1.55E-04	7.08E-06	2.54E-05	3.82E-06	1.18E-05
3303	438189.55	3762317.49	4.63E-05	1.58E-04	7.20E-06	2.58E-05	3.88E-06	1.20E-05
3304	438193.1	3762326.08	4.71E-05	1.61E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
3305	438196.64	3762334.66	4.78E-05	1.63E-04	7.43E-06	2.67E-05	4.00E-06	1.24E-05
3306	438200.19	3762343.24	4.86E-05	1.66E-04	7.56E-06	2.71E-05	4.07E-06	1.26E-05
3307	438203.73	3762351.83	4.95E-05	1.69E-04	7.69E-06	2.76E-05	4.14E-06	1.28E-05
3308	438207.28	3762360.41	5.03E-05	1.72E-04	7.82E-06	2.80E-05	4.21E-06	1.30E-05
3309	438210.82	3762368.99	5.12E-05	1.74E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
3310	438214.37	3762377.57	5.21E-05	1.78E-04	8.09E-06	2.90E-05	4.36E-06	1.35E-05
3311	438217.91	3762386.16	5.30E-05	1.81E-04	8.23E-06	2.95E-05	4.44E-06	1.37E-05
3312	438221.45	3762394.74	5.39E-05	1.84E-04	8.38E-06	3.00E-05	4.51E-06	1.39E-05
3313	438225	3762403.32	5.49E-05	1.87E-04	8.53E-06	3.06E-05	4.60E-06	1.42E-05
3314	438228.54	3762411.9	5.59E-05	1.91E-04	8.69E-06	3.12E-05	4.68E-06	1.45E-05
3315	438232.09	3762420.49	5.70E-05	1.94E-04	8.85E-06	3.17E-05	4.77E-06	1.47E-05
3316	438235.63	3762429.07	5.80E-05	1.98E-04	9.02E-06	3.23E-05	4.86E-06	1.50E-05
3317	438239.18	3762437.65	5.91E-05	2.02E-04	9.19E-06	3.29E-05	4.95E-06	1.53E-05
3318	438242.72	3762446.24	6.03E-05	2.06E-04	9.37E-06	3.36E-05	5.05E-06	1.56E-05
3319	438246.26	3762454.82	6.14E-05	2.10E-04	9.55E-06	3.42E-05	5.14E-06	1.59E-05
3320	438249.81	3762463.4	6.26E-05	2.14E-04	9.73E-06	3.49E-05	5.24E-06	1.62E-05
3321	438253.35	3762471.98	6.39E-05	2.18E-04	9.92E-06	3.56E-05	5.34E-06	1.65E-05
3322	438256.9	3762480.57	6.51E-05	2.22E-04	1.01E-05	3.63E-05	5.45E-06	1.68E-05
3323	438260.44	3762489.15	6.64E-05	2.26E-04	1.03E-05	3.70E-05	5.55E-06	1.71E-05
3324	438263.99	3762497.73	6.76E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05

3325	438299.43	3762583.56	8.15E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.11E-05
3326	438313.61	3762617.89	8.72E-05	2.97E-04	1.35E-05	4.86E-05	7.30E-06	2.25E-05
3327	438317.15	3762626.47	8.86E-05	3.02E-04	1.38E-05	4.94E-05	7.42E-06	2.29E-05
3328	438320.7	3762635.06	9.00E-05	3.07E-04	1.40E-05	5.01E-05	7.53E-06	2.33E-05
3329	438324.24	3762643.64	9.13E-05	3.11E-04	1.42E-05	5.09E-05	7.65E-06	2.36E-05
3330	438327.78	3762652.22	9.27E-05	3.16E-04	1.44E-05	5.16E-05	7.76E-06	2.40E-05
3331	438331.33	3762660.81	9.40E-05	3.21E-04	1.46E-05	5.24E-05	7.87E-06	2.43E-05
3332	438334.87	3762669.39	9.53E-05	3.25E-04	1.48E-05	5.31E-05	7.98E-06	2.46E-05
3333	438338.42	3762677.97	9.66E-05	3.29E-04	1.50E-05	5.38E-05	8.08E-06	2.49E-05
3334	438341.96	3762686.55	9.78E-05	3.33E-04	1.52E-05	5.45E-05	8.18E-06	2.53E-05
3335	438345.51	3762695.14	9.90E-05	3.37E-04	1.54E-05	5.51E-05	8.28E-06	2.56E-05
3336	438349.05	3762703.72	1.00E-04	3.41E-04	1.56E-05	5.58E-05	8.38E-06	2.59E-05
3337	437616.37	3761904.72	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
3338	437624.99	3761908.29	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
3339	437633.6	3761911.86	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
3340	437642.22	3761915.44	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
3341	437650.83	3761919.01	2.07E-05	7.06E-05	3.22E-06	1.15E-05	1.73E-06	5.35E-06
3342	437659.45	3761922.58	2.10E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
3343	437668.06	3761926.15	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
3344	437676.68	3761929.72	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
3345	437685.29	3761933.29	2.19E-05	7.46E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
3346	437693.91	3761936.86	2.22E-05	7.56E-05	3.45E-06	1.24E-05	1.86E-06	5.73E-06
3347	437702.52	3761940.44	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
3348	437711.14	3761944.01	2.28E-05	7.76E-05	3.54E-06	1.27E-05	1.91E-06	5.88E-06
3349	437719.75	3761947.58	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
3350	437728.37	3761951.15	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
3351	437736.99	3761954.72	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
3352	437745.6	3761958.29	2.39E-05	8.16E-05	3.72E-06	1.33E-05	2.00E-06	6.18E-06
3353	437754.22	3761961.87	2.42E-05	8.26E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
3354	437762.83	3761965.44	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
3355	437771.45	3761969.01	2.48E-05	8.46E-05	3.86E-06	1.38E-05	2.08E-06	6.41E-06
3356	437780.06	3761972.58	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
3357	437788.68	3761976.15	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
3358	437797.29	3761979.72	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
3359	437805.91	3761983.29	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
3360	437814.52	3761986.87	2.62E-05	8.92E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
3361	437823.14	3761990.44	2.64E-05	9.01E-05	4.11E-06	1.47E-05	2.21E-06	6.83E-06
3362	437831.75	3761994.01	2.67E-05	9.09E-05	4.14E-06	1.48E-05	2.23E-06	6.89E-06
3363	437840.37	3761997.58	2.69E-05	9.17E-05	4.18E-06	1.50E-05	2.25E-06	6.95E-06
3364	438090.21	3762101.16	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.64E-06	8.14E-06
3365	438098.82	3762104.73	3.16E-05	1.08E-04	4.90E-06	1.76E-05	2.64E-06	8.16E-06
3366	438107.44	3762108.3	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.65E-06	8.17E-06
3367	438116.05	3762111.87	3.17E-05	1.08E-04	4.92E-06	1.77E-05	2.65E-06	8.19E-06
3368	438124.67	3762115.44	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.20E-06
3369	438133.29	3762119.01	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.22E-06
3370	438141.9	3762122.59	3.19E-05	1.09E-04	4.95E-06	1.77E-05	2.67E-06	8.23E-06
3371	438154.08	3762134.78	3.24E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.36E-06
3372	438157.64	3762143.4	3.28E-05	1.12E-04	5.10E-06	1.83E-05	2.75E-06	8.49E-06
3373	438161.19	3762152.02	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.61E-06
3374	438164.75	3762160.64	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.74E-06
3375	438168.31	3762169.26	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
3376	438171.87	3762177.88	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.91E-06	8.99E-06

3377	438175.43	3762186.5	3.53E-05	1.20E-04	5.49E-06	1.97E-05	2.96E-06	9.13E-06
3378	438178.99	3762195.12	3.58E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.26E-06
3379	438182.55	3762203.74	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.04E-06	9.40E-06
3380	438186.11	3762212.36	3.69E-05	1.26E-04	5.73E-06	2.05E-05	3.09E-06	9.53E-06
3381	438189.67	3762220.98	3.74E-05	1.28E-04	5.81E-06	2.08E-05	3.13E-06	9.67E-06
3382	438193.23	3762229.6	3.80E-05	1.29E-04	5.90E-06	2.12E-05	3.18E-06	9.81E-06
3383	438196.79	3762238.22	3.85E-05	1.31E-04	5.99E-06	2.15E-05	3.22E-06	9.96E-06
3384	438200.35	3762246.84	3.91E-05	1.33E-04	6.07E-06	2.18E-05	3.27E-06	1.01E-05
3385	438203.91	3762255.46	3.97E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.03E-05
3386	438207.47	3762264.08	4.03E-05	1.37E-04	6.25E-06	2.24E-05	3.37E-06	1.04E-05
3387	438211.03	3762272.7	4.08E-05	1.39E-04	6.35E-06	2.28E-05	3.42E-06	1.06E-05
3388	438214.59	3762281.32	4.15E-05	1.41E-04	6.44E-06	2.31E-05	3.47E-06	1.07E-05
3389	438218.15	3762289.94	4.21E-05	1.43E-04	6.54E-06	2.34E-05	3.52E-06	1.09E-05
3390	438221.71	3762298.56	4.27E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
3391	438225.27	3762307.18	4.34E-05	1.48E-04	6.74E-06	2.42E-05	3.63E-06	1.12E-05
3392	438228.83	3762315.8	4.40E-05	1.50E-04	6.84E-06	2.45E-05	3.69E-06	1.14E-05
3393	438232.39	3762324.42	4.47E-05	1.53E-04	6.95E-06	2.49E-05	3.74E-06	1.16E-05
3394	438235.95	3762333.04	4.54E-05	1.55E-04	7.06E-06	2.53E-05	3.80E-06	1.17E-05
3395	438239.51	3762341.66	4.62E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
3396	438243.07	3762350.28	4.69E-05	1.60E-04	7.29E-06	2.61E-05	3.93E-06	1.21E-05
3397	438246.63	3762358.9	4.77E-05	1.63E-04	7.41E-06	2.66E-05	3.99E-06	1.23E-05
3398	438250.19	3762367.52	4.85E-05	1.65E-04	7.53E-06	2.70E-05	4.06E-06	1.25E-05
3399	438253.75	3762376.14	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
3400	438257.31	3762384.76	5.01E-05	1.71E-04	7.79E-06	2.79E-05	4.20E-06	1.30E-05
3401	438260.87	3762393.38	5.10E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
3402	438264.43	3762402	5.19E-05	1.77E-04	8.07E-06	2.89E-05	4.35E-06	1.34E-05
3403	438267.99	3762410.62	5.28E-05	1.80E-04	8.21E-06	2.94E-05	4.42E-06	1.37E-05
3404	438271.55	3762419.24	5.38E-05	1.83E-04	8.36E-06	3.00E-05	4.50E-06	1.39E-05
3405	438275.11	3762427.86	5.48E-05	1.87E-04	8.51E-06	3.05E-05	4.58E-06	1.42E-05
3406	438278.67	3762436.48	5.58E-05	1.90E-04	8.67E-06	3.11E-05	4.67E-06	1.44E-05
3407	438282.23	3762445.1	5.68E-05	1.94E-04	8.83E-06	3.16E-05	4.75E-06	1.47E-05
3408	438285.79	3762453.72	5.78E-05	1.97E-04	8.99E-06	3.22E-05	4.84E-06	1.49E-05
3409	438289.35	3762462.34	5.89E-05	2.01E-04	9.15E-06	3.28E-05	4.93E-06	1.52E-05
3410	438292.91	3762470.96	6.00E-05	2.05E-04	9.33E-06	3.34E-05	5.02E-06	1.55E-05
3411	438296.47	3762479.58	6.11E-05	2.08E-04	9.50E-06	3.41E-05	5.12E-06	1.58E-05
3412	438300.03	3762488.2	6.23E-05	2.12E-04	9.67E-06	3.47E-05	5.21E-06	1.61E-05
3413	438303.59	3762496.82	6.34E-05	2.16E-04	9.85E-06	3.53E-05	5.31E-06	1.64E-05
3414	438317.82	3762531.3	6.82E-05	2.33E-04	1.06E-05	3.80E-05	5.71E-06	1.76E-05
3415	438321.38	3762539.92	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
3416	438324.94	3762548.54	7.07E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
3417	438328.5	3762557.16	7.19E-05	2.45E-04	1.12E-05	4.01E-05	6.02E-06	1.86E-05
3418	438332.06	3762565.78	7.32E-05	2.50E-04	1.14E-05	4.08E-05	6.12E-06	1.89E-05
3419	438335.62	3762574.4	7.44E-05	2.54E-04	1.16E-05	4.15E-05	6.23E-06	1.92E-05
3420	438339.18	3762583.02	7.57E-05	2.58E-04	1.18E-05	4.22E-05	6.33E-06	1.96E-05
3421	438342.74	3762591.64	7.69E-05	2.62E-04	1.20E-05	4.29E-05	6.44E-06	1.99E-05
3422	438389.02	3762703.7	9.20E-05	3.14E-04	1.43E-05	5.13E-05	7.70E-06	2.38E-05
3423	438392.58	3762712.32	9.31E-05	3.17E-04	1.45E-05	5.18E-05	7.79E-06	2.40E-05
3424	437668.5	3761886.33	1.96E-05	6.68E-05	3.04E-06	1.09E-05	1.64E-06	5.06E-06
3425	437677.15	3761889.92	1.98E-05	6.76E-05	3.08E-06	1.10E-05	1.66E-06	5.12E-06
3426	437685.8	3761893.51	2.01E-05	6.85E-05	3.12E-06	1.12E-05	1.68E-06	5.19E-06
3427	437694.45	3761897.09	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
3428	437703.1	3761900.68	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06

3429	437711.75	3761904.26	2.08E-05	7.10E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
3430	437720.4	3761907.85	2.11E-05	7.19E-05	3.28E-06	1.17E-05	1.76E-06	5.45E-06
3431	437729.05	3761911.43	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
3432	437737.7	3761915.02	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
3433	437746.35	3761918.61	2.19E-05	7.45E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
3434	437755	3761922.19	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
3435	437763.65	3761925.78	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
3436	437772.3	3761929.36	2.27E-05	7.74E-05	3.52E-06	1.26E-05	1.90E-06	5.86E-06
3437	437780.95	3761932.95	2.30E-05	7.83E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
3438	437789.6	3761936.53	2.32E-05	7.92E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
3439	437798.25	3761940.12	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
3440	437806.89	3761943.71	2.37E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
3441	437815.54	3761947.29	2.40E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
3442	437824.19	3761950.88	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
3443	437832.84	3761954.46	2.44E-05	8.34E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
3444	437841.49	3761958.05	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
3445	437850.14	3761961.63	2.49E-05	8.48E-05	3.86E-06	1.39E-05	2.08E-06	6.43E-06
3446	437858.79	3761965.22	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
3447	437867.44	3761968.81	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
3448	437876.09	3761972.39	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
3449	437884.74	3761975.98	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
3450	437893.39	3761979.56	2.58E-05	8.81E-05	4.02E-06	1.44E-05	2.16E-06	6.68E-06
3451	437902.04	3761983.15	2.60E-05	8.88E-05	4.05E-06	1.45E-05	2.18E-06	6.73E-06
3452	437910.69	3761986.73	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
3453	437919.34	3761990.32	2.64E-05	9.00E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06
3454	437927.99	3761993.91	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.87E-06
3455	437936.64	3761997.49	2.68E-05	9.13E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
3456	438182.39	3762106.55	3.00E-05	1.02E-04	4.67E-06	1.67E-05	2.51E-06	7.76E-06
3457	438185.97	3762115.2	3.05E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.87E-06
3458	438189.54	3762123.85	3.09E-05	1.05E-04	4.80E-06	1.72E-05	2.59E-06	7.98E-06
3459	438193.11	3762132.51	3.13E-05	1.07E-04	4.87E-06	1.74E-05	2.62E-06	8.09E-06
3460	438196.69	3762141.16	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.20E-06
3461	438200.26	3762149.82	3.22E-05	1.10E-04	5.00E-06	1.79E-05	2.69E-06	8.31E-06
3462	438203.84	3762158.47	3.26E-05	1.11E-04	5.07E-06	1.82E-05	2.73E-06	8.43E-06
3463	438207.41	3762167.13	3.31E-05	1.13E-04	5.14E-06	1.84E-05	2.77E-06	8.54E-06
3464	438210.98	3762175.78	3.35E-05	1.14E-04	5.21E-06	1.87E-05	2.80E-06	8.66E-06
3465	438214.56	3762184.43	3.40E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.78E-06
3466	438218.13	3762193.09	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.90E-06
3467	438221.71	3762201.74	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.02E-06
3468	438225.28	3762210.4	3.54E-05	1.21E-04	5.50E-06	1.97E-05	2.96E-06	9.14E-06
3469	438228.85	3762219.05	3.59E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.27E-06
3470	438232.43	3762227.71	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.04E-06	9.40E-06
3471	438236	3762236.36	3.69E-05	1.26E-04	5.73E-06	2.05E-05	3.09E-06	9.53E-06
3472	438239.58	3762245.01	3.74E-05	1.27E-04	5.81E-06	2.08E-05	3.13E-06	9.66E-06
3473	438243.15	3762253.67	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.79E-06
3474	438246.72	3762262.32	3.84E-05	1.31E-04	5.97E-06	2.14E-05	3.22E-06	9.93E-06
3475	438250.3	3762270.98	3.90E-05	1.33E-04	6.06E-06	2.17E-05	3.26E-06	1.01E-05
3476	438253.87	3762279.63	3.95E-05	1.35E-04	6.14E-06	2.20E-05	3.31E-06	1.02E-05
3477	438257.44	3762288.29	4.01E-05	1.37E-04	6.23E-06	2.23E-05	3.36E-06	1.04E-05
3478	438261.02	3762296.94	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.41E-06	1.05E-05
3479	438264.59	3762305.59	4.13E-05	1.41E-04	6.42E-06	2.30E-05	3.46E-06	1.07E-05
3480	438268.17	3762314.25	4.19E-05	1.43E-04	6.51E-06	2.33E-05	3.51E-06	1.08E-05

3481	438271.74	3762322.9	4.25E-05	1.45E-04	6.61E-06	2.37E-05	3.56E-06	1.10E-05
3482	438275.31	3762331.56	4.32E-05	1.47E-04	6.71E-06	2.41E-05	3.62E-06	1.12E-05
3483	438278.89	3762340.21	4.39E-05	1.50E-04	6.82E-06	2.44E-05	3.67E-06	1.13E-05
3484	438282.46	3762348.87	4.46E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
3485	438286.04	3762357.52	4.53E-05	1.54E-04	7.03E-06	2.52E-05	3.79E-06	1.17E-05
3486	438300.33	3762392.14	4.84E-05	1.65E-04	7.51E-06	2.69E-05	4.05E-06	1.25E-05
3487	438303.91	3762400.79	4.92E-05	1.68E-04	7.64E-06	2.74E-05	4.12E-06	1.27E-05
3488	438307.48	3762409.45	5.00E-05	1.71E-04	7.77E-06	2.79E-05	4.19E-06	1.29E-05
3489	438311.05	3762418.1	5.09E-05	1.74E-04	7.91E-06	2.84E-05	4.26E-06	1.32E-05
3490	438314.63	3762426.76	5.18E-05	1.77E-04	8.05E-06	2.88E-05	4.33E-06	1.34E-05
3491	438325.35	3762452.72	5.46E-05	1.86E-04	8.48E-06	3.04E-05	4.57E-06	1.41E-05
3492	438328.92	3762461.37	5.56E-05	1.89E-04	8.63E-06	3.10E-05	4.65E-06	1.44E-05
3493	438332.5	3762470.03	5.66E-05	1.93E-04	8.79E-06	3.15E-05	4.73E-06	1.46E-05
3494	438336.07	3762478.68	5.76E-05	1.96E-04	8.94E-06	3.21E-05	4.82E-06	1.49E-05
3495	438339.64	3762487.34	5.86E-05	2.00E-04	9.10E-06	3.26E-05	4.90E-06	1.51E-05
3496	438343.22	3762495.99	5.96E-05	2.03E-04	9.26E-06	3.32E-05	4.99E-06	1.54E-05
3497	438346.79	3762504.64	6.07E-05	2.07E-04	9.43E-06	3.38E-05	5.08E-06	1.57E-05
3498	438389.68	3762608.5	7.38E-05	2.52E-04	1.15E-05	4.11E-05	6.18E-06	1.91E-05
3499	438393.25	3762617.15	7.49E-05	2.55E-04	1.16E-05	4.17E-05	6.27E-06	1.93E-05
3500	438396.83	3762625.8	7.60E-05	2.59E-04	1.18E-05	4.23E-05	6.36E-06	1.96E-05
3501	438400.4	3762634.46	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.45E-06	1.99E-05
3502	438403.97	3762643.11	7.81E-05	2.66E-04	1.21E-05	4.35E-05	6.54E-06	2.02E-05
3503	438407.55	3762651.77	7.91E-05	2.70E-04	1.23E-05	4.41E-05	6.62E-06	2.04E-05
3504	438411.12	3762660.42	8.01E-05	2.73E-04	1.24E-05	4.46E-05	6.71E-06	2.07E-05
3505	438414.7	3762669.08	8.11E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
3506	438418.27	3762677.73	8.21E-05	2.80E-04	1.28E-05	4.57E-05	6.87E-06	2.12E-05
3507	438421.84	3762686.38	8.30E-05	2.83E-04	1.29E-05	4.62E-05	6.95E-06	2.14E-05
3508	438425.42	3762695.04	8.39E-05	2.86E-04	1.30E-05	4.68E-05	7.03E-06	2.17E-05
3509	438428.99	3762703.69	8.49E-05	2.89E-04	1.32E-05	4.73E-05	7.10E-06	2.19E-05
3510	438432.57	3762712.35	8.57E-05	2.92E-04	1.33E-05	4.78E-05	7.18E-06	2.22E-05
3511	437693.12	3761856.54	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.83E-06
3512	437701.69	3761860.09	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
3513	437710.26	3761863.65	1.91E-05	6.53E-05	2.97E-06	1.07E-05	1.60E-06	4.95E-06
3514	437718.82	3761867.2	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
3515	437727.39	3761870.75	1.96E-05	6.68E-05	3.05E-06	1.09E-05	1.64E-06	5.06E-06
3516	437735.96	3761874.3	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
3517	437744.52	3761877.85	2.01E-05	6.85E-05	3.12E-06	1.12E-05	1.68E-06	5.19E-06
3518	437753.09	3761881.4	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
3519	437761.66	3761884.95	2.06E-05	7.01E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
3520	437770.22	3761888.51	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.38E-06
3521	437778.79	3761892.06	2.10E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
3522	437787.36	3761895.61	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
3523	437795.92	3761899.16	2.15E-05	7.34E-05	3.35E-06	1.20E-05	1.80E-06	5.57E-06
3524	437804.49	3761902.71	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.63E-06
3525	437813.06	3761906.26	2.20E-05	7.50E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
3526	437821.62	3761909.81	2.22E-05	7.58E-05	3.45E-06	1.24E-05	1.86E-06	5.74E-06
3527	437830.19	3761913.36	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
3528	437838.76	3761916.92	2.26E-05	7.71E-05	3.52E-06	1.26E-05	1.89E-06	5.85E-06
3529	437847.32	3761920.47	2.28E-05	7.78E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
3530	437855.89	3761924.02	2.30E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
3531	437864.46	3761927.57	2.32E-05	7.91E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
3532	437873.02	3761931.12	2.34E-05	7.97E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06

3533	437881.59	3761934.67	2.36E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
3534	437890.16	3761938.22	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
3535	437898.72	3761941.78	2.39E-05	8.15E-05	3.72E-06	1.33E-05	2.00E-06	6.18E-06
3536	437907.29	3761945.33	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.02E-06	6.22E-06
3537	437915.86	3761948.88	2.42E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
3538	437924.42	3761952.43	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
3539	437932.99	3761955.98	2.45E-05	8.37E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
3540	437941.56	3761959.53	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
3541	437950.12	3761963.08	2.48E-05	8.47E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
3542	437958.69	3761966.64	2.50E-05	8.52E-05	3.88E-06	1.39E-05	2.09E-06	6.46E-06
3543	437967.26	3761970.19	2.51E-05	8.57E-05	3.91E-06	1.40E-05	2.10E-06	6.49E-06
3544	437975.82	3761973.74	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
3545	438070.06	3762012.8	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
3546	438078.62	3762016.36	2.67E-05	9.11E-05	4.15E-06	1.49E-05	2.24E-06	6.90E-06
3547	438087.19	3762019.91	2.68E-05	9.14E-05	4.16E-06	1.49E-05	2.24E-06	6.93E-06
3548	438095.76	3762023.46	2.69E-05	9.17E-05	4.18E-06	1.50E-05	2.25E-06	6.95E-06
3549	438104.32	3762027.01	2.70E-05	9.20E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
3550	438112.89	3762030.56	2.71E-05	9.23E-05	4.20E-06	1.51E-05	2.26E-06	6.99E-06
3551	438121.46	3762034.11	2.71E-05	9.25E-05	4.22E-06	1.51E-05	2.27E-06	7.01E-06
3552	438130.02	3762037.66	2.72E-05	9.27E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
3553	438138.59	3762041.22	2.73E-05	9.30E-05	4.24E-06	1.52E-05	2.28E-06	7.04E-06
3554	438147.16	3762044.77	2.73E-05	9.32E-05	4.25E-06	1.52E-05	2.29E-06	7.06E-06
3555	438221.28	3762103.91	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.43E-06	7.51E-06
3556	438224.82	3762112.48	2.95E-05	1.00E-04	4.58E-06	1.64E-05	2.47E-06	7.61E-06
3557	438228.36	3762121.06	2.98E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
3558	438231.9	3762129.63	3.02E-05	1.03E-04	4.70E-06	1.68E-05	2.53E-06	7.81E-06
3559	438235.44	3762138.2	3.06E-05	1.04E-04	4.76E-06	1.70E-05	2.56E-06	7.91E-06
3560	438238.98	3762146.77	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.59E-06	8.01E-06
3561	438242.52	3762155.34	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
3562	438246.06	3762163.91	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.22E-06
3563	438249.6	3762172.48	3.22E-05	1.10E-04	5.00E-06	1.79E-05	2.70E-06	8.32E-06
3564	438253.14	3762181.06	3.26E-05	1.11E-04	5.07E-06	1.82E-05	2.73E-06	8.43E-06
3565	438256.68	3762189.63	3.30E-05	1.13E-04	5.13E-06	1.84E-05	2.76E-06	8.53E-06
3566	438260.22	3762198.2	3.35E-05	1.14E-04	5.20E-06	1.86E-05	2.80E-06	8.64E-06
3567	438263.76	3762206.77	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.76E-06
3568	438267.3	3762215.34	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.87E-06
3569	438270.84	3762223.91	3.48E-05	1.19E-04	5.40E-06	1.94E-05	2.91E-06	8.98E-06
3570	438274.38	3762232.49	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.10E-06
3571	438277.92	3762241.06	3.57E-05	1.22E-04	5.54E-06	1.99E-05	2.99E-06	9.22E-06
3572	438281.46	3762249.63	3.62E-05	1.23E-04	5.62E-06	2.01E-05	3.03E-06	9.34E-06
3573	438285	3762258.2	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.07E-06	9.46E-06
3574	438288.54	3762266.77	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
3575	438292.08	3762275.34	3.76E-05	1.28E-04	5.84E-06	2.10E-05	3.15E-06	9.72E-06
3576	438295.62	3762283.91	3.81E-05	1.30E-04	5.93E-06	2.12E-05	3.19E-06	9.85E-06
3577	438299.15	3762292.49	3.87E-05	1.32E-04	6.01E-06	2.15E-05	3.24E-06	9.99E-06
3578	438302.69	3762301.06	3.92E-05	1.34E-04	6.09E-06	2.18E-05	3.28E-06	1.01E-05
3579	438306.23	3762309.63	3.98E-05	1.36E-04	6.18E-06	2.21E-05	3.33E-06	1.03E-05
3580	438309.77	3762318.2	4.03E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
3581	438313.31	3762326.77	4.09E-05	1.40E-04	6.36E-06	2.28E-05	3.42E-06	1.06E-05
3582	438316.85	3762335.34	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
3583	438320.39	3762343.91	4.21E-05	1.44E-04	6.55E-06	2.35E-05	3.53E-06	1.09E-05
3584	438323.93	3762352.49	4.28E-05	1.46E-04	6.65E-06	2.38E-05	3.58E-06	1.11E-05

3585	438327.47	3762361.06	4.34E-05	1.48E-04	6.75E-06	2.42E-05	3.64E-06	1.12E-05
3586	438341.63	3762395.34	4.63E-05	1.58E-04	7.19E-06	2.58E-05	3.87E-06	1.20E-05
3587	438345.17	3762403.91	4.71E-05	1.60E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
3588	438348.71	3762412.49	4.78E-05	1.63E-04	7.43E-06	2.66E-05	4.00E-06	1.24E-05
3589	438391.19	3762515.34	5.84E-05	1.99E-04	9.07E-06	3.25E-05	4.89E-06	1.51E-05
3590	438394.73	3762523.92	5.93E-05	2.02E-04	9.22E-06	3.31E-05	4.97E-06	1.53E-05
3591	438398.27	3762532.49	6.03E-05	2.06E-04	9.37E-06	3.36E-05	5.05E-06	1.56E-05
3592	438401.81	3762541.06	6.13E-05	2.09E-04	9.52E-06	3.41E-05	5.13E-06	1.58E-05
3593	438405.35	3762549.63	6.22E-05	2.12E-04	9.67E-06	3.47E-05	5.21E-06	1.61E-05
3594	438408.88	3762558.2	6.32E-05	2.15E-04	9.82E-06	3.52E-05	5.29E-06	1.63E-05
3595	438412.42	3762566.77	6.41E-05	2.19E-04	9.96E-06	3.57E-05	5.37E-06	1.66E-05
3596	438415.96	3762575.34	6.51E-05	2.22E-04	1.01E-05	3.63E-05	5.45E-06	1.68E-05
3597	438419.5	3762583.92	6.60E-05	2.25E-04	1.03E-05	3.68E-05	5.53E-06	1.71E-05
3598	438423.04	3762592.49	6.70E-05	2.28E-04	1.04E-05	3.73E-05	5.61E-06	1.73E-05
3599	438426.58	3762601.06	6.79E-05	2.32E-04	1.06E-05	3.78E-05	5.69E-06	1.76E-05
3600	438430.12	3762609.63	6.89E-05	2.35E-04	1.07E-05	3.84E-05	5.77E-06	1.78E-05
3601	438433.66	3762618.2	6.98E-05	2.38E-04	1.09E-05	3.89E-05	5.85E-06	1.80E-05
3602	438437.2	3762626.77	7.08E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
3603	438440.74	3762635.34	7.17E-05	2.45E-04	1.11E-05	3.99E-05	6.00E-06	1.85E-05
3604	438444.28	3762643.92	7.26E-05	2.48E-04	1.13E-05	4.05E-05	6.08E-06	1.88E-05
3605	438447.82	3762652.49	7.35E-05	2.51E-04	1.14E-05	4.10E-05	6.15E-06	1.90E-05
3606	438451.36	3762661.06	7.44E-05	2.54E-04	1.16E-05	4.14E-05	6.23E-06	1.92E-05
3607	438454.9	3762669.63	7.53E-05	2.57E-04	1.17E-05	4.19E-05	6.30E-06	1.94E-05
3608	438458.44	3762678.2	7.61E-05	2.60E-04	1.18E-05	4.24E-05	6.37E-06	1.97E-05
3609	438461.98	3762686.77	7.69E-05	2.62E-04	1.20E-05	4.29E-05	6.44E-06	1.99E-05
3610	438465.52	3762695.35	7.77E-05	2.65E-04	1.21E-05	4.33E-05	6.51E-06	2.01E-05
3611	438469.06	3762703.92	7.85E-05	2.68E-04	1.22E-05	4.37E-05	6.57E-06	2.03E-05
3612	438472.6	3762712.49	7.93E-05	2.70E-04	1.23E-05	4.42E-05	6.64E-06	2.05E-05
3613	437537.28	3761799.72	1.50E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
3614	437527.89	3761799.72	1.49E-05	5.08E-05	2.31E-06	8.30E-06	1.25E-06	3.85E-06
3615	437518.5	3761799.72	1.48E-05	5.05E-05	2.30E-06	8.24E-06	1.24E-06	3.82E-06
3616	437509.1	3761799.72	1.47E-05	5.01E-05	2.28E-06	8.19E-06	1.23E-06	3.80E-06
3617	437499.71	3761799.73	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
3618	437490.32	3761799.73	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.22E-06	3.75E-06
3619	437480.93	3761799.73	1.44E-05	4.92E-05	2.24E-06	8.04E-06	1.21E-06	3.73E-06
3620	437471.54	3761799.73	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
3621	437462.15	3761799.73	1.42E-05	4.86E-05	2.21E-06	7.94E-06	1.19E-06	3.68E-06
3622	437719.45	3761827.46	1.80E-05	6.12E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
3623	437728.05	3761831.02	1.82E-05	6.20E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
3624	437736.65	3761834.59	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
3625	437745.25	3761838.15	1.86E-05	6.35E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
3626	437753.85	3761841.72	1.89E-05	6.43E-05	2.93E-06	1.05E-05	1.58E-06	4.87E-06
3627	437762.45	3761845.28	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
3628	437771.05	3761848.85	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
3629	437779.65	3761852.41	1.95E-05	6.66E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
3630	437788.25	3761855.98	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.65E-06	5.11E-06
3631	437796.84	3761859.54	2.00E-05	6.81E-05	3.11E-06	1.11E-05	1.67E-06	5.16E-06
3632	437805.44	3761863.11	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
3633	437814.04	3761866.67	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
3634	437822.64	3761870.24	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.73E-06	5.33E-06
3635	437831.24	3761873.8	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
3636	437839.84	3761877.37	2.10E-05	7.15E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06

3637	437848.44	3761880.93	2.11E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.46E-06
3638	437857.04	3761884.5	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
3639	437865.64	3761888.06	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
3640	437874.24	3761891.63	2.16E-05	7.38E-05	3.36E-06	1.21E-05	1.81E-06	5.59E-06
3641	437882.84	3761895.19	2.18E-05	7.44E-05	3.39E-06	1.22E-05	1.83E-06	5.64E-06
3642	437891.44	3761898.76	2.20E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.68E-06
3643	437900.04	3761902.32	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
3644	437908.64	3761905.89	2.23E-05	7.60E-05	3.46E-06	1.24E-05	1.86E-06	5.76E-06
3645	437917.24	3761909.45	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
3646	437925.84	3761913.02	2.26E-05	7.70E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
3647	437934.44	3761916.58	2.27E-05	7.75E-05	3.53E-06	1.27E-05	1.90E-06	5.87E-06
3648	437943.04	3761920.15	2.29E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
3649	437951.64	3761923.71	2.30E-05	7.84E-05	3.57E-06	1.28E-05	1.92E-06	5.94E-06
3650	437960.24	3761927.28	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.94E-06	5.97E-06
3651	437968.84	3761930.84	2.33E-05	7.93E-05	3.61E-06	1.30E-05	1.95E-06	6.01E-06
3652	437977.44	3761934.41	2.34E-05	7.97E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06
3653	438046.23	3761962.93	2.44E-05	8.31E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
3654	438054.83	3761966.5	2.45E-05	8.35E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
3655	438063.43	3761970.06	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
3656	438072.03	3761973.63	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.07E-06	6.38E-06
3657	438080.63	3761977.19	2.48E-05	8.45E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
3658	438089.23	3761980.76	2.49E-05	8.48E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
3659	438097.83	3761984.32	2.50E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
3660	438106.43	3761987.89	2.50E-05	8.54E-05	3.89E-06	1.39E-05	2.10E-06	6.47E-06
3661	438115.03	3761991.45	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
3662	438123.63	3761995.02	2.52E-05	8.59E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
3663	438132.23	3761998.58	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
3664	438140.83	3762002.15	2.53E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
3665	438149.43	3762005.71	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
3666	438158.03	3762009.28	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
3667	438166.63	3762012.84	2.55E-05	8.70E-05	3.97E-06	1.42E-05	2.14E-06	6.59E-06
3668	438175.23	3762016.41	2.56E-05	8.72E-05	3.97E-06	1.42E-05	2.14E-06	6.61E-06
3669	438183.83	3762019.97	2.56E-05	8.74E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
3670	438192.43	3762023.54	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
3671	438201.03	3762027.1	2.57E-05	8.77E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
3672	438209.63	3762030.67	2.57E-05	8.78E-05	4.00E-06	1.43E-05	2.15E-06	6.65E-06
3673	438218.23	3762034.23	2.58E-05	8.79E-05	4.00E-06	1.44E-05	2.16E-06	6.66E-06
3674	438226.83	3762037.8	2.58E-05	8.80E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
3675	438260.3	3762101.59	2.81E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
3676	438263.85	3762110.2	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
3677	438267.41	3762118.8	2.88E-05	9.83E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
3678	438270.96	3762127.41	2.92E-05	9.95E-05	4.53E-06	1.63E-05	2.44E-06	7.54E-06
3679	438274.51	3762136.01	2.95E-05	1.01E-04	4.59E-06	1.65E-05	2.47E-06	7.63E-06
3680	438278.07	3762144.62	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
3681	438281.62	3762153.22	3.03E-05	1.03E-04	4.70E-06	1.69E-05	2.53E-06	7.82E-06
3682	438285.17	3762161.82	3.06E-05	1.04E-04	4.76E-06	1.71E-05	2.56E-06	7.92E-06
3683	438288.73	3762170.43	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.01E-06
3684	438292.28	3762179.03	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
3685	438295.83	3762187.64	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.21E-06
3686	438299.39	3762196.24	3.22E-05	1.10E-04	5.00E-06	1.79E-05	2.69E-06	8.31E-06
3687	438302.94	3762204.85	3.25E-05	1.11E-04	5.06E-06	1.81E-05	2.72E-06	8.41E-06
3688	438306.49	3762213.45	3.29E-05	1.12E-04	5.12E-06	1.83E-05	2.76E-06	8.51E-06

3689	438310.05	3762222.06	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.62E-06
3690	438313.6	3762230.66	3.38E-05	1.15E-04	5.24E-06	1.88E-05	2.83E-06	8.72E-06
3691	438317.15	3762239.27	3.42E-05	1.17E-04	5.31E-06	1.90E-05	2.86E-06	8.83E-06
3692	438320.71	3762247.87	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.94E-06
3693	438324.26	3762256.47	3.50E-05	1.20E-04	5.45E-06	1.95E-05	2.93E-06	9.06E-06
3694	438327.81	3762265.08	3.55E-05	1.21E-04	5.52E-06	1.98E-05	2.97E-06	9.17E-06
3695	438331.37	3762273.68	3.60E-05	1.23E-04	5.59E-06	2.00E-05	3.01E-06	9.29E-06
3696	438334.92	3762282.29	3.64E-05	1.24E-04	5.66E-06	2.03E-05	3.05E-06	9.42E-06
3697	438338.47	3762290.89	3.69E-05	1.26E-04	5.74E-06	2.06E-05	3.09E-06	9.54E-06
3698	438342.03	3762299.5	3.74E-05	1.28E-04	5.82E-06	2.09E-05	3.13E-06	9.67E-06
3699	438345.58	3762308.1	3.80E-05	1.29E-04	5.90E-06	2.11E-05	3.18E-06	9.81E-06
3700	438349.13	3762316.71	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
3701	438391.77	3762419.96	4.62E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
3702	438395.33	3762428.56	4.69E-05	1.60E-04	7.29E-06	2.61E-05	3.93E-06	1.21E-05
3703	438398.88	3762437.17	4.77E-05	1.62E-04	7.40E-06	2.65E-05	3.99E-06	1.23E-05
3704	438402.43	3762445.77	4.84E-05	1.65E-04	7.52E-06	2.70E-05	4.05E-06	1.25E-05
3705	438405.99	3762454.38	4.92E-05	1.68E-04	7.65E-06	2.74E-05	4.12E-06	1.27E-05
3706	438409.54	3762462.98	5.00E-05	1.71E-04	7.77E-06	2.79E-05	4.19E-06	1.29E-05
3707	438413.09	3762471.59	5.08E-05	1.73E-04	7.89E-06	2.83E-05	4.25E-06	1.31E-05
3708	438416.65	3762480.19	5.16E-05	1.76E-04	8.02E-06	2.88E-05	4.32E-06	1.33E-05
3709	438420.2	3762488.8	5.25E-05	1.79E-04	8.15E-06	2.92E-05	4.39E-06	1.36E-05
3710	438423.75	3762497.4	5.33E-05	1.82E-04	8.28E-06	2.97E-05	4.46E-06	1.38E-05
3711	438427.31	3762506.01	5.42E-05	1.85E-04	8.41E-06	3.02E-05	4.53E-06	1.40E-05
3712	438430.86	3762514.61	5.50E-05	1.88E-04	8.55E-06	3.06E-05	4.60E-06	1.42E-05
3713	438434.41	3762523.21	5.59E-05	1.90E-04	8.68E-06	3.11E-05	4.68E-06	1.44E-05
3714	438437.97	3762531.82	5.67E-05	1.93E-04	8.81E-06	3.16E-05	4.75E-06	1.47E-05
3715	438441.52	3762540.42	5.76E-05	1.96E-04	8.95E-06	3.21E-05	4.82E-06	1.49E-05
3716	438445.07	3762549.03	5.84E-05	1.99E-04	9.08E-06	3.25E-05	4.89E-06	1.51E-05
3717	438448.63	3762557.63	5.93E-05	2.02E-04	9.21E-06	3.30E-05	4.96E-06	1.53E-05
3718	438452.18	3762566.24	6.01E-05	2.05E-04	9.34E-06	3.35E-05	5.03E-06	1.55E-05
3719	438455.73	3762574.84	6.10E-05	2.08E-04	9.48E-06	3.40E-05	5.10E-06	1.58E-05
3720	438459.29	3762583.45	6.18E-05	2.11E-04	9.61E-06	3.44E-05	5.17E-06	1.60E-05
3721	438462.84	3762592.05	6.27E-05	2.14E-04	9.74E-06	3.49E-05	5.25E-06	1.62E-05
3722	438466.39	3762600.65	6.35E-05	2.17E-04	9.87E-06	3.54E-05	5.32E-06	1.64E-05
3723	438469.95	3762609.26	6.44E-05	2.19E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
3724	438473.5	3762617.86	6.52E-05	2.22E-04	1.01E-05	3.63E-05	5.46E-06	1.68E-05
3725	438477.05	3762626.47	6.60E-05	2.25E-04	1.03E-05	3.68E-05	5.53E-06	1.71E-05
3726	438480.61	3762635.07	6.68E-05	2.28E-04	1.04E-05	3.72E-05	5.60E-06	1.73E-05
3727	438484.16	3762643.68	6.77E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05
3728	438487.71	3762652.28	6.84E-05	2.33E-04	1.06E-05	3.81E-05	5.73E-06	1.77E-05
3729	438491.27	3762660.89	6.92E-05	2.36E-04	1.08E-05	3.86E-05	5.79E-06	1.79E-05
3730	438494.82	3762669.49	7.00E-05	2.39E-04	1.09E-05	3.90E-05	5.86E-06	1.81E-05
3731	438498.37	3762678.1	7.07E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
3732	438501.93	3762686.7	7.15E-05	2.44E-04	1.11E-05	3.98E-05	5.98E-06	1.85E-05
3733	438505.48	3762695.3	7.22E-05	2.46E-04	1.12E-05	4.02E-05	6.04E-06	1.87E-05
3734	438509.03	3762703.91	7.29E-05	2.49E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
3735	438512.59	3762712.51	7.36E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
3736	437737.29	3761794.85	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.43E-06
3737	437745.92	3761798.43	1.74E-05	5.92E-05	2.70E-06	9.68E-06	1.45E-06	4.49E-06
3738	437754.55	3761802.01	1.76E-05	5.99E-05	2.73E-06	9.79E-06	1.47E-06	4.54E-06
3739	437763.18	3761805.59	1.78E-05	6.06E-05	2.76E-06	9.90E-06	1.49E-06	4.59E-06
3740	437771.81	3761809.16	1.80E-05	6.13E-05	2.79E-06	1.00E-05	1.51E-06	4.65E-06

3741	437780.44	3761812.74	1.82E-05	6.20E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
3742	437789.07	3761816.32	1.84E-05	6.27E-05	2.86E-06	1.02E-05	1.54E-06	4.75E-06
3743	437797.7	3761819.9	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.80E-06
3744	437806.33	3761823.48	1.88E-05	6.41E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06
3745	437814.96	3761827.05	1.90E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.90E-06
3746	437823.59	3761830.63	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
3747	437832.22	3761834.21	1.94E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
3748	437840.85	3761837.79	1.95E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
3749	437849.48	3761841.36	1.97E-05	6.73E-05	3.06E-06	1.10E-05	1.65E-06	5.10E-06
3750	437858.11	3761844.94	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.66E-06	5.14E-06
3751	437866.74	3761848.52	2.00E-05	6.83E-05	3.11E-06	1.12E-05	1.68E-06	5.18E-06
3752	437875.37	3761852.1	2.02E-05	6.88E-05	3.14E-06	1.12E-05	1.69E-06	5.21E-06
3753	437884	3761855.68	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
3754	437892.63	3761859.25	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
3755	437901.26	3761862.83	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
3756	437909.89	3761866.41	2.07E-05	7.07E-05	3.22E-06	1.15E-05	1.73E-06	5.36E-06
3757	437918.52	3761869.99	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
3758	437927.15	3761873.56	2.10E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
3759	437935.78	3761877.14	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
3760	437944.41	3761880.72	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
3761	437953.04	3761884.3	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
3762	437961.67	3761887.88	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.56E-06
3763	437970.3	3761891.45	2.16E-05	7.37E-05	3.36E-06	1.20E-05	1.81E-06	5.59E-06
3764	437978.93	3761895.03	2.17E-05	7.41E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
3765	438047.97	3761923.65	2.27E-05	7.72E-05	3.52E-06	1.26E-05	1.90E-06	5.85E-06
3766	438056.6	3761927.23	2.28E-05	7.76E-05	3.54E-06	1.27E-05	1.90E-06	5.88E-06
3767	438065.23	3761930.81	2.29E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
3768	438073.87	3761934.39	2.30E-05	7.83E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
3769	438082.5	3761937.96	2.30E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
3770	438091.13	3761941.54	2.31E-05	7.89E-05	3.60E-06	1.29E-05	1.94E-06	5.98E-06
3771	438099.76	3761945.12	2.32E-05	7.92E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
3772	438108.39	3761948.7	2.33E-05	7.95E-05	3.62E-06	1.30E-05	1.95E-06	6.02E-06
3773	438117.02	3761952.27	2.34E-05	7.98E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06
3774	438125.65	3761955.85	2.35E-05	8.00E-05	3.65E-06	1.31E-05	1.96E-06	6.06E-06
3775	438134.28	3761959.43	2.35E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.08E-06
3776	438142.91	3761963.01	2.36E-05	8.05E-05	3.67E-06	1.31E-05	1.98E-06	6.10E-06
3777	438151.54	3761966.59	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.12E-06
3778	438160.17	3761970.16	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
3779	438168.8	3761973.74	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
3780	438177.43	3761977.32	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
3781	438186.06	3761980.9	2.39E-05	8.16E-05	3.72E-06	1.33E-05	2.00E-06	6.18E-06
3782	438194.69	3761984.47	2.40E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
3783	438203.32	3761988.05	2.40E-05	8.20E-05	3.74E-06	1.34E-05	2.01E-06	6.21E-06
3784	438211.95	3761991.63	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.02E-06	6.22E-06
3785	438220.58	3761995.21	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.23E-06
3786	438229.21	3761998.79	2.42E-05	8.24E-05	3.75E-06	1.35E-05	2.02E-06	6.24E-06
3787	438237.84	3762002.36	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.03E-06	6.25E-06
3788	438246.47	3762005.94	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
3789	438255.1	3762009.52	2.42E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
3790	438267.3	3762021.73	2.46E-05	8.37E-05	3.82E-06	1.37E-05	2.06E-06	6.34E-06
3791	438270.86	3762030.37	2.48E-05	8.47E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
3792	438274.43	3762039	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06

3793	438302.96	3762108.08	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
3794	438306.52	3762116.72	2.79E-05	9.51E-05	4.33E-06	1.55E-05	2.33E-06	7.20E-06
3795	438310.09	3762125.35	2.82E-05	9.62E-05	4.38E-06	1.57E-05	2.36E-06	7.29E-06
3796	438313.65	3762133.99	2.85E-05	9.73E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
3797	438317.22	3762142.62	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.42E-06	7.46E-06
3798	438320.79	3762151.26	2.92E-05	9.96E-05	4.54E-06	1.63E-05	2.44E-06	7.54E-06
3799	438324.35	3762159.89	2.95E-05	1.01E-04	4.59E-06	1.64E-05	2.47E-06	7.63E-06
3800	438327.92	3762168.53	2.99E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.72E-06
3801	438331.48	3762177.16	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.80E-06
3802	438335.05	3762185.8	3.05E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.89E-06
3803	438338.62	3762194.43	3.09E-05	1.05E-04	4.80E-06	1.72E-05	2.59E-06	7.98E-06
3804	438342.18	3762203.07	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
3805	438345.75	3762211.7	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.65E-06	8.17E-06
3806	438349.31	3762220.34	3.20E-05	1.09E-04	4.97E-06	1.78E-05	2.68E-06	8.27E-06
3807	438352.88	3762228.97	3.24E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.37E-06
3808	438388.54	3762315.33	3.68E-05	1.25E-04	5.71E-06	2.05E-05	3.08E-06	9.50E-06
3809	438392.1	3762323.96	3.73E-05	1.27E-04	5.79E-06	2.08E-05	3.12E-06	9.64E-06
3810	438395.67	3762332.6	3.78E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.77E-06
3811	438399.24	3762341.23	3.84E-05	1.31E-04	5.96E-06	2.14E-05	3.21E-06	9.91E-06
3812	438402.8	3762349.87	3.89E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
3813	438406.37	3762358.5	3.95E-05	1.35E-04	6.14E-06	2.20E-05	3.31E-06	1.02E-05
3814	438409.93	3762367.14	4.01E-05	1.37E-04	6.23E-06	2.23E-05	3.35E-06	1.04E-05
3815	438413.5	3762375.77	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.40E-06	1.05E-05
3816	438417.07	3762384.41	4.13E-05	1.41E-04	6.42E-06	2.30E-05	3.46E-06	1.07E-05
3817	438420.63	3762393.04	4.19E-05	1.43E-04	6.51E-06	2.33E-05	3.51E-06	1.08E-05
3818	438424.2	3762401.68	4.26E-05	1.45E-04	6.61E-06	2.37E-05	3.56E-06	1.10E-05
3819	438427.76	3762410.31	4.32E-05	1.47E-04	6.71E-06	2.41E-05	3.62E-06	1.12E-05
3820	438431.33	3762418.95	4.39E-05	1.50E-04	6.82E-06	2.44E-05	3.67E-06	1.13E-05
3821	438434.9	3762427.58	4.46E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
3822	438438.46	3762436.22	4.53E-05	1.54E-04	7.03E-06	2.52E-05	3.79E-06	1.17E-05
3823	438442.03	3762444.85	4.60E-05	1.57E-04	7.14E-06	2.56E-05	3.85E-06	1.19E-05
3824	438445.59	3762453.49	4.67E-05	1.59E-04	7.25E-06	2.60E-05	3.91E-06	1.21E-05
3825	438449.16	3762462.12	4.74E-05	1.62E-04	7.36E-06	2.64E-05	3.97E-06	1.22E-05
3826	438452.73	3762470.76	4.81E-05	1.64E-04	7.48E-06	2.68E-05	4.03E-06	1.24E-05
3827	438456.29	3762479.39	4.89E-05	1.67E-04	7.59E-06	2.72E-05	4.09E-06	1.26E-05
3828	438459.86	3762488.03	4.96E-05	1.69E-04	7.71E-06	2.76E-05	4.15E-06	1.28E-05
3829	438463.42	3762496.66	5.04E-05	1.72E-04	7.83E-06	2.81E-05	4.22E-06	1.30E-05
3830	438466.99	3762505.3	5.11E-05	1.74E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
3831	438470.56	3762513.93	5.19E-05	1.77E-04	8.06E-06	2.89E-05	4.34E-06	1.34E-05
3832	438474.12	3762522.57	5.27E-05	1.80E-04	8.18E-06	2.93E-05	4.41E-06	1.36E-05
3833	438477.69	3762531.2	5.34E-05	1.82E-04	8.30E-06	2.98E-05	4.47E-06	1.38E-05
3834	438481.25	3762539.84	5.42E-05	1.85E-04	8.42E-06	3.02E-05	4.54E-06	1.40E-05
3835	438484.82	3762548.47	5.50E-05	1.87E-04	8.54E-06	3.06E-05	4.60E-06	1.42E-05
3836	438488.39	3762557.11	5.57E-05	1.90E-04	8.66E-06	3.10E-05	4.67E-06	1.44E-05
3837	438491.95	3762565.74	5.65E-05	1.93E-04	8.78E-06	3.15E-05	4.73E-06	1.46E-05
3838	438495.52	3762574.38	5.73E-05	1.95E-04	8.90E-06	3.19E-05	4.79E-06	1.48E-05
3839	438499.08	3762583.01	5.80E-05	1.98E-04	9.02E-06	3.23E-05	4.86E-06	1.50E-05
3840	438502.65	3762591.65	5.88E-05	2.00E-04	9.13E-06	3.27E-05	4.92E-06	1.52E-05
3841	438506.22	3762600.28	5.95E-05	2.03E-04	9.25E-06	3.32E-05	4.98E-06	1.54E-05
3842	438509.78	3762608.92	6.03E-05	2.06E-04	9.37E-06	3.36E-05	5.05E-06	1.56E-05
3843	438513.35	3762617.55	6.10E-05	2.08E-04	9.48E-06	3.40E-05	5.11E-06	1.58E-05
3844	438516.91	3762626.19	6.18E-05	2.11E-04	9.60E-06	3.44E-05	5.17E-06	1.60E-05

3845	438520.48	3762634.83	6.25E-05	2.13E-04	9.71E-06	3.48E-05	5.23E-06	1.61E-05
3846	438524.05	3762643.46	6.32E-05	2.16E-04	9.82E-06	3.52E-05	5.29E-06	1.63E-05
3847	438527.61	3762652.1	6.39E-05	2.18E-04	9.93E-06	3.56E-05	5.35E-06	1.65E-05
3848	438531.18	3762660.73	6.46E-05	2.20E-04	1.00E-05	3.60E-05	5.41E-06	1.67E-05
3849	438534.74	3762669.37	6.53E-05	2.23E-04	1.01E-05	3.64E-05	5.47E-06	1.69E-05
3850	438538.31	3762678	6.60E-05	2.25E-04	1.03E-05	3.67E-05	5.52E-06	1.70E-05
3851	438541.88	3762686.64	6.66E-05	2.27E-04	1.04E-05	3.71E-05	5.58E-06	1.72E-05
3852	438545.44	3762695.27	6.73E-05	2.29E-04	1.05E-05	3.75E-05	5.63E-06	1.74E-05
3853	438549.01	3762703.91	6.79E-05	2.31E-04	1.05E-05	3.78E-05	5.68E-06	1.75E-05
3854	438552.57	3762712.54	6.85E-05	2.34E-04	1.06E-05	3.82E-05	5.73E-06	1.77E-05
3855	437683.45	3762710.71	1.36E-03	4.64E-03	2.12E-04	7.59E-04	1.14E-04	3.52E-04
3856	437703.45	3762710.71	1.17E-03	4.01E-03	1.83E-04	6.54E-04	9.83E-05	3.04E-04
3857	437723.45	3762710.71	1.02E-03	3.49E-03	1.59E-04	5.70E-04	8.56E-05	2.64E-04
3858	437743.45	3762710.71	8.98E-04	3.06E-03	1.39E-04	5.00E-04	7.51E-05	2.32E-04
3859	437803.45	3762710.71	6.34E-04	2.16E-03	9.85E-05	3.53E-04	5.31E-05	1.64E-04
3860	437803.45	3762674.65	4.97E-04	1.70E-03	7.73E-05	2.77E-04	4.16E-05	1.29E-04
3861	437863.45	3762710.71	4.70E-04	1.60E-03	7.31E-05	2.62E-04	3.94E-05	1.22E-04
3862	437863.45	3762701.7	4.47E-04	1.53E-03	6.95E-05	2.49E-04	3.75E-05	1.16E-04
3863	437863.45	3762692.68	4.25E-04	1.45E-03	6.61E-05	2.37E-04	3.56E-05	1.10E-04
3864	437893.45	3762710.71	4.11E-04	1.40E-03	6.39E-05	2.29E-04	3.44E-05	1.06E-04
3865	437893.45	3762701.7	3.93E-04	1.34E-03	6.10E-05	2.19E-04	3.29E-05	1.01E-04
3866	437893.45	3762692.68	3.75E-04	1.28E-03	5.82E-05	2.09E-04	3.13E-05	9.68E-05
3867	437923.45	3762710.71	3.62E-04	1.23E-03	5.63E-05	2.02E-04	3.03E-05	9.36E-05
3868	437923.45	3762701.7	3.47E-04	1.18E-03	5.39E-05	1.93E-04	2.90E-05	8.97E-05
3869	437923.45	3762692.68	3.32E-04	1.13E-03	5.16E-05	1.85E-04	2.78E-05	8.58E-05
3870	438013.45	3762710.71	2.58E-04	8.78E-04	4.00E-05	1.43E-04	2.16E-05	6.65E-05
3871	438013.45	3762701.7	2.49E-04	8.48E-04	3.86E-05	1.39E-04	2.08E-05	6.43E-05
3872	438013.45	3762692.68	2.40E-04	8.18E-04	3.73E-05	1.34E-04	2.01E-05	6.20E-05
3873	438043.45	3762710.71	2.32E-04	7.93E-04	3.61E-05	1.29E-04	1.95E-05	6.01E-05
3874	438043.45	3762701.7	2.25E-04	7.67E-04	3.50E-05	1.25E-04	1.88E-05	5.81E-05
3875	438043.45	3762692.68	2.18E-04	7.42E-04	3.38E-05	1.21E-04	1.82E-05	5.62E-05
3876	438083.45	3762719.73	2.11E-04	7.18E-04	3.27E-05	1.17E-04	1.76E-05	5.44E-05
3877	438083.45	3762710.71	2.04E-04	6.97E-04	3.18E-05	1.14E-04	1.71E-05	5.28E-05
3878	438123.45	3762683.67	1.66E-04	5.65E-04	2.57E-05	9.23E-05	1.39E-05	4.28E-05
3879	438123.45	3762674.65	1.61E-04	5.48E-04	2.50E-05	8.96E-05	1.35E-05	4.16E-05
3880	438163.45	3762710.71	1.61E-04	5.49E-04	2.50E-05	8.97E-05	1.35E-05	4.16E-05
3881	438163.45	3762701.7	1.57E-04	5.35E-04	2.44E-05	8.74E-05	1.31E-05	4.05E-05
3882	438163.45	3762692.68	1.53E-04	5.21E-04	2.37E-05	8.51E-05	1.28E-05	3.95E-05
3883	438163.45	3762683.67	1.49E-04	5.07E-04	2.31E-05	8.28E-05	1.24E-05	3.84E-05
3884	438163.45	3762674.65	1.45E-04	4.93E-04	2.25E-05	8.05E-05	1.21E-05	3.73E-05
3885	438203.45	3762710.71	1.44E-04	4.92E-04	2.24E-05	8.04E-05	1.21E-05	3.73E-05
3886	438203.45	3762701.7	1.41E-04	4.80E-04	2.19E-05	7.85E-05	1.18E-05	3.64E-05
3887	438203.45	3762692.68	1.37E-04	4.69E-04	2.13E-05	7.65E-05	1.15E-05	3.55E-05
3888	438203.45	3762683.67	1.34E-04	4.57E-04	2.08E-05	7.46E-05	1.12E-05	3.46E-05
3889	438203.45	3762674.65	1.30E-04	4.45E-04	2.03E-05	7.27E-05	1.09E-05	3.37E-05
3890	438243.45	3762710.71	1.30E-04	4.43E-04	2.02E-05	7.23E-05	1.09E-05	3.35E-05
3891	438243.45	3762701.7	1.27E-04	4.34E-04	1.98E-05	7.09E-05	1.07E-05	3.29E-05
3892	438243.45	3762692.68	1.24E-04	4.24E-04	1.93E-05	6.92E-05	1.04E-05	3.21E-05
3893	438243.45	3762683.67	1.21E-04	4.14E-04	1.88E-05	6.76E-05	1.02E-05	3.13E-05
3894	438243.45	3762674.65	1.18E-04	4.04E-04	1.84E-05	6.59E-05	9.91E-06	3.06E-05
3895	438283.45	3762710.71	1.18E-04	4.03E-04	1.84E-05	6.58E-05	9.89E-06	3.05E-05
3896	438283.45	3762701.7	1.16E-04	3.94E-04	1.80E-05	6.44E-05	9.67E-06	2.99E-05

3897	438283.45	3762692.68	1.13E-04	3.85E-04	1.76E-05	6.29E-05	9.46E-06	2.92E-05
3898	438283.45	3762683.67	1.10E-04	3.77E-04	1.72E-05	6.15E-05	9.24E-06	2.85E-05
3899	438283.45	3762674.65	1.08E-04	3.68E-04	1.68E-05	6.01E-05	9.03E-06	2.79E-05
3900	438323.45	3762710.71	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.01E-06	2.78E-05
3901	438323.45	3762701.7	1.05E-04	3.60E-04	1.64E-05	5.87E-05	8.83E-06	2.72E-05
3902	438323.45	3762692.68	1.03E-04	3.52E-04	1.60E-05	5.75E-05	8.64E-06	2.67E-05
3903	438323.45	3762683.67	1.01E-04	3.45E-04	1.57E-05	5.63E-05	8.46E-06	2.61E-05
3904	438323.45	3762674.65	9.89E-05	3.37E-04	1.54E-05	5.51E-05	8.28E-06	2.56E-05
3905	438403.45	3762710.71	9.07E-05	3.09E-04	1.41E-05	5.05E-05	7.59E-06	2.34E-05
3906	438403.45	3762701.7	8.90E-05	3.03E-04	1.38E-05	4.96E-05	7.45E-06	2.30E-05
3907	438403.45	3762692.68	8.73E-05	2.98E-04	1.36E-05	4.86E-05	7.30E-06	2.25E-05
3908	438403.45	3762683.67	8.56E-05	2.92E-04	1.33E-05	4.77E-05	7.16E-06	2.21E-05
3909	438403.45	3762674.65	8.39E-05	2.86E-04	1.30E-05	4.68E-05	7.03E-06	2.17E-05
3910	438443.45	3762710.71	8.36E-05	2.85E-04	1.30E-05	4.66E-05	7.00E-06	2.16E-05
3911	438443.45	3762701.7	8.22E-05	2.80E-04	1.28E-05	4.58E-05	6.88E-06	2.12E-05
3912	438443.45	3762692.68	8.07E-05	2.75E-04	1.25E-05	4.49E-05	6.75E-06	2.08E-05
3913	438443.45	3762683.67	7.92E-05	2.70E-04	1.23E-05	4.41E-05	6.63E-06	2.05E-05
3914	438443.45	3762674.65	7.77E-05	2.65E-04	1.21E-05	4.33E-05	6.50E-06	2.01E-05
3915	437433.52	3762664.69	1.39E-03	4.76E-03	2.17E-04	7.77E-04	1.17E-04	3.60E-04
3916	437423.62	3762664.73	1.33E-03	4.53E-03	2.06E-04	7.40E-04	1.11E-04	3.43E-04
3917	437413.73	3762664.76	1.26E-03	4.28E-03	1.95E-04	6.99E-04	1.05E-04	3.24E-04
3918	437403.84	3762664.8	1.18E-03	4.02E-03	1.83E-04	6.57E-04	9.88E-05	3.05E-04
3919	437393.94	3762664.84	1.11E-03	3.77E-03	1.72E-04	6.16E-04	9.25E-05	2.86E-04
3920	437433.48	3762654.69	1.15E-03	3.92E-03	1.79E-04	6.40E-04	9.62E-05	2.97E-04
3921	437423.59	3762654.73	1.10E-03	3.75E-03	1.71E-04	6.12E-04	9.20E-05	2.84E-04
3922	437413.69	3762654.76	1.04E-03	3.56E-03	1.62E-04	5.82E-04	8.74E-05	2.70E-04
3923	437403.8	3762654.8	9.88E-04	3.37E-03	1.53E-04	5.50E-04	8.27E-05	2.55E-04
3924	437393.9	3762654.84	9.31E-04	3.17E-03	1.45E-04	5.18E-04	7.79E-05	2.40E-04
3925	437433.44	3762644.69	9.63E-04	3.28E-03	1.50E-04	5.36E-04	8.06E-05	2.49E-04
3926	437423.55	3762644.73	9.24E-04	3.15E-03	1.44E-04	5.15E-04	7.73E-05	2.39E-04
3927	437413.65	3762644.76	8.82E-04	3.01E-03	1.37E-04	4.91E-04	7.38E-05	2.28E-04
3928	437403.76	3762644.8	8.38E-04	2.86E-03	1.30E-04	4.67E-04	7.02E-05	2.17E-04
3929	437393.86	3762644.84	7.94E-04	2.71E-03	1.23E-04	4.43E-04	6.65E-05	2.05E-04
3930	437433.4	3762634.69	8.17E-04	2.79E-03	1.27E-04	4.55E-04	6.84E-05	2.11E-04
3931	437423.51	3762634.73	7.86E-04	2.68E-03	1.22E-04	4.38E-04	6.58E-05	2.03E-04
3932	437413.61	3762634.76	7.53E-04	2.57E-03	1.17E-04	4.20E-04	6.31E-05	1.95E-04
3933	437403.72	3762634.8	7.20E-04	2.45E-03	1.12E-04	4.01E-04	6.02E-05	1.86E-04
3934	437393.83	3762634.84	6.85E-04	2.34E-03	1.07E-04	3.82E-04	5.74E-05	1.77E-04
3935	437433.36	3762624.69	7.01E-04	2.39E-03	1.09E-04	3.90E-04	5.87E-05	1.81E-04
3936	437423.47	3762624.73	6.76E-04	2.31E-03	1.05E-04	3.77E-04	5.66E-05	1.75E-04
3937	437413.58	3762624.76	6.51E-04	2.22E-03	1.01E-04	3.62E-04	5.45E-05	1.68E-04
3938	437403.68	3762624.8	6.24E-04	2.13E-03	9.70E-05	3.48E-04	5.22E-05	1.61E-04
3939	437393.79	3762624.84	5.97E-04	2.04E-03	9.28E-05	3.33E-04	5.00E-05	1.54E-04
3940	437433.33	3762614.69	6.08E-04	2.07E-03	9.45E-05	3.39E-04	5.09E-05	1.57E-04
3941	437423.43	3762614.73	5.88E-04	2.01E-03	9.14E-05	3.28E-04	4.92E-05	1.52E-04
3942	437413.54	3762614.76	5.67E-04	1.94E-03	8.82E-05	3.16E-04	4.75E-05	1.47E-04
3943	437403.64	3762614.8	5.46E-04	1.86E-03	8.49E-05	3.04E-04	4.57E-05	1.41E-04
3944	437393.75	3762614.84	5.25E-04	1.79E-03	8.15E-05	2.92E-04	4.39E-05	1.36E-04
3945	437433.29	3762604.69	5.32E-04	1.81E-03	8.27E-05	2.96E-04	4.45E-05	1.37E-04
3946	437423.39	3762604.73	5.16E-04	1.76E-03	8.02E-05	2.87E-04	4.32E-05	1.33E-04
3947	437413.5	3762604.76	4.99E-04	1.70E-03	7.76E-05	2.78E-04	4.18E-05	1.29E-04
3948	437403.61	3762604.8	4.82E-04	1.64E-03	7.49E-05	2.69E-04	4.04E-05	1.25E-04

3949	437393.71	3762604.84	4.65E-04	1.58E-03	7.22E-05	2.59E-04	3.89E-05	1.20E-04
3950	437475.58	3762607.98	6.16E-04	2.10E-03	9.58E-05	3.43E-04	5.16E-05	1.59E-04
3951	437433.25	3762594.69	4.69E-04	1.60E-03	7.29E-05	2.61E-04	3.93E-05	1.21E-04
3952	437423.35	3762594.73	4.56E-04	1.56E-03	7.09E-05	2.54E-04	3.82E-05	1.18E-04
3953	437413.46	3762594.76	4.42E-04	1.51E-03	6.87E-05	2.46E-04	3.70E-05	1.14E-04
3954	437403.57	3762594.8	4.28E-04	1.46E-03	6.66E-05	2.39E-04	3.59E-05	1.11E-04
3955	437393.67	3762594.84	4.14E-04	1.41E-03	6.44E-05	2.31E-04	3.47E-05	1.07E-04
3956	437433.21	3762584.69	4.17E-04	1.42E-03	6.47E-05	2.32E-04	3.49E-05	1.08E-04
3957	437423.32	3762584.73	4.06E-04	1.38E-03	6.30E-05	2.26E-04	3.40E-05	1.05E-04
3958	437413.42	3762584.76	3.94E-04	1.35E-03	6.13E-05	2.20E-04	3.30E-05	1.02E-04
3959	437403.53	3762584.8	3.83E-04	1.31E-03	5.95E-05	2.13E-04	3.20E-05	9.89E-05
3960	437393.63	3762584.84	3.71E-04	1.27E-03	5.77E-05	2.07E-04	3.11E-05	9.59E-05
3961	437478.55	3762589.23	4.86E-04	1.66E-03	7.55E-05	2.71E-04	4.07E-05	1.26E-04
3962	437433.17	3762574.69	3.72E-04	1.27E-03	5.78E-05	2.07E-04	3.11E-05	9.61E-05
3963	437423.28	3762574.73	3.63E-04	1.24E-03	5.64E-05	2.02E-04	3.04E-05	9.38E-05
3964	437413.38	3762574.76	3.54E-04	1.21E-03	5.49E-05	1.97E-04	2.96E-05	9.14E-05
3965	437403.49	3762574.8	3.44E-04	1.17E-03	5.35E-05	1.92E-04	2.88E-05	8.89E-05
3966	437393.6	3762574.84	3.34E-04	1.14E-03	5.20E-05	1.86E-04	2.80E-05	8.64E-05
3967	437477.05	3762568.64	3.82E-04	1.30E-03	5.93E-05	2.13E-04	3.19E-05	9.86E-05
3968	437433.1	3762554.69	3.02E-04	1.03E-03	4.69E-05	1.68E-04	2.52E-05	7.79E-05
3969	437423.2	3762554.73	2.95E-04	1.01E-03	4.58E-05	1.64E-04	2.47E-05	7.62E-05
3970	437413.31	3762554.76	2.88E-04	9.83E-04	4.48E-05	1.61E-04	2.41E-05	7.45E-05
3971	437403.41	3762554.8	2.82E-04	9.60E-04	4.38E-05	1.57E-04	2.36E-05	7.28E-05
3972	437393.52	3762554.84	2.75E-04	9.37E-04	4.27E-05	1.53E-04	2.30E-05	7.10E-05
3973	437479.04	3762549.49	3.13E-04	1.07E-03	4.87E-05	1.74E-04	2.62E-05	8.09E-05
3974	437524.19	3762568.04	4.01E-04	1.37E-03	6.24E-05	2.24E-04	3.36E-05	1.04E-04
3975	437533.22	3762571.75	4.20E-04	1.43E-03	6.53E-05	2.34E-04	3.52E-05	1.09E-04
3976	437433.02	3762534.69	2.49E-04	8.49E-04	3.87E-05	1.39E-04	2.08E-05	6.44E-05
3977	437423.12	3762534.73	2.44E-04	8.32E-04	3.79E-05	1.36E-04	2.04E-05	6.31E-05
3978	437413.23	3762534.77	2.39E-04	8.16E-04	3.72E-05	1.33E-04	2.00E-05	6.18E-05
3979	437403.34	3762534.8	2.34E-04	7.99E-04	3.64E-05	1.30E-04	1.96E-05	6.05E-05
3980	437393.44	3762534.84	2.29E-04	7.82E-04	3.56E-05	1.28E-04	1.92E-05	5.93E-05
3981	437477.77	3762529	2.57E-04	8.76E-04	3.99E-05	1.43E-04	2.15E-05	6.63E-05
3982	437530.17	3762550.53	3.36E-04	1.15E-03	5.22E-05	1.87E-04	2.81E-05	8.68E-05
3983	437432.94	3762514.69	2.09E-04	7.13E-04	3.25E-05	1.16E-04	1.75E-05	5.40E-05
3984	437423.05	3762514.73	2.05E-04	7.00E-04	3.19E-05	1.14E-04	1.72E-05	5.30E-05
3985	437413.15	3762514.77	2.02E-04	6.87E-04	3.13E-05	1.12E-04	1.69E-05	5.21E-05
3986	437403.26	3762514.8	1.98E-04	6.74E-04	3.07E-05	1.10E-04	1.65E-05	5.11E-05
3987	437393.37	3762514.84	1.94E-04	6.61E-04	3.01E-05	1.08E-04	1.62E-05	5.01E-05
3988	437479.25	3762509.64	2.17E-04	7.39E-04	3.37E-05	1.21E-04	1.81E-05	5.60E-05
3989	437524.87	3762528.39	2.71E-04	9.23E-04	4.21E-05	1.51E-04	2.27E-05	6.99E-05
3990	437432.86	3762494.69	1.78E-04	6.06E-04	2.76E-05	9.90E-05	1.49E-05	4.59E-05
3991	437422.97	3762494.73	1.75E-04	5.96E-04	2.72E-05	9.74E-05	1.46E-05	4.52E-05
3992	437413.08	3762494.77	1.72E-04	5.86E-04	2.67E-05	9.57E-05	1.44E-05	4.44E-05
3993	437403.18	3762494.8	1.69E-04	5.76E-04	2.62E-05	9.41E-05	1.41E-05	4.36E-05
3994	437393.29	3762494.84	1.66E-04	5.66E-04	2.58E-05	9.25E-05	1.39E-05	4.29E-05
3995	437478.16	3762489.23	1.83E-04	6.24E-04	2.84E-05	1.02E-04	1.53E-05	4.73E-05
3996	437531.38	3762511.09	2.34E-04	7.97E-04	3.63E-05	1.30E-04	1.96E-05	6.04E-05
3997	437610.35	3762594.95	5.11E-04	1.74E-03	7.94E-05	2.85E-04	4.28E-05	1.32E-04
3998	437617.7	3762612.66	6.10E-04	2.08E-03	9.48E-05	3.40E-04	5.11E-05	1.58E-04
3999	437632.42	3762648.08	8.81E-04	3.00E-03	1.37E-04	4.91E-04	7.38E-05	2.28E-04
4000	437432.79	3762474.69	1.53E-04	5.21E-04	2.37E-05	8.51E-05	1.28E-05	3.95E-05

4001	437422.89	3762474.73	1.50E-04	5.13E-04	2.34E-05	8.38E-05	1.26E-05	3.89E-05
4002	437413	3762474.77	1.48E-04	5.05E-04	2.30E-05	8.25E-05	1.24E-05	3.83E-05
4003	437403.11	3762474.8	1.46E-04	4.97E-04	2.27E-05	8.12E-05	1.22E-05	3.77E-05
4004	437393.21	3762474.84	1.44E-04	4.90E-04	2.23E-05	8.00E-05	1.20E-05	3.71E-05
4005	437477.3	3762468.9	1.56E-04	5.34E-04	2.43E-05	8.72E-05	1.31E-05	4.04E-05
4006	437529.33	3762490.28	1.96E-04	6.70E-04	3.05E-05	1.09E-04	1.64E-05	5.08E-05
4007	437623.89	3762579.4	4.25E-04	1.45E-03	6.60E-05	2.37E-04	3.56E-05	1.10E-04
4008	437645.47	3762631.36	6.87E-04	2.34E-03	1.07E-04	3.83E-04	5.75E-05	1.77E-04
4009	437432.71	3762454.69	1.33E-04	4.52E-04	2.06E-05	7.38E-05	1.11E-05	3.43E-05
4010	437422.82	3762454.73	1.31E-04	4.46E-04	2.03E-05	7.28E-05	1.09E-05	3.38E-05
4011	437412.92	3762454.77	1.29E-04	4.39E-04	2.00E-05	7.18E-05	1.08E-05	3.33E-05
4012	437403.03	3762454.8	1.27E-04	4.33E-04	1.97E-05	7.07E-05	1.06E-05	3.28E-05
4013	437393.14	3762454.84	1.25E-04	4.27E-04	1.95E-05	6.97E-05	1.05E-05	3.23E-05
4014	437478.38	3762449.38	1.36E-04	4.65E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
4015	437523.2	3762467.79	1.64E-04	5.60E-04	2.55E-05	9.16E-05	1.38E-05	4.25E-05
4016	437532.16	3762471.48	1.70E-04	5.81E-04	2.65E-05	9.49E-05	1.43E-05	4.40E-05
4017	437616.55	3762513.57	2.41E-04	8.21E-04	3.74E-05	1.34E-04	2.02E-05	6.22E-05
4018	437627.7	3762540.41	2.97E-04	1.01E-03	4.61E-05	1.65E-04	2.48E-05	7.67E-05
4019	437657.43	3762612.01	5.37E-04	1.83E-03	8.35E-05	2.99E-04	4.50E-05	1.39E-04
4020	437432.63	3762434.69	1.16E-04	3.96E-04	1.80E-05	6.46E-05	9.71E-06	3.00E-05
4021	437422.74	3762434.73	1.14E-04	3.90E-04	1.78E-05	6.38E-05	9.58E-06	2.96E-05
4022	437412.85	3762434.77	1.13E-04	3.85E-04	1.76E-05	6.29E-05	9.46E-06	2.92E-05
4023	437402.95	3762434.8	1.11E-04	3.80E-04	1.73E-05	6.21E-05	9.33E-06	2.88E-05
4024	437393.06	3762434.84	1.10E-04	3.75E-04	1.71E-05	6.13E-05	9.21E-06	2.84E-05
4025	437477.59	3762429.09	1.19E-04	4.05E-04	1.85E-05	6.62E-05	9.95E-06	3.07E-05
4026	437530.31	3762450.75	1.47E-04	5.00E-04	2.28E-05	8.16E-05	1.23E-05	3.79E-05
4027	437641.52	3762525.54	2.59E-04	8.82E-04	4.02E-05	1.44E-04	2.16E-05	6.68E-05
4028	437659.73	3762569.39	3.60E-04	1.23E-03	5.59E-05	2.00E-04	3.01E-05	9.30E-05
4029	437674.3	3762604.48	4.73E-04	1.61E-03	7.36E-05	2.64E-04	3.96E-05	1.22E-04
4030	437681.59	3762622.02	5.44E-04	1.86E-03	8.46E-05	3.03E-04	4.56E-05	1.41E-04
4031	437432.56	3762414.69	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.64E-05
4032	437422.66	3762414.73	1.01E-04	3.45E-04	1.57E-05	5.63E-05	8.46E-06	2.61E-05
4033	437412.77	3762414.77	9.98E-05	3.40E-04	1.55E-05	5.56E-05	8.35E-06	2.58E-05
4034	437402.88	3762414.8	9.86E-05	3.36E-04	1.53E-05	5.49E-05	8.25E-06	2.55E-05
4035	437392.98	3762414.84	9.74E-05	3.32E-04	1.51E-05	5.43E-05	8.15E-06	2.52E-05
4036	437460.44	3762402.07	9.83E-05	3.35E-04	1.53E-05	5.48E-05	8.23E-06	2.54E-05
4037	437469.47	3762405.78	1.02E-04	3.47E-04	1.58E-05	5.66E-05	8.51E-06	2.63E-05
4038	437478.5	3762409.49	1.05E-04	3.59E-04	1.63E-05	5.86E-05	8.80E-06	2.72E-05
4039	437523.65	3762428.05	1.25E-04	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
4040	437532.69	3762431.76	1.29E-04	4.40E-04	2.01E-05	7.19E-05	1.08E-05	3.34E-05
4041	437656.04	3762512.35	2.30E-04	7.84E-04	3.57E-05	1.28E-04	1.92E-05	5.94E-05
4042	437686	3762584.48	3.83E-04	1.31E-03	5.95E-05	2.13E-04	3.21E-05	9.89E-05
4043	437432.48	3762394.69	9.09E-05	3.10E-04	1.41E-05	5.06E-05	7.61E-06	2.35E-05
4044	437422.59	3762394.73	8.98E-05	3.06E-04	1.40E-05	5.00E-05	7.52E-06	2.32E-05
4045	437412.69	3762394.77	8.88E-05	3.03E-04	1.38E-05	4.95E-05	7.43E-06	2.29E-05
4046	437402.8	3762394.8	8.78E-05	2.99E-04	1.36E-05	4.89E-05	7.35E-06	2.27E-05
4047	437392.9	3762394.84	8.68E-05	2.96E-04	1.35E-05	4.83E-05	7.26E-06	2.24E-05
4048	437451.17	3762378.3	8.48E-05	2.89E-04	1.32E-05	4.72E-05	7.09E-06	2.19E-05
4049	437504.39	3762400.16	1.03E-04	3.50E-04	1.59E-05	5.72E-05	8.59E-06	2.65E-05
4050	437513.26	3762403.81	1.06E-04	3.61E-04	1.65E-05	5.90E-05	8.87E-06	2.74E-05
4051	437522.13	3762407.45	1.09E-04	3.73E-04	1.70E-05	6.10E-05	9.16E-06	2.83E-05
4052	437531	3762411.09	1.13E-04	3.85E-04	1.76E-05	6.29E-05	9.46E-06	2.92E-05

4053	437658.85	3762470.97	1.72E-04	5.87E-04	2.67E-05	9.58E-05	1.44E-05	4.45E-05
4054	437702.99	3762577.24	3.44E-04	1.17E-03	5.35E-05	1.92E-04	2.88E-05	8.89E-05
4055	437442.3	3762374.65	8.22E-05	2.80E-04	1.28E-05	4.58E-05	6.88E-06	2.12E-05
4056	437432.4	3762374.69	8.13E-05	2.77E-04	1.26E-05	4.53E-05	6.80E-06	2.10E-05
4057	437422.51	3762374.73	8.03E-05	2.74E-04	1.25E-05	4.48E-05	6.73E-06	2.08E-05
4058	437412.62	3762374.77	7.95E-05	2.71E-04	1.23E-05	4.43E-05	6.65E-06	2.05E-05
4059	437402.72	3762374.8	7.86E-05	2.68E-04	1.22E-05	4.38E-05	6.58E-06	2.03E-05
4060	437392.83	3762374.84	7.78E-05	2.65E-04	1.21E-05	4.33E-05	6.51E-06	2.01E-05
4061	437451.19	3762348.35	7.22E-05	2.46E-04	1.12E-05	4.02E-05	6.05E-06	1.87E-05
4062	437505.23	3762370.55	8.66E-05	2.95E-04	1.35E-05	4.83E-05	7.25E-06	2.24E-05
4063	437514.23	3762374.25	8.93E-05	3.05E-04	1.39E-05	4.98E-05	7.48E-06	2.31E-05
4064	437523.24	3762377.95	9.21E-05	3.14E-04	1.43E-05	5.13E-05	7.71E-06	2.38E-05
4065	437532.25	3762381.65	9.50E-05	3.24E-04	1.48E-05	5.29E-05	7.95E-06	2.45E-05
4066	437683.82	3762458.84	1.56E-04	5.32E-04	2.42E-05	8.69E-05	1.31E-05	4.03E-05
4067	437706.22	3762512.79	2.14E-04	7.29E-04	3.32E-05	1.19E-04	1.79E-05	5.53E-05
4068	437713.69	3762530.78	2.38E-04	8.12E-04	3.70E-05	1.33E-04	1.99E-05	6.15E-05
4069	437442.18	3762344.65	7.02E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
4070	437432.29	3762344.69	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
4071	437422.39	3762344.73	6.87E-05	2.34E-04	1.07E-05	3.83E-05	5.75E-06	1.77E-05
4072	437412.5	3762344.77	6.80E-05	2.32E-04	1.06E-05	3.79E-05	5.69E-06	1.76E-05
4073	437402.61	3762344.8	6.73E-05	2.30E-04	1.05E-05	3.75E-05	5.63E-06	1.74E-05
4074	437392.71	3762344.84	6.67E-05	2.27E-04	1.04E-05	3.71E-05	5.58E-06	1.72E-05
4075	437451.19	3762318.4	6.23E-05	2.13E-04	9.68E-06	3.47E-05	5.22E-06	1.61E-05
4076	437505.93	3762340.89	7.40E-05	2.52E-04	1.15E-05	4.12E-05	6.20E-06	1.91E-05
4077	437515.05	3762344.64	7.62E-05	2.60E-04	1.18E-05	4.25E-05	6.38E-06	1.97E-05
4078	437524.18	3762348.39	7.85E-05	2.68E-04	1.22E-05	4.37E-05	6.57E-06	2.03E-05
4079	437701.3	3762428.71	1.29E-04	4.39E-04	2.00E-05	7.18E-05	1.08E-05	3.33E-05
4080	437705.09	3762437.82	1.35E-04	4.61E-04	2.10E-05	7.53E-05	1.13E-05	3.49E-05
4081	437720.22	3762474.26	1.64E-04	5.60E-04	2.55E-05	9.14E-05	1.37E-05	4.24E-05
4082	437742.92	3762528.91	2.21E-04	7.53E-04	3.43E-05	1.23E-04	1.85E-05	5.70E-05
4083	437761.83	3762574.45	2.84E-04	9.70E-04	4.42E-05	1.58E-04	2.38E-05	7.35E-05
4084	437769.4	3762592.67	3.16E-04	1.08E-03	4.90E-05	1.76E-04	2.64E-05	8.15E-05
4085	437776.97	3762610.89	3.50E-04	1.19E-03	5.44E-05	1.95E-04	2.93E-05	9.05E-05
4086	437442.07	3762314.65	6.06E-05	2.07E-04	9.42E-06	3.38E-05	5.07E-06	1.57E-05
4087	437432.17	3762314.69	6.00E-05	2.05E-04	9.33E-06	3.34E-05	5.02E-06	1.55E-05
4088	437422.28	3762314.73	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.54E-05
4089	437412.39	3762314.77	5.89E-05	2.01E-04	9.14E-06	3.28E-05	4.93E-06	1.52E-05
4090	437402.49	3762314.8	5.83E-05	1.99E-04	9.06E-06	3.25E-05	4.88E-06	1.51E-05
4091	437392.6	3762314.84	5.78E-05	1.97E-04	8.98E-06	3.22E-05	4.84E-06	1.49E-05
4092	437450.88	3762288.32	5.43E-05	1.85E-04	8.44E-06	3.02E-05	4.54E-06	1.40E-05
4093	437504.44	3762310.33	6.36E-05	2.17E-04	9.89E-06	3.54E-05	5.33E-06	1.64E-05
4094	437513.37	3762313.99	6.54E-05	2.23E-04	1.02E-05	3.64E-05	5.47E-06	1.69E-05
4095	437522.3	3762317.66	6.72E-05	2.29E-04	1.04E-05	3.74E-05	5.62E-06	1.74E-05
4096	437531.22	3762321.33	6.90E-05	2.35E-04	1.07E-05	3.84E-05	5.78E-06	1.78E-05
4097	437726.1	3762416.18	1.18E-04	4.02E-04	1.83E-05	6.57E-05	9.87E-06	3.05E-05
4098	437740.9	3762451.83	1.40E-04	4.79E-04	2.18E-05	7.82E-05	1.17E-05	3.63E-05
4099	437755.71	3762487.48	1.67E-04	5.71E-04	2.60E-05	9.33E-05	1.40E-05	4.33E-05
4100	437441.95	3762284.65	5.29E-05	1.81E-04	8.23E-06	2.95E-05	4.43E-06	1.37E-05
4101	437432.06	3762284.69	5.24E-05	1.79E-04	8.15E-06	2.92E-05	4.39E-06	1.35E-05
4102	437422.16	3762284.73	5.19E-05	1.77E-04	8.07E-06	2.89E-05	4.35E-06	1.34E-05
4103	437412.27	3762284.77	5.15E-05	1.75E-04	8.00E-06	2.87E-05	4.31E-06	1.33E-05
4104	437402.38	3762284.8	5.10E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05

4105	437392.48	3762284.84	5.06E-05	1.72E-04	7.86E-06	2.82E-05	4.23E-06	1.31E-05
4106	437450.87	3762258.36	4.78E-05	1.63E-04	7.43E-06	2.66E-05	4.00E-06	1.24E-05
4107	437505.05	3762280.63	5.56E-05	1.90E-04	8.64E-06	3.10E-05	4.65E-06	1.44E-05
4108	437514.09	3762284.34	5.71E-05	1.95E-04	8.87E-06	3.18E-05	4.78E-06	1.47E-05
4109	437523.12	3762288.05	5.86E-05	2.00E-04	9.10E-06	3.26E-05	4.90E-06	1.51E-05
4110	437532.15	3762291.76	6.01E-05	2.05E-04	9.34E-06	3.35E-05	5.03E-06	1.55E-05
4111	437747.35	3762395.13	1.04E-04	3.55E-04	1.62E-05	5.79E-05	8.71E-06	2.69E-05
4112	437762.33	3762431.2	1.22E-04	4.18E-04	1.90E-05	6.82E-05	1.02E-05	3.16E-05
4113	437777.31	3762467.26	1.44E-04	4.92E-04	2.24E-05	8.04E-05	1.21E-05	3.73E-05
4114	437441.84	3762254.65	4.67E-05	1.59E-04	7.25E-06	2.60E-05	3.91E-06	1.21E-05
4115	437431.94	3762254.69	4.62E-05	1.58E-04	7.18E-06	2.58E-05	3.87E-06	1.19E-05
4116	437422.05	3762254.73	4.58E-05	1.56E-04	7.12E-06	2.55E-05	3.84E-06	1.18E-05
4117	437412.15	3762254.77	4.54E-05	1.55E-04	7.06E-06	2.53E-05	3.80E-06	1.17E-05
4118	437402.26	3762254.81	4.50E-05	1.54E-04	7.00E-06	2.51E-05	3.77E-06	1.16E-05
4119	437392.37	3762254.84	4.47E-05	1.52E-04	6.94E-06	2.49E-05	3.74E-06	1.15E-05
4120	437450.84	3762228.4	4.24E-05	1.45E-04	6.60E-06	2.36E-05	3.55E-06	1.10E-05
4121	437505.58	3762250.89	4.90E-05	1.67E-04	7.62E-06	2.73E-05	4.10E-06	1.27E-05
4122	437514.71	3762254.64	5.03E-05	1.71E-04	7.81E-06	2.80E-05	4.21E-06	1.30E-05
4123	437523.83	3762258.39	5.15E-05	1.76E-04	8.01E-06	2.87E-05	4.31E-06	1.33E-05
4124	437768.6	3762374.06	9.25E-05	3.15E-04	1.44E-05	5.15E-05	7.74E-06	2.39E-05
4125	437783.74	3762410.49	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
4126	437798.87	3762446.93	1.26E-04	4.29E-04	1.95E-05	7.00E-05	1.05E-05	3.25E-05
4127	437441.72	3762224.65	4.15E-05	1.41E-04	6.45E-06	2.31E-05	3.47E-06	1.07E-05
4128	437431.83	3762224.69	4.11E-05	1.40E-04	6.39E-06	2.29E-05	3.44E-06	1.06E-05
4129	437421.93	3762224.73	4.08E-05	1.39E-04	6.33E-06	2.27E-05	3.41E-06	1.05E-05
4130	437412.04	3762224.77	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
4131	437402.15	3762224.81	4.01E-05	1.37E-04	6.23E-06	2.23E-05	3.36E-06	1.04E-05
4132	437392.25	3762224.84	3.98E-05	1.36E-04	6.18E-06	2.22E-05	3.33E-06	1.03E-05
4133	437450.57	3762198.34	3.80E-05	1.29E-04	5.90E-06	2.11E-05	3.18E-06	9.81E-06
4134	437504.35	3762220.43	4.34E-05	1.48E-04	6.74E-06	2.42E-05	3.63E-06	1.12E-05
4135	437513.31	3762224.11	4.44E-05	1.52E-04	6.90E-06	2.47E-05	3.72E-06	1.15E-05
4136	437522.28	3762227.8	4.55E-05	1.55E-04	7.07E-06	2.53E-05	3.81E-06	1.18E-05
4137	437789.64	3762352.49	8.26E-05	2.82E-04	1.28E-05	4.60E-05	6.92E-06	2.14E-05
4138	437804.51	3762388.28	9.50E-05	3.24E-04	1.48E-05	5.29E-05	7.95E-06	2.46E-05
4139	437819.38	3762424.08	1.09E-04	3.73E-04	1.70E-05	6.10E-05	9.16E-06	2.83E-05
4140	437441.61	3762194.65	3.72E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.60E-06
4141	437431.71	3762194.69	3.68E-05	1.26E-04	5.73E-06	2.05E-05	3.08E-06	9.52E-06
4142	437421.82	3762194.73	3.65E-05	1.25E-04	5.68E-06	2.04E-05	3.06E-06	9.44E-06
4143	437411.92	3762194.77	3.63E-05	1.24E-04	5.63E-06	2.02E-05	3.03E-06	9.37E-06
4144	437402.03	3762194.81	3.60E-05	1.23E-04	5.59E-06	2.00E-05	3.01E-06	9.30E-06
4145	437392.14	3762194.84	3.57E-05	1.22E-04	5.55E-06	1.99E-05	2.99E-06	9.23E-06
4146	437450.54	3762168.37	3.42E-05	1.17E-04	5.32E-06	1.91E-05	2.86E-06	8.84E-06
4147	437504.82	3762190.67	3.89E-05	1.33E-04	6.04E-06	2.17E-05	3.26E-06	1.01E-05
4148	437513.87	3762194.39	3.98E-05	1.36E-04	6.18E-06	2.22E-05	3.33E-06	1.03E-05
4149	437522.92	3762198.11	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.40E-06	1.05E-05
4150	437810.88	3762331.4	7.45E-05	2.54E-04	1.16E-05	4.15E-05	6.23E-06	1.92E-05
4151	437825.89	3762367.53	8.50E-05	2.90E-04	1.32E-05	4.73E-05	7.11E-06	2.20E-05
4152	437840.9	3762403.66	9.70E-05	3.31E-04	1.51E-05	5.41E-05	8.12E-06	2.51E-05
4153	437923.44	3762602.39	2.09E-04	7.13E-04	3.25E-05	1.17E-04	1.75E-05	5.41E-05
4154	437441.49	3762164.65	3.35E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.66E-06
4155	437431.6	3762164.69	3.33E-05	1.13E-04	5.17E-06	1.85E-05	2.78E-06	8.59E-06
4156	437421.7	3762164.73	3.30E-05	1.13E-04	5.13E-06	1.84E-05	2.76E-06	8.52E-06

4157	437411.81	3762164.77	3.27E-05	1.12E-04	5.09E-06	1.82E-05	2.74E-06	8.46E-06
4158	437401.92	3762164.81	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
4159	437392.02	3762164.84	3.23E-05	1.10E-04	5.01E-06	1.80E-05	2.70E-06	8.34E-06
4160	437450.5	3762138.4	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
4161	437505.24	3762160.89	3.51E-05	1.20E-04	5.46E-06	1.96E-05	2.94E-06	9.07E-06
4162	437514.36	3762164.64	3.59E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.27E-06
4163	437523.49	3762168.39	3.67E-05	1.25E-04	5.69E-06	2.04E-05	3.07E-06	9.47E-06
4164	437832.12	3762310.3	6.75E-05	2.30E-04	1.05E-05	3.76E-05	5.65E-06	1.74E-05
4165	437847.25	3762346.73	7.65E-05	2.61E-04	1.19E-05	4.26E-05	6.40E-06	1.98E-05
4166	437862.39	3762383.17	8.67E-05	2.96E-04	1.35E-05	4.83E-05	7.26E-06	2.24E-05
4167	437441.38	3762134.65	3.04E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.86E-06
4168	437431.48	3762134.69	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.80E-06
4169	437421.59	3762134.73	3.00E-05	1.02E-04	4.66E-06	1.67E-05	2.51E-06	7.74E-06
4170	437411.69	3762134.77	2.97E-05	1.01E-04	4.62E-06	1.66E-05	2.49E-06	7.69E-06
4171	437401.8	3762134.81	2.95E-05	1.01E-04	4.59E-06	1.65E-05	2.47E-06	7.63E-06
4172	437391.91	3762134.84	2.93E-05	1.00E-04	4.56E-06	1.63E-05	2.45E-06	7.58E-06
4173	437450.25	3762108.35	2.83E-05	9.65E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
4174	437504.18	3762130.5	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.21E-06
4175	437513.17	3762134.2	3.24E-05	1.11E-04	5.04E-06	1.81E-05	2.71E-06	8.38E-06
4176	437522.15	3762137.89	3.31E-05	1.13E-04	5.14E-06	1.84E-05	2.77E-06	8.55E-06
4177	437853.18	3762288.77	6.15E-05	2.10E-04	9.55E-06	3.42E-05	5.15E-06	1.59E-05
4178	437868.09	3762324.67	6.90E-05	2.35E-04	1.07E-05	3.84E-05	5.77E-06	1.78E-05
4179	437883	3762360.56	7.74E-05	2.64E-04	1.20E-05	4.31E-05	6.48E-06	2.00E-05
4180	437441.26	3762104.65	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.18E-06
4181	437431.37	3762104.69	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.13E-06
4182	437421.47	3762104.73	2.74E-05	9.33E-05	4.25E-06	1.52E-05	2.29E-06	7.07E-06
4183	437411.58	3762104.77	2.72E-05	9.27E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
4184	437401.68	3762104.81	2.70E-05	9.20E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
4185	437391.79	3762104.84	2.68E-05	9.14E-05	4.17E-06	1.49E-05	2.24E-06	6.93E-06
4186	437486.44	3762093.26	2.80E-05	9.53E-05	4.34E-06	1.56E-05	2.34E-06	7.22E-06
4187	437495.5	3762096.98	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
4188	437504.56	3762100.71	2.90E-05	9.90E-05	4.51E-06	1.62E-05	2.43E-06	7.50E-06
4189	437513.61	3762104.43	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.65E-06
4190	437522.67	3762108.15	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.80E-06
4191	437889.44	3762303.84	6.28E-05	2.14E-04	9.76E-06	3.50E-05	5.26E-06	1.62E-05
4192	437904.46	3762340.01	7.01E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
4193	437921.49	3762284.71	5.73E-05	1.95E-04	8.90E-06	3.19E-05	4.80E-06	1.48E-05
4194	437925.26	3762293.78	5.88E-05	2.00E-04	9.13E-06	3.27E-05	4.92E-06	1.52E-05
4195	437936.56	3762320.99	6.34E-05	2.16E-04	9.85E-06	3.53E-05	5.31E-06	1.64E-05
4196	437940.33	3762330.05	6.50E-05	2.22E-04	1.01E-05	3.62E-05	5.44E-06	1.68E-05
4197	438002.64	3762383.78	7.14E-05	2.43E-04	1.11E-05	3.98E-05	5.97E-06	1.84E-05
4198	438006.42	3762392.87	7.31E-05	2.49E-04	1.14E-05	4.07E-05	6.12E-06	1.89E-05
4199	438010.19	3762401.96	7.49E-05	2.55E-04	1.16E-05	4.17E-05	6.27E-06	1.93E-05
4200	438013.97	3762411.05	7.67E-05	2.62E-04	1.19E-05	4.27E-05	6.42E-06	1.98E-05
4201	438017.74	3762420.14	7.86E-05	2.68E-04	1.22E-05	4.38E-05	6.58E-06	2.03E-05
4202	438021.52	3762429.23	8.06E-05	2.75E-04	1.25E-05	4.49E-05	6.75E-06	2.08E-05
4203	438025.29	3762438.32	8.26E-05	2.82E-04	1.28E-05	4.60E-05	6.92E-06	2.14E-05
4204	438029.07	3762447.41	8.48E-05	2.89E-04	1.32E-05	4.72E-05	7.10E-06	2.19E-05
4205	438032.84	3762456.5	8.70E-05	2.97E-04	1.35E-05	4.84E-05	7.28E-06	2.25E-05
4206	438036.62	3762465.59	8.93E-05	3.04E-04	1.39E-05	4.97E-05	7.47E-06	2.31E-05
4207	438040.39	3762474.68	9.16E-05	3.12E-04	1.42E-05	5.10E-05	7.67E-06	2.37E-05
4208	438044.17	3762483.77	9.41E-05	3.21E-04	1.46E-05	5.24E-05	7.88E-06	2.43E-05

4209	438047.94	3762492.86	9.66E-05	3.30E-04	1.50E-05	5.38E-05	8.09E-06	2.50E-05
4210	438051.72	3762501.95	9.93E-05	3.39E-04	1.54E-05	5.53E-05	8.31E-06	2.57E-05
4211	438055.49	3762511.04	1.02E-04	3.48E-04	1.59E-05	5.68E-05	8.54E-06	2.64E-05
4212	438059.27	3762520.12	1.05E-04	3.57E-04	1.63E-05	5.84E-05	8.77E-06	2.71E-05
4213	438063.04	3762529.21	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
4214	438066.82	3762538.3	1.11E-04	3.77E-04	1.72E-05	6.17E-05	9.27E-06	2.86E-05
4215	438070.6	3762547.39	1.14E-04	3.88E-04	1.77E-05	6.34E-05	9.52E-06	2.94E-05
4216	438074.37	3762556.48	1.17E-04	3.98E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
4217	438078.15	3762565.57	1.20E-04	4.09E-04	1.86E-05	6.68E-05	1.00E-05	3.10E-05
4218	438081.92	3762574.66	1.23E-04	4.20E-04	1.91E-05	6.86E-05	1.03E-05	3.18E-05
4219	438085.7	3762583.75	1.27E-04	4.32E-04	1.97E-05	7.05E-05	1.06E-05	3.27E-05
4220	438089.47	3762592.84	1.30E-04	4.43E-04	2.02E-05	7.24E-05	1.09E-05	3.36E-05
4221	438093.25	3762601.93	1.33E-04	4.55E-04	2.07E-05	7.43E-05	1.12E-05	3.45E-05
4222	438097.02	3762611.02	1.37E-04	4.67E-04	2.13E-05	7.62E-05	1.15E-05	3.54E-05
4223	438100.8	3762620.11	1.40E-04	4.78E-04	2.18E-05	7.82E-05	1.17E-05	3.63E-05
4224	438104.57	3762629.2	1.44E-04	4.90E-04	2.23E-05	8.01E-05	1.20E-05	3.72E-05
4225	438108.35	3762638.29	1.47E-04	5.02E-04	2.29E-05	8.20E-05	1.23E-05	3.81E-05
4226	438112.12	3762647.38	1.51E-04	5.14E-04	2.34E-05	8.40E-05	1.26E-05	3.90E-05
4227	438115.9	3762656.47	1.54E-04	5.26E-04	2.40E-05	8.59E-05	1.29E-05	3.98E-05
4228	438119.67	3762665.56	1.58E-04	5.37E-04	2.45E-05	8.78E-05	1.32E-05	4.07E-05
4229	437981.85	3762237.43	4.73E-05	1.61E-04	7.35E-06	2.63E-05	3.96E-06	1.22E-05
4230	437985.64	3762246.54	4.83E-05	1.65E-04	7.51E-06	2.69E-05	4.04E-06	1.25E-05
4231	437996.99	3762273.86	5.16E-05	1.76E-04	8.02E-06	2.87E-05	4.32E-06	1.33E-05
4232	438000.77	3762282.97	5.28E-05	1.80E-04	8.20E-06	2.94E-05	4.42E-06	1.36E-05
4233	438004.55	3762292.08	5.39E-05	1.84E-04	8.38E-06	3.00E-05	4.51E-06	1.39E-05
4234	438008.34	3762301.19	5.51E-05	1.88E-04	8.56E-06	3.07E-05	4.61E-06	1.42E-05
4235	438012.12	3762310.3	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.72E-06	1.46E-05
4236	438015.9	3762319.41	5.76E-05	1.96E-04	8.95E-06	3.21E-05	4.82E-06	1.49E-05
4237	438019.69	3762328.52	5.89E-05	2.01E-04	9.14E-06	3.28E-05	4.93E-06	1.52E-05
4238	438042.39	3762383.17	6.72E-05	2.29E-04	1.04E-05	3.74E-05	5.63E-06	1.74E-05
4239	438046.17	3762392.28	6.88E-05	2.34E-04	1.07E-05	3.83E-05	5.75E-06	1.78E-05
4240	438049.95	3762401.39	7.03E-05	2.40E-04	1.09E-05	3.92E-05	5.89E-06	1.82E-05
4241	438053.74	3762410.49	7.20E-05	2.45E-04	1.12E-05	4.01E-05	6.02E-06	1.86E-05
4242	438057.52	3762419.6	7.37E-05	2.51E-04	1.14E-05	4.10E-05	6.17E-06	1.90E-05
4243	438061.3	3762428.71	7.54E-05	2.57E-04	1.17E-05	4.20E-05	6.31E-06	1.95E-05
4244	438065.09	3762437.82	7.72E-05	2.63E-04	1.20E-05	4.30E-05	6.47E-06	2.00E-05
4245	438068.87	3762446.93	7.91E-05	2.70E-04	1.23E-05	4.41E-05	6.62E-06	2.05E-05
4246	438072.65	3762456.04	8.11E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
4247	438076.44	3762465.15	8.31E-05	2.84E-04	1.29E-05	4.63E-05	6.96E-06	2.15E-05
4248	438080.22	3762474.26	8.52E-05	2.91E-04	1.32E-05	4.75E-05	7.14E-06	2.20E-05
4249	438084	3762483.36	8.74E-05	2.98E-04	1.36E-05	4.87E-05	7.32E-06	2.26E-05
4250	438087.79	3762492.47	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
4251	438091.57	3762501.58	9.20E-05	3.14E-04	1.43E-05	5.13E-05	7.70E-06	2.38E-05
4252	438095.35	3762510.69	9.44E-05	3.22E-04	1.47E-05	5.26E-05	7.90E-06	2.44E-05
4253	438099.13	3762519.8	9.69E-05	3.30E-04	1.50E-05	5.40E-05	8.11E-06	2.50E-05
4254	438102.92	3762528.91	9.94E-05	3.39E-04	1.54E-05	5.54E-05	8.32E-06	2.57E-05
4255	438106.7	3762538.02	1.02E-04	3.48E-04	1.58E-05	5.68E-05	8.53E-06	2.63E-05
4256	438110.48	3762547.13	1.05E-04	3.57E-04	1.62E-05	5.83E-05	8.75E-06	2.70E-05
4257	438114.27	3762556.24	1.07E-04	3.66E-04	1.67E-05	5.98E-05	8.98E-06	2.77E-05
4258	438118.05	3762565.34	1.10E-04	3.75E-04	1.71E-05	6.13E-05	9.21E-06	2.84E-05
4259	438121.83	3762574.45	1.13E-04	3.85E-04	1.75E-05	6.29E-05	9.45E-06	2.92E-05
4260	438125.62	3762583.56	1.16E-04	3.95E-04	1.80E-05	6.45E-05	9.69E-06	2.99E-05

4261	438129.4	3762592.67	1.19E-04	4.04E-04	1.84E-05	6.61E-05	9.93E-06	3.06E-05
4262	438133.18	3762601.78	1.22E-04	4.14E-04	1.89E-05	6.77E-05	1.02E-05	3.14E-05
4263	438136.97	3762610.89	1.24E-04	4.24E-04	1.93E-05	6.93E-05	1.04E-05	3.22E-05
4264	438140.75	3762620	1.27E-04	4.34E-04	1.98E-05	7.10E-05	1.07E-05	3.29E-05
4265	438144.53	3762629.11	1.30E-04	4.44E-04	2.02E-05	7.26E-05	1.09E-05	3.37E-05
4266	438148.32	3762638.21	1.33E-04	4.54E-04	2.07E-05	7.42E-05	1.12E-05	3.44E-05
4267	438152.1	3762647.32	1.36E-04	4.64E-04	2.12E-05	7.58E-05	1.14E-05	3.52E-05
4268	438155.88	3762656.43	1.39E-04	4.74E-04	2.16E-05	7.74E-05	1.16E-05	3.59E-05
4269	438159.67	3762665.54	1.42E-04	4.83E-04	2.20E-05	7.90E-05	1.19E-05	3.66E-05
4270	437987.4	3762154.47	3.78E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.78E-06
4271	437991.19	3762163.6	3.86E-05	1.32E-04	6.00E-06	2.15E-05	3.23E-06	9.98E-06
4272	437994.98	3762172.72	3.94E-05	1.34E-04	6.12E-06	2.20E-05	3.30E-06	1.02E-05
4273	438006.35	3762200.1	4.20E-05	1.43E-04	6.52E-06	2.34E-05	3.51E-06	1.08E-05
4274	438010.14	3762209.23	4.28E-05	1.46E-04	6.66E-06	2.39E-05	3.59E-06	1.11E-05
4275	438013.93	3762218.35	4.37E-05	1.49E-04	6.79E-06	2.44E-05	3.66E-06	1.13E-05
4276	438025.3	3762245.73	4.65E-05	1.59E-04	7.23E-06	2.59E-05	3.89E-06	1.20E-05
4277	438029.09	3762254.86	4.75E-05	1.62E-04	7.38E-06	2.64E-05	3.97E-06	1.23E-05
4278	438032.88	3762263.98	4.85E-05	1.65E-04	7.53E-06	2.70E-05	4.06E-06	1.25E-05
4279	438036.67	3762273.11	4.95E-05	1.69E-04	7.69E-06	2.76E-05	4.14E-06	1.28E-05
4280	438040.46	3762282.23	5.05E-05	1.72E-04	7.84E-06	2.81E-05	4.22E-06	1.30E-05
4281	438044.25	3762291.36	5.15E-05	1.76E-04	8.00E-06	2.87E-05	4.31E-06	1.33E-05
4282	438048.04	3762300.49	5.26E-05	1.79E-04	8.17E-06	2.93E-05	4.40E-06	1.36E-05
4283	438051.84	3762309.61	5.37E-05	1.83E-04	8.34E-06	2.99E-05	4.49E-06	1.39E-05
4284	438055.63	3762318.74	5.48E-05	1.87E-04	8.51E-06	3.05E-05	4.58E-06	1.42E-05
4285	438059.42	3762327.86	5.59E-05	1.91E-04	8.69E-06	3.11E-05	4.68E-06	1.44E-05
4286	438063.21	3762336.99	5.71E-05	1.95E-04	8.87E-06	3.18E-05	4.78E-06	1.47E-05
4287	438067	3762346.12	5.83E-05	1.99E-04	9.05E-06	3.25E-05	4.88E-06	1.51E-05
4288	438070.79	3762355.24	5.95E-05	2.03E-04	9.24E-06	3.31E-05	4.98E-06	1.54E-05
4289	438074.58	3762364.37	6.07E-05	2.07E-04	9.44E-06	3.38E-05	5.08E-06	1.57E-05
4290	438078.37	3762373.49	6.20E-05	2.12E-04	9.64E-06	3.46E-05	5.19E-06	1.60E-05
4291	438082.16	3762382.62	6.34E-05	2.16E-04	9.85E-06	3.53E-05	5.30E-06	1.64E-05
4292	438085.95	3762391.74	6.47E-05	2.21E-04	1.01E-05	3.61E-05	5.42E-06	1.67E-05
4293	438089.74	3762400.87	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
4294	438093.53	3762410	6.76E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05
4295	438097.32	3762419.12	6.91E-05	2.36E-04	1.07E-05	3.85E-05	5.79E-06	1.79E-05
4296	438101.11	3762428.25	7.07E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
4297	438104.9	3762437.37	7.24E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
4298	438108.69	3762446.5	7.41E-05	2.53E-04	1.15E-05	4.13E-05	6.20E-06	1.91E-05
4299	438112.48	3762455.63	7.58E-05	2.58E-04	1.18E-05	4.22E-05	6.34E-06	1.96E-05
4300	438116.27	3762464.75	7.76E-05	2.65E-04	1.21E-05	4.32E-05	6.50E-06	2.01E-05
4301	438120.06	3762473.88	7.95E-05	2.71E-04	1.24E-05	4.43E-05	6.65E-06	2.05E-05
4302	438123.85	3762483	8.14E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.10E-05
4303	438127.64	3762492.13	8.34E-05	2.84E-04	1.30E-05	4.65E-05	6.98E-06	2.16E-05
4304	438131.43	3762501.26	8.55E-05	2.91E-04	1.33E-05	4.76E-05	7.15E-06	2.21E-05
4305	438135.22	3762510.38	8.76E-05	2.99E-04	1.36E-05	4.88E-05	7.33E-06	2.26E-05
4306	438139.01	3762519.51	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
4307	438142.8	3762528.63	9.20E-05	3.14E-04	1.43E-05	5.12E-05	7.70E-06	2.38E-05
4308	438146.59	3762537.76	9.42E-05	3.21E-04	1.46E-05	5.25E-05	7.89E-06	2.43E-05
4309	438150.38	3762546.89	9.65E-05	3.29E-04	1.50E-05	5.38E-05	8.08E-06	2.49E-05
4310	438154.18	3762556.01	9.89E-05	3.37E-04	1.54E-05	5.51E-05	8.28E-06	2.56E-05
4311	438157.97	3762565.14	1.01E-04	3.45E-04	1.57E-05	5.64E-05	8.48E-06	2.62E-05
4312	438161.76	3762574.26	1.04E-04	3.54E-04	1.61E-05	5.78E-05	8.68E-06	2.68E-05

4313	438165.55	3762583.39	1.06E-04	3.62E-04	1.65E-05	5.92E-05	8.89E-06	2.74E-05
4314	438169.34	3762592.52	1.09E-04	3.71E-04	1.69E-05	6.05E-05	9.10E-06	2.81E-05
4315	438173.13	3762601.64	1.11E-04	3.79E-04	1.73E-05	6.19E-05	9.30E-06	2.87E-05
4316	438176.92	3762610.77	1.14E-04	3.88E-04	1.77E-05	6.33E-05	9.51E-06	2.94E-05
4317	438180.71	3762619.89	1.16E-04	3.96E-04	1.80E-05	6.47E-05	9.72E-06	3.00E-05
4318	438184.5	3762629.02	1.19E-04	4.04E-04	1.84E-05	6.61E-05	9.93E-06	3.06E-05
4319	438188.29	3762638.15	1.21E-04	4.13E-04	1.88E-05	6.74E-05	1.01E-05	3.13E-05
4320	438192.08	3762647.27	1.23E-04	4.21E-04	1.92E-05	6.88E-05	1.03E-05	3.19E-05
4321	438195.87	3762656.4	1.26E-04	4.29E-04	1.96E-05	7.01E-05	1.05E-05	3.25E-05
4322	438199.66	3762665.52	1.28E-04	4.37E-04	1.99E-05	7.14E-05	1.07E-05	3.31E-05
4323	438015.52	3762125.87	3.48E-05	1.19E-04	5.40E-06	1.94E-05	2.91E-06	8.98E-06
4324	438019.26	3762134.87	3.54E-05	1.21E-04	5.50E-06	1.97E-05	2.96E-06	9.15E-06
4325	438022.99	3762143.86	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.32E-06
4326	438034.2	3762170.85	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.20E-06	9.87E-06
4327	438037.94	3762179.85	3.89E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
4328	438041.68	3762188.85	3.97E-05	1.35E-04	6.17E-06	2.21E-05	3.32E-06	1.03E-05
4329	438052.89	3762215.84	4.20E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
4330	438056.62	3762224.83	4.28E-05	1.46E-04	6.65E-06	2.39E-05	3.58E-06	1.11E-05
4331	438060.36	3762233.83	4.36E-05	1.49E-04	6.78E-06	2.43E-05	3.65E-06	1.13E-05
4332	438064.1	3762242.82	4.45E-05	1.52E-04	6.91E-06	2.48E-05	3.72E-06	1.15E-05
4333	438067.83	3762251.82	4.53E-05	1.55E-04	7.04E-06	2.53E-05	3.79E-06	1.17E-05
4334	438071.57	3762260.82	4.62E-05	1.58E-04	7.18E-06	2.57E-05	3.87E-06	1.19E-05
4335	438075.31	3762269.81	4.71E-05	1.61E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
4336	438079.04	3762278.81	4.80E-05	1.64E-04	7.45E-06	2.67E-05	4.02E-06	1.24E-05
4337	438082.78	3762287.81	4.89E-05	1.67E-04	7.59E-06	2.72E-05	4.09E-06	1.26E-05
4338	438086.52	3762296.8	4.98E-05	1.70E-04	7.74E-06	2.77E-05	4.17E-06	1.29E-05
4339	438090.25	3762305.8	5.07E-05	1.73E-04	7.88E-06	2.83E-05	4.25E-06	1.31E-05
4340	438093.99	3762314.8	5.17E-05	1.76E-04	8.03E-06	2.88E-05	4.33E-06	1.34E-05
4341	438097.72	3762323.79	5.27E-05	1.80E-04	8.19E-06	2.94E-05	4.41E-06	1.36E-05
4342	438101.46	3762332.79	5.37E-05	1.83E-04	8.34E-06	2.99E-05	4.50E-06	1.39E-05
4343	438105.2	3762341.78	5.47E-05	1.87E-04	8.51E-06	3.05E-05	4.58E-06	1.41E-05
4344	438108.93	3762350.78	5.58E-05	1.90E-04	8.67E-06	3.11E-05	4.67E-06	1.44E-05
4345	438112.67	3762359.78	5.69E-05	1.94E-04	8.84E-06	3.17E-05	4.76E-06	1.47E-05
4346	438116.41	3762368.77	5.80E-05	1.98E-04	9.02E-06	3.23E-05	4.86E-06	1.50E-05
4347	438120.14	3762377.77	5.92E-05	2.02E-04	9.20E-06	3.30E-05	4.96E-06	1.53E-05
4348	438123.88	3762386.77	6.04E-05	2.06E-04	9.39E-06	3.37E-05	5.06E-06	1.56E-05
4349	438127.62	3762395.76	6.17E-05	2.10E-04	9.58E-06	3.43E-05	5.16E-06	1.59E-05
4350	438131.35	3762404.76	6.29E-05	2.15E-04	9.78E-06	3.51E-05	5.27E-06	1.63E-05
4351	438135.09	3762413.76	6.43E-05	2.19E-04	9.98E-06	3.58E-05	5.38E-06	1.66E-05
4352	438138.83	3762422.75	6.56E-05	2.24E-04	1.02E-05	3.66E-05	5.49E-06	1.70E-05
4353	438142.56	3762431.75	6.71E-05	2.29E-04	1.04E-05	3.74E-05	5.61E-06	1.73E-05
4354	438146.3	3762440.74	6.85E-05	2.34E-04	1.06E-05	3.82E-05	5.74E-06	1.77E-05
4355	438150.04	3762449.74	7.00E-05	2.39E-04	1.09E-05	3.90E-05	5.86E-06	1.81E-05
4356	438153.77	3762458.74	7.16E-05	2.44E-04	1.11E-05	3.99E-05	5.99E-06	1.85E-05
4357	438157.51	3762467.73	7.32E-05	2.50E-04	1.14E-05	4.08E-05	6.13E-06	1.89E-05
4358	438161.25	3762476.73	7.49E-05	2.55E-04	1.16E-05	4.17E-05	6.27E-06	1.94E-05
4359	438164.98	3762485.73	7.66E-05	2.61E-04	1.19E-05	4.27E-05	6.41E-06	1.98E-05
4360	438168.72	3762494.72	7.84E-05	2.67E-04	1.22E-05	4.37E-05	6.56E-06	2.03E-05
4361	438172.46	3762503.72	8.02E-05	2.73E-04	1.25E-05	4.47E-05	6.71E-06	2.07E-05
4362	438176.19	3762512.72	8.20E-05	2.80E-04	1.27E-05	4.57E-05	6.87E-06	2.12E-05
4363	438183.67	3762530.71	8.59E-05	2.93E-04	1.33E-05	4.78E-05	7.19E-06	2.22E-05
4364	438187.4	3762539.7	8.79E-05	3.00E-04	1.37E-05	4.89E-05	7.35E-06	2.27E-05

4365	438191.14	3762548.7	8.99E-05	3.06E-04	1.40E-05	5.01E-05	7.52E-06	2.32E-05
4366	438194.87	3762557.7	9.19E-05	3.13E-04	1.43E-05	5.12E-05	7.69E-06	2.37E-05
4367	438198.61	3762566.69	9.39E-05	3.20E-04	1.46E-05	5.23E-05	7.86E-06	2.43E-05
4368	438202.35	3762575.69	9.60E-05	3.27E-04	1.49E-05	5.35E-05	8.04E-06	2.48E-05
4369	438206.08	3762584.69	9.81E-05	3.34E-04	1.52E-05	5.46E-05	8.21E-06	2.53E-05
4370	438221.03	3762620.67	1.06E-04	3.63E-04	1.65E-05	5.93E-05	8.91E-06	2.75E-05
4371	438224.77	3762629.67	1.08E-04	3.70E-04	1.69E-05	6.04E-05	9.08E-06	2.80E-05
4372	438228.5	3762638.66	1.11E-04	3.77E-04	1.72E-05	6.16E-05	9.25E-06	2.86E-05
4373	438232.24	3762647.66	1.13E-04	3.84E-04	1.75E-05	6.27E-05	9.42E-06	2.91E-05
4374	438235.98	3762656.66	1.15E-04	3.91E-04	1.78E-05	6.38E-05	9.59E-06	2.96E-05
4375	438239.71	3762665.65	1.16E-04	3.97E-04	1.81E-05	6.49E-05	9.75E-06	3.01E-05
4376	438047.51	3762106.59	3.27E-05	1.11E-04	5.08E-06	1.82E-05	2.73E-06	8.44E-06
4377	438051.26	3762115.61	3.33E-05	1.13E-04	5.17E-06	1.85E-05	2.78E-06	8.59E-06
4378	438062.49	3762142.66	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.94E-06	9.06E-06
4379	438066.24	3762151.68	3.57E-05	1.22E-04	5.55E-06	1.99E-05	2.99E-06	9.23E-06
4380	438069.98	3762160.69	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.04E-06	9.39E-06
4381	438081.22	3762187.74	3.84E-05	1.31E-04	5.96E-06	2.14E-05	3.21E-06	9.92E-06
4382	438084.96	3762196.76	3.91E-05	1.33E-04	6.07E-06	2.18E-05	3.27E-06	1.01E-05
4383	438088.71	3762205.78	3.98E-05	1.36E-04	6.18E-06	2.22E-05	3.33E-06	1.03E-05
4384	438092.45	3762214.79	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
4385	438096.2	3762223.81	4.12E-05	1.41E-04	6.40E-06	2.30E-05	3.45E-06	1.07E-05
4386	438099.94	3762232.83	4.20E-05	1.43E-04	6.52E-06	2.34E-05	3.51E-06	1.08E-05
4387	438103.69	3762241.84	4.27E-05	1.46E-04	6.64E-06	2.38E-05	3.57E-06	1.10E-05
4388	438107.43	3762250.86	4.35E-05	1.48E-04	6.75E-06	2.42E-05	3.64E-06	1.12E-05
4389	438111.18	3762259.88	4.42E-05	1.51E-04	6.87E-06	2.46E-05	3.70E-06	1.14E-05
4390	438114.92	3762268.89	4.50E-05	1.53E-04	6.99E-06	2.51E-05	3.77E-06	1.16E-05
4391	438118.67	3762277.91	4.58E-05	1.56E-04	7.12E-06	2.55E-05	3.83E-06	1.18E-05
4392	438122.41	3762286.93	4.66E-05	1.59E-04	7.24E-06	2.60E-05	3.90E-06	1.20E-05
4393	438126.16	3762295.94	4.74E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.23E-05
4394	438129.9	3762304.96	4.83E-05	1.65E-04	7.50E-06	2.69E-05	4.04E-06	1.25E-05
4395	438133.65	3762313.98	4.92E-05	1.68E-04	7.64E-06	2.74E-05	4.11E-06	1.27E-05
4396	438137.39	3762322.99	5.00E-05	1.71E-04	7.78E-06	2.79E-05	4.19E-06	1.29E-05
4397	438141.14	3762332.01	5.10E-05	1.74E-04	7.92E-06	2.84E-05	4.26E-06	1.32E-05
4398	438144.88	3762341.03	5.19E-05	1.77E-04	8.06E-06	2.89E-05	4.34E-06	1.34E-05
4399	438148.63	3762350.04	5.29E-05	1.80E-04	8.21E-06	2.94E-05	4.42E-06	1.37E-05
4400	438152.37	3762359.06	5.39E-05	1.84E-04	8.37E-06	3.00E-05	4.51E-06	1.39E-05
4401	438156.12	3762368.08	5.49E-05	1.87E-04	8.53E-06	3.06E-05	4.59E-06	1.42E-05
4402	438159.86	3762377.1	5.60E-05	1.91E-04	8.69E-06	3.12E-05	4.68E-06	1.45E-05
4403	438163.61	3762386.11	5.70E-05	1.95E-04	8.86E-06	3.18E-05	4.77E-06	1.47E-05
4404	438167.35	3762395.13	5.82E-05	1.98E-04	9.04E-06	3.24E-05	4.87E-06	1.50E-05
4405	438171.1	3762404.15	5.93E-05	2.02E-04	9.22E-06	3.31E-05	4.97E-06	1.53E-05
4406	438174.84	3762413.16	6.05E-05	2.06E-04	9.41E-06	3.37E-05	5.07E-06	1.56E-05
4407	438178.59	3762422.18	6.18E-05	2.11E-04	9.60E-06	3.44E-05	5.17E-06	1.60E-05
4408	438182.33	3762431.2	6.31E-05	2.15E-04	9.80E-06	3.51E-05	5.28E-06	1.63E-05
4409	438186.08	3762440.21	6.44E-05	2.20E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4410	438189.82	3762449.23	6.58E-05	2.24E-04	1.02E-05	3.66E-05	5.51E-06	1.70E-05
4411	438193.57	3762458.25	6.72E-05	2.29E-04	1.04E-05	3.74E-05	5.62E-06	1.74E-05
4412	438197.31	3762467.26	6.86E-05	2.34E-04	1.07E-05	3.82E-05	5.75E-06	1.77E-05
4413	438201.06	3762476.28	7.01E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
4414	438204.8	3762485.3	7.17E-05	2.44E-04	1.11E-05	3.99E-05	6.00E-06	1.85E-05
4415	438208.55	3762494.31	7.33E-05	2.50E-04	1.14E-05	4.08E-05	6.13E-06	1.89E-05
4416	438223.53	3762530.38	7.99E-05	2.72E-04	1.24E-05	4.45E-05	6.69E-06	2.06E-05

4417	438227.27	3762539.4	8.16E-05	2.78E-04	1.27E-05	4.55E-05	6.83E-06	2.11E-05
4418	438231.02	3762548.41	8.34E-05	2.84E-04	1.30E-05	4.64E-05	6.98E-06	2.15E-05
4419	438234.76	3762557.43	8.51E-05	2.90E-04	1.32E-05	4.74E-05	7.13E-06	2.20E-05
4420	438238.51	3762566.45	8.69E-05	2.96E-04	1.35E-05	4.84E-05	7.27E-06	2.25E-05
4421	438242.25	3762575.47	8.87E-05	3.03E-04	1.38E-05	4.94E-05	7.43E-06	2.29E-05
4422	438246	3762584.48	9.05E-05	3.09E-04	1.41E-05	5.04E-05	7.58E-06	2.34E-05
4423	437476.27	3761809.53	1.46E-05	4.99E-05	2.27E-06	8.15E-06	1.22E-06	3.78E-06
4424	437485.32	3761813.25	1.48E-05	5.05E-05	2.30E-06	8.26E-06	1.24E-06	3.83E-06
4425	437494.37	3761816.96	1.50E-05	5.12E-05	2.33E-06	8.36E-06	1.26E-06	3.88E-06
4426	437503.42	3761820.68	1.52E-05	5.18E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
4427	437512.47	3761824.4	1.54E-05	5.25E-05	2.39E-06	8.58E-06	1.29E-06	3.98E-06
4428	437521.52	3761828.12	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
4429	438090.78	3762114.45	3.24E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.36E-06
4430	438094.53	3762123.49	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.76E-06	8.51E-06
4431	438098.28	3762132.52	3.35E-05	1.14E-04	5.20E-06	1.87E-05	2.80E-06	8.65E-06
4432	438109.54	3762159.63	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.10E-06
4433	438113.29	3762168.66	3.58E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.26E-06
4434	438117.05	3762177.7	3.64E-05	1.24E-04	5.66E-06	2.03E-05	3.05E-06	9.42E-06
4435	438120.8	3762186.73	3.71E-05	1.26E-04	5.76E-06	2.06E-05	3.10E-06	9.57E-06
4436	438124.55	3762195.77	3.77E-05	1.28E-04	5.86E-06	2.10E-05	3.15E-06	9.74E-06
4437	438128.31	3762204.81	3.83E-05	1.31E-04	5.95E-06	2.13E-05	3.21E-06	9.90E-06
4438	438132.06	3762213.84	3.90E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
4439	438135.81	3762222.88	3.96E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.02E-05
4440	438139.56	3762231.91	4.03E-05	1.37E-04	6.26E-06	2.24E-05	3.37E-06	1.04E-05
4441	438143.32	3762240.95	4.09E-05	1.40E-04	6.36E-06	2.28E-05	3.43E-06	1.06E-05
4442	438147.07	3762249.98	4.16E-05	1.42E-04	6.47E-06	2.32E-05	3.48E-06	1.08E-05
4443	438150.82	3762259.02	4.23E-05	1.44E-04	6.57E-06	2.36E-05	3.54E-06	1.09E-05
4444	438154.57	3762268.05	4.30E-05	1.47E-04	6.68E-06	2.40E-05	3.60E-06	1.11E-05
4445	438158.33	3762277.09	4.37E-05	1.49E-04	6.79E-06	2.44E-05	3.66E-06	1.13E-05
4446	438162.08	3762286.12	4.45E-05	1.52E-04	6.91E-06	2.48E-05	3.72E-06	1.15E-05
4447	438165.83	3762295.16	4.52E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
4448	438169.59	3762304.2	4.60E-05	1.57E-04	7.14E-06	2.56E-05	3.85E-06	1.19E-05
4449	438173.34	3762313.23	4.68E-05	1.59E-04	7.27E-06	2.60E-05	3.91E-06	1.21E-05
4450	438177.09	3762322.27	4.76E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
4451	438180.84	3762331.3	4.84E-05	1.65E-04	7.52E-06	2.70E-05	4.05E-06	1.25E-05
4452	438184.6	3762340.34	4.92E-05	1.68E-04	7.65E-06	2.74E-05	4.12E-06	1.27E-05
4453	438188.35	3762349.37	5.01E-05	1.71E-04	7.79E-06	2.79E-05	4.20E-06	1.30E-05
4454	438192.1	3762358.41	5.10E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
4455	438195.86	3762367.44	5.20E-05	1.77E-04	8.08E-06	2.90E-05	4.35E-06	1.34E-05
4456	438199.61	3762376.48	5.29E-05	1.81E-04	8.23E-06	2.95E-05	4.43E-06	1.37E-05
4457	438203.36	3762385.51	5.39E-05	1.84E-04	8.38E-06	3.00E-05	4.52E-06	1.39E-05
4458	438207.11	3762394.55	5.50E-05	1.87E-04	8.54E-06	3.06E-05	4.60E-06	1.42E-05
4459	438210.87	3762403.59	5.60E-05	1.91E-04	8.71E-06	3.12E-05	4.69E-06	1.45E-05
4460	438214.62	3762412.62	5.71E-05	1.95E-04	8.88E-06	3.18E-05	4.78E-06	1.48E-05
4461	438218.37	3762421.66	5.83E-05	1.99E-04	9.05E-06	3.25E-05	4.88E-06	1.51E-05
4462	438222.12	3762430.69	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.54E-05
4463	438225.88	3762439.73	6.06E-05	2.07E-04	9.42E-06	3.38E-05	5.08E-06	1.57E-05
4464	438229.63	3762448.76	6.19E-05	2.11E-04	9.62E-06	3.45E-05	5.18E-06	1.60E-05
4465	438233.38	3762457.8	6.32E-05	2.15E-04	9.81E-06	3.52E-05	5.29E-06	1.63E-05
4466	438237.14	3762466.83	6.45E-05	2.20E-04	1.00E-05	3.59E-05	5.40E-06	1.67E-05
4467	438240.89	3762475.87	6.58E-05	2.24E-04	1.02E-05	3.67E-05	5.51E-06	1.70E-05
4468	438244.64	3762484.91	6.72E-05	2.29E-04	1.04E-05	3.74E-05	5.62E-06	1.74E-05

4469	438248.39	3762493.94	6.86E-05	2.34E-04	1.07E-05	3.82E-05	5.74E-06	1.77E-05
4470	438300.93	3762620.44	9.00E-05	3.07E-04	1.40E-05	5.02E-05	7.54E-06	2.33E-05
4471	438304.69	3762629.47	9.16E-05	3.12E-04	1.42E-05	5.10E-05	7.67E-06	2.37E-05
4472	438308.44	3762638.51	9.31E-05	3.17E-04	1.45E-05	5.19E-05	7.79E-06	2.41E-05
4473	438312.19	3762647.54	9.46E-05	3.23E-04	1.47E-05	5.27E-05	7.92E-06	2.44E-05
4474	438315.94	3762656.58	9.61E-05	3.28E-04	1.49E-05	5.35E-05	8.04E-06	2.48E-05
4475	438319.7	3762665.61	9.75E-05	3.32E-04	1.51E-05	5.43E-05	8.16E-06	2.52E-05
4476	437476.18	3761769.56	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
4477	437485.25	3761773.28	1.38E-05	4.72E-05	2.15E-06	7.71E-06	1.16E-06	3.57E-06
4478	437494.32	3761777.01	1.40E-05	4.78E-05	2.18E-06	7.80E-06	1.17E-06	3.62E-06
4479	437503.39	3761780.73	1.42E-05	4.84E-05	2.20E-06	7.90E-06	1.19E-06	3.66E-06
4480	437512.45	3761784.46	1.44E-05	4.90E-05	2.23E-06	8.00E-06	1.20E-06	3.71E-06
4481	437521.52	3761788.18	1.45E-05	4.96E-05	2.26E-06	8.10E-06	1.22E-06	3.76E-06
4482	438126.58	3762104.34	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.01E-06
4483	438137.86	3762131.49	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.41E-06
4484	438141.62	3762140.55	3.31E-05	1.13E-04	5.14E-06	1.84E-05	2.77E-06	8.54E-06
4485	438145.38	3762149.6	3.36E-05	1.15E-04	5.22E-06	1.87E-05	2.81E-06	8.68E-06
4486	438149.14	3762158.65	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.85E-06	8.81E-06
4487	438152.9	3762167.71	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.95E-06
4488	438156.66	3762176.76	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.94E-06	9.09E-06
4489	438160.42	3762185.81	3.57E-05	1.22E-04	5.55E-06	1.99E-05	2.99E-06	9.23E-06
4490	438164.18	3762194.86	3.63E-05	1.24E-04	5.64E-06	2.02E-05	3.04E-06	9.38E-06
4491	438167.94	3762203.92	3.69E-05	1.26E-04	5.73E-06	2.05E-05	3.09E-06	9.53E-06
4492	438171.7	3762212.97	3.75E-05	1.28E-04	5.82E-06	2.09E-05	3.13E-06	9.68E-06
4493	438175.46	3762222.02	3.80E-05	1.30E-04	5.91E-06	2.12E-05	3.18E-06	9.83E-06
4494	438179.22	3762231.07	3.86E-05	1.32E-04	6.00E-06	2.15E-05	3.23E-06	9.98E-06
4495	438182.98	3762240.13	3.92E-05	1.34E-04	6.10E-06	2.19E-05	3.28E-06	1.01E-05
4496	438186.74	3762249.18	3.99E-05	1.36E-04	6.19E-06	2.22E-05	3.34E-06	1.03E-05
4497	438190.49	3762258.23	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
4498	438194.25	3762267.28	4.11E-05	1.40E-04	6.39E-06	2.29E-05	3.44E-06	1.06E-05
4499	438198.01	3762276.34	4.18E-05	1.42E-04	6.49E-06	2.33E-05	3.50E-06	1.08E-05
4500	438201.77	3762285.39	4.24E-05	1.45E-04	6.59E-06	2.36E-05	3.55E-06	1.10E-05
4501	438205.53	3762294.44	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
4502	438209.29	3762303.49	4.38E-05	1.49E-04	6.81E-06	2.44E-05	3.67E-06	1.13E-05
4503	438213.05	3762312.55	4.45E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
4504	438216.81	3762321.6	4.53E-05	1.54E-04	7.03E-06	2.52E-05	3.79E-06	1.17E-05
4505	438220.57	3762330.65	4.60E-05	1.57E-04	7.15E-06	2.56E-05	3.85E-06	1.19E-05
4506	438224.33	3762339.7	4.68E-05	1.60E-04	7.27E-06	2.61E-05	3.92E-06	1.21E-05
4507	438228.09	3762348.76	4.76E-05	1.62E-04	7.40E-06	2.65E-05	3.99E-06	1.23E-05
4508	438231.85	3762357.81	4.84E-05	1.65E-04	7.53E-06	2.70E-05	4.05E-06	1.25E-05
4509	438235.61	3762366.86	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
4510	438239.37	3762375.91	5.02E-05	1.71E-04	7.80E-06	2.80E-05	4.20E-06	1.30E-05
4511	438243.13	3762384.97	5.11E-05	1.74E-04	7.94E-06	2.85E-05	4.28E-06	1.32E-05
4512	438246.89	3762394.02	5.20E-05	1.77E-04	8.09E-06	2.90E-05	4.36E-06	1.34E-05
4513	438250.65	3762403.07	5.30E-05	1.81E-04	8.24E-06	2.95E-05	4.44E-06	1.37E-05
4514	438254.41	3762412.12	5.40E-05	1.84E-04	8.39E-06	3.01E-05	4.52E-06	1.40E-05
4515	438258.17	3762421.18	5.51E-05	1.88E-04	8.56E-06	3.07E-05	4.61E-06	1.42E-05
4516	438261.93	3762430.23	5.61E-05	1.91E-04	8.72E-06	3.13E-05	4.70E-06	1.45E-05
4517	438265.69	3762439.28	5.72E-05	1.95E-04	8.89E-06	3.19E-05	4.79E-06	1.48E-05
4518	438269.45	3762448.34	5.83E-05	1.99E-04	9.07E-06	3.25E-05	4.88E-06	1.51E-05
4519	438273.21	3762457.39	5.95E-05	2.03E-04	9.25E-06	3.31E-05	4.98E-06	1.54E-05
4520	438276.97	3762466.44	6.07E-05	2.07E-04	9.43E-06	3.38E-05	5.08E-06	1.57E-05

4521	438280.73	3762475.49	6.19E-05	2.11E-04	9.61E-06	3.45E-05	5.18E-06	1.60E-05
4522	438284.49	3762484.55	6.31E-05	2.15E-04	9.81E-06	3.52E-05	5.28E-06	1.63E-05
4523	438288.25	3762493.6	6.44E-05	2.19E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4524	438303.29	3762529.81	6.96E-05	2.37E-04	1.08E-05	3.88E-05	5.82E-06	1.80E-05
4525	438307.05	3762538.86	7.09E-05	2.42E-04	1.10E-05	3.95E-05	5.93E-06	1.83E-05
4526	438310.81	3762547.91	7.23E-05	2.46E-04	1.12E-05	4.03E-05	6.05E-06	1.87E-05
4527	438314.57	3762556.97	7.36E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
4528	438318.33	3762566.02	7.50E-05	2.56E-04	1.17E-05	4.18E-05	6.28E-06	1.94E-05
4529	438322.09	3762575.07	7.64E-05	2.60E-04	1.19E-05	4.25E-05	6.39E-06	1.97E-05
4530	438325.85	3762584.12	7.77E-05	2.65E-04	1.21E-05	4.33E-05	6.51E-06	2.01E-05
4531	438329.61	3762593.18	7.91E-05	2.70E-04	1.23E-05	4.41E-05	6.62E-06	2.04E-05
4532	438340.89	3762620.33	8.32E-05	2.84E-04	1.29E-05	4.64E-05	6.97E-06	2.15E-05
4533	438344.65	3762629.39	8.46E-05	2.88E-04	1.31E-05	4.71E-05	7.08E-06	2.19E-05
4534	438348.41	3762638.44	8.59E-05	2.93E-04	1.33E-05	4.79E-05	7.19E-06	2.22E-05
4535	438128.5	3762012.66	2.60E-05	8.86E-05	4.04E-06	1.45E-05	2.17E-06	6.71E-06
4536	438132.27	3762021.73	2.64E-05	8.99E-05	4.10E-06	1.47E-05	2.21E-06	6.81E-06
4537	438136.03	3762030.8	2.68E-05	9.13E-05	4.16E-06	1.49E-05	2.24E-06	6.92E-06
4538	438166.16	3762103.35	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.80E-06
4539	438169.93	3762112.41	3.06E-05	1.04E-04	4.76E-06	1.71E-05	2.56E-06	7.92E-06
4540	438173.7	3762121.48	3.11E-05	1.06E-04	4.83E-06	1.73E-05	2.60E-06	8.04E-06
4541	438177.46	3762130.55	3.16E-05	1.08E-04	4.90E-06	1.76E-05	2.64E-06	8.16E-06
4542	438181.23	3762139.62	3.20E-05	1.09E-04	4.98E-06	1.78E-05	2.68E-06	8.28E-06
4543	438185	3762148.69	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
4544	438188.76	3762157.76	3.30E-05	1.12E-04	5.12E-06	1.84E-05	2.76E-06	8.52E-06
4545	438192.53	3762166.82	3.35E-05	1.14E-04	5.20E-06	1.86E-05	2.80E-06	8.65E-06
4546	438196.3	3762175.89	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.77E-06
4547	438200.06	3762184.96	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.90E-06
4548	438203.83	3762194.03	3.50E-05	1.19E-04	5.43E-06	1.95E-05	2.93E-06	9.03E-06
4549	438207.6	3762203.1	3.55E-05	1.21E-04	5.51E-06	1.98E-05	2.97E-06	9.16E-06
4550	438211.36	3762212.17	3.60E-05	1.23E-04	5.59E-06	2.00E-05	3.01E-06	9.30E-06
4551	438215.13	3762221.23	3.65E-05	1.25E-04	5.67E-06	2.03E-05	3.06E-06	9.44E-06
4552	438218.89	3762230.3	3.71E-05	1.26E-04	5.76E-06	2.06E-05	3.10E-06	9.58E-06
4553	438222.66	3762239.37	3.76E-05	1.28E-04	5.84E-06	2.10E-05	3.15E-06	9.72E-06
4554	438226.43	3762248.44	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.19E-06	9.86E-06
4555	438230.19	3762257.51	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
4556	438233.96	3762266.58	3.93E-05	1.34E-04	6.11E-06	2.19E-05	3.29E-06	1.02E-05
4557	438237.73	3762275.64	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
4558	438241.49	3762284.71	4.05E-05	1.38E-04	6.30E-06	2.26E-05	3.39E-06	1.05E-05
4559	438245.26	3762293.78	4.11E-05	1.40E-04	6.39E-06	2.29E-05	3.44E-06	1.06E-05
4560	438249.03	3762302.85	4.18E-05	1.42E-04	6.49E-06	2.33E-05	3.50E-06	1.08E-05
4561	438252.79	3762311.92	4.24E-05	1.45E-04	6.60E-06	2.36E-05	3.55E-06	1.10E-05
4562	438256.56	3762320.99	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
4563	438260.33	3762330.05	4.38E-05	1.49E-04	6.81E-06	2.44E-05	3.67E-06	1.13E-05
4564	438264.09	3762339.12	4.45E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
4565	438267.86	3762348.19	4.53E-05	1.54E-04	7.04E-06	2.52E-05	3.79E-06	1.17E-05
4566	438271.62	3762357.26	4.60E-05	1.57E-04	7.15E-06	2.56E-05	3.85E-06	1.19E-05
4567	438275.39	3762366.33	4.68E-05	1.60E-04	7.28E-06	2.61E-05	3.92E-06	1.21E-05
4568	438279.16	3762375.4	4.77E-05	1.62E-04	7.40E-06	2.65E-05	3.99E-06	1.23E-05
4569	438282.92	3762384.46	4.85E-05	1.65E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
4570	438286.69	3762393.53	4.94E-05	1.68E-04	7.67E-06	2.75E-05	4.13E-06	1.28E-05
4571	438290.46	3762402.6	5.03E-05	1.71E-04	7.81E-06	2.80E-05	4.21E-06	1.30E-05
4572	438294.22	3762411.67	5.12E-05	1.75E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05

4573	438297.99	3762420.74	5.21E-05	1.78E-04	8.10E-06	2.90E-05	4.36E-06	1.35E-05
4574	438301.76	3762429.81	5.31E-05	1.81E-04	8.25E-06	2.96E-05	4.44E-06	1.37E-05
4575	438313.06	3762457.01	5.62E-05	1.92E-04	8.73E-06	3.13E-05	4.70E-06	1.45E-05
4576	438316.82	3762466.08	5.72E-05	1.95E-04	8.89E-06	3.19E-05	4.79E-06	1.48E-05
4577	438320.59	3762475.15	5.83E-05	1.99E-04	9.06E-06	3.25E-05	4.88E-06	1.51E-05
4578	438324.35	3762484.22	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.54E-05
4579	438328.12	3762493.28	6.05E-05	2.06E-04	9.41E-06	3.37E-05	5.07E-06	1.56E-05
4580	438331.89	3762502.35	6.17E-05	2.10E-04	9.58E-06	3.44E-05	5.16E-06	1.59E-05
4581	438343.19	3762529.56	6.52E-05	2.22E-04	1.01E-05	3.63E-05	5.46E-06	1.68E-05
4582	438346.95	3762538.63	6.64E-05	2.26E-04	1.03E-05	3.70E-05	5.55E-06	1.71E-05
4583	438350.72	3762547.69	6.76E-05	2.30E-04	1.05E-05	3.76E-05	5.65E-06	1.75E-05
4584	438388.38	3762638.38	7.95E-05	2.71E-04	1.24E-05	4.43E-05	6.66E-06	2.05E-05
4585	438392.15	3762647.45	8.07E-05	2.75E-04	1.25E-05	4.49E-05	6.75E-06	2.08E-05
4586	438395.92	3762656.51	8.18E-05	2.79E-04	1.27E-05	4.56E-05	6.85E-06	2.11E-05
4587	438399.68	3762665.58	8.29E-05	2.83E-04	1.29E-05	4.62E-05	6.94E-06	2.14E-05
4588	438156.74	3761984.35	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
4589	438160.51	3761993.44	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
4590	438164.29	3762002.52	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
4591	438175.6	3762029.77	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
4592	438179.38	3762038.85	2.66E-05	9.05E-05	4.13E-06	1.48E-05	2.22E-06	6.86E-06
4593	438205.78	3762102.43	2.93E-05	1.00E-04	4.56E-06	1.63E-05	2.45E-06	7.58E-06
4594	438209.56	3762111.51	2.97E-05	1.01E-04	4.62E-06	1.66E-05	2.49E-06	7.69E-06
4595	438213.33	3762120.6	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.52E-06	7.79E-06
4596	438217.1	3762129.68	3.06E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.90E-06
4597	438220.87	3762138.76	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.59E-06	8.01E-06
4598	438224.65	3762147.84	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
4599	438228.42	3762156.93	3.19E-05	1.09E-04	4.95E-06	1.77E-05	2.67E-06	8.23E-06
4600	438232.19	3762166.01	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.70E-06	8.35E-06
4601	438235.96	3762175.09	3.27E-05	1.12E-04	5.09E-06	1.82E-05	2.74E-06	8.46E-06
4602	438239.74	3762184.18	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.58E-06
4603	438243.51	3762193.26	3.37E-05	1.15E-04	5.23E-06	1.87E-05	2.82E-06	8.70E-06
4604	438247.28	3762202.34	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.86E-06	8.82E-06
4605	438251.05	3762211.42	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.94E-06
4606	438254.83	3762220.51	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.94E-06	9.07E-06
4607	438258.6	3762229.59	3.56E-05	1.21E-04	5.53E-06	1.98E-05	2.98E-06	9.19E-06
4608	438262.37	3762238.67	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.32E-06
4609	438266.14	3762247.76	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.06E-06	9.45E-06
4610	438269.92	3762256.84	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
4611	438273.69	3762265.92	3.76E-05	1.28E-04	5.85E-06	2.10E-05	3.15E-06	9.73E-06
4612	438277.46	3762275	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.20E-06	9.87E-06
4613	438281.23	3762284.09	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
4614	438285.01	3762293.17	3.93E-05	1.34E-04	6.11E-06	2.19E-05	3.29E-06	1.02E-05
4615	438288.78	3762302.25	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
4616	438292.55	3762311.34	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
4617	438296.32	3762320.42	4.11E-05	1.40E-04	6.39E-06	2.29E-05	3.44E-06	1.06E-05
4618	438300.1	3762329.5	4.18E-05	1.42E-04	6.49E-06	2.33E-05	3.50E-06	1.08E-05
4619	438303.87	3762338.58	4.24E-05	1.45E-04	6.60E-06	2.36E-05	3.55E-06	1.10E-05
4620	438307.64	3762347.67	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
4621	438311.41	3762356.75	4.38E-05	1.50E-04	6.81E-06	2.44E-05	3.67E-06	1.13E-05
4622	438326.5	3762393.08	4.69E-05	1.60E-04	7.29E-06	2.61E-05	3.93E-06	1.21E-05
4623	438330.28	3762402.16	4.77E-05	1.63E-04	7.42E-06	2.66E-05	3.99E-06	1.23E-05
4624	438334.05	3762411.25	4.86E-05	1.66E-04	7.55E-06	2.71E-05	4.07E-06	1.26E-05

4625	438337.82	3762420.33	4.94E-05	1.69E-04	7.68E-06	2.75E-05	4.14E-06	1.28E-05
4626	438341.59	3762429.41	5.03E-05	1.72E-04	7.82E-06	2.80E-05	4.21E-06	1.30E-05
4627	438352.91	3762456.66	5.31E-05	1.81E-04	8.25E-06	2.96E-05	4.44E-06	1.37E-05
4628	438390.64	3762547.49	6.33E-05	2.16E-04	9.84E-06	3.53E-05	5.30E-06	1.64E-05
4629	438394.41	3762556.57	6.44E-05	2.20E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4630	438398.18	3762565.66	6.55E-05	2.23E-04	1.02E-05	3.65E-05	5.48E-06	1.69E-05
4631	438401.95	3762574.74	6.65E-05	2.27E-04	1.03E-05	3.71E-05	5.57E-06	1.72E-05
4632	438405.73	3762583.82	6.76E-05	2.30E-04	1.05E-05	3.76E-05	5.66E-06	1.75E-05
4633	438409.5	3762592.9	6.86E-05	2.34E-04	1.07E-05	3.82E-05	5.74E-06	1.77E-05
4634	438413.27	3762601.99	6.97E-05	2.38E-04	1.08E-05	3.88E-05	5.83E-06	1.80E-05
4635	438417.04	3762611.07	7.07E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
4636	438420.82	3762620.15	7.18E-05	2.45E-04	1.12E-05	4.00E-05	6.01E-06	1.85E-05
4637	438424.59	3762629.24	7.28E-05	2.48E-04	1.13E-05	4.06E-05	6.09E-06	1.88E-05
4638	438428.36	3762638.32	7.38E-05	2.52E-04	1.15E-05	4.11E-05	6.18E-06	1.91E-05
4639	438432.13	3762647.4	7.48E-05	2.55E-04	1.16E-05	4.17E-05	6.26E-06	1.93E-05
4640	438435.91	3762656.48	7.58E-05	2.58E-04	1.18E-05	4.22E-05	6.34E-06	1.96E-05
4641	438439.68	3762665.57	7.68E-05	2.62E-04	1.19E-05	4.28E-05	6.42E-06	1.98E-05
4642	437383.98	3762674.84	1.24E-03	4.22E-03	1.92E-04	6.89E-04	1.03E-04	3.19E-04
4643	437383.98	3762690.76	1.73E-03	5.90E-03	2.69E-04	9.64E-04	1.45E-04	4.47E-04
4644	437376.9	3762667.78	1.03E-03	3.50E-03	1.60E-04	5.72E-04	8.60E-05	2.65E-04
4645	437373.98	3762682.8	1.32E-03	4.50E-03	2.05E-04	7.36E-04	1.11E-04	3.41E-04
4646	437366.9	3762667.78	9.48E-04	3.23E-03	1.47E-04	5.28E-04	7.93E-05	2.45E-04
4647	437379.77	3762650.73	7.98E-04	2.72E-03	1.24E-04	4.44E-04	6.68E-05	2.06E-04
4648	437363.98	3762682.8	1.19E-03	4.07E-03	1.85E-04	6.65E-04	9.98E-05	3.08E-04
4649	437356.9	3762667.78	8.71E-04	2.97E-03	1.35E-04	4.85E-04	7.29E-05	2.25E-04
4650	437362.73	3762653.67	7.42E-04	2.53E-03	1.15E-04	4.13E-04	6.21E-05	1.92E-04
4651	437372.69	3762643.67	6.89E-04	2.35E-03	1.07E-04	3.84E-04	5.77E-05	1.78E-04
4652	437353.98	3762682.8	1.07E-03	3.66E-03	1.67E-04	5.98E-04	8.98E-05	2.77E-04
4653	437353.98	3762698.72	1.42E-03	4.83E-03	2.20E-04	7.89E-04	1.19E-04	3.66E-04
4654	437346.9	3762667.78	7.99E-04	2.72E-03	1.24E-04	4.45E-04	6.69E-05	2.06E-04
4655	437352.73	3762653.67	6.91E-04	2.36E-03	1.07E-04	3.85E-04	5.78E-05	1.79E-04
4656	437365.6	3762636.61	6.02E-04	2.05E-03	9.35E-05	3.35E-04	5.04E-05	1.55E-04
4657	437379.7	3762630.73	6.02E-04	2.05E-03	9.36E-05	3.36E-04	5.04E-05	1.56E-04
4658	437343.98	3762682.8	9.64E-04	3.29E-03	1.50E-04	5.37E-04	8.07E-05	2.49E-04
4659	437343.98	3762698.72	1.23E-03	4.20E-03	1.91E-04	6.86E-04	1.03E-04	3.18E-04
4660	437336.9	3762667.78	7.32E-04	2.50E-03	1.14E-04	4.08E-04	6.12E-05	1.89E-04
4661	437342.73	3762653.67	6.43E-04	2.19E-03	9.98E-05	3.58E-04	5.38E-05	1.66E-04
4662	437348.56	3762639.55	5.63E-04	1.92E-03	8.75E-05	3.14E-04	4.72E-05	1.46E-04
4663	437358.52	3762629.55	5.30E-04	1.81E-03	8.24E-05	2.95E-04	4.44E-05	1.37E-04
4664	437372.61	3762623.67	5.31E-04	1.81E-03	8.26E-05	2.96E-04	4.45E-05	1.37E-04
4665	437333.98	3762682.8	8.64E-04	2.95E-03	1.34E-04	4.81E-04	7.23E-05	2.23E-04
4666	437326.9	3762667.78	6.69E-04	2.28E-03	1.04E-04	3.73E-04	5.60E-05	1.73E-04
4667	437332.73	3762653.67	5.96E-04	2.03E-03	9.27E-05	3.32E-04	4.99E-05	1.54E-04
4668	437338.56	3762639.55	5.29E-04	1.80E-03	8.22E-05	2.95E-04	4.43E-05	1.37E-04
4669	437351.43	3762622.5	4.71E-04	1.61E-03	7.32E-05	2.62E-04	3.94E-05	1.22E-04
4670	437365.53	3762616.61	4.73E-04	1.61E-03	7.34E-05	2.63E-04	3.96E-05	1.22E-04
4671	437379.62	3762610.73	4.70E-04	1.60E-03	7.31E-05	2.62E-04	3.94E-05	1.22E-04
4672	437323.98	3762682.8	7.75E-04	2.64E-03	1.20E-04	4.32E-04	6.49E-05	2.00E-04
4673	437316.9	3762667.78	6.12E-04	2.09E-03	9.51E-05	3.41E-04	5.13E-05	1.58E-04
4674	437322.73	3762653.67	5.53E-04	1.89E-03	8.59E-05	3.08E-04	4.63E-05	1.43E-04
4675	437328.56	3762639.55	4.96E-04	1.69E-03	7.71E-05	2.76E-04	4.15E-05	1.28E-04
4676	437334.39	3762625.44	4.43E-04	1.51E-03	6.89E-05	2.47E-04	3.71E-05	1.15E-04

4677	437344.35	3762615.44	4.21E-04	1.44E-03	6.54E-05	2.35E-04	3.52E-05	1.09E-04
4678	437358.44	3762609.55	4.23E-04	1.44E-03	6.57E-05	2.36E-04	3.54E-05	1.09E-04
4679	437372.53	3762603.67	4.22E-04	1.44E-03	6.55E-05	2.35E-04	3.53E-05	1.09E-04
4680	437313.98	3762682.8	6.98E-04	2.38E-03	1.08E-04	3.89E-04	5.84E-05	1.80E-04
4681	437306.9	3762667.78	5.61E-04	1.91E-03	8.71E-05	3.12E-04	4.69E-05	1.45E-04
4682	437312.73	3762653.67	5.12E-04	1.75E-03	7.96E-05	2.85E-04	4.29E-05	1.32E-04
4683	437318.56	3762639.55	4.65E-04	1.58E-03	7.22E-05	2.59E-04	3.89E-05	1.20E-04
4684	437324.39	3762625.44	4.19E-04	1.43E-03	6.51E-05	2.33E-04	3.51E-05	1.08E-04
4685	437337.26	3762608.38	3.79E-04	1.29E-03	5.89E-05	2.11E-04	3.17E-05	9.79E-05
4686	437351.36	3762602.5	3.81E-04	1.30E-03	5.92E-05	2.12E-04	3.19E-05	9.84E-05
4687	437365.45	3762596.61	3.80E-04	1.30E-03	5.91E-05	2.12E-04	3.18E-05	9.82E-05
4688	437379.54	3762590.73	3.77E-04	1.28E-03	5.85E-05	2.10E-04	3.15E-05	9.73E-05
4689	437303.98	3762682.8	6.31E-04	2.15E-03	9.80E-05	3.51E-04	5.28E-05	1.63E-04
4690	437296.9	3762667.78	5.14E-04	1.75E-03	7.99E-05	2.86E-04	4.30E-05	1.33E-04
4691	437302.73	3762653.67	4.75E-04	1.62E-03	7.37E-05	2.64E-04	3.97E-05	1.23E-04
4692	437308.56	3762639.55	4.35E-04	1.48E-03	6.75E-05	2.42E-04	3.64E-05	1.12E-04
4693	437314.39	3762625.44	3.95E-04	1.35E-03	6.14E-05	2.20E-04	3.31E-05	1.02E-04
4694	437320.22	3762611.32	3.58E-04	1.22E-03	5.57E-05	2.00E-04	3.00E-05	9.26E-05
4695	437330.18	3762601.32	3.43E-04	1.17E-03	5.32E-05	1.91E-04	2.87E-05	8.85E-05
4696	437344.27	3762595.44	3.45E-04	1.18E-03	5.36E-05	1.92E-04	2.89E-05	8.91E-05
4697	437358.36	3762589.55	3.44E-04	1.17E-03	5.35E-05	1.92E-04	2.88E-05	8.90E-05
4698	437372.46	3762583.67	3.42E-04	1.17E-03	5.31E-05	1.90E-04	2.86E-05	8.83E-05
4699	437293.98	3762682.8	5.72E-04	1.95E-03	8.89E-05	3.19E-04	4.79E-05	1.48E-04
4700	437276.9	3762667.78	4.35E-04	1.48E-03	6.75E-05	2.42E-04	3.64E-05	1.12E-04
4701	437282.73	3762653.67	4.07E-04	1.39E-03	6.33E-05	2.27E-04	3.41E-05	1.05E-04
4702	437288.56	3762639.55	3.79E-04	1.29E-03	5.89E-05	2.11E-04	3.17E-05	9.80E-05
4703	437294.39	3762625.44	3.51E-04	1.20E-03	5.45E-05	1.95E-04	2.94E-05	9.07E-05
4704	437300.22	3762611.32	3.23E-04	1.10E-03	5.01E-05	1.80E-04	2.70E-05	8.34E-05
4705	437306.05	3762597.21	2.96E-04	1.01E-03	4.59E-05	1.65E-04	2.47E-05	7.64E-05
4706	437316.01	3762587.21	2.84E-04	9.70E-04	4.42E-05	1.58E-04	2.38E-05	7.35E-05
4707	437330.1	3762581.32	2.86E-04	9.76E-04	4.45E-05	1.59E-04	2.40E-05	7.40E-05
4708	437344.2	3762575.44	2.86E-04	9.76E-04	4.45E-05	1.60E-04	2.40E-05	7.40E-05
4709	437358.29	3762569.55	2.85E-04	9.71E-04	4.42E-05	1.59E-04	2.38E-05	7.36E-05
4710	437372.38	3762563.67	2.82E-04	9.61E-04	4.38E-05	1.57E-04	2.36E-05	7.28E-05
4711	437273.98	3762682.8	4.76E-04	1.62E-03	7.39E-05	2.65E-04	3.98E-05	1.23E-04
4712	437256.9	3762667.78	3.71E-04	1.27E-03	5.77E-05	2.07E-04	3.11E-05	9.59E-05
4713	437262.73	3762653.67	3.52E-04	1.20E-03	5.47E-05	1.96E-04	2.94E-05	9.09E-05
4714	437268.56	3762639.55	3.32E-04	1.13E-03	5.15E-05	1.85E-04	2.78E-05	8.57E-05
4715	437274.39	3762625.44	3.11E-04	1.06E-03	4.83E-05	1.73E-04	2.60E-05	8.03E-05
4716	437280.22	3762611.32	2.89E-04	9.87E-04	4.50E-05	1.61E-04	2.42E-05	7.48E-05
4717	437301.84	3762573.09	2.40E-04	8.18E-04	3.73E-05	1.34E-04	2.01E-05	6.20E-05
4718	437315.93	3762567.21	2.42E-04	8.24E-04	3.76E-05	1.35E-04	2.02E-05	6.25E-05
4719	437330.03	3762561.32	2.42E-04	8.25E-04	3.76E-05	1.35E-04	2.03E-05	6.25E-05
4720	437344.12	3762555.44	2.41E-04	8.22E-04	3.74E-05	1.34E-04	2.02E-05	6.23E-05
4721	437358.21	3762549.55	2.39E-04	8.14E-04	3.71E-05	1.33E-04	2.00E-05	6.17E-05
4722	437372.3	3762543.67	2.36E-04	8.04E-04	3.66E-05	1.31E-04	1.97E-05	6.09E-05
4723	437253.98	3762682.8	4.01E-04	1.37E-03	6.23E-05	2.23E-04	3.35E-05	1.04E-04
4724	437236.9	3762667.78	3.22E-04	1.10E-03	5.00E-05	1.79E-04	2.69E-05	8.31E-05
4725	437242.73	3762653.67	3.07E-04	1.05E-03	4.77E-05	1.71E-04	2.57E-05	7.93E-05
4726	437248.56	3762639.55	2.91E-04	9.93E-04	4.53E-05	1.62E-04	2.44E-05	7.53E-05
4727	437254.39	3762625.44	2.76E-04	9.40E-04	4.28E-05	1.54E-04	2.31E-05	7.12E-05
4728	437260.22	3762611.32	2.60E-04	8.85E-04	4.03E-05	1.45E-04	2.17E-05	6.71E-05

4729	437287.67	3762558.98	2.05E-04	6.99E-04	3.18E-05	1.14E-04	1.71E-05	5.29E-05
4730	437301.76	3762553.09	2.07E-04	7.04E-04	3.21E-05	1.15E-04	1.73E-05	5.34E-05
4731	437315.86	3762547.21	2.07E-04	7.06E-04	3.22E-05	1.15E-04	1.73E-05	5.35E-05
4732	437329.95	3762541.32	2.06E-04	7.04E-04	3.21E-05	1.15E-04	1.73E-05	5.34E-05
4733	437344.04	3762535.44	2.05E-04	6.99E-04	3.18E-05	1.14E-04	1.72E-05	5.30E-05
4734	437358.13	3762529.55	2.03E-04	6.91E-04	3.15E-05	1.13E-04	1.70E-05	5.23E-05
4735	437372.23	3762523.67	1.99E-04	6.80E-04	3.10E-05	1.11E-04	1.67E-05	5.15E-05
4736	437233.98	3762682.8	3.44E-04	1.17E-03	5.35E-05	1.92E-04	2.88E-05	8.89E-05
4737	437216.9	3762667.78	2.81E-04	9.57E-04	4.36E-05	1.56E-04	2.35E-05	7.25E-05
4738	437222.73	3762653.67	2.70E-04	9.20E-04	4.19E-05	1.50E-04	2.26E-05	6.97E-05
4739	437228.56	3762639.55	2.58E-04	8.80E-04	4.01E-05	1.44E-04	2.16E-05	6.67E-05
4740	437234.39	3762625.44	2.46E-04	8.38E-04	3.82E-05	1.37E-04	2.06E-05	6.35E-05
4741	437240.22	3762611.32	2.33E-04	7.95E-04	3.62E-05	1.30E-04	1.95E-05	6.03E-05
4742	437287.6	3762538.98	1.79E-04	6.09E-04	2.77E-05	9.95E-05	1.49E-05	4.61E-05
4743	437301.69	3762533.09	1.79E-04	6.11E-04	2.78E-05	9.98E-05	1.50E-05	4.63E-05
4744	437315.78	3762527.21	1.79E-04	6.10E-04	2.78E-05	9.96E-05	1.50E-05	4.62E-05
4745	437329.87	3762521.32	1.78E-04	6.06E-04	2.76E-05	9.90E-05	1.49E-05	4.59E-05
4746	437343.97	3762515.44	1.76E-04	6.00E-04	2.73E-05	9.80E-05	1.47E-05	4.54E-05
4747	437358.06	3762509.55	1.73E-04	5.91E-04	2.70E-05	9.66E-05	1.45E-05	4.48E-05
4748	437372.15	3762503.67	1.71E-04	5.82E-04	2.65E-05	9.51E-05	1.43E-05	4.41E-05
4749	437213.98	3762682.8	2.97E-04	1.01E-03	4.62E-05	1.66E-04	2.49E-05	7.68E-05
4750	437196.9	3762667.78	2.46E-04	8.39E-04	3.82E-05	1.37E-04	2.06E-05	6.36E-05
4751	437202.73	3762653.67	2.38E-04	8.12E-04	3.70E-05	1.33E-04	1.99E-05	6.15E-05
4752	437208.56	3762639.55	2.29E-04	7.82E-04	3.56E-05	1.28E-04	1.92E-05	5.92E-05
4753	437214.39	3762625.44	2.20E-04	7.49E-04	3.41E-05	1.22E-04	1.84E-05	5.68E-05
4754	437220.22	3762611.32	2.10E-04	7.16E-04	3.26E-05	1.17E-04	1.76E-05	5.43E-05
4755	437259.33	3762530.75	1.55E-04	5.27E-04	2.40E-05	8.61E-05	1.29E-05	4.00E-05
4756	437273.43	3762524.86	1.56E-04	5.32E-04	2.42E-05	8.69E-05	1.31E-05	4.03E-05
4757	437287.52	3762518.98	1.57E-04	5.34E-04	2.43E-05	8.72E-05	1.31E-05	4.04E-05
4758	437301.61	3762513.09	1.56E-04	5.33E-04	2.43E-05	8.71E-05	1.31E-05	4.04E-05
4759	437315.7	3762507.21	1.55E-04	5.30E-04	2.42E-05	8.66E-05	1.30E-05	4.02E-05
4760	437329.8	3762501.32	1.54E-04	5.26E-04	2.40E-05	8.59E-05	1.29E-05	3.98E-05
4761	437343.89	3762495.44	1.52E-04	5.19E-04	2.37E-05	8.49E-05	1.28E-05	3.94E-05
4762	437357.98	3762489.55	1.50E-04	5.12E-04	2.33E-05	8.36E-05	1.26E-05	3.88E-05
4763	437372.07	3762483.67	1.48E-04	5.03E-04	2.29E-05	8.22E-05	1.24E-05	3.81E-05
4764	437193.98	3762682.8	2.59E-04	8.82E-04	4.02E-05	1.44E-04	2.16E-05	6.68E-05
4765	437200.22	3762611.32	1.89E-04	6.46E-04	2.94E-05	1.05E-04	1.58E-05	4.89E-05
4766	437229.37	3762540.75	1.48E-04	5.05E-04	2.30E-05	8.24E-05	1.24E-05	3.82E-05
4767	437235.2	3762526.63	1.40E-04	4.76E-04	2.17E-05	7.78E-05	1.17E-05	3.61E-05
4768	437245.16	3762516.63	1.36E-04	4.65E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
4769	437259.26	3762510.75	1.37E-04	4.68E-04	2.13E-05	7.65E-05	1.15E-05	3.55E-05
4770	437273.35	3762504.86	1.38E-04	4.70E-04	2.14E-05	7.69E-05	1.15E-05	3.56E-05
4771	437287.44	3762498.98	1.38E-04	4.70E-04	2.14E-05	7.68E-05	1.15E-05	3.56E-05
4772	437301.53	3762493.09	1.37E-04	4.68E-04	2.13E-05	7.65E-05	1.15E-05	3.55E-05
4773	437315.63	3762487.21	1.36E-04	4.65E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
4774	437329.72	3762481.32	1.35E-04	4.60E-04	2.09E-05	7.51E-05	1.13E-05	3.48E-05
4775	437343.81	3762475.44	1.33E-04	4.53E-04	2.07E-05	7.41E-05	1.11E-05	3.44E-05
4776	437357.9	3762469.55	1.31E-04	4.46E-04	2.03E-05	7.29E-05	1.10E-05	3.38E-05
4777	437372	3762463.67	1.29E-04	4.39E-04	2.00E-05	7.17E-05	1.08E-05	3.32E-05
4778	437209.37	3762540.75	1.38E-04	4.69E-04	2.14E-05	7.67E-05	1.15E-05	3.56E-05
4779	437215.2	3762526.63	1.31E-04	4.46E-04	2.03E-05	7.28E-05	1.09E-05	3.38E-05
4780	437221.03	3762512.52	1.24E-04	4.22E-04	1.92E-05	6.89E-05	1.04E-05	3.20E-05

4781	437231	3762502.52	1.21E-04	4.13E-04	1.88E-05	6.74E-05	1.01E-05	3.13E-05
4782	437245.09	3762496.63	1.22E-04	4.16E-04	1.89E-05	6.79E-05	1.02E-05	3.15E-05
4783	437259.18	3762490.75	1.22E-04	4.18E-04	1.90E-05	6.82E-05	1.03E-05	3.16E-05
4784	437273.27	3762484.86	1.23E-04	4.18E-04	1.90E-05	6.83E-05	1.03E-05	3.17E-05
4785	437287.36	3762478.98	1.22E-04	4.16E-04	1.90E-05	6.80E-05	1.02E-05	3.16E-05
4786	437301.46	3762473.09	1.21E-04	4.14E-04	1.88E-05	6.76E-05	1.02E-05	3.13E-05
4787	437315.55	3762467.21	1.20E-04	4.09E-04	1.87E-05	6.69E-05	1.01E-05	3.10E-05
4788	437329.64	3762461.32	1.19E-04	4.04E-04	1.84E-05	6.61E-05	9.93E-06	3.06E-05
4789	437343.73	3762455.44	1.17E-04	3.99E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
4790	437357.83	3762449.55	1.15E-04	3.92E-04	1.79E-05	6.40E-05	9.62E-06	2.97E-05
4791	437371.92	3762443.67	1.13E-04	3.85E-04	1.76E-05	6.29E-05	9.46E-06	2.92E-05
4792	437137.01	3762667.5	1.72E-04	5.85E-04	2.67E-05	9.56E-05	1.44E-05	4.43E-05
4793	437143.08	3762652.82	1.68E-04	5.73E-04	2.61E-05	9.35E-05	1.41E-05	4.34E-05
4794	437191.59	3762535.38	1.26E-04	4.28E-04	1.95E-05	7.00E-05	1.05E-05	3.24E-05
4795	437197.65	3762520.7	1.20E-04	4.08E-04	1.86E-05	6.66E-05	1.00E-05	3.09E-05
4796	437203.72	3762506.03	1.13E-04	3.87E-04	1.76E-05	6.32E-05	9.50E-06	2.93E-05
4797	437217.11	3762488.29	1.08E-04	3.69E-04	1.68E-05	6.02E-05	9.05E-06	2.79E-05
4798	437231.76	3762482.17	1.09E-04	3.72E-04	1.69E-05	6.07E-05	9.12E-06	2.82E-05
4799	437246.42	3762476.04	1.09E-04	3.73E-04	1.70E-05	6.10E-05	9.16E-06	2.83E-05
4800	437261.08	3762469.92	1.10E-04	3.74E-04	1.70E-05	6.10E-05	9.17E-06	2.83E-05
4801	437275.73	3762463.8	1.09E-04	3.72E-04	1.70E-05	6.08E-05	9.14E-06	2.82E-05
4802	437290.39	3762457.68	1.08E-04	3.70E-04	1.69E-05	6.04E-05	9.08E-06	2.80E-05
4803	437305.04	3762451.56	1.07E-04	3.66E-04	1.67E-05	5.98E-05	8.99E-06	2.77E-05
4804	437319.7	3762445.44	1.06E-04	3.62E-04	1.65E-05	5.91E-05	8.87E-06	2.74E-05
4805	437334.36	3762439.32	1.04E-04	3.56E-04	1.62E-05	5.82E-05	8.74E-06	2.70E-05
4806	437349.01	3762433.2	1.03E-04	3.50E-04	1.60E-05	5.72E-05	8.60E-06	2.66E-05
4807	437363.67	3762427.08	1.01E-04	3.44E-04	1.57E-05	5.63E-05	8.45E-06	2.61E-05
4808	437378.33	3762420.96	9.92E-05	3.38E-04	1.54E-05	5.52E-05	8.30E-06	2.56E-05
4809	437133.98	3762682.8	1.78E-04	6.07E-04	2.76E-05	9.91E-05	1.49E-05	4.60E-05
4810	437133.98	3762698.72	1.87E-04	6.38E-04	2.91E-05	1.04E-04	1.57E-05	4.83E-05
4811	437117	3762667.52	1.54E-04	5.25E-04	2.39E-05	8.58E-05	1.29E-05	3.98E-05
4812	437123.05	3762652.88	1.51E-04	5.16E-04	2.35E-05	8.42E-05	1.27E-05	3.91E-05
4813	437129.1	3762638.25	1.48E-04	5.04E-04	2.29E-05	8.23E-05	1.24E-05	3.82E-05
4814	437135.14	3762623.61	1.44E-04	4.91E-04	2.24E-05	8.02E-05	1.20E-05	3.72E-05
4815	437141.19	3762608.97	1.40E-04	4.77E-04	2.17E-05	7.79E-05	1.17E-05	3.62E-05
4816	437147.24	3762594.33	1.36E-04	4.63E-04	2.11E-05	7.56E-05	1.14E-05	3.51E-05
4817	437189.56	3762491.87	1.02E-04	3.47E-04	1.58E-05	5.66E-05	8.51E-06	2.63E-05
4818	437202.92	3762474.18	9.72E-05	3.31E-04	1.51E-05	5.41E-05	8.13E-06	2.51E-05
4819	437217.53	3762468.08	9.79E-05	3.34E-04	1.52E-05	5.46E-05	8.20E-06	2.53E-05
4820	437232.15	3762461.97	9.84E-05	3.35E-04	1.53E-05	5.48E-05	8.23E-06	2.54E-05
4821	437246.76	3762455.87	9.84E-05	3.36E-04	1.53E-05	5.48E-05	8.24E-06	2.54E-05
4822	437261.38	3762449.77	9.83E-05	3.35E-04	1.53E-05	5.47E-05	8.22E-06	2.54E-05
4823	437275.99	3762443.66	9.78E-05	3.33E-04	1.52E-05	5.45E-05	8.18E-06	2.53E-05
4824	437290.6	3762437.56	9.69E-05	3.30E-04	1.51E-05	5.40E-05	8.11E-06	2.50E-05
4825	437305.22	3762431.46	9.58E-05	3.27E-04	1.49E-05	5.33E-05	8.02E-06	2.47E-05
4826	437319.83	3762425.36	9.45E-05	3.22E-04	1.47E-05	5.26E-05	7.91E-06	2.44E-05
4827	437334.45	3762419.25	9.30E-05	3.17E-04	1.45E-05	5.18E-05	7.78E-06	2.40E-05
4828	437349.06	3762413.15	9.15E-05	3.12E-04	1.42E-05	5.09E-05	7.66E-06	2.36E-05
4829	437363.68	3762407.05	8.99E-05	3.06E-04	1.40E-05	5.01E-05	7.52E-06	2.32E-05
4830	437378.29	3762400.94	8.83E-05	3.01E-04	1.37E-05	4.92E-05	7.39E-06	2.28E-05
4831	437113.98	3762682.8	1.59E-04	5.43E-04	2.47E-05	8.87E-05	1.33E-05	4.11E-05
4832	437113.98	3762698.72	1.67E-04	5.68E-04	2.59E-05	9.28E-05	1.39E-05	4.31E-05

4833	437097	3762667.54	1.39E-04	4.74E-04	2.16E-05	7.75E-05	1.16E-05	3.59E-05
4834	437103.03	3762652.94	1.37E-04	4.66E-04	2.13E-05	7.62E-05	1.15E-05	3.53E-05
4835	437109.06	3762638.34	1.34E-04	4.57E-04	2.08E-05	7.47E-05	1.12E-05	3.46E-05
4836	437115.09	3762623.73	1.31E-04	4.47E-04	2.03E-05	7.30E-05	1.10E-05	3.38E-05
4837	437121.12	3762609.13	1.28E-04	4.35E-04	1.98E-05	7.11E-05	1.07E-05	3.30E-05
4838	437127.15	3762594.53	1.24E-04	4.23E-04	1.93E-05	6.92E-05	1.04E-05	3.21E-05
4839	437133.19	3762579.93	1.21E-04	4.11E-04	1.87E-05	6.72E-05	1.01E-05	3.12E-05
4840	437139.22	3762565.33	1.17E-04	3.98E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
4841	437145.25	3762550.73	1.13E-04	3.85E-04	1.75E-05	6.29E-05	9.45E-06	2.92E-05
4842	437188.73	3762460.07	8.79E-05	3.00E-04	1.37E-05	4.90E-05	7.36E-06	2.27E-05
4843	437203.31	3762453.98	8.86E-05	3.02E-04	1.38E-05	4.93E-05	7.41E-06	2.29E-05
4844	437217.89	3762447.9	8.90E-05	3.03E-04	1.38E-05	4.96E-05	7.45E-06	2.30E-05
4845	437232.47	3762441.81	8.91E-05	3.04E-04	1.38E-05	4.96E-05	7.46E-06	2.30E-05
4846	437247.04	3762435.72	8.89E-05	3.03E-04	1.38E-05	4.95E-05	7.44E-06	2.30E-05
4847	437261.62	3762429.63	8.85E-05	3.02E-04	1.38E-05	4.93E-05	7.41E-06	2.29E-05
4848	437276.2	3762423.54	8.79E-05	3.00E-04	1.37E-05	4.89E-05	7.35E-06	2.27E-05
4849	437290.78	3762417.46	8.69E-05	2.96E-04	1.35E-05	4.84E-05	7.28E-06	2.25E-05
4850	437305.36	3762411.37	8.58E-05	2.93E-04	1.33E-05	4.78E-05	7.18E-06	2.22E-05
4851	437319.94	3762405.28	8.46E-05	2.88E-04	1.31E-05	4.71E-05	7.08E-06	2.19E-05
4852	437334.51	3762399.19	8.32E-05	2.84E-04	1.29E-05	4.64E-05	6.97E-06	2.15E-05
4853	437349.09	3762393.11	8.18E-05	2.79E-04	1.27E-05	4.56E-05	6.85E-06	2.11E-05
4854	437363.67	3762387.02	8.05E-05	2.74E-04	1.25E-05	4.48E-05	6.74E-06	2.08E-05
4855	437378.25	3762380.93	7.91E-05	2.70E-04	1.23E-05	4.41E-05	6.62E-06	2.04E-05
4856	437093.98	3762682.8	1.43E-04	4.88E-04	2.22E-05	7.97E-05	1.20E-05	3.70E-05
4857	437093.98	3762698.72	1.49E-04	5.09E-04	2.32E-05	8.32E-05	1.25E-05	3.86E-05
4858	437066.99	3762667.56	1.20E-04	4.10E-04	1.87E-05	6.69E-05	1.01E-05	3.10E-05
4859	437073	3762653.01	1.19E-04	4.04E-04	1.84E-05	6.60E-05	9.92E-06	3.06E-05
4860	437079.01	3762638.45	1.17E-04	3.98E-04	1.81E-05	6.50E-05	9.76E-06	3.01E-05
4861	437085.03	3762623.89	1.14E-04	3.90E-04	1.78E-05	6.37E-05	9.57E-06	2.96E-05
4862	437091.04	3762609.34	1.12E-04	3.82E-04	1.74E-05	6.24E-05	9.37E-06	2.89E-05
4863	437097.05	3762594.78	1.09E-04	3.73E-04	1.70E-05	6.09E-05	9.15E-06	2.82E-05
4864	437103.06	3762580.23	1.06E-04	3.63E-04	1.65E-05	5.93E-05	8.91E-06	2.75E-05
4865	437109.08	3762565.67	1.04E-04	3.53E-04	1.61E-05	5.77E-05	8.66E-06	2.67E-05
4866	437115.09	3762551.11	1.01E-04	3.43E-04	1.56E-05	5.60E-05	8.42E-06	2.60E-05
4867	437121.1	3762536.56	9.75E-05	3.32E-04	1.51E-05	5.43E-05	8.16E-06	2.52E-05
4868	437127.12	3762522	9.43E-05	3.22E-04	1.47E-05	5.25E-05	7.89E-06	2.44E-05
4869	437133.13	3762507.45	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
4870	437139.14	3762492.89	8.76E-05	2.99E-04	1.36E-05	4.88E-05	7.34E-06	2.26E-05
4871	437181.99	3762432.84	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.44E-06	1.99E-05
4872	437196.52	3762426.77	7.74E-05	2.64E-04	1.20E-05	4.31E-05	6.47E-06	2.00E-05
4873	437211.05	3762420.7	7.75E-05	2.64E-04	1.20E-05	4.32E-05	6.49E-06	2.00E-05
4874	437225.58	3762414.63	7.74E-05	2.64E-04	1.20E-05	4.31E-05	6.48E-06	2.00E-05
4875	437240.12	3762408.56	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.45E-06	1.99E-05
4876	437254.65	3762402.5	7.65E-05	2.61E-04	1.19E-05	4.26E-05	6.40E-06	1.98E-05
4877	437269.18	3762396.43	7.58E-05	2.59E-04	1.18E-05	4.22E-05	6.35E-06	1.96E-05
4878	437283.72	3762390.36	7.50E-05	2.56E-04	1.16E-05	4.18E-05	6.27E-06	1.94E-05
4879	437298.25	3762384.29	7.40E-05	2.52E-04	1.15E-05	4.12E-05	6.19E-06	1.91E-05
4880	437312.78	3762378.22	7.29E-05	2.49E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
4881	437327.31	3762372.15	7.17E-05	2.45E-04	1.11E-05	4.00E-05	6.01E-06	1.85E-05
4882	437341.85	3762366.08	7.06E-05	2.41E-04	1.10E-05	3.93E-05	5.91E-06	1.82E-05
4883	437356.38	3762360.01	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
4884	437370.91	3762353.95	6.83E-05	2.33E-04	1.06E-05	3.80E-05	5.72E-06	1.76E-05

4885	437063.98	3762682.8	1.23E-04	4.20E-04	1.91E-05	6.86E-05	1.03E-05	3.18E-05
4886	437063.98	3762698.72	1.28E-04	4.36E-04	1.99E-05	7.12E-05	1.07E-05	3.30E-05
4887	437036.98	3762667.58	1.05E-04	3.57E-04	1.63E-05	5.84E-05	8.77E-06	2.71E-05
4888	437042.98	3762653.06	1.04E-04	3.54E-04	1.61E-05	5.78E-05	8.68E-06	2.68E-05
4889	437048.97	3762638.54	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.56E-06	2.64E-05
4890	437054.97	3762624.03	1.01E-04	3.43E-04	1.56E-05	5.60E-05	8.42E-06	2.60E-05
4891	437060.97	3762609.51	9.87E-05	3.37E-04	1.53E-05	5.50E-05	8.26E-06	2.55E-05
4892	437066.97	3762594.99	9.66E-05	3.30E-04	1.50E-05	5.38E-05	8.09E-06	2.50E-05
4893	437072.96	3762580.47	9.43E-05	3.22E-04	1.47E-05	5.25E-05	7.89E-06	2.44E-05
4894	437078.96	3762565.95	9.19E-05	3.14E-04	1.43E-05	5.12E-05	7.70E-06	2.38E-05
4895	437084.96	3762551.43	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
4896	437090.95	3762536.92	8.74E-05	2.98E-04	1.36E-05	4.87E-05	7.31E-06	2.26E-05
4897	437096.95	3762522.4	8.50E-05	2.90E-04	1.32E-05	4.73E-05	7.11E-06	2.20E-05
4898	437102.95	3762507.88	8.25E-05	2.81E-04	1.28E-05	4.59E-05	6.90E-06	2.13E-05
4899	437108.95	3762493.36	7.99E-05	2.72E-04	1.24E-05	4.45E-05	6.69E-06	2.06E-05
4900	437126.94	3762449.81	7.21E-05	2.46E-04	1.12E-05	4.02E-05	6.03E-06	1.86E-05
4901	437132.94	3762435.29	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
4902	437146.18	3762417.74	6.70E-05	2.29E-04	1.04E-05	3.73E-05	5.61E-06	1.73E-05
4903	437189.67	3762399.59	6.79E-05	2.32E-04	1.06E-05	3.78E-05	5.68E-06	1.75E-05
4904	437204.16	3762393.53	6.78E-05	2.31E-04	1.05E-05	3.78E-05	5.68E-06	1.75E-05
4905	437218.66	3762387.48	6.76E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05
4906	437233.15	3762381.43	6.72E-05	2.29E-04	1.04E-05	3.75E-05	5.63E-06	1.74E-05
4907	437247.65	3762375.37	6.67E-05	2.27E-04	1.04E-05	3.72E-05	5.58E-06	1.72E-05
4908	437262.14	3762369.32	6.60E-05	2.25E-04	1.03E-05	3.68E-05	5.53E-06	1.71E-05
4909	437276.64	3762363.27	6.53E-05	2.23E-04	1.01E-05	3.64E-05	5.46E-06	1.69E-05
4910	437291.13	3762357.21	6.44E-05	2.20E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4911	437305.63	3762351.16	6.34E-05	2.16E-04	9.86E-06	3.53E-05	5.31E-06	1.64E-05
4912	437320.12	3762345.11	6.25E-05	2.13E-04	9.70E-06	3.48E-05	5.23E-06	1.61E-05
4913	437334.62	3762339.05	6.15E-05	2.10E-04	9.55E-06	3.42E-05	5.14E-06	1.59E-05
4914	437349.11	3762333	6.05E-05	2.06E-04	9.40E-06	3.37E-05	5.06E-06	1.56E-05
4915	437363.61	3762326.95	5.95E-05	2.03E-04	9.25E-06	3.32E-05	4.98E-06	1.54E-05
4916	437378.1	3762320.9	5.86E-05	2.00E-04	9.11E-06	3.27E-05	4.91E-06	1.51E-05
4917	437033.98	3762682.8	1.07E-04	3.66E-04	1.67E-05	5.97E-05	8.97E-06	2.77E-05
4918	437033.98	3762698.72	1.11E-04	3.78E-04	1.72E-05	6.17E-05	9.28E-06	2.86E-05
4919	437006.97	3762667.6	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.73E-06	2.38E-05
4920	437012.96	3762653.11	9.15E-05	3.12E-04	1.42E-05	5.10E-05	7.66E-06	2.36E-05
4921	437018.94	3762638.62	9.04E-05	3.08E-04	1.40E-05	5.03E-05	7.56E-06	2.34E-05
4922	437024.92	3762624.14	8.91E-05	3.04E-04	1.38E-05	4.96E-05	7.46E-06	2.30E-05
4923	437030.91	3762609.65	8.77E-05	2.99E-04	1.36E-05	4.88E-05	7.34E-06	2.27E-05
4924	437036.89	3762595.16	8.60E-05	2.93E-04	1.34E-05	4.79E-05	7.20E-06	2.22E-05
4925	437042.88	3762580.68	8.40E-05	2.86E-04	1.31E-05	4.68E-05	7.03E-06	2.17E-05
4926	437048.86	3762566.19	8.20E-05	2.80E-04	1.27E-05	4.57E-05	6.86E-06	2.12E-05
4927	437054.85	3762551.71	8.02E-05	2.74E-04	1.25E-05	4.47E-05	6.72E-06	2.07E-05
4928	437060.83	3762537.22	7.84E-05	2.67E-04	1.22E-05	4.37E-05	6.56E-06	2.03E-05
4929	437066.81	3762522.73	7.66E-05	2.61E-04	1.19E-05	4.27E-05	6.41E-06	1.98E-05
4930	437072.8	3762508.25	7.47E-05	2.55E-04	1.16E-05	4.16E-05	6.25E-06	1.93E-05
4931	437078.78	3762493.76	7.27E-05	2.48E-04	1.13E-05	4.05E-05	6.08E-06	1.88E-05
4932	437096.73	3762450.3	6.65E-05	2.27E-04	1.03E-05	3.70E-05	5.56E-06	1.72E-05
4933	437102.72	3762435.81	6.44E-05	2.20E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4934	437108.7	3762421.33	6.23E-05	2.12E-04	9.68E-06	3.47E-05	5.21E-06	1.61E-05
4935	437114.69	3762406.84	6.00E-05	2.05E-04	9.33E-06	3.34E-05	5.03E-06	1.55E-05
4936	437124.91	3762396.58	5.92E-05	2.02E-04	9.19E-06	3.30E-05	4.95E-06	1.53E-05

4937	437139.37	3762390.54	5.96E-05	2.03E-04	9.26E-06	3.32E-05	4.99E-06	1.54E-05
4938	437182.76	3762372.42	6.00E-05	2.05E-04	9.33E-06	3.34E-05	5.02E-06	1.55E-05
4939	437197.23	3762366.38	5.99E-05	2.04E-04	9.30E-06	3.34E-05	5.01E-06	1.55E-05
4940	437211.69	3762360.34	5.95E-05	2.03E-04	9.24E-06	3.31E-05	4.98E-06	1.54E-05
4941	437226.15	3762354.3	5.91E-05	2.01E-04	9.18E-06	3.29E-05	4.95E-06	1.53E-05
4942	437240.62	3762348.26	5.86E-05	2.00E-04	9.11E-06	3.26E-05	4.90E-06	1.51E-05
4943	437255.08	3762342.22	5.80E-05	1.98E-04	9.01E-06	3.23E-05	4.85E-06	1.50E-05
4944	437269.54	3762336.18	5.73E-05	1.95E-04	8.90E-06	3.19E-05	4.80E-06	1.48E-05
4945	437284.01	3762330.14	5.65E-05	1.93E-04	8.78E-06	3.15E-05	4.73E-06	1.46E-05
4946	437298.47	3762324.1	5.57E-05	1.90E-04	8.66E-06	3.10E-05	4.66E-06	1.44E-05
4947	437312.93	3762318.06	5.49E-05	1.87E-04	8.52E-06	3.06E-05	4.59E-06	1.42E-05
4948	437327.4	3762312.02	5.40E-05	1.84E-04	8.39E-06	3.01E-05	4.52E-06	1.40E-05
4949	437341.86	3762305.98	5.32E-05	1.81E-04	8.26E-06	2.96E-05	4.45E-06	1.37E-05
4950	437356.32	3762299.94	5.24E-05	1.79E-04	8.14E-06	2.92E-05	4.38E-06	1.35E-05
4951	437370.79	3762293.9	5.16E-05	1.76E-04	8.02E-06	2.88E-05	4.32E-06	1.33E-05
4952	437003.98	3762682.8	9.41E-05	3.21E-04	1.46E-05	5.24E-05	7.88E-06	2.43E-05
4953	437003.98	3762698.72	9.69E-05	3.31E-04	1.51E-05	5.40E-05	8.11E-06	2.50E-05
4954	436976.97	3762667.61	8.19E-05	2.79E-04	1.27E-05	4.56E-05	6.86E-06	2.12E-05
4955	436982.94	3762653.15	8.13E-05	2.77E-04	1.26E-05	4.53E-05	6.81E-06	2.10E-05
4956	436988.91	3762638.69	8.05E-05	2.75E-04	1.25E-05	4.49E-05	6.74E-06	2.08E-05
4957	436994.89	3762624.23	7.95E-05	2.71E-04	1.24E-05	4.43E-05	6.65E-06	2.05E-05
4958	437000.86	3762609.77	7.83E-05	2.67E-04	1.22E-05	4.36E-05	6.56E-06	2.02E-05
4959	437006.83	3762595.31	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.45E-06	1.99E-05
4960	437012.8	3762580.86	7.55E-05	2.58E-04	1.17E-05	4.21E-05	6.32E-06	1.95E-05
4961	437018.78	3762566.4	7.39E-05	2.52E-04	1.15E-05	4.12E-05	6.19E-06	1.91E-05
4962	437024.75	3762551.94	7.23E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
4963	437030.72	3762537.48	7.08E-05	2.41E-04	1.10E-05	3.94E-05	5.93E-06	1.83E-05
4964	437036.7	3762523.02	6.93E-05	2.36E-04	1.08E-05	3.86E-05	5.80E-06	1.79E-05
4965	437042.67	3762508.56	6.77E-05	2.31E-04	1.05E-05	3.77E-05	5.67E-06	1.75E-05
4966	437048.64	3762494.1	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
4967	437066.56	3762450.72	6.12E-05	2.09E-04	9.50E-06	3.41E-05	5.12E-06	1.58E-05
4968	437072.53	3762436.26	5.96E-05	2.03E-04	9.25E-06	3.32E-05	4.98E-06	1.54E-05
4969	437078.51	3762421.8	5.79E-05	1.97E-04	8.99E-06	3.22E-05	4.85E-06	1.50E-05
4970	437084.48	3762407.34	5.61E-05	1.91E-04	8.72E-06	3.13E-05	4.70E-06	1.45E-05
4971	437090.45	3762392.89	5.43E-05	1.85E-04	8.43E-06	3.02E-05	4.54E-06	1.40E-05
4972	437103.64	3762375.41	5.27E-05	1.80E-04	8.19E-06	2.93E-05	4.41E-06	1.36E-05
4973	437118.08	3762369.38	5.31E-05	1.81E-04	8.25E-06	2.96E-05	4.44E-06	1.37E-05
4974	437132.52	3762363.35	5.32E-05	1.81E-04	8.26E-06	2.96E-05	4.45E-06	1.37E-05
4975	437146.95	3762357.33	5.33E-05	1.82E-04	8.28E-06	2.97E-05	4.46E-06	1.38E-05
4976	437190.26	3762339.24	5.30E-05	1.81E-04	8.24E-06	2.96E-05	4.44E-06	1.37E-05
4977	437204.7	3762333.21	5.28E-05	1.80E-04	8.20E-06	2.94E-05	4.42E-06	1.36E-05
4978	437219.13	3762327.18	5.24E-05	1.79E-04	8.14E-06	2.92E-05	4.38E-06	1.35E-05
4979	437233.57	3762321.16	5.19E-05	1.77E-04	8.06E-06	2.89E-05	4.34E-06	1.34E-05
4980	437248.01	3762315.13	5.13E-05	1.75E-04	7.97E-06	2.86E-05	4.30E-06	1.33E-05
4981	437262.44	3762309.1	5.07E-05	1.73E-04	7.88E-06	2.82E-05	4.24E-06	1.31E-05
4982	437276.88	3762303.07	5.00E-05	1.71E-04	7.77E-06	2.79E-05	4.19E-06	1.29E-05
4983	437291.31	3762297.04	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
4984	437305.75	3762291.01	4.86E-05	1.66E-04	7.55E-06	2.71E-05	4.07E-06	1.26E-05
4985	437320.19	3762284.99	4.79E-05	1.63E-04	7.44E-06	2.67E-05	4.01E-06	1.24E-05
4986	437334.62	3762278.96	4.72E-05	1.61E-04	7.33E-06	2.63E-05	3.95E-06	1.22E-05
4987	437349.06	3762272.93	4.65E-05	1.59E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
4988	437363.49	3762266.9	4.58E-05	1.56E-04	7.12E-06	2.55E-05	3.84E-06	1.18E-05

4989	437377.93	3762260.87	4.52E-05	1.54E-04	7.03E-06	2.52E-05	3.79E-06	1.17E-05
4990	436973.98	3762682.8	8.34E-05	2.84E-04	1.30E-05	4.64E-05	6.98E-06	2.15E-05
4991	436973.98	3762698.72	8.56E-05	2.92E-04	1.33E-05	4.77E-05	7.17E-06	2.21E-05
4992	436946.96	3762667.62	7.32E-05	2.50E-04	1.14E-05	4.08E-05	6.13E-06	1.89E-05
4993	436952.92	3762653.19	7.28E-05	2.48E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
4994	436958.89	3762638.75	7.22E-05	2.46E-04	1.12E-05	4.02E-05	6.04E-06	1.87E-05
4995	436964.85	3762624.31	7.14E-05	2.44E-04	1.11E-05	3.98E-05	5.98E-06	1.85E-05
4996	436970.81	3762609.88	7.05E-05	2.40E-04	1.10E-05	3.93E-05	5.90E-06	1.82E-05
4997	436976.78	3762595.44	6.95E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
4998	436982.74	3762581.01	6.83E-05	2.33E-04	1.06E-05	3.80E-05	5.72E-06	1.76E-05
4999	436988.7	3762566.57	6.71E-05	2.29E-04	1.04E-05	3.74E-05	5.61E-06	1.73E-05
5000	436994.67	3762552.14	6.57E-05	2.24E-04	1.02E-05	3.66E-05	5.50E-06	1.70E-05
5001	437000.63	3762537.7	6.44E-05	2.19E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
5002	437006.59	3762523.26	6.31E-05	2.15E-04	9.80E-06	3.51E-05	5.28E-06	1.63E-05
5003	437012.56	3762508.83	6.17E-05	2.11E-04	9.59E-06	3.44E-05	5.17E-06	1.60E-05
5004	437018.52	3762494.39	6.04E-05	2.06E-04	9.39E-06	3.36E-05	5.06E-06	1.56E-05
5005	437036.41	3762451.09	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.71E-06	1.45E-05
5006	437042.37	3762436.65	5.50E-05	1.88E-04	8.55E-06	3.06E-05	4.60E-06	1.42E-05
5007	437048.34	3762422.21	5.37E-05	1.83E-04	8.35E-06	2.99E-05	4.50E-06	1.39E-05
5008	437054.3	3762407.78	5.23E-05	1.78E-04	8.13E-06	2.91E-05	4.38E-06	1.35E-05
5009	437060.26	3762393.34	5.08E-05	1.73E-04	7.90E-06	2.83E-05	4.25E-06	1.31E-05
5010	437066.23	3762378.91	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
5011	437072.19	3762364.47	4.77E-05	1.63E-04	7.41E-06	2.66E-05	3.99E-06	1.23E-05
5012	437082.38	3762354.24	4.71E-05	1.61E-04	7.32E-06	2.62E-05	3.94E-06	1.22E-05
5013	437096.79	3762348.23	4.73E-05	1.61E-04	7.36E-06	2.64E-05	3.96E-06	1.22E-05
5014	437111.2	3762342.21	4.75E-05	1.62E-04	7.38E-06	2.65E-05	3.98E-06	1.23E-05
5015	437125.62	3762336.19	4.75E-05	1.62E-04	7.38E-06	2.65E-05	3.98E-06	1.23E-05
5016	437140.03	3762330.17	4.76E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
5017	437183.27	3762312.11	4.74E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.22E-05
5018	437197.68	3762306.1	4.71E-05	1.61E-04	7.32E-06	2.63E-05	3.94E-06	1.22E-05
5019	437212.09	3762300.08	4.68E-05	1.59E-04	7.26E-06	2.60E-05	3.91E-06	1.21E-05
5020	437226.51	3762294.06	4.63E-05	1.58E-04	7.19E-06	2.58E-05	3.87E-06	1.20E-05
5021	437240.92	3762288.04	4.58E-05	1.56E-04	7.11E-06	2.55E-05	3.83E-06	1.18E-05
5022	437255.33	3762282.02	4.52E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
5023	437269.74	3762276	4.46E-05	1.52E-04	6.93E-06	2.48E-05	3.73E-06	1.15E-05
5024	437284.16	3762269.98	4.40E-05	1.50E-04	6.83E-06	2.45E-05	3.68E-06	1.14E-05
5025	437298.57	3762263.96	4.33E-05	1.48E-04	6.73E-06	2.41E-05	3.63E-06	1.12E-05
5026	437312.98	3762257.95	4.27E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
5027	437327.39	3762251.93	4.21E-05	1.44E-04	6.55E-06	2.35E-05	3.53E-06	1.09E-05
5028	437341.81	3762245.91	4.16E-05	1.42E-04	6.46E-06	2.31E-05	3.48E-06	1.07E-05
5029	437356.22	3762239.89	4.10E-05	1.40E-04	6.37E-06	2.28E-05	3.43E-06	1.06E-05
5030	437370.63	3762233.87	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
5031	436943.98	3762682.8	7.43E-05	2.53E-04	1.15E-05	4.14E-05	6.22E-06	1.92E-05
5032	436943.98	3762698.72	7.61E-05	2.60E-04	1.18E-05	4.24E-05	6.37E-06	1.97E-05
5033	436916.96	3762667.63	6.58E-05	2.25E-04	1.02E-05	3.67E-05	5.51E-06	1.70E-05
5034	436922.91	3762653.22	6.56E-05	2.24E-04	1.02E-05	3.65E-05	5.49E-06	1.69E-05
5035	436928.87	3762638.8	6.51E-05	2.22E-04	1.01E-05	3.63E-05	5.45E-06	1.68E-05
5036	436934.82	3762624.39	6.45E-05	2.20E-04	1.00E-05	3.59E-05	5.40E-06	1.67E-05
5037	436940.78	3762609.97	6.38E-05	2.17E-04	9.91E-06	3.55E-05	5.34E-06	1.65E-05
5038	436946.73	3762595.56	6.29E-05	2.15E-04	9.78E-06	3.51E-05	5.27E-06	1.63E-05
5039	436952.69	3762581.14	6.20E-05	2.11E-04	9.63E-06	3.45E-05	5.19E-06	1.60E-05
5040	436958.64	3762566.73	6.10E-05	2.08E-04	9.48E-06	3.40E-05	5.11E-06	1.58E-05

5041	436964.6	3762552.31	5.99E-05	2.04E-04	9.31E-06	3.34E-05	5.02E-06	1.55E-05
5042	436970.55	3762537.89	5.88E-05	2.01E-04	9.14E-06	3.28E-05	4.92E-06	1.52E-05
5043	436976.51	3762523.48	5.78E-05	1.97E-04	8.97E-06	3.22E-05	4.83E-06	1.49E-05
5044	436982.46	3762509.06	5.67E-05	1.93E-04	8.80E-06	3.16E-05	4.74E-06	1.46E-05
5045	436988.41	3762494.65	5.55E-05	1.89E-04	8.62E-06	3.09E-05	4.64E-06	1.43E-05
5046	437006.28	3762451.4	5.21E-05	1.78E-04	8.09E-06	2.90E-05	4.36E-06	1.35E-05
5047	437012.23	3762436.99	5.10E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
5048	437018.19	3762422.57	4.99E-05	1.70E-04	7.76E-06	2.78E-05	4.18E-06	1.29E-05
5049	437024.14	3762408.16	4.88E-05	1.66E-04	7.58E-06	2.72E-05	4.08E-06	1.26E-05
5050	437030.1	3762393.74	4.76E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
5051	437036.05	3762379.33	4.63E-05	1.58E-04	7.20E-06	2.58E-05	3.88E-06	1.20E-05
5052	437042.01	3762364.91	4.50E-05	1.53E-04	6.99E-06	2.51E-05	3.76E-06	1.16E-05
5053	437047.96	3762350.5	4.36E-05	1.49E-04	6.78E-06	2.43E-05	3.65E-06	1.13E-05
5054	437061.11	3762333.08	4.24E-05	1.45E-04	6.59E-06	2.36E-05	3.55E-06	1.10E-05
5055	437075.51	3762327.07	4.26E-05	1.45E-04	6.62E-06	2.37E-05	3.57E-06	1.10E-05
5056	437089.9	3762321.06	4.28E-05	1.46E-04	6.65E-06	2.38E-05	3.58E-06	1.11E-05
5057	437104.29	3762315.05	4.29E-05	1.46E-04	6.66E-06	2.39E-05	3.59E-06	1.11E-05
5058	437118.68	3762309.04	4.29E-05	1.46E-04	6.67E-06	2.39E-05	3.59E-06	1.11E-05
5059	437133.08	3762303.03	4.29E-05	1.46E-04	6.67E-06	2.39E-05	3.59E-06	1.11E-05
5060	437147.47	3762297.02	4.29E-05	1.46E-04	6.67E-06	2.39E-05	3.59E-06	1.11E-05
5061	437190.64	3762278.99	4.24E-05	1.44E-04	6.58E-06	2.36E-05	3.55E-06	1.09E-05
5062	437205.04	3762272.97	4.20E-05	1.43E-04	6.52E-06	2.34E-05	3.51E-06	1.08E-05
5063	437219.43	3762266.96	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
5064	437233.82	3762260.95	4.11E-05	1.40E-04	6.38E-06	2.29E-05	3.44E-06	1.06E-05
5065	437248.21	3762254.94	4.05E-05	1.38E-04	6.30E-06	2.26E-05	3.39E-06	1.05E-05
5066	437262.61	3762248.93	4.00E-05	1.36E-04	6.21E-06	2.23E-05	3.35E-06	1.03E-05
5067	437277	3762242.92	3.95E-05	1.35E-04	6.13E-06	2.20E-05	3.30E-06	1.02E-05
5068	437291.39	3762236.91	3.89E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
5069	437305.78	3762230.9	3.84E-05	1.31E-04	5.97E-06	2.14E-05	3.22E-06	9.93E-06
5070	437320.18	3762224.89	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.79E-06
5071	437334.57	3762218.88	3.74E-05	1.28E-04	5.81E-06	2.08E-05	3.13E-06	9.67E-06
5072	437348.96	3762212.87	3.69E-05	1.26E-04	5.74E-06	2.06E-05	3.09E-06	9.55E-06
5073	437363.35	3762206.86	3.65E-05	1.24E-04	5.67E-06	2.03E-05	3.06E-06	9.43E-06
5074	437377.74	3762200.85	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.33E-06
5075	436913.98	3762682.8	6.67E-05	2.27E-04	1.04E-05	3.72E-05	5.58E-06	1.72E-05
5076	436913.98	3762698.72	6.81E-05	2.32E-04	1.06E-05	3.80E-05	5.70E-06	1.76E-05
5077	436887.01	3762667.49	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.54E-05
5078	436893.08	3762652.8	5.92E-05	2.02E-04	9.20E-06	3.30E-05	4.96E-06	1.53E-05
5079	436899.15	3762638.11	5.89E-05	2.01E-04	9.15E-06	3.28E-05	4.93E-06	1.52E-05
5080	436905.22	3762623.42	5.84E-05	1.99E-04	9.07E-06	3.25E-05	4.89E-06	1.51E-05
5081	436911.29	3762608.73	5.78E-05	1.97E-04	8.99E-06	3.22E-05	4.84E-06	1.49E-05
5082	436917.36	3762594.04	5.72E-05	1.95E-04	8.88E-06	3.18E-05	4.78E-06	1.48E-05
5083	436923.43	3762579.35	5.64E-05	1.92E-04	8.76E-06	3.14E-05	4.72E-06	1.46E-05
5084	436929.5	3762564.66	5.56E-05	1.90E-04	8.63E-06	3.10E-05	4.65E-06	1.44E-05
5085	436935.56	3762549.97	5.47E-05	1.86E-04	8.50E-06	3.05E-05	4.58E-06	1.41E-05
5086	436941.63	3762535.27	5.38E-05	1.83E-04	8.35E-06	2.99E-05	4.50E-06	1.39E-05
5087	436947.7	3762520.58	5.28E-05	1.80E-04	8.20E-06	2.94E-05	4.42E-06	1.36E-05
5088	436953.77	3762505.89	5.18E-05	1.77E-04	8.05E-06	2.89E-05	4.34E-06	1.34E-05
5089	436959.84	3762491.2	5.08E-05	1.73E-04	7.90E-06	2.83E-05	4.25E-06	1.31E-05
5090	436978.05	3762447.13	4.80E-05	1.64E-04	7.45E-06	2.67E-05	4.02E-06	1.24E-05
5091	436984.11	3762432.44	4.71E-05	1.61E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
5092	436990.18	3762417.75	4.61E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05

5093	436996.25	3762403.06	4.51E-05	1.54E-04	7.01E-06	2.51E-05	3.78E-06	1.17E-05
5094	437002.32	3762388.36	4.41E-05	1.50E-04	6.85E-06	2.46E-05	3.69E-06	1.14E-05
5095	437008.39	3762373.67	4.30E-05	1.47E-04	6.69E-06	2.40E-05	3.60E-06	1.11E-05
5096	437014.46	3762358.98	4.19E-05	1.43E-04	6.51E-06	2.33E-05	3.51E-06	1.08E-05
5097	437020.53	3762344.29	4.07E-05	1.39E-04	6.33E-06	2.27E-05	3.41E-06	1.05E-05
5098	437026.59	3762329.6	3.96E-05	1.35E-04	6.15E-06	2.20E-05	3.31E-06	1.02E-05
5099	437040	3762311.85	3.85E-05	1.31E-04	5.99E-06	2.15E-05	3.22E-06	9.95E-06
5100	437054.67	3762305.72	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
5101	437069.33	3762299.6	3.89E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
5102	437084	3762293.47	3.90E-05	1.33E-04	6.07E-06	2.17E-05	3.27E-06	1.01E-05
5103	437098.67	3762287.35	3.91E-05	1.33E-04	6.08E-06	2.18E-05	3.27E-06	1.01E-05
5104	437113.34	3762281.22	3.92E-05	1.34E-04	6.08E-06	2.18E-05	3.28E-06	1.01E-05
5105	437128	3762275.1	3.91E-05	1.33E-04	6.07E-06	2.18E-05	3.27E-06	1.01E-05
5106	437142.67	3762268.97	3.90E-05	1.33E-04	6.06E-06	2.17E-05	3.26E-06	1.01E-05
5107	437157.34	3762262.85	3.88E-05	1.32E-04	6.03E-06	2.16E-05	3.25E-06	1.00E-05
5108	437172.01	3762256.72	3.85E-05	1.31E-04	5.99E-06	2.15E-05	3.23E-06	9.96E-06
5109	437186.67	3762250.6	3.82E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.88E-06
5110	437201.34	3762244.47	3.78E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.78E-06
5111	437216.01	3762238.34	3.74E-05	1.28E-04	5.81E-06	2.08E-05	3.13E-06	9.66E-06
5112	437230.68	3762232.22	3.69E-05	1.26E-04	5.74E-06	2.06E-05	3.09E-06	9.55E-06
5113	437245.34	3762226.09	3.65E-05	1.24E-04	5.67E-06	2.03E-05	3.05E-06	9.42E-06
5114	437260.01	3762219.97	3.60E-05	1.23E-04	5.59E-06	2.00E-05	3.01E-06	9.30E-06
5115	437274.68	3762213.84	3.55E-05	1.21E-04	5.52E-06	1.98E-05	2.97E-06	9.18E-06
5116	437289.35	3762207.72	3.50E-05	1.20E-04	5.45E-06	1.95E-05	2.93E-06	9.06E-06
5117	437304.02	3762201.59	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.94E-06
5118	437318.68	3762195.47	3.41E-05	1.16E-04	5.31E-06	1.90E-05	2.86E-06	8.82E-06
5119	437333.35	3762189.34	3.37E-05	1.15E-04	5.24E-06	1.88E-05	2.82E-06	8.71E-06
5120	437348.02	3762183.22	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.61E-06
5121	437362.69	3762177.09	3.29E-05	1.12E-04	5.12E-06	1.83E-05	2.76E-06	8.51E-06
5122	437377.35	3762170.97	3.26E-05	1.11E-04	5.06E-06	1.82E-05	2.73E-06	8.42E-06
5123	436883.98	3762682.8	6.01E-05	2.05E-04	9.34E-06	3.35E-05	5.03E-06	1.55E-05
5124	436883.98	3762698.72	6.13E-05	2.09E-04	9.52E-06	3.41E-05	5.13E-06	1.58E-05
5125	436857.01	3762667.51	5.40E-05	1.84E-04	8.38E-06	3.01E-05	4.52E-06	1.39E-05
5126	436863.06	3762652.85	5.38E-05	1.83E-04	8.36E-06	3.00E-05	4.50E-06	1.39E-05
5127	436869.12	3762638.2	5.35E-05	1.83E-04	8.32E-06	2.98E-05	4.48E-06	1.38E-05
5128	436875.17	3762623.54	5.31E-05	1.81E-04	8.26E-06	2.96E-05	4.45E-06	1.37E-05
5129	436881.23	3762608.88	5.27E-05	1.80E-04	8.18E-06	2.93E-05	4.41E-06	1.36E-05
5130	436887.28	3762594.22	5.21E-05	1.78E-04	8.10E-06	2.90E-05	4.36E-06	1.35E-05
5131	436893.34	3762579.56	5.16E-05	1.76E-04	8.01E-06	2.87E-05	4.32E-06	1.33E-05
5132	436899.39	3762564.91	5.09E-05	1.74E-04	7.91E-06	2.84E-05	4.26E-06	1.32E-05
5133	436905.45	3762550.25	5.02E-05	1.71E-04	7.80E-06	2.80E-05	4.20E-06	1.30E-05
5134	436911.5	3762535.59	4.94E-05	1.69E-04	7.68E-06	2.75E-05	4.14E-06	1.28E-05
5135	436917.56	3762520.93	4.86E-05	1.66E-04	7.56E-06	2.71E-05	4.07E-06	1.26E-05
5136	436923.61	3762506.27	4.78E-05	1.63E-04	7.43E-06	2.66E-05	4.00E-06	1.24E-05
5137	436929.67	3762491.62	4.70E-05	1.60E-04	7.30E-06	2.62E-05	3.93E-06	1.21E-05
5138	436947.83	3762447.64	4.45E-05	1.52E-04	6.91E-06	2.48E-05	3.72E-06	1.15E-05
5139	436953.89	3762432.99	4.38E-05	1.49E-04	6.80E-06	2.44E-05	3.66E-06	1.13E-05
5140	436959.94	3762418.33	4.30E-05	1.47E-04	6.68E-06	2.39E-05	3.60E-06	1.11E-05
5141	436966	3762403.67	4.21E-05	1.44E-04	6.55E-06	2.35E-05	3.53E-06	1.09E-05
5142	436972.05	3762389.01	4.13E-05	1.41E-04	6.42E-06	2.30E-05	3.46E-06	1.07E-05
5143	436978.11	3762374.35	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
5144	436984.16	3762359.7	3.95E-05	1.35E-04	6.14E-06	2.20E-05	3.31E-06	1.02E-05

5145	436990.22	3762345.04	3.85E-05	1.31E-04	5.99E-06	2.15E-05	3.23E-06	9.96E-06
5146	436996.27	3762330.38	3.76E-05	1.28E-04	5.83E-06	2.09E-05	3.14E-06	9.70E-06
5147	437002.33	3762315.72	3.66E-05	1.25E-04	5.68E-06	2.04E-05	3.06E-06	9.45E-06
5148	437008.38	3762301.07	3.56E-05	1.21E-04	5.53E-06	1.98E-05	2.98E-06	9.19E-06
5149	437018.73	3762290.68	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.10E-06
5150	437033.36	3762284.57	3.54E-05	1.21E-04	5.51E-06	1.97E-05	2.97E-06	9.16E-06
5151	437048	3762278.46	3.56E-05	1.21E-04	5.53E-06	1.98E-05	2.98E-06	9.20E-06
5152	437062.63	3762272.35	3.58E-05	1.22E-04	5.56E-06	1.99E-05	2.99E-06	9.24E-06
5153	437077.26	3762266.24	3.58E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.26E-06
5154	437091.9	3762260.12	3.59E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.26E-06
5155	437106.53	3762254.01	3.58E-05	1.22E-04	5.56E-06	1.99E-05	3.00E-06	9.25E-06
5156	437121.17	3762247.9	3.57E-05	1.22E-04	5.55E-06	1.99E-05	2.99E-06	9.23E-06
5157	437135.8	3762241.79	3.56E-05	1.21E-04	5.53E-06	1.98E-05	2.98E-06	9.19E-06
5158	437150.44	3762235.68	3.53E-05	1.21E-04	5.49E-06	1.97E-05	2.96E-06	9.13E-06
5159	437165.07	3762229.57	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.94E-06	9.06E-06
5160	437179.71	3762223.46	3.47E-05	1.18E-04	5.40E-06	1.94E-05	2.91E-06	8.98E-06
5161	437194.34	3762217.35	3.44E-05	1.17E-04	5.34E-06	1.92E-05	2.88E-06	8.88E-06
5162	437208.98	3762211.23	3.40E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.78E-06
5163	437223.61	3762205.12	3.36E-05	1.15E-04	5.22E-06	1.87E-05	2.81E-06	8.68E-06
5164	437238.24	3762199.01	3.32E-05	1.13E-04	5.15E-06	1.85E-05	2.78E-06	8.57E-06
5165	437252.88	3762192.9	3.27E-05	1.12E-04	5.09E-06	1.82E-05	2.74E-06	8.46E-06
5166	437267.51	3762186.79	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.70E-06	8.35E-06
5167	437282.15	3762180.68	3.19E-05	1.09E-04	4.96E-06	1.78E-05	2.67E-06	8.24E-06
5168	437296.78	3762174.57	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.64E-06	8.14E-06
5169	437311.42	3762168.46	3.11E-05	1.06E-04	4.83E-06	1.73E-05	2.60E-06	8.03E-06
5170	437326.05	3762162.34	3.07E-05	1.05E-04	4.77E-06	1.71E-05	2.57E-06	7.94E-06
5171	437340.69	3762156.23	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5172	437355.32	3762150.12	3.00E-05	1.02E-04	4.67E-06	1.67E-05	2.51E-06	7.76E-06
5173	437369.95	3762144.01	2.97E-05	1.01E-04	4.62E-06	1.66E-05	2.49E-06	7.68E-06
5174	436853.98	3762682.8	5.45E-05	1.86E-04	8.47E-06	3.03E-05	4.56E-06	1.41E-05
5175	436853.98	3762698.72	5.54E-05	1.89E-04	8.61E-06	3.09E-05	4.64E-06	1.43E-05
5176	436827	3762667.53	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
5177	436833.04	3762652.9	4.92E-05	1.68E-04	7.65E-06	2.74E-05	4.12E-06	1.27E-05
5178	436839.09	3762638.27	4.90E-05	1.67E-04	7.62E-06	2.73E-05	4.10E-06	1.27E-05
5179	436845.13	3762623.64	4.87E-05	1.66E-04	7.57E-06	2.71E-05	4.08E-06	1.26E-05
5180	436851.17	3762609.01	4.82E-05	1.64E-04	7.50E-06	2.69E-05	4.04E-06	1.25E-05
5181	436857.22	3762594.38	4.77E-05	1.63E-04	7.42E-06	2.66E-05	4.00E-06	1.23E-05
5182	436863.26	3762579.76	4.73E-05	1.61E-04	7.35E-06	2.63E-05	3.96E-06	1.22E-05
5183	436869.3	3762565.13	4.68E-05	1.59E-04	7.27E-06	2.60E-05	3.91E-06	1.21E-05
5184	436875.34	3762550.5	4.62E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
5185	436881.39	3762535.87	4.55E-05	1.55E-04	7.08E-06	2.54E-05	3.81E-06	1.18E-05
5186	436887.43	3762521.24	4.49E-05	1.53E-04	6.97E-06	2.50E-05	3.76E-06	1.16E-05
5187	436893.47	3762506.62	4.42E-05	1.51E-04	6.87E-06	2.46E-05	3.70E-06	1.14E-05
5188	436899.51	3762491.99	4.35E-05	1.48E-04	6.76E-06	2.42E-05	3.64E-06	1.12E-05
5189	436917.64	3762448.1	4.13E-05	1.41E-04	6.42E-06	2.30E-05	3.46E-06	1.07E-05
5190	436923.69	3762433.47	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.40E-06	1.05E-05
5191	436929.73	3762418.85	4.00E-05	1.36E-04	6.22E-06	2.23E-05	3.35E-06	1.03E-05
5192	436935.77	3762404.22	3.93E-05	1.34E-04	6.11E-06	2.19E-05	3.29E-06	1.02E-05
5193	436941.81	3762389.59	3.86E-05	1.32E-04	6.00E-06	2.15E-05	3.23E-06	9.98E-06
5194	436947.86	3762374.96	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.79E-06
5195	436953.9	3762360.33	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
5196	436959.94	3762345.7	3.63E-05	1.24E-04	5.65E-06	2.02E-05	3.04E-06	9.39E-06

5197	436965.98	3762331.08	3.55E-05	1.21E-04	5.52E-06	1.98E-05	2.97E-06	9.18E-06
5198	436972.03	3762316.45	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.90E-06	8.97E-06
5199	436978.07	3762301.82	3.39E-05	1.15E-04	5.26E-06	1.89E-05	2.83E-06	8.75E-06
5200	436984.11	3762287.19	3.30E-05	1.13E-04	5.13E-06	1.84E-05	2.76E-06	8.53E-06
5201	436997.46	3762269.51	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.70E-06	8.35E-06
5202	437012.06	3762263.42	3.25E-05	1.11E-04	5.06E-06	1.81E-05	2.72E-06	8.41E-06
5203	437026.67	3762257.32	3.27E-05	1.12E-04	5.08E-06	1.82E-05	2.74E-06	8.45E-06
5204	437041.27	3762251.22	3.28E-05	1.12E-04	5.10E-06	1.83E-05	2.75E-06	8.48E-06
5205	437055.88	3762245.12	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.75E-06	8.50E-06
5206	437070.48	3762239.02	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.75E-06	8.50E-06
5207	437085.09	3762232.92	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.75E-06	8.50E-06
5208	437099.69	3762226.82	3.28E-05	1.12E-04	5.10E-06	1.83E-05	2.75E-06	8.48E-06
5209	437114.3	3762220.72	3.27E-05	1.11E-04	5.08E-06	1.82E-05	2.74E-06	8.45E-06
5210	437128.9	3762214.62	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
5211	437143.51	3762208.53	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.70E-06	8.35E-06
5212	437158.11	3762202.43	3.20E-05	1.09E-04	4.98E-06	1.78E-05	2.68E-06	8.28E-06
5213	437172.72	3762196.33	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.20E-06
5214	437187.32	3762190.23	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
5215	437201.93	3762184.13	3.11E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
5216	437216.53	3762178.03	3.07E-05	1.05E-04	4.77E-06	1.71E-05	2.57E-06	7.93E-06
5217	437231.14	3762171.93	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5218	437245.74	3762165.83	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
5219	437260.35	3762159.73	2.95E-05	1.01E-04	4.59E-06	1.65E-05	2.47E-06	7.63E-06
5220	437274.95	3762153.64	2.92E-05	9.95E-05	4.53E-06	1.63E-05	2.44E-06	7.54E-06
5221	437289.56	3762147.54	2.88E-05	9.82E-05	4.48E-06	1.61E-05	2.41E-06	7.44E-06
5222	437304.16	3762141.44	2.85E-05	9.70E-05	4.42E-06	1.59E-05	2.38E-06	7.35E-06
5223	437318.77	3762135.34	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.27E-06
5224	437333.37	3762129.24	2.78E-05	9.49E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
5225	437347.98	3762123.14	2.75E-05	9.39E-05	4.28E-06	1.53E-05	2.31E-06	7.12E-06
5226	437362.58	3762117.04	2.73E-05	9.30E-05	4.24E-06	1.52E-05	2.28E-06	7.05E-06
5227	437377.19	3762110.94	2.70E-05	9.22E-05	4.20E-06	1.51E-05	2.26E-06	6.99E-06
5228	436823.98	3762682.8	4.97E-05	1.69E-04	7.72E-06	2.77E-05	4.16E-06	1.28E-05
5229	436823.98	3762698.72	5.05E-05	1.72E-04	7.84E-06	2.81E-05	4.22E-06	1.30E-05
5230	436797	3762667.54	4.52E-05	1.54E-04	7.03E-06	2.52E-05	3.78E-06	1.17E-05
5231	436803.03	3762652.94	4.52E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
5232	436809.06	3762638.34	4.51E-05	1.54E-04	7.00E-06	2.51E-05	3.77E-06	1.16E-05
5233	436815.09	3762623.73	4.48E-05	1.53E-04	6.97E-06	2.50E-05	3.75E-06	1.16E-05
5234	436821.12	3762609.13	4.45E-05	1.52E-04	6.91E-06	2.48E-05	3.72E-06	1.15E-05
5235	436827.15	3762594.53	4.40E-05	1.50E-04	6.84E-06	2.45E-05	3.69E-06	1.14E-05
5236	436833.19	3762579.93	4.36E-05	1.49E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
5237	436839.22	3762565.33	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
5238	436845.25	3762550.73	4.26E-05	1.45E-04	6.62E-06	2.37E-05	3.57E-06	1.10E-05
5239	436851.28	3762536.12	4.21E-05	1.44E-04	6.54E-06	2.34E-05	3.52E-06	1.09E-05
5240	436857.31	3762521.52	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
5241	436863.35	3762506.92	4.10E-05	1.40E-04	6.36E-06	2.28E-05	3.43E-06	1.06E-05
5242	436869.38	3762492.32	4.03E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
5243	436875.41	3762477.72	3.98E-05	1.36E-04	6.18E-06	2.21E-05	3.33E-06	1.03E-05
5244	436893.5	3762433.91	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.79E-06
5245	436899.54	3762419.31	3.73E-05	1.27E-04	5.80E-06	2.08E-05	3.12E-06	9.64E-06
5246	436905.57	3762404.71	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.48E-06
5247	436911.6	3762390.11	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.33E-06
5248	436917.63	3762375.51	3.55E-05	1.21E-04	5.52E-06	1.98E-05	2.97E-06	9.17E-06

5249	436923.66	3762360.9	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.92E-06	9.00E-06
5250	436929.7	3762346.3	3.42E-05	1.17E-04	5.31E-06	1.90E-05	2.86E-06	8.83E-06
5251	436935.73	3762331.7	3.35E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.66E-06
5252	436941.76	3762317.1	3.28E-05	1.12E-04	5.10E-06	1.83E-05	2.75E-06	8.48E-06
5253	436947.79	3762302.5	3.21E-05	1.09E-04	4.99E-06	1.79E-05	2.69E-06	8.29E-06
5254	436953.82	3762287.9	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
5255	436959.85	3762273.29	3.07E-05	1.05E-04	4.77E-06	1.71E-05	2.57E-06	7.93E-06
5256	436965.89	3762258.69	3.00E-05	1.02E-04	4.66E-06	1.67E-05	2.51E-06	7.75E-06
5257	436976.19	3762248.35	2.97E-05	1.01E-04	4.62E-06	1.66E-05	2.49E-06	7.68E-06
5258	436990.77	3762242.26	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.51E-06	7.74E-06
5259	437005.35	3762236.17	3.01E-05	1.03E-04	4.68E-06	1.68E-05	2.52E-06	7.78E-06
5260	437019.93	3762230.08	3.02E-05	1.03E-04	4.70E-06	1.68E-05	2.53E-06	7.81E-06
5261	437034.5	3762224	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5262	437049.08	3762217.91	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.84E-06
5263	437063.66	3762211.82	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5264	437078.24	3762205.73	3.03E-05	1.03E-04	4.70E-06	1.69E-05	2.53E-06	7.82E-06
5265	437092.82	3762199.64	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.52E-06	7.79E-06
5266	437107.4	3762193.56	3.00E-05	1.02E-04	4.66E-06	1.67E-05	2.51E-06	7.75E-06
5267	437121.98	3762187.47	2.98E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
5268	437136.55	3762181.38	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.65E-06
5269	437151.13	3762175.29	2.94E-05	1.00E-04	4.56E-06	1.64E-05	2.46E-06	7.59E-06
5270	437165.71	3762169.21	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
5271	437180.29	3762163.12	2.88E-05	9.82E-05	4.48E-06	1.60E-05	2.41E-06	7.44E-06
5272	437194.87	3762157.03	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
5273	437209.45	3762150.94	2.82E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
5274	437224.02	3762144.85	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
5275	437238.6	3762138.77	2.75E-05	9.37E-05	4.27E-06	1.53E-05	2.30E-06	7.10E-06
5276	437253.18	3762132.68	2.71E-05	9.25E-05	4.22E-06	1.51E-05	2.27E-06	7.01E-06
5277	437267.76	3762126.59	2.68E-05	9.14E-05	4.16E-06	1.49E-05	2.24E-06	6.93E-06
5278	437282.34	3762120.5	2.65E-05	9.03E-05	4.12E-06	1.48E-05	2.22E-06	6.84E-06
5279	437296.92	3762114.42	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
5280	437311.49	3762108.33	2.59E-05	8.83E-05	4.02E-06	1.44E-05	2.17E-06	6.69E-06
5281	437326.07	3762102.24	2.56E-05	8.74E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
5282	437340.65	3762096.15	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
5283	437355.23	3762090.06	2.51E-05	8.57E-05	3.91E-06	1.40E-05	2.10E-06	6.49E-06
5284	436793.98	3762682.8	4.55E-05	1.55E-04	7.08E-06	2.54E-05	3.81E-06	1.18E-05
5285	436793.98	3762698.72	4.62E-05	1.57E-04	7.18E-06	2.57E-05	3.87E-06	1.19E-05
5286	436756.99	3762667.55	4.05E-05	1.38E-04	6.30E-06	2.26E-05	3.39E-06	1.05E-05
5287	436763.01	3762652.98	4.06E-05	1.38E-04	6.30E-06	2.26E-05	3.39E-06	1.05E-05
5288	436769.03	3762638.41	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
5289	436775.05	3762623.84	4.03E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
5290	436781.06	3762609.27	4.01E-05	1.37E-04	6.23E-06	2.23E-05	3.36E-06	1.04E-05
5291	436787.08	3762594.7	3.98E-05	1.36E-04	6.18E-06	2.22E-05	3.33E-06	1.03E-05
5292	436793.1	3762580.13	3.94E-05	1.34E-04	6.12E-06	2.20E-05	3.30E-06	1.02E-05
5293	436799.12	3762565.56	3.90E-05	1.33E-04	6.06E-06	2.17E-05	3.26E-06	1.01E-05
5294	436805.14	3762550.99	3.85E-05	1.31E-04	5.99E-06	2.15E-05	3.23E-06	9.96E-06
5295	436811.16	3762536.42	3.81E-05	1.30E-04	5.92E-06	2.12E-05	3.19E-06	9.84E-06
5296	436817.18	3762521.85	3.76E-05	1.28E-04	5.85E-06	2.10E-05	3.15E-06	9.72E-06
5297	436823.2	3762507.28	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.60E-06
5298	436829.22	3762492.71	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.07E-06	9.47E-06
5299	436835.23	3762478.14	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.34E-06
5300	436841.25	3762463.57	3.56E-05	1.21E-04	5.54E-06	1.98E-05	2.98E-06	9.21E-06

5301	436859.31	3762419.86	3.41E-05	1.16E-04	5.29E-06	1.90E-05	2.85E-06	8.80E-06
5302	436865.33	3762405.29	3.35E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.66E-06
5303	436871.35	3762390.72	3.30E-05	1.12E-04	5.12E-06	1.84E-05	2.76E-06	8.52E-06
5304	436877.37	3762376.15	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
5305	436883.38	3762361.58	3.18E-05	1.09E-04	4.95E-06	1.77E-05	2.67E-06	8.23E-06
5306	436889.4	3762347.01	3.13E-05	1.07E-04	4.87E-06	1.75E-05	2.62E-06	8.10E-06
5307	436895.42	3762332.44	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.97E-06
5308	436901.44	3762317.87	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.84E-06
5309	436907.46	3762303.3	2.98E-05	1.02E-04	4.63E-06	1.66E-05	2.49E-06	7.70E-06
5310	436913.48	3762288.73	2.93E-05	9.98E-05	4.55E-06	1.63E-05	2.45E-06	7.56E-06
5311	436919.5	3762274.16	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.41E-06
5312	436925.52	3762259.59	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
5313	436931.54	3762245.02	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
5314	436937.55	3762230.45	2.70E-05	9.19E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
5315	436947.84	3762220.12	2.67E-05	9.12E-05	4.15E-06	1.49E-05	2.24E-06	6.91E-06
5316	436962.38	3762214.05	2.69E-05	9.18E-05	4.18E-06	1.50E-05	2.25E-06	6.95E-06
5317	436976.93	3762207.97	2.71E-05	9.23E-05	4.20E-06	1.51E-05	2.26E-06	6.99E-06
5318	436991.48	3762201.9	2.72E-05	9.27E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
5319	437006.03	3762195.83	2.73E-05	9.30E-05	4.24E-06	1.52E-05	2.28E-06	7.05E-06
5320	437020.57	3762189.75	2.73E-05	9.32E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
5321	437035.12	3762183.68	2.73E-05	9.32E-05	4.25E-06	1.52E-05	2.29E-06	7.06E-06
5322	437049.67	3762177.6	2.73E-05	9.31E-05	4.24E-06	1.52E-05	2.28E-06	7.05E-06
5323	437064.21	3762171.53	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
5324	437078.76	3762165.45	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
5325	437093.31	3762159.38	2.70E-05	9.20E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
5326	437107.85	3762153.3	2.68E-05	9.15E-05	4.17E-06	1.49E-05	2.25E-06	6.93E-06
5327	437122.4	3762147.23	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
5328	437136.95	3762141.15	2.64E-05	9.01E-05	4.10E-06	1.47E-05	2.21E-06	6.83E-06
5329	437151.5	3762135.08	2.62E-05	8.92E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
5330	437166.04	3762129	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
5331	437180.59	3762122.93	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
5332	437195.14	3762116.85	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
5333	437209.68	3762110.78	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
5334	437224.23	3762104.7	2.48E-05	8.45E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
5335	437238.78	3762098.63	2.45E-05	8.35E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
5336	437253.32	3762092.55	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
5337	436753.98	3762682.8	4.08E-05	1.39E-04	6.34E-06	2.27E-05	3.41E-06	1.05E-05
5338	436753.98	3762698.72	4.13E-05	1.41E-04	6.41E-06	2.30E-05	3.46E-06	1.07E-05
5339	436716.98	3762667.57	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.06E-06	9.45E-06
5340	436722.99	3762653.03	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.07E-06	9.47E-06
5341	436729	3762638.48	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.06E-06	9.46E-06
5342	436735.01	3762623.94	3.65E-05	1.24E-04	5.67E-06	2.03E-05	3.05E-06	9.43E-06
5343	436741.01	3762609.4	3.63E-05	1.24E-04	5.64E-06	2.02E-05	3.04E-06	9.38E-06
5344	436747.02	3762594.86	3.61E-05	1.23E-04	5.60E-06	2.01E-05	3.02E-06	9.32E-06
5345	436753.03	3762580.31	3.58E-05	1.22E-04	5.56E-06	1.99E-05	3.00E-06	9.25E-06
5346	436759.04	3762565.77	3.55E-05	1.21E-04	5.51E-06	1.98E-05	2.97E-06	9.16E-06
5347	436765.04	3762551.23	3.51E-05	1.20E-04	5.45E-06	1.96E-05	2.94E-06	9.07E-06
5348	436771.05	3762536.68	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.91E-06	8.97E-06
5349	436777.06	3762522.14	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
5350	436783.07	3762507.6	3.39E-05	1.15E-04	5.26E-06	1.89E-05	2.83E-06	8.75E-06
5351	436789.07	3762493.06	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.80E-06	8.64E-06
5352	436795.08	3762478.51	3.30E-05	1.12E-04	5.12E-06	1.84E-05	2.76E-06	8.52E-06

5353	436801.09	3762463.97	3.25E-05	1.11E-04	5.06E-06	1.81E-05	2.72E-06	8.41E-06
5354	436807.1	3762449.43	3.21E-05	1.10E-04	4.99E-06	1.79E-05	2.69E-06	8.30E-06
5355	436831.12	3762391.26	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5356	436837.13	3762376.72	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.51E-06	7.74E-06
5357	436843.14	3762362.17	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.60E-06
5358	436849.15	3762347.63	2.90E-05	9.88E-05	4.50E-06	1.61E-05	2.42E-06	7.49E-06
5359	436855.15	3762333.09	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
5360	436861.16	3762318.54	2.81E-05	9.58E-05	4.36E-06	1.56E-05	2.35E-06	7.26E-06
5361	436867.17	3762304	2.77E-05	9.44E-05	4.30E-06	1.54E-05	2.32E-06	7.15E-06
5362	436873.18	3762289.46	2.73E-05	9.30E-05	4.24E-06	1.52E-05	2.28E-06	7.04E-06
5363	436879.18	3762274.92	2.68E-05	9.15E-05	4.17E-06	1.49E-05	2.25E-06	6.93E-06
5364	436885.19	3762260.37	2.64E-05	8.99E-05	4.10E-06	1.47E-05	2.21E-06	6.81E-06
5365	436891.2	3762245.83	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.69E-06
5366	436897.21	3762231.29	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
5367	436903.21	3762216.75	2.49E-05	8.49E-05	3.87E-06	1.39E-05	2.08E-06	6.43E-06
5368	436909.22	3762202.2	2.44E-05	8.30E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
5369	436919.48	3762191.9	2.42E-05	8.24E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
5370	436934	3762185.84	2.43E-05	8.29E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
5371	436948.52	3762179.77	2.45E-05	8.34E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
5372	436963.04	3762173.71	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
5373	436977.56	3762167.65	2.46E-05	8.40E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
5374	436992.08	3762161.58	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
5375	437006.6	3762155.52	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
5376	437021.12	3762149.46	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
5377	437122.76	3762107.01	2.39E-05	8.16E-05	3.72E-06	1.33E-05	2.00E-06	6.18E-06
5378	437137.28	3762100.95	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
5379	437151.8	3762094.89	2.35E-05	8.02E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
5380	437166.32	3762088.83	2.33E-05	7.93E-05	3.61E-06	1.30E-05	1.95E-06	6.01E-06
5381	436713.98	3762682.8	3.68E-05	1.25E-04	5.71E-06	2.05E-05	3.08E-06	9.50E-06
5382	436713.98	3762698.72	3.72E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.60E-06
5383	436676.98	3762667.58	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.58E-06
5384	436682.98	3762653.06	3.33E-05	1.13E-04	5.17E-06	1.85E-05	2.79E-06	8.60E-06
5385	436688.97	3762638.54	3.33E-05	1.13E-04	5.17E-06	1.85E-05	2.79E-06	8.60E-06
5386	436694.97	3762624.03	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.58E-06
5387	436700.97	3762609.51	3.31E-05	1.13E-04	5.14E-06	1.84E-05	2.77E-06	8.55E-06
5388	436706.97	3762594.99	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.75E-06	8.50E-06
5389	436712.96	3762580.47	3.27E-05	1.11E-04	5.08E-06	1.82E-05	2.73E-06	8.44E-06
5390	436718.96	3762565.95	3.24E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.37E-06
5391	436724.96	3762551.43	3.21E-05	1.09E-04	4.99E-06	1.79E-05	2.69E-06	8.29E-06
5392	436730.95	3762536.92	3.18E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.21E-06
5393	436736.95	3762522.4	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
5394	436742.95	3762507.88	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
5395	436748.95	3762493.36	3.07E-05	1.05E-04	4.77E-06	1.71E-05	2.57E-06	7.93E-06
5396	436754.94	3762478.84	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5397	436760.94	3762464.33	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
5398	436766.94	3762449.81	2.95E-05	1.01E-04	4.59E-06	1.65E-05	2.47E-06	7.63E-06
5399	436772.94	3762435.29	2.92E-05	9.95E-05	4.53E-06	1.63E-05	2.44E-06	7.54E-06
5400	436778.93	3762420.77	2.88E-05	9.83E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
5401	436802.92	3762362.7	2.74E-05	9.35E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
5402	436808.92	3762348.18	2.70E-05	9.21E-05	4.20E-06	1.51E-05	2.26E-06	6.98E-06
5403	436814.92	3762333.66	2.66E-05	9.07E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
5404	436820.91	3762319.14	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06

5405	436826.91	3762304.62	2.59E-05	8.82E-05	4.02E-06	1.44E-05	2.17E-06	6.68E-06
5406	436832.91	3762290.11	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.59E-06
5407	436838.91	3762275.59	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
5408	436844.9	3762261.07	2.47E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.39E-06
5409	436850.9	3762246.55	2.44E-05	8.31E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
5410	436856.9	3762232.03	2.39E-05	8.16E-05	3.72E-06	1.33E-05	2.00E-06	6.19E-06
5411	436862.9	3762217.52	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
5412	436868.89	3762203	2.30E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
5413	436874.89	3762188.48	2.26E-05	7.70E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
5414	436880.89	3762173.96	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
5415	436891.13	3762163.68	2.20E-05	7.50E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
5416	436905.63	3762157.62	2.22E-05	7.56E-05	3.45E-06	1.24E-05	1.86E-06	5.73E-06
5417	436920.12	3762151.57	2.23E-05	7.62E-05	3.47E-06	1.24E-05	1.87E-06	5.77E-06
5418	436934.62	3762145.52	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
5419	436949.11	3762139.46	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
5420	436963.61	3762133.41	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
5421	436978.1	3762127.36	2.25E-05	7.67E-05	3.50E-06	1.25E-05	1.88E-06	5.81E-06
5422	436992.6	3762121.3	2.25E-05	7.67E-05	3.50E-06	1.25E-05	1.88E-06	5.81E-06
5423	437007.09	3762115.25	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
5424	437021.59	3762109.2	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
5425	437340.48	3761976.03	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
5426	437354.98	3761969.98	1.86E-05	6.35E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
5427	437369.47	3761963.92	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06
5428	436673.98	3762682.8	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.61E-06
5429	436673.98	3762698.72	3.36E-05	1.15E-04	5.23E-06	1.87E-05	2.82E-06	8.69E-06
5430	436637.02	3762667.49	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5431	436643.09	3762652.8	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5432	436649.16	3762638.1	3.04E-05	1.04E-04	4.73E-06	1.69E-05	2.55E-06	7.86E-06
5433	436655.23	3762623.41	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5434	436661.3	3762608.71	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.53E-06	7.82E-06
5435	436667.37	3762594.02	3.01E-05	1.03E-04	4.68E-06	1.68E-05	2.52E-06	7.79E-06
5436	436673.44	3762579.32	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.51E-06	7.74E-06
5437	436679.51	3762564.63	2.97E-05	1.01E-04	4.62E-06	1.66E-05	2.49E-06	7.68E-06
5438	436685.58	3762549.93	2.95E-05	1.00E-04	4.58E-06	1.64E-05	2.47E-06	7.61E-06
5439	436691.65	3762535.24	2.92E-05	9.95E-05	4.53E-06	1.63E-05	2.44E-06	7.54E-06
5440	436697.72	3762520.54	2.89E-05	9.84E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
5441	436703.79	3762505.85	2.85E-05	9.73E-05	4.44E-06	1.59E-05	2.39E-06	7.38E-06
5442	436709.86	3762491.15	2.82E-05	9.62E-05	4.38E-06	1.57E-05	2.36E-06	7.29E-06
5443	436728.07	3762447.07	2.72E-05	9.27E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
5444	436734.14	3762432.37	2.69E-05	9.16E-05	4.17E-06	1.50E-05	2.25E-06	6.94E-06
5445	436740.21	3762417.68	2.65E-05	9.05E-05	4.12E-06	1.48E-05	2.22E-06	6.86E-06
5446	436746.28	3762402.98	2.63E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
5447	436752.35	3762388.29	2.59E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.70E-06
5448	436758.42	3762373.59	2.56E-05	8.75E-05	3.98E-06	1.43E-05	2.15E-06	6.63E-06
5449	436782.7	3762314.81	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
5450	436788.77	3762300.12	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.02E-06	6.22E-06
5451	436794.84	3762285.42	2.38E-05	8.11E-05	3.70E-06	1.32E-05	1.99E-06	6.14E-06
5452	436800.91	3762270.73	2.35E-05	8.00E-05	3.65E-06	1.31E-05	1.96E-06	6.06E-06
5453	436806.99	3762256.03	2.31E-05	7.89E-05	3.59E-06	1.29E-05	1.94E-06	5.98E-06
5454	436813.06	3762241.34	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
5455	436819.13	3762226.64	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
5456	436825.2	3762211.95	2.20E-05	7.52E-05	3.43E-06	1.23E-05	1.85E-06	5.70E-06

5457	436831.27	3762197.25	2.17E-05	7.38E-05	3.36E-06	1.21E-05	1.81E-06	5.59E-06
5458	436837.34	3762182.56	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
5459	436843.41	3762167.86	2.09E-05	7.12E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
5460	436849.48	3762153.17	2.05E-05	6.99E-05	3.19E-06	1.14E-05	1.72E-06	5.30E-06
5461	436862.88	3762135.41	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
5462	436877.56	3762129.28	2.04E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
5463	436892.23	3762123.15	2.05E-05	6.99E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
5464	436906.9	3762117.03	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
5465	436921.57	3762110.9	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5466	436936.24	3762104.77	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5467	436950.91	3762098.65	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.35E-06
5468	436965.58	3762092.52	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5469	437244.35	3761976.11	1.81E-05	6.16E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
5470	437259.02	3761969.99	1.79E-05	6.10E-05	2.78E-06	9.96E-06	1.50E-06	4.62E-06
5471	437273.69	3761963.86	1.77E-05	6.04E-05	2.75E-06	9.87E-06	1.48E-06	4.58E-06
5472	437288.36	3761957.73	1.76E-05	5.99E-05	2.73E-06	9.79E-06	1.47E-06	4.54E-06
5473	437303.03	3761951.61	1.74E-05	5.95E-05	2.71E-06	9.71E-06	1.46E-06	4.51E-06
5474	437317.7	3761945.48	1.73E-05	5.91E-05	2.69E-06	9.65E-06	1.45E-06	4.48E-06
5475	437332.37	3761939.35	1.72E-05	5.87E-05	2.68E-06	9.59E-06	1.44E-06	4.45E-06
5476	437347.05	3761933.23	1.71E-05	5.84E-05	2.66E-06	9.54E-06	1.43E-06	4.43E-06
5477	437361.72	3761927.1	1.70E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
5478	436633.98	3762682.8	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5479	436633.98	3762698.72	3.06E-05	1.04E-04	4.76E-06	1.71E-05	2.56E-06	7.91E-06
5480	436597.01	3762667.51	2.78E-05	9.47E-05	4.32E-06	1.55E-05	2.32E-06	7.18E-06
5481	436603.07	3762652.84	2.79E-05	9.50E-05	4.33E-06	1.55E-05	2.33E-06	7.20E-06
5482	436609.12	3762638.18	2.79E-05	9.51E-05	4.34E-06	1.55E-05	2.34E-06	7.21E-06
5483	436615.18	3762623.51	2.79E-05	9.51E-05	4.33E-06	1.55E-05	2.33E-06	7.21E-06
5484	436621.24	3762608.85	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
5485	436627.3	3762594.18	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
5486	436633.36	3762579.52	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
5487	436639.41	3762564.85	2.74E-05	9.34E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
5488	436645.47	3762550.19	2.72E-05	9.27E-05	4.22E-06	1.51E-05	2.28E-06	7.02E-06
5489	436651.53	3762535.52	2.70E-05	9.19E-05	4.19E-06	1.50E-05	2.26E-06	6.96E-06
5490	436657.59	3762520.86	2.67E-05	9.10E-05	4.15E-06	1.49E-05	2.23E-06	6.90E-06
5491	436663.65	3762506.19	2.64E-05	9.01E-05	4.10E-06	1.47E-05	2.21E-06	6.83E-06
5492	436669.7	3762491.53	2.61E-05	8.91E-05	4.06E-06	1.46E-05	2.19E-06	6.75E-06
5493	436687.88	3762447.53	2.52E-05	8.60E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
5494	436693.94	3762432.87	2.49E-05	8.49E-05	3.87E-06	1.39E-05	2.08E-06	6.44E-06
5495	436699.99	3762418.2	2.46E-05	8.39E-05	3.82E-06	1.37E-05	2.06E-06	6.36E-06
5496	436706.05	3762403.54	2.44E-05	8.30E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
5497	436712.11	3762388.87	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.02E-06	6.22E-06
5498	436736.34	3762330.22	2.30E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
5499	436742.4	3762315.55	2.28E-05	7.76E-05	3.54E-06	1.27E-05	1.91E-06	5.88E-06
5500	436748.46	3762300.89	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
5501	436790.86	3762198.23	2.06E-05	7.01E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
5502	436796.92	3762183.57	2.02E-05	6.90E-05	3.14E-06	1.13E-05	1.69E-06	5.23E-06
5503	436802.98	3762168.9	1.99E-05	6.79E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
5504	436809.04	3762154.24	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
5505	436815.09	3762139.57	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
5506	436821.15	3762124.91	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
5507	436834.53	3762107.18	1.87E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
5508	436849.17	3762101.07	1.88E-05	6.40E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06

5509	437142	3761978.79	1.77E-05	6.03E-05	2.75E-06	9.85E-06	1.48E-06	4.57E-06
5510	437156.64	3761972.67	1.75E-05	5.98E-05	2.72E-06	9.76E-06	1.47E-06	4.53E-06
5511	437171.28	3761966.56	1.74E-05	5.92E-05	2.70E-06	9.67E-06	1.45E-06	4.48E-06
5512	437185.93	3761960.44	1.72E-05	5.86E-05	2.67E-06	9.57E-06	1.44E-06	4.44E-06
5513	437200.57	3761954.33	1.70E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
5514	437215.21	3761948.22	1.69E-05	5.75E-05	2.62E-06	9.40E-06	1.41E-06	4.36E-06
5515	437229.85	3761942.1	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
5516	437244.49	3761935.99	1.66E-05	5.64E-05	2.57E-06	9.22E-06	1.39E-06	4.28E-06
5517	437259.13	3761929.87	1.64E-05	5.60E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
5518	437273.78	3761923.76	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
5519	437288.42	3761917.65	1.62E-05	5.51E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
5520	437303.06	3761911.53	1.61E-05	5.48E-05	2.49E-06	8.94E-06	1.34E-06	4.15E-06
5521	437317.7	3761905.42	1.60E-05	5.45E-05	2.48E-06	8.90E-06	1.34E-06	4.13E-06
5522	437332.34	3761899.3	1.59E-05	5.42E-05	2.47E-06	8.85E-06	1.33E-06	4.11E-06
5523	437346.98	3761893.19	1.58E-05	5.39E-05	2.46E-06	8.81E-06	1.32E-06	4.09E-06
5524	436593.98	3762682.8	2.78E-05	9.49E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
5525	436593.98	3762698.72	2.80E-05	9.55E-05	4.35E-06	1.56E-05	2.34E-06	7.24E-06
5526	436575.14	3762623.61	2.57E-05	8.77E-05	4.00E-06	1.43E-05	2.15E-06	6.65E-06
5527	436581.19	3762608.97	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
5528	436587.24	3762594.33	2.56E-05	8.73E-05	3.98E-06	1.43E-05	2.14E-06	6.61E-06
5529	436593.28	3762579.69	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
5530	436599.33	3762565.06	2.53E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.54E-06
5531	436605.38	3762550.42	2.52E-05	8.58E-05	3.91E-06	1.40E-05	2.11E-06	6.50E-06
5532	436611.42	3762535.78	2.50E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
5533	436617.47	3762521.14	2.47E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.39E-06
5534	436623.52	3762506.51	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
5535	436629.56	3762491.87	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
5536	436647.7	3762447.96	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
5537	436653.75	3762433.32	2.32E-05	7.91E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
5538	436659.8	3762418.68	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.93E-06
5539	436665.84	3762404.04	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.87E-06
5540	436671.89	3762389.4	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
5541	436690.03	3762345.49	2.18E-05	7.43E-05	3.39E-06	1.21E-05	1.82E-06	5.63E-06
5542	436696.08	3762330.85	2.16E-05	7.35E-05	3.35E-06	1.20E-05	1.80E-06	5.57E-06
5543	436702.12	3762316.22	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
5544	436708.17	3762301.58	2.11E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
5545	436714.22	3762286.94	2.08E-05	7.10E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
5546	436720.26	3762272.3	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
5547	436726.31	3762257.66	2.04E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
5548	436732.36	3762243.03	2.01E-05	6.86E-05	3.12E-06	1.12E-05	1.68E-06	5.20E-06
5549	436738.4	3762228.39	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.66E-06	5.14E-06
5550	436744.45	3762213.75	1.97E-05	6.70E-05	3.05E-06	1.09E-05	1.65E-06	5.08E-06
5551	437054.62	3761975.21	1.71E-05	5.82E-05	2.65E-06	9.51E-06	1.43E-06	4.41E-06
5552	437069.24	3761969.11	1.70E-05	5.79E-05	2.64E-06	9.46E-06	1.42E-06	4.39E-06
5553	437083.85	3761963.01	1.68E-05	5.74E-05	2.62E-06	9.38E-06	1.41E-06	4.35E-06
5554	437098.47	3761956.9	1.67E-05	5.69E-05	2.59E-06	9.30E-06	1.40E-06	4.31E-06
5555	437113.08	3761950.8	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
5556	437127.69	3761944.7	1.64E-05	5.59E-05	2.55E-06	9.13E-06	1.37E-06	4.23E-06
5557	437142.31	3761938.59	1.62E-05	5.54E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
5558	437156.92	3761932.49	1.61E-05	5.48E-05	2.50E-06	8.96E-06	1.35E-06	4.16E-06
5559	437171.54	3761926.39	1.59E-05	5.43E-05	2.48E-06	8.88E-06	1.33E-06	4.12E-06
5560	437186.15	3761920.29	1.58E-05	5.38E-05	2.45E-06	8.80E-06	1.32E-06	4.08E-06

5561	437200.77	3761914.18	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
5562	437215.38	3761908.08	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
5563	437230	3761901.98	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
5564	437244.61	3761895.87	1.52E-05	5.20E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
5565	437259.22	3761889.77	1.51E-05	5.16E-05	2.35E-06	8.43E-06	1.27E-06	3.91E-06
5566	436517	3762667.53	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
5567	436523.03	3762652.92	2.38E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
5568	436529.07	3762638.31	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
5569	436535.11	3762623.69	2.38E-05	8.13E-05	3.70E-06	1.33E-05	2.00E-06	6.16E-06
5570	436541.14	3762609.08	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
5571	436547.18	3762594.47	2.38E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
5572	436577.36	3762521.4	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
5573	436583.4	3762506.79	2.29E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
5574	436589.44	3762492.18	2.26E-05	7.72E-05	3.52E-06	1.26E-05	1.90E-06	5.85E-06
5575	436595.47	3762477.56	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
5576	436607.55	3762448.34	2.20E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
5577	436613.58	3762433.72	2.17E-05	7.41E-05	3.38E-06	1.21E-05	1.82E-06	5.61E-06
5578	436619.62	3762419.11	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
5579	436625.66	3762404.5	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
5580	436631.69	3762389.88	2.10E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
5581	436649.8	3762346.04	2.04E-05	6.95E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
5582	436655.84	3762331.43	2.02E-05	6.88E-05	3.13E-06	1.12E-05	1.69E-06	5.21E-06
5583	436661.87	3762316.82	2.00E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
5584	436667.91	3762302.21	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.65E-06	5.11E-06
5585	436673.95	3762287.59	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.06E-06
5586	436679.98	3762272.98	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
5587	436686.02	3762258.37	1.91E-05	6.53E-05	2.97E-06	1.07E-05	1.60E-06	4.95E-06
5588	436692.06	3762243.75	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
5589	436698.09	3762229.14	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.83E-06
5590	436704.13	3762214.53	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06
5591	436710.17	3762199.91	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06
5592	436952.91	3761977.62	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
5593	436967.5	3761971.53	1.62E-05	5.54E-05	2.52E-06	9.05E-06	1.36E-06	4.20E-06
5594	436982.08	3761965.44	1.62E-05	5.51E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
5595	436996.67	3761959.35	1.61E-05	5.50E-05	2.50E-06	8.98E-06	1.35E-06	4.16E-06
5596	437011.26	3761953.25	1.61E-05	5.47E-05	2.49E-06	8.94E-06	1.34E-06	4.15E-06
5597	437025.85	3761947.16	1.60E-05	5.45E-05	2.48E-06	8.90E-06	1.34E-06	4.13E-06
5598	437040.44	3761941.07	1.59E-05	5.42E-05	2.47E-06	8.85E-06	1.33E-06	4.11E-06
5599	437055.03	3761934.98	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
5600	437069.62	3761928.88	1.56E-05	5.34E-05	2.43E-06	8.72E-06	1.31E-06	4.04E-06
5601	437084.21	3761922.79	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
5602	437098.8	3761916.7	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
5603	437113.39	3761910.61	1.52E-05	5.20E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
5604	437127.98	3761904.51	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.26E-06	3.90E-06
5605	437142.57	3761898.42	1.50E-05	5.11E-05	2.33E-06	8.34E-06	1.25E-06	3.87E-06
5606	437157.16	3761892.33	1.48E-05	5.06E-05	2.31E-06	8.27E-06	1.24E-06	3.83E-06
5607	436513.98	3762682.8	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.11E-06
5608	436513.98	3762698.72	2.38E-05	8.11E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
5609	436476.99	3762667.54	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
5610	436483.02	3762652.95	2.20E-05	7.52E-05	3.42E-06	1.23E-05	1.84E-06	5.70E-06
5611	436489.05	3762638.36	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.71E-06
5612	436495.08	3762623.77	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06

5613	436501.1	3762609.18	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
5614	436507.13	3762594.59	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
5615	436513.16	3762580	2.21E-05	7.52E-05	3.43E-06	1.23E-05	1.85E-06	5.70E-06
5616	436519.18	3762565.41	2.20E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.68E-06
5617	436525.21	3762550.82	2.19E-05	7.45E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
5618	436531.24	3762536.23	2.17E-05	7.41E-05	3.38E-06	1.21E-05	1.82E-06	5.61E-06
5619	436537.27	3762521.64	2.16E-05	7.35E-05	3.35E-06	1.20E-05	1.80E-06	5.57E-06
5620	436543.29	3762507.05	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
5621	436549.32	3762492.46	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
5622	436579.46	3762419.5	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
5623	436585.48	3762404.91	1.99E-05	6.79E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
5624	436591.51	3762390.32	1.97E-05	6.73E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06
5625	436603.57	3762361.14	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
5626	436609.59	3762346.55	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
5627	436615.62	3762331.96	1.89E-05	6.46E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
5628	436621.65	3762317.37	1.87E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
5629	436627.68	3762302.78	1.86E-05	6.33E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
5630	436633.7	3762288.19	1.84E-05	6.27E-05	2.86E-06	1.02E-05	1.54E-06	4.75E-06
5631	436639.73	3762273.59	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
5632	436645.76	3762259	1.80E-05	6.15E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
5633	436651.78	3762244.41	1.78E-05	6.08E-05	2.77E-06	9.94E-06	1.49E-06	4.61E-06
5634	436657.81	3762229.82	1.77E-05	6.02E-05	2.74E-06	9.84E-06	1.48E-06	4.56E-06
5635	436663.84	3762215.23	1.75E-05	5.96E-05	2.72E-06	9.74E-06	1.46E-06	4.52E-06
5636	436669.87	3762200.64	1.73E-05	5.90E-05	2.69E-06	9.64E-06	1.45E-06	4.47E-06
5637	436675.89	3762186.05	1.71E-05	5.84E-05	2.66E-06	9.54E-06	1.43E-06	4.43E-06
5638	436681.92	3762171.46	1.70E-05	5.78E-05	2.63E-06	9.44E-06	1.42E-06	4.38E-06
5639	436730.14	3762054.73	1.53E-05	5.23E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
5640	436851.45	3761979.93	1.53E-05	5.21E-05	2.37E-06	8.51E-06	1.28E-06	3.95E-06
5641	436866.02	3761973.84	1.53E-05	5.22E-05	2.38E-06	8.53E-06	1.28E-06	3.95E-06
5642	436880.58	3761967.76	1.53E-05	5.22E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
5643	436895.15	3761961.68	1.53E-05	5.23E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
5644	436909.72	3761955.59	1.53E-05	5.22E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
5645	436924.29	3761949.51	1.53E-05	5.22E-05	2.38E-06	8.52E-06	1.28E-06	3.95E-06
5646	436938.85	3761943.43	1.52E-05	5.20E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
5647	436953.42	3761937.34	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.93E-06
5648	436967.99	3761931.26	1.51E-05	5.16E-05	2.35E-06	8.43E-06	1.27E-06	3.91E-06
5649	436982.56	3761925.18	1.51E-05	5.14E-05	2.34E-06	8.39E-06	1.26E-06	3.89E-06
5650	436997.12	3761919.1	1.50E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
5651	437011.69	3761913.01	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
5652	437026.26	3761906.93	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
5653	437040.83	3761900.85	1.47E-05	5.01E-05	2.28E-06	8.19E-06	1.23E-06	3.80E-06
5654	437055.39	3761894.76	1.46E-05	4.97E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
5655	437069.96	3761888.68	1.45E-05	4.93E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
5656	436473.98	3762682.8	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
5657	436473.98	3762698.72	2.20E-05	7.51E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
5658	436436.99	3762667.55	2.04E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
5659	436443.01	3762652.98	2.05E-05	7.00E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
5660	436449.03	3762638.41	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
5661	436455.05	3762623.84	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06
5662	436461.06	3762609.27	2.07E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5663	436467.08	3762594.7	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5664	436473.1	3762580.13	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06

5665	436479.12	3762565.56	2.05E-05	7.00E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
5666	436485.14	3762550.99	2.04E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
5667	436491.16	3762536.42	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
5668	436497.18	3762521.85	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
5669	436503.2	3762507.28	2.00E-05	6.83E-05	3.11E-06	1.12E-05	1.68E-06	5.18E-06
5670	436509.22	3762492.71	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.66E-06	5.13E-06
5671	436515.23	3762478.14	1.97E-05	6.71E-05	3.06E-06	1.10E-05	1.65E-06	5.08E-06
5672	436521.25	3762463.57	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
5673	436527.27	3762449	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
5674	436533.29	3762434.43	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
5675	436539.31	3762419.86	1.89E-05	6.44E-05	2.94E-06	1.05E-05	1.58E-06	4.88E-06
5676	436545.33	3762405.29	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.83E-06
5677	436569.4	3762347.01	1.80E-05	6.13E-05	2.80E-06	1.00E-05	1.51E-06	4.65E-06
5678	436575.42	3762332.44	1.78E-05	6.07E-05	2.77E-06	9.92E-06	1.49E-06	4.60E-06
5679	436581.44	3762317.87	1.76E-05	6.02E-05	2.74E-06	9.83E-06	1.48E-06	4.56E-06
5680	436587.46	3762303.3	1.75E-05	5.96E-05	2.71E-06	9.73E-06	1.46E-06	4.51E-06
5681	436593.48	3762288.73	1.73E-05	5.91E-05	2.69E-06	9.65E-06	1.45E-06	4.48E-06
5682	436599.5	3762274.16	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.44E-06
5683	436605.52	3762259.59	1.70E-05	5.80E-05	2.64E-06	9.48E-06	1.42E-06	4.40E-06
5684	436611.54	3762245.02	1.69E-05	5.75E-05	2.62E-06	9.39E-06	1.41E-06	4.36E-06
5685	436617.55	3762230.45	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
5686	436623.57	3762215.88	1.66E-05	5.65E-05	2.57E-06	9.23E-06	1.39E-06	4.28E-06
5687	436629.59	3762201.31	1.64E-05	5.60E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
5688	436635.61	3762186.74	1.62E-05	5.54E-05	2.52E-06	9.05E-06	1.36E-06	4.20E-06
5689	436641.63	3762172.17	1.61E-05	5.48E-05	2.50E-06	8.96E-06	1.35E-06	4.16E-06
5690	436647.65	3762157.6	1.59E-05	5.43E-05	2.47E-06	8.87E-06	1.33E-06	4.11E-06
5691	436653.67	3762143.03	1.58E-05	5.37E-05	2.45E-06	8.78E-06	1.32E-06	4.07E-06
5692	436659.69	3762128.45	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
5693	436808.41	3761957.84	1.43E-05	4.87E-05	2.22E-06	7.96E-06	1.20E-06	3.69E-06
5694	436822.96	3761951.76	1.43E-05	4.88E-05	2.22E-06	7.97E-06	1.20E-06	3.70E-06
5695	436837.51	3761945.69	1.43E-05	4.89E-05	2.23E-06	7.98E-06	1.20E-06	3.70E-06
5696	436852.05	3761939.61	1.44E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
5697	436866.6	3761933.54	1.44E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
5698	436881.15	3761927.46	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
5699	436895.69	3761921.39	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.70E-06
5700	436910.24	3761915.31	1.43E-05	4.88E-05	2.22E-06	7.97E-06	1.20E-06	3.70E-06
5701	436924.79	3761909.24	1.43E-05	4.87E-05	2.22E-06	7.95E-06	1.20E-06	3.69E-06
5702	436939.33	3761903.16	1.42E-05	4.85E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
5703	436953.88	3761897.09	1.42E-05	4.83E-05	2.20E-06	7.89E-06	1.19E-06	3.66E-06
5704	436968.43	3761891.01	1.41E-05	4.80E-05	2.19E-06	7.85E-06	1.18E-06	3.64E-06
5705	436982.98	3761884.94	1.40E-05	4.77E-05	2.18E-06	7.80E-06	1.17E-06	3.62E-06
5706	436433.98	3762682.8	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.28E-06
5707	436433.98	3762698.72	2.05E-05	6.99E-05	3.18E-06	1.14E-05	1.72E-06	5.30E-06
5708	436397.02	3762667.49	1.91E-05	6.51E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
5709	436403.09	3762652.79	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
5710	436409.16	3762638.08	1.93E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
5711	436415.24	3762623.38	1.93E-05	6.58E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
5712	436421.31	3762608.68	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
5713	436427.39	3762593.97	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
5714	436433.46	3762579.27	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
5715	436439.53	3762564.57	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
5716	436445.61	3762549.86	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06

5717	436451.68	3762535.16	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
5718	436457.75	3762520.46	1.89E-05	6.46E-05	2.94E-06	1.06E-05	1.59E-06	4.90E-06
5719	436463.83	3762505.75	1.88E-05	6.42E-05	2.92E-06	1.05E-05	1.57E-06	4.86E-06
5720	436469.9	3762491.05	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.83E-06
5721	436475.97	3762476.35	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
5722	436482.05	3762461.65	1.83E-05	6.25E-05	2.85E-06	1.02E-05	1.54E-06	4.74E-06
5723	436488.12	3762446.94	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
5724	436494.2	3762432.24	1.80E-05	6.13E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
5725	436500.27	3762417.54	1.78E-05	6.06E-05	2.76E-06	9.90E-06	1.49E-06	4.59E-06
5726	436506.34	3762402.83	1.76E-05	6.00E-05	2.74E-06	9.81E-06	1.47E-06	4.55E-06
5727	436512.42	3762388.13	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
5728	436518.49	3762373.43	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
5729	436530.64	3762344.02	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.37E-06
5730	436536.71	3762329.32	1.68E-05	5.72E-05	2.60E-06	9.34E-06	1.40E-06	4.33E-06
5731	436542.79	3762314.61	1.66E-05	5.67E-05	2.58E-06	9.26E-06	1.39E-06	4.29E-06
5732	436548.86	3762299.91	1.65E-05	5.62E-05	2.56E-06	9.17E-06	1.38E-06	4.26E-06
5733	436554.93	3762285.21	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
5734	436561.01	3762270.51	1.62E-05	5.52E-05	2.52E-06	9.02E-06	1.36E-06	4.18E-06
5735	436567.08	3762255.8	1.61E-05	5.48E-05	2.50E-06	8.95E-06	1.34E-06	4.15E-06
5736	436573.15	3762241.1	1.59E-05	5.44E-05	2.48E-06	8.88E-06	1.33E-06	4.12E-06
5737	436579.23	3762226.4	1.58E-05	5.39E-05	2.46E-06	8.81E-06	1.32E-06	4.09E-06
5738	436585.3	3762211.69	1.57E-05	5.35E-05	2.44E-06	8.73E-06	1.31E-06	4.05E-06
5739	436591.37	3762196.99	1.55E-05	5.30E-05	2.41E-06	8.65E-06	1.30E-06	4.01E-06
5740	436597.45	3762182.29	1.54E-05	5.25E-05	2.39E-06	8.57E-06	1.29E-06	3.98E-06
5741	436603.52	3762167.58	1.52E-05	5.19E-05	2.37E-06	8.48E-06	1.27E-06	3.93E-06
5742	436609.6	3762152.88	1.51E-05	5.14E-05	2.34E-06	8.39E-06	1.26E-06	3.89E-06
5743	436615.67	3762138.18	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
5744	436621.74	3762123.47	1.48E-05	5.04E-05	2.30E-06	8.24E-06	1.24E-06	3.82E-06
5745	436676.41	3761991.15	1.34E-05	4.56E-05	2.08E-06	7.46E-06	1.12E-06	3.46E-06
5746	436682.48	3761976.44	1.32E-05	4.49E-05	2.05E-06	7.34E-06	1.10E-06	3.40E-06
5747	436692.86	3761966.03	1.31E-05	4.47E-05	2.04E-06	7.30E-06	1.10E-06	3.39E-06
5748	436707.54	3761959.9	1.32E-05	4.50E-05	2.05E-06	7.34E-06	1.10E-06	3.41E-06
5749	436722.22	3761953.77	1.32E-05	4.51E-05	2.06E-06	7.37E-06	1.11E-06	3.42E-06
5750	436795.61	3761923.12	1.34E-05	4.58E-05	2.09E-06	7.48E-06	1.12E-06	3.47E-06
5751	436810.29	3761916.99	1.35E-05	4.59E-05	2.09E-06	7.49E-06	1.13E-06	3.48E-06
5752	436824.97	3761910.86	1.35E-05	4.59E-05	2.09E-06	7.51E-06	1.13E-06	3.48E-06
5753	436839.65	3761904.73	1.35E-05	4.60E-05	2.09E-06	7.51E-06	1.13E-06	3.48E-06
5754	436854.33	3761898.6	1.35E-05	4.59E-05	2.09E-06	7.51E-06	1.13E-06	3.48E-06
5755	436869.01	3761892.47	1.35E-05	4.59E-05	2.09E-06	7.50E-06	1.13E-06	3.48E-06
5756	436883.69	3761886.34	1.34E-05	4.58E-05	2.09E-06	7.49E-06	1.12E-06	3.47E-06
5757	436898.37	3761880.21	1.34E-05	4.58E-05	2.08E-06	7.47E-06	1.12E-06	3.47E-06
5758	436913.05	3761874.08	1.34E-05	4.57E-05	2.08E-06	7.47E-06	1.12E-06	3.46E-06
5759	436927.73	3761867.95	1.34E-05	4.55E-05	2.07E-06	7.44E-06	1.12E-06	3.45E-06
5760	436942.41	3761861.82	1.33E-05	4.53E-05	2.06E-06	7.40E-06	1.11E-06	3.43E-06
5761	436393.98	3762682.8	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.92E-06
5762	436393.98	3762698.72	1.91E-05	6.52E-05	2.97E-06	1.06E-05	1.60E-06	4.94E-06
5763	437371.09	3762658.86	8.51E-04	2.90E-03	1.32E-04	4.74E-04	7.12E-05	2.20E-04
5764	437363.04	3762578.91	3.16E-04	1.08E-03	4.91E-05	1.76E-04	2.64E-05	8.16E-05
5765	437362.92	3762558.91	2.62E-04	8.95E-04	4.08E-05	1.46E-04	2.20E-05	6.78E-05
5766	437362.79	3762538.91	2.21E-04	7.54E-04	3.43E-05	1.23E-04	1.85E-05	5.71E-05
5767	437385.3	3762518.77	1.97E-04	6.72E-04	3.06E-05	1.10E-04	1.65E-05	5.09E-05
5768	437362.67	3762518.91	1.88E-04	6.42E-04	2.92E-05	1.05E-04	1.57E-05	4.86E-05

5769	437385.18	3762498.77	1.69E-04	5.75E-04	2.62E-05	9.39E-05	1.41E-05	4.36E-05
5770	437362.54	3762498.91	1.62E-04	5.52E-04	2.51E-05	9.01E-05	1.35E-05	4.18E-05
5771	437385.05	3762478.77	1.46E-04	4.97E-04	2.26E-05	8.11E-05	1.22E-05	3.76E-05
5772	437362.42	3762478.91	1.40E-04	4.79E-04	2.18E-05	7.83E-05	1.18E-05	3.63E-05
5773	437384.92	3762458.77	1.27E-04	4.33E-04	1.97E-05	7.07E-05	1.06E-05	3.28E-05
5774	437362.29	3762458.91	1.23E-04	4.19E-04	1.91E-05	6.84E-05	1.03E-05	3.17E-05
5775	437384.8	3762438.77	1.12E-04	3.80E-04	1.73E-05	6.21E-05	9.34E-06	2.88E-05
5776	437362.16	3762438.92	1.08E-04	3.69E-04	1.68E-05	6.03E-05	9.06E-06	2.80E-05
5777	437369.58	3762418.87	9.69E-05	3.30E-04	1.51E-05	5.40E-05	8.11E-06	2.50E-05
5778	437369.46	3762398.87	8.64E-05	2.95E-04	1.34E-05	4.81E-05	7.23E-06	2.23E-05
5779	437384.36	3762368.77	7.47E-05	2.55E-04	1.16E-05	4.16E-05	6.25E-06	1.93E-05
5780	437369.27	3762368.87	7.35E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
5781	437384.17	3762338.77	6.42E-05	2.19E-04	9.97E-06	3.57E-05	5.37E-06	1.66E-05
5782	437369.08	3762338.87	6.33E-05	2.16E-04	9.84E-06	3.53E-05	5.30E-06	1.64E-05
5783	437383.98	3762308.78	5.58E-05	1.90E-04	8.66E-06	3.11E-05	4.67E-06	1.44E-05
5784	437368.89	3762308.87	5.51E-05	1.88E-04	8.56E-06	3.07E-05	4.61E-06	1.42E-05
5785	437383.79	3762278.78	4.89E-05	1.67E-04	7.60E-06	2.73E-05	4.10E-06	1.26E-05
5786	437368.7	3762278.87	4.84E-05	1.65E-04	7.51E-06	2.69E-05	4.05E-06	1.25E-05
5787	437383.6	3762248.78	4.33E-05	1.48E-04	6.73E-06	2.41E-05	3.63E-06	1.12E-05
5788	437368.51	3762248.87	4.28E-05	1.46E-04	6.66E-06	2.39E-05	3.59E-06	1.11E-05
5789	437383.41	3762218.78	3.86E-05	1.32E-04	6.01E-06	2.15E-05	3.23E-06	9.99E-06
5790	437368.32	3762218.87	3.82E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.88E-06
5791	437383.22	3762188.78	3.47E-05	1.18E-04	5.40E-06	1.94E-05	2.91E-06	8.98E-06
5792	437368.13	3762188.87	3.44E-05	1.17E-04	5.34E-06	1.92E-05	2.88E-06	8.89E-06
5793	437383.04	3762158.78	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
5794	437367.95	3762158.87	3.11E-05	1.06E-04	4.84E-06	1.73E-05	2.61E-06	8.04E-06
5795	437382.85	3762128.78	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.40E-06	7.39E-06
5796	437367.76	3762128.87	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
5797	437382.66	3762098.78	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
5798	437367.57	3762098.87	2.60E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.71E-06
5799	437374.36	3761978.83	1.92E-05	6.55E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
5800	437359.27	3761978.92	1.90E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
5801	437359.02	3761938.93	1.74E-05	5.95E-05	2.71E-06	9.71E-06	1.46E-06	4.51E-06
5802	437358.76	3761898.93	1.61E-05	5.49E-05	2.50E-06	8.96E-06	1.35E-06	4.16E-06
5803	437353.8	3762708.61	1.70E-03	5.81E-03	2.65E-04	9.49E-04	1.43E-04	4.40E-04
5804	437353.8	3762718.3	2.05E-03	6.99E-03	3.18E-04	1.14E-03	1.72E-04	5.30E-04
5805	437353.8	3762728	2.46E-03	8.38E-03	3.82E-04	1.37E-03	2.06E-04	6.35E-04
5806	437353.8	3762737.69	2.86E-03	9.75E-03	4.44E-04	1.59E-03	2.39E-04	7.39E-04
5807	437353.8	3762747.39	3.19E-03	1.09E-02	4.96E-04	1.78E-03	2.67E-04	8.25E-04
5808	437353.8	3762757.09	3.42E-03	1.17E-02	5.32E-04	1.91E-03	2.86E-04	8.84E-04
5809	437353.8	3762766.78	3.57E-03	1.22E-02	5.55E-04	1.99E-03	2.99E-04	9.24E-04
5810	437353.8	3762776.48	3.67E-03	1.25E-02	5.70E-04	2.04E-03	3.07E-04	9.48E-04
5811	437353.8	3762786.17	3.69E-03	1.26E-02	5.74E-04	2.06E-03	3.09E-04	9.54E-04
5812	437353.8	3762795.87	3.66E-03	1.25E-02	5.69E-04	2.04E-03	3.06E-04	9.46E-04
5813	437353.8	3762805.56	3.59E-03	1.22E-02	5.58E-04	2.00E-03	3.00E-04	9.28E-04
5814	437353.8	3762815.26	3.47E-03	1.18E-02	5.40E-04	1.93E-03	2.91E-04	8.97E-04
5815	437353.8	3762824.96	3.30E-03	1.13E-02	5.13E-04	1.84E-03	2.76E-04	8.53E-04
5816	437353.8	3762834.65	3.08E-03	1.05E-02	4.78E-04	1.71E-03	2.58E-04	7.95E-04
5817	437353.8	3762844.35	2.80E-03	9.55E-03	4.35E-04	1.56E-03	2.34E-04	7.23E-04
5818	437353.8	3762854.04	2.46E-03	8.40E-03	3.83E-04	1.37E-03	2.06E-04	6.37E-04
5819	437343.8	3762708.61	1.44E-03	4.91E-03	2.24E-04	8.02E-04	1.20E-04	3.72E-04
5820	437343.8	3762718.3	1.68E-03	5.72E-03	2.61E-04	9.35E-04	1.41E-04	4.34E-04

5821	437343.8	3762728	1.95E-03	6.64E-03	3.02E-04	1.08E-03	1.63E-04	5.03E-04
5822	437343.8	3762737.69	2.21E-03	7.52E-03	3.43E-04	1.23E-03	1.85E-04	5.70E-04
5823	437343.8	3762747.39	2.43E-03	8.28E-03	3.77E-04	1.35E-03	2.03E-04	6.27E-04
5824	437343.8	3762757.09	2.59E-03	8.82E-03	4.02E-04	1.44E-03	2.17E-04	6.69E-04
5825	437343.8	3762766.78	2.70E-03	9.19E-03	4.19E-04	1.50E-03	2.26E-04	6.97E-04
5826	437343.8	3762776.48	2.76E-03	9.42E-03	4.29E-04	1.54E-03	2.31E-04	7.14E-04
5827	437343.8	3762786.17	2.78E-03	9.49E-03	4.32E-04	1.55E-03	2.33E-04	7.19E-04
5828	437343.8	3762795.87	2.76E-03	9.42E-03	4.29E-04	1.54E-03	2.31E-04	7.14E-04
5829	437343.8	3762805.56	2.71E-03	9.24E-03	4.21E-04	1.51E-03	2.27E-04	7.00E-04
5830	437343.8	3762815.26	2.62E-03	8.92E-03	4.07E-04	1.46E-03	2.19E-04	6.76E-04
5831	437343.8	3762824.96	2.49E-03	8.49E-03	3.87E-04	1.39E-03	2.08E-04	6.43E-04
5832	437343.8	3762834.65	2.32E-03	7.92E-03	3.61E-04	1.29E-03	1.94E-04	6.00E-04
5833	437343.8	3762844.35	2.13E-03	7.26E-03	3.31E-04	1.19E-03	1.78E-04	5.50E-04
5834	437343.8	3762854.04	1.91E-03	6.52E-03	2.97E-04	1.06E-03	1.60E-04	4.94E-04
5835	437313.8	3762718.3	1.01E-03	3.44E-03	1.57E-04	5.62E-04	8.45E-05	2.61E-04
5836	437313.8	3762728	1.10E-03	3.77E-03	1.72E-04	6.15E-04	9.25E-05	2.85E-04
5837	437313.8	3762737.69	1.20E-03	4.08E-03	1.86E-04	6.66E-04	1.00E-04	3.09E-04
5838	437313.8	3762747.39	1.28E-03	4.36E-03	1.99E-04	7.12E-04	1.07E-04	3.30E-04
5839	437313.8	3762757.09	1.34E-03	4.59E-03	2.09E-04	7.49E-04	1.13E-04	3.47E-04
5840	437313.8	3762766.78	1.39E-03	4.75E-03	2.17E-04	7.77E-04	1.17E-04	3.60E-04
5841	437313.8	3762776.48	1.43E-03	4.87E-03	2.22E-04	7.95E-04	1.19E-04	3.69E-04
5842	437313.8	3762786.17	1.44E-03	4.92E-03	2.24E-04	8.03E-04	1.21E-04	3.73E-04
5843	437313.8	3762795.87	1.44E-03	4.91E-03	2.24E-04	8.02E-04	1.21E-04	3.72E-04
5844	437313.8	3762805.56	1.42E-03	4.85E-03	2.21E-04	7.92E-04	1.19E-04	3.67E-04
5845	437313.8	3762815.26	1.39E-03	4.73E-03	2.15E-04	7.72E-04	1.16E-04	3.58E-04
5846	437313.8	3762824.96	1.33E-03	4.54E-03	2.07E-04	7.42E-04	1.12E-04	3.44E-04
5847	437313.8	3762834.65	1.26E-03	4.31E-03	1.96E-04	7.04E-04	1.06E-04	3.27E-04
5848	437303.8	3762718.3	8.78E-04	2.99E-03	1.36E-04	4.89E-04	7.35E-05	2.27E-04
5849	437303.8	3762728	9.51E-04	3.24E-03	1.48E-04	5.30E-04	7.96E-05	2.46E-04
5850	437303.8	3762737.69	1.02E-03	3.48E-03	1.59E-04	5.68E-04	8.54E-05	2.64E-04
5851	437303.8	3762747.39	1.08E-03	3.69E-03	1.68E-04	6.03E-04	9.07E-05	2.80E-04
5852	437303.8	3762757.09	1.13E-03	3.87E-03	1.76E-04	6.32E-04	9.50E-05	2.93E-04
5853	437303.8	3762766.78	1.17E-03	4.00E-03	1.82E-04	6.54E-04	9.82E-05	3.03E-04
5854	437303.8	3762776.48	1.20E-03	4.09E-03	1.86E-04	6.68E-04	1.00E-04	3.10E-04
5855	437303.8	3762786.17	1.21E-03	4.13E-03	1.88E-04	6.75E-04	1.01E-04	3.13E-04
5856	437303.8	3762795.87	1.21E-03	4.13E-03	1.88E-04	6.75E-04	1.01E-04	3.13E-04
5857	437303.8	3762805.56	1.20E-03	4.09E-03	1.86E-04	6.67E-04	1.00E-04	3.10E-04
5858	437303.8	3762815.26	1.17E-03	3.99E-03	1.82E-04	6.52E-04	9.80E-05	3.03E-04
5859	437303.8	3762824.96	1.13E-03	3.86E-03	1.76E-04	6.30E-04	9.46E-05	2.92E-04
5860	437303.8	3762834.65	1.08E-03	3.68E-03	1.68E-04	6.01E-04	9.03E-05	2.79E-04
5861	437293.8	3762718.3	7.71E-04	2.63E-03	1.20E-04	4.30E-04	6.46E-05	1.99E-04
5862	437293.8	3762728	8.29E-04	2.83E-03	1.29E-04	4.62E-04	6.94E-05	2.14E-04
5863	437293.8	3762737.69	8.83E-04	3.01E-03	1.37E-04	4.92E-04	7.39E-05	2.28E-04
5864	437293.8	3762747.39	9.32E-04	3.18E-03	1.45E-04	5.19E-04	7.80E-05	2.41E-04
5865	437293.8	3762757.09	9.72E-04	3.32E-03	1.51E-04	5.42E-04	8.14E-05	2.51E-04
5866	437293.8	3762766.78	1.00E-03	3.42E-03	1.56E-04	5.59E-04	8.40E-05	2.59E-04
5867	437293.8	3762776.48	1.02E-03	3.49E-03	1.59E-04	5.71E-04	8.57E-05	2.65E-04
5868	437293.8	3762786.17	1.04E-03	3.53E-03	1.61E-04	5.77E-04	8.66E-05	2.67E-04
5869	437293.8	3762795.87	1.04E-03	3.53E-03	1.61E-04	5.77E-04	8.66E-05	2.67E-04
5870	437293.8	3762805.56	1.02E-03	3.49E-03	1.59E-04	5.71E-04	8.57E-05	2.65E-04
5871	437293.8	3762815.26	1.00E-03	3.42E-03	1.56E-04	5.59E-04	8.40E-05	2.59E-04
5872	437293.8	3762824.96	9.73E-04	3.32E-03	1.51E-04	5.42E-04	8.14E-05	2.51E-04

5873	437293.8	3762834.65	9.33E-04	3.18E-03	1.45E-04	5.20E-04	7.81E-05	2.41E-04
5874	437287.12	3762690.85	5.73E-04	1.95E-03	8.90E-05	3.19E-04	4.80E-05	1.48E-04
5875	437283.8	3762718.3	6.84E-04	2.33E-03	1.06E-04	3.81E-04	5.72E-05	1.77E-04
5876	437283.8	3762728	7.29E-04	2.49E-03	1.13E-04	4.06E-04	6.11E-05	1.88E-04
5877	437283.8	3762737.69	7.73E-04	2.64E-03	1.20E-04	4.30E-04	6.47E-05	2.00E-04
5878	437283.8	3762747.39	8.12E-04	2.77E-03	1.26E-04	4.52E-04	6.79E-05	2.10E-04
5879	437283.8	3762757.09	8.44E-04	2.88E-03	1.31E-04	4.70E-04	7.07E-05	2.18E-04
5880	437283.8	3762766.78	8.69E-04	2.96E-03	1.35E-04	4.84E-04	7.27E-05	2.25E-04
5881	437283.8	3762776.48	8.86E-04	3.02E-03	1.38E-04	4.94E-04	7.42E-05	2.29E-04
5882	437283.8	3762786.17	8.95E-04	3.05E-03	1.39E-04	4.98E-04	7.49E-05	2.31E-04
5883	437283.8	3762795.87	8.95E-04	3.05E-03	1.39E-04	4.99E-04	7.49E-05	2.31E-04
5884	437283.8	3762805.56	8.87E-04	3.02E-03	1.38E-04	4.94E-04	7.42E-05	2.29E-04
5885	437283.8	3762815.26	8.71E-04	2.97E-03	1.35E-04	4.85E-04	7.29E-05	2.25E-04
5886	437283.8	3762824.96	8.47E-04	2.89E-03	1.32E-04	4.72E-04	7.09E-05	2.19E-04
5887	437283.8	3762834.65	8.16E-04	2.78E-03	1.27E-04	4.54E-04	6.83E-05	2.11E-04
5888	437283.8	3762844.35	7.78E-04	2.65E-03	1.21E-04	4.33E-04	6.51E-05	2.01E-04
5889	437283.61	3762675.12	4.88E-04	1.66E-03	7.58E-05	2.72E-04	4.08E-05	1.26E-04
5890	437290.15	3762659.26	4.51E-04	1.54E-03	7.01E-05	2.51E-04	3.78E-05	1.17E-04
5891	437296.69	3762643.4	4.14E-04	1.41E-03	6.44E-05	2.31E-04	3.47E-05	1.07E-04
5892	437273.8	3762718.3	6.11E-04	2.08E-03	9.50E-05	3.40E-04	5.12E-05	1.58E-04
5893	437273.8	3762728	6.48E-04	2.21E-03	1.01E-04	3.61E-04	5.43E-05	1.67E-04
5894	437273.8	3762737.69	6.83E-04	2.33E-03	1.06E-04	3.80E-04	5.72E-05	1.76E-04
5895	437273.8	3762747.39	7.14E-04	2.44E-03	1.11E-04	3.98E-04	5.98E-05	1.85E-04
5896	437273.8	3762757.09	7.40E-04	2.52E-03	1.15E-04	4.12E-04	6.20E-05	1.91E-04
5897	437273.8	3762766.78	7.61E-04	2.59E-03	1.18E-04	4.24E-04	6.37E-05	1.97E-04
5898	437273.8	3762776.48	7.75E-04	2.64E-03	1.20E-04	4.32E-04	6.49E-05	2.00E-04
5899	437273.8	3762786.17	7.83E-04	2.67E-03	1.22E-04	4.36E-04	6.55E-05	2.02E-04
5900	437273.8	3762795.87	7.83E-04	2.67E-03	1.22E-04	4.36E-04	6.55E-05	2.02E-04
5901	437273.8	3762805.56	7.77E-04	2.65E-03	1.21E-04	4.33E-04	6.50E-05	2.01E-04
5902	437273.8	3762815.26	7.64E-04	2.61E-03	1.19E-04	4.26E-04	6.39E-05	1.97E-04
5903	437273.8	3762824.96	7.45E-04	2.54E-03	1.16E-04	4.15E-04	6.23E-05	1.92E-04
5904	437273.8	3762834.65	7.20E-04	2.45E-03	1.12E-04	4.01E-04	6.02E-05	1.86E-04
5905	437273.8	3762844.35	6.89E-04	2.35E-03	1.07E-04	3.84E-04	5.76E-05	1.78E-04
5906	437267.43	3762690.1	4.73E-04	1.61E-03	7.35E-05	2.64E-04	3.96E-05	1.22E-04
5907	437263.8	3762718.3	5.50E-04	1.88E-03	8.55E-05	3.06E-04	4.60E-05	1.42E-04
5908	437263.8	3762728	5.80E-04	1.98E-03	9.02E-05	3.23E-04	4.86E-05	1.50E-04
5909	437263.8	3762737.69	6.08E-04	2.07E-03	9.45E-05	3.39E-04	5.09E-05	1.57E-04
5910	437263.8	3762747.39	6.34E-04	2.16E-03	9.85E-05	3.53E-04	5.31E-05	1.64E-04
5911	437263.8	3762757.09	6.55E-04	2.23E-03	1.02E-04	3.65E-04	5.49E-05	1.69E-04
5912	437263.8	3762766.78	6.72E-04	2.29E-03	1.04E-04	3.75E-04	5.63E-05	1.74E-04
5913	437263.8	3762776.48	6.85E-04	2.33E-03	1.06E-04	3.81E-04	5.73E-05	1.77E-04
5914	437263.8	3762786.17	6.91E-04	2.36E-03	1.07E-04	3.85E-04	5.78E-05	1.79E-04
5915	437263.8	3762795.87	6.91E-04	2.36E-03	1.07E-04	3.85E-04	5.79E-05	1.79E-04
5916	437263.8	3762805.56	6.86E-04	2.34E-03	1.07E-04	3.82E-04	5.74E-05	1.77E-04
5917	437263.8	3762815.26	6.76E-04	2.30E-03	1.05E-04	3.77E-04	5.66E-05	1.75E-04
5918	437263.8	3762824.96	6.60E-04	2.25E-03	1.03E-04	3.68E-04	5.53E-05	1.71E-04
5919	437263.8	3762834.65	6.40E-04	2.18E-03	9.94E-05	3.56E-04	5.35E-05	1.65E-04
5920	437263.8	3762844.35	6.14E-04	2.09E-03	9.55E-05	3.42E-04	5.14E-05	1.59E-04
5921	437247.29	3762690.45	3.98E-04	1.36E-03	6.19E-05	2.22E-04	3.33E-05	1.03E-04
5922	437320.86	3762596.62	3.15E-04	1.07E-03	4.89E-05	1.75E-04	2.64E-05	8.14E-05
5923	437346.17	3762585.99	3.18E-04	1.08E-03	4.93E-05	1.77E-04	2.66E-05	8.21E-05
5924	437243.8	3762718.3	4.53E-04	1.54E-03	7.03E-05	2.52E-04	3.79E-05	1.17E-04

5925	437243.8	3762728	4.74E-04	1.62E-03	7.36E-05	2.64E-04	3.96E-05	1.22E-04
5926	437243.8	3762737.69	4.93E-04	1.68E-03	7.66E-05	2.75E-04	4.13E-05	1.27E-04
5927	437243.8	3762747.39	5.10E-04	1.74E-03	7.93E-05	2.84E-04	4.27E-05	1.32E-04
5928	437243.8	3762757.09	5.25E-04	1.79E-03	8.16E-05	2.93E-04	4.40E-05	1.36E-04
5929	437243.8	3762766.78	5.37E-04	1.83E-03	8.35E-05	2.99E-04	4.50E-05	1.39E-04
5930	437243.8	3762776.48	5.46E-04	1.86E-03	8.48E-05	3.04E-04	4.57E-05	1.41E-04
5931	437243.8	3762786.17	5.50E-04	1.88E-03	8.55E-05	3.07E-04	4.61E-05	1.42E-04
5932	437243.8	3762795.87	5.51E-04	1.88E-03	8.56E-05	3.07E-04	4.61E-05	1.42E-04
5933	437243.8	3762805.56	5.48E-04	1.87E-03	8.51E-05	3.05E-04	4.58E-05	1.41E-04
5934	437243.8	3762815.26	5.41E-04	1.84E-03	8.40E-05	3.01E-04	4.52E-05	1.40E-04
5935	437243.8	3762824.96	5.30E-04	1.81E-03	8.23E-05	2.95E-04	4.43E-05	1.37E-04
5936	437243.8	3762834.65	5.15E-04	1.76E-03	8.01E-05	2.87E-04	4.31E-05	1.33E-04
5937	437243.8	3762844.35	4.98E-04	1.70E-03	7.74E-05	2.77E-04	4.17E-05	1.29E-04
5938	437227.19	3762690.69	3.42E-04	1.16E-03	5.31E-05	1.90E-04	2.86E-05	8.83E-05
5939	437305.5	3762583.01	2.63E-04	8.97E-04	4.09E-05	1.47E-04	2.20E-05	6.80E-05
5940	437321.91	3762576.13	2.66E-04	9.06E-04	4.13E-05	1.48E-04	2.22E-05	6.86E-05
5941	437346.51	3762565.8	2.65E-04	9.04E-04	4.12E-05	1.48E-04	2.22E-05	6.85E-05
5942	437223.8	3762718.3	3.79E-04	1.29E-03	5.89E-05	2.11E-04	3.17E-05	9.80E-05
5943	437223.8	3762728	3.94E-04	1.34E-03	6.13E-05	2.20E-04	3.30E-05	1.02E-04
5944	437223.8	3762737.69	4.08E-04	1.39E-03	6.34E-05	2.27E-04	3.42E-05	1.06E-04
5945	437223.8	3762747.39	4.21E-04	1.43E-03	6.54E-05	2.34E-04	3.52E-05	1.09E-04
5946	437223.8	3762757.09	4.31E-04	1.47E-03	6.70E-05	2.40E-04	3.61E-05	1.11E-04
5947	437223.8	3762766.78	4.40E-04	1.50E-03	6.83E-05	2.45E-04	3.68E-05	1.14E-04
5948	437223.8	3762776.48	4.45E-04	1.52E-03	6.92E-05	2.48E-04	3.73E-05	1.15E-04
5949	437223.8	3762786.17	4.49E-04	1.53E-03	6.97E-05	2.50E-04	3.76E-05	1.16E-04
5950	437223.8	3762795.87	4.49E-04	1.53E-03	6.98E-05	2.50E-04	3.76E-05	1.16E-04
5951	437223.8	3762805.56	4.47E-04	1.52E-03	6.95E-05	2.49E-04	3.74E-05	1.16E-04
5952	437223.8	3762815.26	4.42E-04	1.51E-03	6.87E-05	2.46E-04	3.70E-05	1.14E-04
5953	437223.8	3762824.96	4.34E-04	1.48E-03	6.75E-05	2.42E-04	3.64E-05	1.12E-04
5954	437223.8	3762834.65	4.24E-04	1.45E-03	6.59E-05	2.36E-04	3.55E-05	1.10E-04
5955	437223.8	3762844.35	4.12E-04	1.40E-03	6.40E-05	2.29E-04	3.45E-05	1.06E-04
5956	437207.38	3762690.23	2.94E-04	1.00E-03	4.57E-05	1.64E-04	2.46E-05	7.59E-05
5957	437293.57	3762567.97	2.23E-04	7.62E-04	3.47E-05	1.24E-04	1.87E-05	5.77E-05
5958	437319.53	3762557.07	2.26E-04	7.71E-04	3.51E-05	1.26E-04	1.89E-05	5.84E-05
5959	437336.83	3762549.81	2.25E-04	7.68E-04	3.50E-05	1.25E-04	1.88E-05	5.82E-05
5960	437345.49	3762546.18	2.24E-04	7.64E-04	3.48E-05	1.25E-04	1.88E-05	5.79E-05
5961	437203.8	3762718.3	3.22E-04	1.10E-03	5.00E-05	1.79E-04	2.69E-05	8.32E-05
5962	437203.8	3762728	3.33E-04	1.14E-03	5.18E-05	1.86E-04	2.79E-05	8.61E-05
5963	437203.8	3762737.69	3.43E-04	1.17E-03	5.34E-05	1.91E-04	2.87E-05	8.87E-05
5964	437203.8	3762747.39	3.52E-04	1.20E-03	5.48E-05	1.96E-04	2.95E-05	9.11E-05
5965	437203.8	3762757.09	3.60E-04	1.23E-03	5.60E-05	2.01E-04	3.01E-05	9.31E-05
5966	437203.8	3762766.78	3.66E-04	1.25E-03	5.69E-05	2.04E-04	3.07E-05	9.47E-05
5967	437203.8	3762776.48	3.71E-04	1.26E-03	5.76E-05	2.06E-04	3.10E-05	9.58E-05
5968	437203.8	3762786.17	3.73E-04	1.27E-03	5.80E-05	2.08E-04	3.12E-05	9.64E-05
5969	437203.8	3762795.87	3.73E-04	1.27E-03	5.80E-05	2.08E-04	3.13E-05	9.65E-05
5970	437203.8	3762805.56	3.72E-04	1.27E-03	5.78E-05	2.07E-04	3.11E-05	9.60E-05
5971	437203.8	3762815.26	3.68E-04	1.26E-03	5.72E-05	2.05E-04	3.08E-05	9.51E-05
5972	437203.8	3762824.96	3.62E-04	1.24E-03	5.63E-05	2.02E-04	3.03E-05	9.36E-05
5973	437203.8	3762834.65	3.55E-04	1.21E-03	5.52E-05	1.98E-04	2.97E-05	9.17E-05
5974	437203.8	3762844.35	3.46E-04	1.18E-03	5.38E-05	1.93E-04	2.90E-05	8.94E-05
5975	437187.29	3762690.45	2.55E-04	8.71E-04	3.97E-05	1.42E-04	2.14E-05	6.60E-05
5976	437303.61	3762543.7	1.94E-04	6.62E-04	3.02E-05	1.08E-04	1.63E-05	5.02E-05

5977	437320.48	3762536.62	1.94E-04	6.61E-04	3.01E-05	1.08E-04	1.62E-05	5.01E-05
5978	437345.79	3762526	1.91E-04	6.52E-04	2.97E-05	1.07E-04	1.60E-05	4.94E-05
5979	437183.8	3762718.3	2.76E-04	9.42E-04	4.29E-05	1.54E-04	2.31E-05	7.14E-05
5980	437183.8	3762728	2.85E-04	9.72E-04	4.43E-05	1.59E-04	2.38E-05	7.36E-05
5981	437183.8	3762737.69	2.93E-04	9.98E-04	4.55E-05	1.63E-04	2.45E-05	7.56E-05
5982	437183.8	3762747.39	3.00E-04	1.02E-03	4.65E-05	1.67E-04	2.51E-05	7.74E-05
5983	437183.8	3762757.09	3.05E-04	1.04E-03	4.74E-05	1.70E-04	2.56E-05	7.89E-05
5984	437265.87	3762539.49	1.67E-04	5.68E-04	2.59E-05	9.29E-05	1.40E-05	4.31E-05
5985	437274.66	3762535.8	1.68E-04	5.72E-04	2.61E-05	9.34E-05	1.40E-05	4.33E-05
5986	437292.24	3762528.42	1.69E-04	5.76E-04	2.62E-05	9.40E-05	1.41E-05	4.36E-05
5987	437318.6	3762517.36	1.68E-04	5.73E-04	2.61E-05	9.36E-05	1.41E-05	4.34E-05
5988	437336.18	3762509.98	1.66E-04	5.66E-04	2.58E-05	9.25E-05	1.39E-05	4.29E-05
5989	437344.97	3762506.29	1.65E-04	5.62E-04	2.56E-05	9.18E-05	1.38E-05	4.26E-05
5990	437147.35	3762690.29	1.97E-04	6.73E-04	3.07E-05	1.10E-04	1.65E-05	5.10E-05
5991	437250.71	3762525.8	1.46E-04	4.98E-04	2.27E-05	8.13E-05	1.22E-05	3.77E-05
5992	437276.49	3762514.98	1.48E-04	5.05E-04	2.30E-05	8.25E-05	1.24E-05	3.82E-05
5993	437293.67	3762507.77	1.48E-04	5.05E-04	2.30E-05	8.24E-05	1.24E-05	3.82E-05
5994	437319.45	3762496.95	1.46E-04	4.99E-04	2.27E-05	8.15E-05	1.23E-05	3.78E-05
5995	437336.64	3762489.73	1.44E-04	4.93E-04	2.24E-05	8.05E-05	1.21E-05	3.73E-05
5996	437345.23	3762486.13	1.43E-04	4.88E-04	2.23E-05	7.98E-05	1.20E-05	3.70E-05
5997	437143.8	3762698.91	1.99E-04	6.77E-04	3.09E-05	1.11E-04	1.66E-05	5.13E-05
5998	437143.8	3762708.61	2.05E-04	6.97E-04	3.18E-05	1.14E-04	1.71E-05	5.28E-05
5999	437143.8	3762718.3	2.10E-04	7.16E-04	3.26E-05	1.17E-04	1.76E-05	5.43E-05
6000	437143.8	3762728	2.15E-04	7.34E-04	3.35E-05	1.20E-04	1.80E-05	5.56E-05
6001	437143.8	3762737.69	2.20E-04	7.50E-04	3.42E-05	1.23E-04	1.84E-05	5.68E-05
6002	437143.8	3762747.39	2.24E-04	7.64E-04	3.48E-05	1.25E-04	1.88E-05	5.79E-05
6003	437143.8	3762757.09	2.27E-04	7.76E-04	3.53E-05	1.27E-04	1.90E-05	5.88E-05
6004	437143.8	3762766.78	2.30E-04	7.85E-04	3.58E-05	1.28E-04	1.93E-05	5.95E-05
6005	437143.8	3762776.48	2.32E-04	7.91E-04	3.60E-05	1.29E-04	1.94E-05	5.99E-05
6006	437143.8	3762786.17	2.33E-04	7.94E-04	3.62E-05	1.30E-04	1.95E-05	6.02E-05
6007	437143.8	3762795.87	2.33E-04	7.95E-04	3.62E-05	1.30E-04	1.95E-05	6.02E-05
6008	437143.8	3762805.56	2.32E-04	7.92E-04	3.61E-05	1.29E-04	1.94E-05	6.00E-05
6009	437143.8	3762815.26	2.31E-04	7.86E-04	3.58E-05	1.28E-04	1.93E-05	5.96E-05
6010	437143.8	3762824.96	2.28E-04	7.78E-04	3.54E-05	1.27E-04	1.91E-05	5.89E-05
6011	437143.8	3762834.65	2.25E-04	7.66E-04	3.49E-05	1.25E-04	1.88E-05	5.81E-05
6012	437127.47	3762690.01	1.75E-04	5.98E-04	2.73E-05	9.77E-05	1.47E-05	4.53E-05
6013	437237.96	3762511.1	1.29E-04	4.41E-04	2.01E-05	7.20E-05	1.08E-05	3.34E-05
6014	437246.84	3762507.37	1.30E-04	4.43E-04	2.02E-05	7.24E-05	1.09E-05	3.36E-05
6015	437264.6	3762499.92	1.31E-04	4.46E-04	2.03E-05	7.29E-05	1.10E-05	3.38E-05
6016	437291.25	3762488.74	1.31E-04	4.45E-04	2.03E-05	7.28E-05	1.09E-05	3.38E-05
6017	437317.89	3762477.55	1.29E-04	4.39E-04	2.00E-05	7.17E-05	1.08E-05	3.32E-05
6018	437335.65	3762470.1	1.27E-04	4.32E-04	1.97E-05	7.06E-05	1.06E-05	3.27E-05
6019	437344.53	3762466.37	1.25E-04	4.28E-04	1.95E-05	6.99E-05	1.05E-05	3.24E-05
6020	437123.8	3762698.91	1.76E-04	6.01E-04	2.74E-05	9.82E-05	1.48E-05	4.56E-05
6021	437123.8	3762708.61	1.81E-04	6.17E-04	2.81E-05	1.01E-04	1.52E-05	4.68E-05
6022	437123.8	3762718.3	1.86E-04	6.33E-04	2.88E-05	1.03E-04	1.55E-05	4.79E-05
6023	437123.8	3762728	1.90E-04	6.47E-04	2.95E-05	1.06E-04	1.59E-05	4.90E-05
6024	437123.8	3762737.69	1.93E-04	6.59E-04	3.00E-05	1.08E-04	1.62E-05	5.00E-05
6025	437123.8	3762747.39	1.97E-04	6.70E-04	3.05E-05	1.09E-04	1.65E-05	5.08E-05
6026	437123.8	3762757.09	1.99E-04	6.79E-04	3.10E-05	1.11E-04	1.67E-05	5.15E-05
6027	437123.8	3762766.78	2.01E-04	6.86E-04	3.13E-05	1.12E-04	1.68E-05	5.20E-05
6028	437123.8	3762776.48	2.03E-04	6.91E-04	3.15E-05	1.13E-04	1.70E-05	5.24E-05

6029	437123.8	3762786.17	2.03E-04	6.94E-04	3.16E-05	1.13E-04	1.70E-05	5.26E-05
6030	437123.8	3762795.87	2.04E-04	6.94E-04	3.16E-05	1.13E-04	1.70E-05	5.26E-05
6031	437123.8	3762805.56	2.03E-04	6.92E-04	3.15E-05	1.13E-04	1.70E-05	5.24E-05
6032	437123.8	3762815.26	2.02E-04	6.87E-04	3.13E-05	1.12E-04	1.69E-05	5.21E-05
6033	437123.8	3762824.96	1.99E-04	6.80E-04	3.10E-05	1.11E-04	1.67E-05	5.15E-05
6034	437123.8	3762834.65	1.97E-04	6.71E-04	3.06E-05	1.10E-04	1.65E-05	5.09E-05
6035	437107.4	3762690.18	1.57E-04	5.35E-04	2.44E-05	8.74E-05	1.31E-05	4.05E-05
6036	437214.19	3762501.03	1.14E-04	3.90E-04	1.78E-05	6.37E-05	9.57E-06	2.95E-05
6037	437222.9	3762497.37	1.15E-04	3.92E-04	1.79E-05	6.41E-05	9.63E-06	2.97E-05
6038	437249.01	3762486.41	1.17E-04	3.97E-04	1.81E-05	6.49E-05	9.75E-06	3.01E-05
6039	437275.12	3762475.45	1.17E-04	3.97E-04	1.81E-05	6.49E-05	9.76E-06	3.01E-05
6040	437292.53	3762468.14	1.16E-04	3.95E-04	1.80E-05	6.45E-05	9.69E-06	2.99E-05
6041	437318.64	3762457.18	1.14E-04	3.87E-04	1.76E-05	6.32E-05	9.50E-06	2.93E-05
6042	437336.05	3762449.88	1.12E-04	3.81E-04	1.73E-05	6.22E-05	9.34E-06	2.88E-05
6043	437344.75	3762446.22	1.11E-04	3.77E-04	1.72E-05	6.16E-05	9.25E-06	2.86E-05
6044	437103.8	3762698.91	1.58E-04	5.37E-04	2.45E-05	8.78E-05	1.32E-05	4.07E-05
6045	437103.8	3762708.61	1.61E-04	5.51E-04	2.51E-05	8.99E-05	1.35E-05	4.17E-05
6046	437103.8	3762718.3	1.65E-04	5.63E-04	2.56E-05	9.19E-05	1.38E-05	4.26E-05
6047	437103.8	3762728	1.68E-04	5.74E-04	2.62E-05	9.38E-05	1.41E-05	4.35E-05
6048	437103.8	3762737.69	1.71E-04	5.84E-04	2.66E-05	9.54E-05	1.43E-05	4.43E-05
6049	437103.8	3762747.39	1.74E-04	5.93E-04	2.70E-05	9.69E-05	1.46E-05	4.49E-05
6050	437103.8	3762757.09	1.76E-04	6.00E-04	2.73E-05	9.80E-05	1.47E-05	4.55E-05
6051	437103.8	3762766.78	1.78E-04	6.06E-04	2.76E-05	9.89E-05	1.49E-05	4.59E-05
6052	437103.8	3762776.48	1.79E-04	6.09E-04	2.78E-05	9.95E-05	1.50E-05	4.62E-05
6053	437103.8	3762786.17	1.79E-04	6.11E-04	2.79E-05	9.99E-05	1.50E-05	4.63E-05
6054	437103.8	3762795.87	1.79E-04	6.11E-04	2.78E-05	9.98E-05	1.50E-05	4.63E-05
6055	437103.8	3762805.56	1.79E-04	6.09E-04	2.78E-05	9.95E-05	1.50E-05	4.62E-05
6056	437103.8	3762815.26	1.78E-04	6.05E-04	2.76E-05	9.89E-05	1.49E-05	4.59E-05
6057	437103.8	3762824.96	1.76E-04	6.00E-04	2.73E-05	9.80E-05	1.47E-05	4.55E-05
6058	437103.8	3762834.65	1.74E-04	5.93E-04	2.70E-05	9.68E-05	1.45E-05	4.49E-05
6059	437087.34	3762690.33	1.41E-04	4.81E-04	2.19E-05	7.86E-05	1.18E-05	3.65E-05
6060	437199.42	3762487.17	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.64E-05
6061	437207.98	3762483.58	1.03E-04	3.51E-04	1.60E-05	5.74E-05	8.62E-06	2.66E-05
6062	437233.66	3762472.8	1.04E-04	3.56E-04	1.62E-05	5.81E-05	8.73E-06	2.70E-05
6063	437250.77	3762465.62	1.05E-04	3.57E-04	1.62E-05	5.82E-05	8.75E-06	2.70E-05
6064	437267.89	3762458.43	1.04E-04	3.56E-04	1.62E-05	5.81E-05	8.73E-06	2.70E-05
6065	437276.45	3762454.84	1.04E-04	3.55E-04	1.62E-05	5.80E-05	8.71E-06	2.69E-05
6066	437293.57	3762447.66	1.03E-04	3.51E-04	1.60E-05	5.74E-05	8.62E-06	2.66E-05
6067	437310.69	3762440.47	1.02E-04	3.46E-04	1.58E-05	5.66E-05	8.50E-06	2.63E-05
6068	437336.36	3762429.69	9.90E-05	3.38E-04	1.54E-05	5.51E-05	8.29E-06	2.56E-05
6069	437353.48	3762422.51	9.70E-05	3.31E-04	1.51E-05	5.41E-05	8.12E-06	2.51E-05
6070	437083.8	3762698.91	1.42E-04	4.83E-04	2.20E-05	7.89E-05	1.18E-05	3.66E-05
6071	437083.8	3762708.61	1.45E-04	4.94E-04	2.25E-05	8.07E-05	1.21E-05	3.74E-05
6072	437083.8	3762718.3	1.48E-04	5.04E-04	2.30E-05	8.23E-05	1.24E-05	3.82E-05
6073	437083.8	3762728	1.50E-04	5.13E-04	2.34E-05	8.38E-05	1.26E-05	3.89E-05
6074	437083.8	3762737.69	1.53E-04	5.21E-04	2.38E-05	8.52E-05	1.28E-05	3.95E-05
6075	437083.8	3762747.39	1.55E-04	5.28E-04	2.41E-05	8.63E-05	1.30E-05	4.00E-05
6076	437083.8	3762757.09	1.57E-04	5.34E-04	2.43E-05	8.72E-05	1.31E-05	4.05E-05
6077	437083.8	3762766.78	1.58E-04	5.38E-04	2.45E-05	8.80E-05	1.32E-05	4.08E-05
6078	437083.8	3762776.48	1.59E-04	5.41E-04	2.47E-05	8.84E-05	1.33E-05	4.10E-05
6079	437083.8	3762786.17	1.59E-04	5.43E-04	2.47E-05	8.87E-05	1.33E-05	4.11E-05
6080	437083.8	3762795.87	1.59E-04	5.43E-04	2.47E-05	8.87E-05	1.33E-05	4.11E-05

6081	437083.8	3762805.56	1.59E-04	5.41E-04	2.47E-05	8.84E-05	1.33E-05	4.10E-05
6082	437083.8	3762815.26	1.58E-04	5.38E-04	2.45E-05	8.79E-05	1.32E-05	4.08E-05
6083	437083.8	3762824.96	1.57E-04	5.34E-04	2.43E-05	8.72E-05	1.31E-05	4.04E-05
6084	437083.8	3762834.65	1.55E-04	5.28E-04	2.41E-05	8.63E-05	1.30E-05	4.00E-05
6085	437074.7	3762672.48	1.26E-04	4.31E-04	1.96E-05	7.04E-05	1.06E-05	3.26E-05
6086	437078.33	3762663.67	1.25E-04	4.28E-04	1.95E-05	6.99E-05	1.05E-05	3.24E-05
6087	437081.97	3762654.86	1.24E-04	4.24E-04	1.93E-05	6.93E-05	1.04E-05	3.21E-05
6088	437085.6	3762646.04	1.23E-04	4.20E-04	1.91E-05	6.86E-05	1.03E-05	3.18E-05
6089	437089.23	3762637.23	1.22E-04	4.15E-04	1.89E-05	6.78E-05	1.02E-05	3.14E-05
6090	437092.87	3762628.42	1.20E-04	4.10E-04	1.87E-05	6.70E-05	1.01E-05	3.11E-05
6091	437096.5	3762619.61	1.19E-04	4.05E-04	1.84E-05	6.61E-05	9.94E-06	3.07E-05
6092	437100.13	3762610.8	1.17E-04	3.99E-04	1.82E-05	6.52E-05	9.80E-06	3.03E-05
6093	437103.77	3762601.99	1.15E-04	3.93E-04	1.79E-05	6.43E-05	9.66E-06	2.98E-05
6094	437107.4	3762593.18	1.14E-04	3.87E-04	1.76E-05	6.32E-05	9.50E-06	2.93E-05
6095	437114.67	3762575.56	1.10E-04	3.74E-04	1.71E-05	6.12E-05	9.19E-06	2.84E-05
6096	437118.3	3762566.75	1.08E-04	3.68E-04	1.68E-05	6.01E-05	9.03E-06	2.79E-05
6097	437121.93	3762557.93	1.06E-04	3.61E-04	1.65E-05	5.90E-05	8.87E-06	2.74E-05
6098	437125.57	3762549.12	1.04E-04	3.54E-04	1.61E-05	5.79E-05	8.70E-06	2.69E-05
6099	437132.83	3762531.5	9.98E-05	3.40E-04	1.55E-05	5.56E-05	8.35E-06	2.58E-05
6100	437136.47	3762522.69	9.77E-05	3.33E-04	1.52E-05	5.44E-05	8.18E-06	2.52E-05
6101	437140.1	3762513.88	9.55E-05	3.26E-04	1.48E-05	5.32E-05	8.00E-06	2.47E-05
6102	437143.73	3762505.07	9.33E-05	3.18E-04	1.45E-05	5.20E-05	7.81E-06	2.41E-05
6103	437186.15	3762472.69	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.73E-06	2.39E-05
6104	437194.94	3762469	9.29E-05	3.17E-04	1.44E-05	5.18E-05	7.78E-06	2.40E-05
6105	437203.73	3762465.31	9.34E-05	3.19E-04	1.45E-05	5.20E-05	7.82E-06	2.41E-05
6106	437221.3	3762457.94	9.41E-05	3.21E-04	1.46E-05	5.24E-05	7.87E-06	2.43E-05
6107	437238.88	3762450.56	9.42E-05	3.21E-04	1.46E-05	5.25E-05	7.89E-06	2.43E-05
6108	437247.67	3762446.87	9.42E-05	3.21E-04	1.46E-05	5.25E-05	7.88E-06	2.43E-05
6109	437265.24	3762439.49	9.38E-05	3.20E-04	1.46E-05	5.22E-05	7.85E-06	2.42E-05
6110	437282.82	3762432.11	9.29E-05	3.17E-04	1.44E-05	5.18E-05	7.78E-06	2.40E-05
6111	437291.61	3762428.43	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.73E-06	2.39E-05
6112	437309.18	3762421.05	9.09E-05	3.10E-04	1.41E-05	5.06E-05	7.61E-06	2.35E-05
6113	437326.76	3762413.67	8.93E-05	3.04E-04	1.39E-05	4.97E-05	7.47E-06	2.31E-05
6114	437335.55	3762409.98	8.84E-05	3.01E-04	1.37E-05	4.92E-05	7.40E-06	2.28E-05
6115	437353.12	3762402.6	8.66E-05	2.95E-04	1.35E-05	4.82E-05	7.25E-06	2.24E-05
6116	437063.8	3762708.61	1.30E-04	4.45E-04	2.03E-05	7.27E-05	1.09E-05	3.37E-05
6117	437063.8	3762718.3	1.33E-04	4.53E-04	2.07E-05	7.41E-05	1.11E-05	3.44E-05
6118	437063.8	3762728	1.35E-04	4.61E-04	2.10E-05	7.53E-05	1.13E-05	3.49E-05
6119	437063.8	3762737.69	1.37E-04	4.68E-04	2.13E-05	7.64E-05	1.15E-05	3.55E-05
6120	437063.8	3762747.39	1.39E-04	4.74E-04	2.16E-05	7.74E-05	1.16E-05	3.59E-05
6121	437063.8	3762757.09	1.40E-04	4.78E-04	2.18E-05	7.81E-05	1.17E-05	3.62E-05
6122	437063.8	3762766.78	1.41E-04	4.82E-04	2.20E-05	7.87E-05	1.18E-05	3.65E-05
6123	437063.8	3762776.48	1.42E-04	4.84E-04	2.21E-05	7.91E-05	1.19E-05	3.67E-05
6124	437063.8	3762786.17	1.42E-04	4.85E-04	2.21E-05	7.93E-05	1.19E-05	3.68E-05
6125	437063.8	3762795.87	1.42E-04	4.85E-04	2.21E-05	7.93E-05	1.19E-05	3.68E-05
6126	437063.8	3762805.56	1.42E-04	4.84E-04	2.20E-05	7.90E-05	1.19E-05	3.67E-05
6127	437063.8	3762815.26	1.41E-04	4.81E-04	2.19E-05	7.86E-05	1.18E-05	3.65E-05
6128	437063.8	3762824.96	1.40E-04	4.78E-04	2.18E-05	7.80E-05	1.17E-05	3.62E-05
6129	437063.8	3762834.65	1.39E-04	4.73E-04	2.16E-05	7.73E-05	1.16E-05	3.58E-05
6130	437063.8	3762844.35	1.37E-04	4.67E-04	2.13E-05	7.64E-05	1.15E-05	3.54E-05
6131	437044.87	3762672.07	1.10E-04	3.74E-04	1.71E-05	6.12E-05	9.19E-06	2.84E-05
6132	437048.56	3762663.12	1.09E-04	3.72E-04	1.70E-05	6.08E-05	9.13E-06	2.82E-05

6133	437052.25	3762654.18	1.08E-04	3.69E-04	1.68E-05	6.03E-05	9.07E-06	2.80E-05
6134	437055.94	3762645.23	1.07E-04	3.66E-04	1.67E-05	5.98E-05	8.99E-06	2.77E-05
6135	437059.62	3762636.28	1.06E-04	3.63E-04	1.65E-05	5.92E-05	8.90E-06	2.75E-05
6136	437067	3762618.39	1.04E-04	3.55E-04	1.62E-05	5.79E-05	8.70E-06	2.69E-05
6137	437070.69	3762609.44	1.03E-04	3.50E-04	1.60E-05	5.72E-05	8.60E-06	2.65E-05
6138	437074.38	3762600.5	1.01E-04	3.46E-04	1.58E-05	5.65E-05	8.49E-06	2.62E-05
6139	437078.07	3762591.55	9.99E-05	3.41E-04	1.55E-05	5.57E-05	8.36E-06	2.58E-05
6140	437081.76	3762582.61	9.84E-05	3.36E-04	1.53E-05	5.48E-05	8.24E-06	2.54E-05
6141	437085.45	3762573.66	9.68E-05	3.30E-04	1.50E-05	5.39E-05	8.10E-06	2.50E-05
6142	437089.14	3762564.71	9.53E-05	3.25E-04	1.48E-05	5.31E-05	7.98E-06	2.46E-05
6143	437096.52	3762546.82	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.73E-06	2.38E-05
6144	437100.21	3762537.87	9.07E-05	3.09E-04	1.41E-05	5.05E-05	7.60E-06	2.34E-05
6145	437103.9	3762528.93	8.91E-05	3.04E-04	1.38E-05	4.96E-05	7.46E-06	2.30E-05
6146	437107.59	3762519.98	8.74E-05	2.98E-04	1.36E-05	4.87E-05	7.32E-06	2.26E-05
6147	437114.96	3762502.09	8.40E-05	2.87E-04	1.31E-05	4.68E-05	7.03E-06	2.17E-05
6148	437118.65	3762493.14	8.23E-05	2.81E-04	1.28E-05	4.58E-05	6.89E-06	2.13E-05
6149	437183.26	3762443.83	8.09E-05	2.76E-04	1.26E-05	4.50E-05	6.77E-06	2.09E-05
6150	437192.18	3762440.08	8.12E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
6151	437201.11	3762436.34	8.14E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.10E-05
6152	437210.03	3762432.59	8.16E-05	2.78E-04	1.27E-05	4.55E-05	6.83E-06	2.11E-05
6153	437218.95	3762428.85	8.17E-05	2.78E-04	1.27E-05	4.55E-05	6.84E-06	2.11E-05
6154	437227.88	3762425.1	8.16E-05	2.78E-04	1.27E-05	4.55E-05	6.83E-06	2.11E-05
6155	437236.8	3762421.35	8.14E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.10E-05
6156	437245.72	3762417.61	8.12E-05	2.77E-04	1.26E-05	4.52E-05	6.80E-06	2.10E-05
6157	437254.65	3762413.86	8.09E-05	2.76E-04	1.26E-05	4.50E-05	6.77E-06	2.09E-05
6158	437263.57	3762410.12	8.05E-05	2.74E-04	1.25E-05	4.48E-05	6.74E-06	2.08E-05
6159	437272.49	3762406.37	8.00E-05	2.73E-04	1.24E-05	4.46E-05	6.70E-06	2.07E-05
6160	437281.41	3762402.63	7.95E-05	2.71E-04	1.24E-05	4.43E-05	6.65E-06	2.05E-05
6161	437290.34	3762398.88	7.89E-05	2.69E-04	1.23E-05	4.39E-05	6.60E-06	2.04E-05
6162	437299.26	3762395.14	7.83E-05	2.67E-04	1.22E-05	4.36E-05	6.55E-06	2.02E-05
6163	437308.18	3762391.39	7.76E-05	2.64E-04	1.21E-05	4.32E-05	6.49E-06	2.00E-05
6164	437317.11	3762387.64	7.68E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.99E-05
6165	437326.03	3762383.9	7.61E-05	2.59E-04	1.18E-05	4.24E-05	6.37E-06	1.97E-05
6166	437334.95	3762380.15	7.53E-05	2.57E-04	1.17E-05	4.19E-05	6.30E-06	1.95E-05
6167	437343.88	3762376.41	7.45E-05	2.54E-04	1.16E-05	4.15E-05	6.24E-06	1.93E-05
6168	437352.8	3762372.66	7.38E-05	2.52E-04	1.15E-05	4.11E-05	6.17E-06	1.91E-05
6169	437033.8	3762708.61	1.13E-04	3.85E-04	1.75E-05	6.28E-05	9.44E-06	2.91E-05
6170	437033.8	3762718.3	1.15E-04	3.91E-04	1.78E-05	6.39E-05	9.60E-06	2.96E-05
6171	437033.8	3762728	1.16E-04	3.97E-04	1.81E-05	6.48E-05	9.74E-06	3.01E-05
6172	437033.8	3762737.69	1.18E-04	4.02E-04	1.83E-05	6.57E-05	9.87E-06	3.05E-05
6173	437033.8	3762747.39	1.19E-04	4.06E-04	1.85E-05	6.64E-05	9.97E-06	3.08E-05
6174	437033.8	3762757.09	1.20E-04	4.10E-04	1.87E-05	6.69E-05	1.01E-05	3.10E-05
6175	437033.8	3762766.78	1.21E-04	4.12E-04	1.88E-05	6.74E-05	1.01E-05	3.12E-05
6176	437033.8	3762776.48	1.21E-04	4.14E-04	1.89E-05	6.76E-05	1.02E-05	3.14E-05
6177	437033.8	3762786.17	1.22E-04	4.15E-04	1.89E-05	6.77E-05	1.02E-05	3.14E-05
6178	437033.8	3762795.87	1.22E-04	4.14E-04	1.89E-05	6.77E-05	1.02E-05	3.14E-05
6179	437033.8	3762805.56	1.21E-04	4.13E-04	1.88E-05	6.75E-05	1.01E-05	3.13E-05
6180	437033.8	3762815.26	1.21E-04	4.11E-04	1.87E-05	6.72E-05	1.01E-05	3.12E-05
6181	437033.8	3762824.96	1.20E-04	4.09E-04	1.86E-05	6.67E-05	1.00E-05	3.10E-05
6182	437033.8	3762834.65	1.19E-04	4.05E-04	1.85E-05	6.62E-05	9.94E-06	3.07E-05
6183	437033.8	3762844.35	1.18E-04	4.01E-04	1.83E-05	6.55E-05	9.84E-06	3.04E-05
6184	437014.62	3762672.66	9.63E-05	3.29E-04	1.50E-05	5.37E-05	8.06E-06	2.49E-05

6185	437018.23	3762663.91	9.59E-05	3.27E-04	1.49E-05	5.34E-05	8.03E-06	2.48E-05
6186	437021.84	3762655.16	9.53E-05	3.25E-04	1.48E-05	5.31E-05	7.98E-06	2.46E-05
6187	437025.45	3762646.41	9.47E-05	3.23E-04	1.47E-05	5.27E-05	7.92E-06	2.45E-05
6188	437029.06	3762637.66	9.39E-05	3.20E-04	1.46E-05	5.23E-05	7.86E-06	2.43E-05
6189	437032.67	3762628.91	9.31E-05	3.17E-04	1.45E-05	5.19E-05	7.79E-06	2.41E-05
6190	437036.27	3762620.16	9.22E-05	3.14E-04	1.43E-05	5.14E-05	7.72E-06	2.38E-05
6191	437039.88	3762611.41	9.13E-05	3.11E-04	1.42E-05	5.08E-05	7.64E-06	2.36E-05
6192	437043.49	3762602.66	9.02E-05	3.08E-04	1.40E-05	5.03E-05	7.55E-06	2.33E-05
6193	437047.1	3762593.91	8.91E-05	3.04E-04	1.38E-05	4.96E-05	7.46E-06	2.30E-05
6194	437050.71	3762585.16	8.78E-05	2.99E-04	1.36E-05	4.89E-05	7.35E-06	2.27E-05
6195	437054.32	3762576.41	8.65E-05	2.95E-04	1.34E-05	4.82E-05	7.24E-06	2.24E-05
6196	437057.92	3762567.66	8.52E-05	2.91E-04	1.32E-05	4.75E-05	7.14E-06	2.20E-05
6197	437061.53	3762558.91	8.41E-05	2.87E-04	1.31E-05	4.68E-05	7.04E-06	2.17E-05
6198	437065.14	3762550.16	8.29E-05	2.83E-04	1.29E-05	4.62E-05	6.94E-06	2.14E-05
6199	437072.36	3762532.66	8.05E-05	2.75E-04	1.25E-05	4.49E-05	6.74E-06	2.08E-05
6200	437075.97	3762523.91	7.93E-05	2.71E-04	1.23E-05	4.42E-05	6.64E-06	2.05E-05
6201	437079.57	3762515.16	7.81E-05	2.66E-04	1.21E-05	4.35E-05	6.54E-06	2.02E-05
6202	437083.18	3762506.41	7.69E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.99E-05
6203	437090.4	3762488.91	7.42E-05	2.53E-04	1.15E-05	4.13E-05	6.21E-06	1.92E-05
6204	437117.17	3762441.49	6.82E-05	2.33E-04	1.06E-05	3.80E-05	5.71E-06	1.76E-05
6205	437143.35	3762430.5	6.99E-05	2.38E-04	1.09E-05	3.89E-05	5.85E-06	1.81E-05
6206	437178.26	3762415.85	7.12E-05	2.43E-04	1.11E-05	3.96E-05	5.96E-06	1.84E-05
6207	437186.99	3762412.18	7.13E-05	2.43E-04	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6208	437195.71	3762408.52	7.13E-05	2.43E-04	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6209	437204.44	3762404.86	7.13E-05	2.43E-04	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6210	437213.17	3762401.19	7.13E-05	2.43E-04	1.11E-05	3.97E-05	5.96E-06	1.84E-05
6211	437221.9	3762397.53	7.11E-05	2.42E-04	1.10E-05	3.96E-05	5.95E-06	1.84E-05
6212	437230.62	3762393.87	7.09E-05	2.42E-04	1.10E-05	3.95E-05	5.93E-06	1.83E-05
6213	437239.35	3762390.2	7.06E-05	2.41E-04	1.10E-05	3.93E-05	5.91E-06	1.82E-05
6214	437248.08	3762386.54	7.03E-05	2.40E-04	1.09E-05	3.91E-05	5.88E-06	1.82E-05
6215	437256.81	3762382.88	6.99E-05	2.38E-04	1.09E-05	3.89E-05	5.85E-06	1.81E-05
6216	437265.53	3762379.21	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
6217	437274.26	3762375.55	6.90E-05	2.35E-04	1.07E-05	3.84E-05	5.77E-06	1.78E-05
6218	437282.99	3762371.89	6.84E-05	2.33E-04	1.06E-05	3.81E-05	5.73E-06	1.77E-05
6219	437291.72	3762368.22	6.79E-05	2.31E-04	1.05E-05	3.78E-05	5.68E-06	1.75E-05
6220	437300.44	3762364.56	6.73E-05	2.29E-04	1.05E-05	3.75E-05	5.63E-06	1.74E-05
6221	437309.17	3762360.9	6.67E-05	2.27E-04	1.04E-05	3.71E-05	5.58E-06	1.72E-05
6222	437317.9	3762357.23	6.60E-05	2.25E-04	1.03E-05	3.68E-05	5.53E-06	1.71E-05
6223	437326.62	3762353.57	6.54E-05	2.23E-04	1.02E-05	3.64E-05	5.47E-06	1.69E-05
6224	437335.35	3762349.91	6.48E-05	2.21E-04	1.01E-05	3.61E-05	5.42E-06	1.67E-05
6225	437344.08	3762346.24	6.41E-05	2.19E-04	9.96E-06	3.57E-05	5.37E-06	1.66E-05
6226	437352.81	3762342.58	6.35E-05	2.17E-04	9.87E-06	3.54E-05	5.32E-06	1.64E-05
6227	437003.8	3762708.61	9.85E-05	3.36E-04	1.53E-05	5.49E-05	8.24E-06	2.55E-05
6228	437003.8	3762718.3	9.99E-05	3.41E-04	1.55E-05	5.57E-05	8.37E-06	2.58E-05
6229	437003.8	3762728	1.01E-04	3.45E-04	1.57E-05	5.64E-05	8.47E-06	2.62E-05
6230	437003.8	3762737.69	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.65E-05
6231	437003.8	3762747.39	1.03E-04	3.52E-04	1.61E-05	5.76E-05	8.65E-06	2.67E-05
6232	437003.8	3762757.09	1.04E-04	3.55E-04	1.62E-05	5.80E-05	8.71E-06	2.69E-05
6233	437003.8	3762766.78	1.05E-04	3.57E-04	1.63E-05	5.83E-05	8.76E-06	2.70E-05
6234	437003.8	3762776.48	1.05E-04	3.58E-04	1.63E-05	5.85E-05	8.79E-06	2.71E-05
6235	437003.8	3762786.17	1.05E-04	3.58E-04	1.63E-05	5.85E-05	8.80E-06	2.72E-05
6236	437003.8	3762795.87	1.05E-04	3.58E-04	1.63E-05	5.85E-05	8.79E-06	2.71E-05

6237	437003.8	3762805.56	1.05E-04	3.57E-04	1.63E-05	5.83E-05	8.77E-06	2.71E-05
6238	437003.8	3762815.26	1.04E-04	3.56E-04	1.62E-05	5.81E-05	8.73E-06	2.69E-05
6239	437003.8	3762824.96	1.04E-04	3.53E-04	1.61E-05	5.77E-05	8.67E-06	2.68E-05
6240	437003.8	3762834.65	1.03E-04	3.51E-04	1.60E-05	5.73E-05	8.60E-06	2.66E-05
6241	437003.8	3762844.35	1.02E-04	3.47E-04	1.58E-05	5.67E-05	8.52E-06	2.63E-05
6242	436984.77	3762672.31	8.53E-05	2.91E-04	1.32E-05	4.75E-05	7.14E-06	2.20E-05
6243	436988.43	3762663.44	8.49E-05	2.90E-04	1.32E-05	4.73E-05	7.11E-06	2.19E-05
6244	436992.08	3762654.57	8.45E-05	2.88E-04	1.31E-05	4.71E-05	7.07E-06	2.18E-05
6245	436995.74	3762645.7	8.40E-05	2.86E-04	1.30E-05	4.68E-05	7.03E-06	2.17E-05
6246	436999.4	3762636.84	8.34E-05	2.84E-04	1.30E-05	4.64E-05	6.98E-06	2.15E-05
6247	437003.05	3762627.97	8.27E-05	2.82E-04	1.28E-05	4.61E-05	6.92E-06	2.14E-05
6248	437006.71	3762619.1	8.20E-05	2.79E-04	1.27E-05	4.57E-05	6.86E-06	2.12E-05
6249	437010.37	3762610.23	8.12E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
6250	437014.03	3762601.36	8.04E-05	2.74E-04	1.25E-05	4.48E-05	6.73E-06	2.08E-05
6251	437017.68	3762592.5	7.95E-05	2.71E-04	1.23E-05	4.43E-05	6.65E-06	2.05E-05
6252	437021.34	3762583.63	7.85E-05	2.68E-04	1.22E-05	4.37E-05	6.57E-06	2.03E-05
6253	437025	3762574.76	7.74E-05	2.64E-04	1.20E-05	4.31E-05	6.48E-06	2.00E-05
6254	437028.65	3762565.89	7.63E-05	2.60E-04	1.19E-05	4.25E-05	6.39E-06	1.97E-05
6255	437032.31	3762557.02	7.53E-05	2.57E-04	1.17E-05	4.19E-05	6.30E-06	1.95E-05
6256	437035.97	3762548.16	7.43E-05	2.53E-04	1.15E-05	4.14E-05	6.22E-06	1.92E-05
6257	437039.62	3762539.29	7.33E-05	2.50E-04	1.14E-05	4.08E-05	6.13E-06	1.89E-05
6258	437043.28	3762530.42	7.23E-05	2.47E-04	1.12E-05	4.03E-05	6.05E-06	1.87E-05
6259	437046.94	3762521.55	7.13E-05	2.43E-04	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6260	437050.59	3762512.69	7.04E-05	2.40E-04	1.09E-05	3.92E-05	5.89E-06	1.82E-05
6261	437054.25	3762503.82	6.93E-05	2.36E-04	1.08E-05	3.86E-05	5.80E-06	1.79E-05
6262	437057.91	3762494.95	6.83E-05	2.33E-04	1.06E-05	3.80E-05	5.72E-06	1.76E-05
6263	437076.19	3762450.61	6.28E-05	2.14E-04	9.76E-06	3.50E-05	5.26E-06	1.62E-05
6264	437079.85	3762441.74	6.18E-05	2.11E-04	9.60E-06	3.44E-05	5.17E-06	1.60E-05
6265	437083.5	3762432.88	6.07E-05	2.07E-04	9.43E-06	3.38E-05	5.08E-06	1.57E-05
6266	437096.01	3762420.3	6.02E-05	2.05E-04	9.35E-06	3.35E-05	5.04E-06	1.56E-05
6267	437131.38	3762405.44	6.20E-05	2.11E-04	9.63E-06	3.45E-05	5.19E-06	1.60E-05
6268	437140.23	3762401.73	6.23E-05	2.12E-04	9.67E-06	3.47E-05	5.21E-06	1.61E-05
6269	437149.07	3762398.02	6.25E-05	2.13E-04	9.71E-06	3.48E-05	5.23E-06	1.61E-05
6270	437184.45	3762383.17	6.29E-05	2.14E-04	9.77E-06	3.50E-05	5.26E-06	1.62E-05
6271	437193.3	3762379.46	6.28E-05	2.14E-04	9.76E-06	3.50E-05	5.26E-06	1.62E-05
6272	437202.14	3762375.74	6.27E-05	2.14E-04	9.74E-06	3.49E-05	5.25E-06	1.62E-05
6273	437210.99	3762372.03	6.25E-05	2.13E-04	9.72E-06	3.48E-05	5.23E-06	1.62E-05
6274	437219.83	3762368.32	6.23E-05	2.13E-04	9.68E-06	3.47E-05	5.22E-06	1.61E-05
6275	437228.68	3762364.61	6.21E-05	2.12E-04	9.64E-06	3.46E-05	5.19E-06	1.60E-05
6276	437237.52	3762360.89	6.17E-05	2.10E-04	9.59E-06	3.44E-05	5.16E-06	1.59E-05
6277	437246.36	3762357.18	6.14E-05	2.09E-04	9.53E-06	3.42E-05	5.14E-06	1.59E-05
6278	437255.21	3762353.47	6.10E-05	2.08E-04	9.47E-06	3.40E-05	5.10E-06	1.58E-05
6279	437264.05	3762349.76	6.05E-05	2.06E-04	9.41E-06	3.37E-05	5.07E-06	1.56E-05
6280	437272.9	3762346.04	6.01E-05	2.05E-04	9.33E-06	3.35E-05	5.03E-06	1.55E-05
6281	437281.74	3762342.33	5.96E-05	2.03E-04	9.26E-06	3.32E-05	4.99E-06	1.54E-05
6282	437290.59	3762338.62	5.90E-05	2.01E-04	9.18E-06	3.29E-05	4.94E-06	1.53E-05
6283	437299.43	3762334.91	5.85E-05	2.00E-04	9.09E-06	3.26E-05	4.90E-06	1.51E-05
6284	437308.28	3762331.19	5.80E-05	1.98E-04	9.01E-06	3.23E-05	4.85E-06	1.50E-05
6285	437317.12	3762327.48	5.74E-05	1.96E-04	8.92E-06	3.20E-05	4.81E-06	1.48E-05
6286	437325.97	3762323.77	5.69E-05	1.94E-04	8.83E-06	3.17E-05	4.76E-06	1.47E-05
6287	437334.81	3762320.06	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.71E-06	1.45E-05
6288	437343.66	3762316.34	5.58E-05	1.90E-04	8.66E-06	3.11E-05	4.67E-06	1.44E-05

6289	437352.5	3762312.63	5.52E-05	1.88E-04	8.58E-06	3.08E-05	4.62E-06	1.43E-05
6290	436973.8	3762708.61	8.68E-05	2.96E-04	1.35E-05	4.83E-05	7.26E-06	2.24E-05
6291	436973.8	3762718.3	8.79E-05	3.00E-04	1.37E-05	4.90E-05	7.36E-06	2.27E-05
6292	436973.8	3762728	8.89E-05	3.03E-04	1.38E-05	4.95E-05	7.44E-06	2.30E-05
6293	436973.8	3762737.69	8.98E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
6294	436973.8	3762747.39	9.05E-05	3.09E-04	1.41E-05	5.04E-05	7.57E-06	2.34E-05
6295	436973.8	3762757.09	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
6296	436973.8	3762766.78	9.14E-05	3.12E-04	1.42E-05	5.09E-05	7.65E-06	2.36E-05
6297	436973.8	3762776.48	9.17E-05	3.13E-04	1.42E-05	5.11E-05	7.67E-06	2.37E-05
6298	436973.8	3762786.17	9.18E-05	3.13E-04	1.43E-05	5.11E-05	7.68E-06	2.37E-05
6299	436973.8	3762795.87	9.17E-05	3.13E-04	1.42E-05	5.11E-05	7.67E-06	2.37E-05
6300	436973.8	3762805.56	9.15E-05	3.12E-04	1.42E-05	5.09E-05	7.65E-06	2.36E-05
6301	436973.8	3762815.26	9.11E-05	3.11E-04	1.42E-05	5.07E-05	7.62E-06	2.35E-05
6302	436973.8	3762824.96	9.05E-05	3.09E-04	1.41E-05	5.04E-05	7.58E-06	2.34E-05
6303	436973.8	3762834.65	8.99E-05	3.06E-04	1.40E-05	5.01E-05	7.52E-06	2.32E-05
6304	436973.8	3762844.35	8.91E-05	3.04E-04	1.38E-05	4.96E-05	7.46E-06	2.30E-05
6305	436954.57	3762672.79	7.60E-05	2.59E-04	1.18E-05	4.23E-05	6.36E-06	1.96E-05
6306	436958.16	3762664.08	7.58E-05	2.59E-04	1.18E-05	4.22E-05	6.35E-06	1.96E-05
6307	436961.75	3762655.37	7.55E-05	2.58E-04	1.17E-05	4.21E-05	6.32E-06	1.95E-05
6308	436965.34	3762646.67	7.52E-05	2.56E-04	1.17E-05	4.19E-05	6.29E-06	1.94E-05
6309	436968.93	3762637.96	7.47E-05	2.55E-04	1.16E-05	4.16E-05	6.25E-06	1.93E-05
6310	436972.53	3762629.25	7.42E-05	2.53E-04	1.15E-05	4.13E-05	6.21E-06	1.92E-05
6311	436976.12	3762620.54	7.37E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
6312	436979.71	3762611.84	7.30E-05	2.49E-04	1.13E-05	4.07E-05	6.11E-06	1.89E-05
6313	436983.3	3762603.13	7.24E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
6314	436986.89	3762594.42	7.17E-05	2.44E-04	1.11E-05	3.99E-05	6.00E-06	1.85E-05
6315	436990.48	3762585.71	7.09E-05	2.42E-04	1.10E-05	3.95E-05	5.94E-06	1.83E-05
6316	436994.07	3762577.01	7.02E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
6317	436997.66	3762568.3	6.94E-05	2.36E-04	1.08E-05	3.86E-05	5.80E-06	1.79E-05
6318	437001.25	3762559.59	6.85E-05	2.34E-04	1.06E-05	3.82E-05	5.73E-06	1.77E-05
6319	437004.84	3762550.89	6.76E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05
6320	437008.43	3762542.18	6.67E-05	2.28E-04	1.04E-05	3.72E-05	5.58E-06	1.72E-05
6321	437012.02	3762533.47	6.59E-05	2.25E-04	1.02E-05	3.67E-05	5.52E-06	1.70E-05
6322	437015.61	3762524.76	6.51E-05	2.22E-04	1.01E-05	3.63E-05	5.45E-06	1.68E-05
6323	437019.2	3762516.06	6.43E-05	2.19E-04	9.99E-06	3.58E-05	5.38E-06	1.66E-05
6324	437022.79	3762507.35	6.34E-05	2.16E-04	9.86E-06	3.53E-05	5.31E-06	1.64E-05
6325	437029.98	3762489.93	6.17E-05	2.11E-04	9.59E-06	3.44E-05	5.17E-06	1.60E-05
6326	437047.93	3762446.4	5.73E-05	1.96E-04	8.91E-06	3.19E-05	4.80E-06	1.48E-05
6327	437051.52	3762437.69	5.65E-05	1.93E-04	8.78E-06	3.15E-05	4.73E-06	1.46E-05
6328	437055.11	3762428.98	5.57E-05	1.90E-04	8.65E-06	3.10E-05	4.66E-06	1.44E-05
6329	437058.7	3762420.28	5.48E-05	1.87E-04	8.52E-06	3.05E-05	4.59E-06	1.42E-05
6330	437074.57	3762399.22	5.34E-05	1.82E-04	8.30E-06	2.98E-05	4.47E-06	1.38E-05
6331	437100.62	3762388.28	5.47E-05	1.86E-04	8.49E-06	3.04E-05	4.57E-06	1.41E-05
6332	437109.3	3762384.63	5.50E-05	1.87E-04	8.54E-06	3.06E-05	4.60E-06	1.42E-05
6333	437117.99	3762380.99	5.52E-05	1.88E-04	8.58E-06	3.08E-05	4.62E-06	1.43E-05
6334	437126.67	3762377.34	5.55E-05	1.89E-04	8.62E-06	3.09E-05	4.64E-06	1.43E-05
6335	437135.36	3762373.7	5.56E-05	1.90E-04	8.64E-06	3.10E-05	4.66E-06	1.44E-05
6336	437144.04	3762370.05	5.57E-05	1.90E-04	8.66E-06	3.11E-05	4.67E-06	1.44E-05
6337	437178.78	3762355.47	5.56E-05	1.90E-04	8.65E-06	3.10E-05	4.66E-06	1.44E-05
6338	437187.47	3762351.83	5.55E-05	1.89E-04	8.63E-06	3.09E-05	4.65E-06	1.44E-05
6339	437196.15	3762348.18	5.54E-05	1.89E-04	8.61E-06	3.09E-05	4.64E-06	1.43E-05
6340	437204.83	3762344.54	5.52E-05	1.88E-04	8.58E-06	3.08E-05	4.62E-06	1.43E-05

6341	437213.52	3762340.89	5.50E-05	1.88E-04	8.55E-06	3.06E-05	4.60E-06	1.42E-05
6342	437222.2	3762337.24	5.47E-05	1.87E-04	8.51E-06	3.05E-05	4.58E-06	1.41E-05
6343	437230.89	3762333.6	5.45E-05	1.86E-04	8.46E-06	3.03E-05	4.56E-06	1.41E-05
6344	437239.57	3762329.95	5.41E-05	1.85E-04	8.41E-06	3.02E-05	4.53E-06	1.40E-05
6345	437248.26	3762326.31	5.38E-05	1.83E-04	8.36E-06	3.00E-05	4.50E-06	1.39E-05
6346	437256.94	3762322.66	5.34E-05	1.82E-04	8.30E-06	2.98E-05	4.47E-06	1.38E-05
6347	437265.63	3762319.02	5.30E-05	1.81E-04	8.24E-06	2.95E-05	4.44E-06	1.37E-05
6348	437274.31	3762315.37	5.26E-05	1.79E-04	8.17E-06	2.93E-05	4.40E-06	1.36E-05
6349	437283	3762311.73	5.21E-05	1.78E-04	8.10E-06	2.90E-05	4.36E-06	1.35E-05
6350	437291.68	3762308.08	5.17E-05	1.76E-04	8.03E-06	2.88E-05	4.33E-06	1.34E-05
6351	437300.36	3762304.44	5.12E-05	1.75E-04	7.96E-06	2.85E-05	4.29E-06	1.32E-05
6352	437309.05	3762300.79	5.07E-05	1.73E-04	7.88E-06	2.83E-05	4.25E-06	1.31E-05
6353	437317.73	3762297.15	5.03E-05	1.71E-04	7.81E-06	2.80E-05	4.21E-06	1.30E-05
6354	437326.42	3762293.5	4.98E-05	1.70E-04	7.74E-06	2.77E-05	4.17E-06	1.29E-05
6355	437335.1	3762289.85	4.94E-05	1.68E-04	7.67E-06	2.75E-05	4.13E-06	1.28E-05
6356	437343.79	3762286.21	4.89E-05	1.67E-04	7.60E-06	2.73E-05	4.09E-06	1.26E-05
6357	437352.47	3762282.56	4.85E-05	1.65E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
6358	436943.8	3762708.61	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.45E-06	1.99E-05
6359	436943.8	3762718.3	7.79E-05	2.66E-04	1.21E-05	4.34E-05	6.52E-06	2.01E-05
6360	436943.8	3762728	7.87E-05	2.68E-04	1.22E-05	4.38E-05	6.59E-06	2.03E-05
6361	436943.8	3762737.69	7.93E-05	2.71E-04	1.23E-05	4.42E-05	6.64E-06	2.05E-05
6362	436943.8	3762747.39	7.99E-05	2.72E-04	1.24E-05	4.45E-05	6.69E-06	2.06E-05
6363	436943.8	3762757.09	8.03E-05	2.74E-04	1.25E-05	4.47E-05	6.72E-06	2.07E-05
6364	436943.8	3762766.78	8.06E-05	2.75E-04	1.25E-05	4.49E-05	6.75E-06	2.08E-05
6365	436943.8	3762776.48	8.08E-05	2.75E-04	1.26E-05	4.50E-05	6.76E-06	2.09E-05
6366	436943.8	3762786.17	8.08E-05	2.76E-04	1.26E-05	4.50E-05	6.77E-06	2.09E-05
6367	436943.8	3762795.87	8.07E-05	2.75E-04	1.25E-05	4.50E-05	6.76E-06	2.09E-05
6368	436943.8	3762805.56	8.05E-05	2.75E-04	1.25E-05	4.49E-05	6.74E-06	2.08E-05
6369	436943.8	3762815.26	8.02E-05	2.74E-04	1.25E-05	4.47E-05	6.72E-06	2.07E-05
6370	436943.8	3762824.96	7.98E-05	2.72E-04	1.24E-05	4.45E-05	6.68E-06	2.06E-05
6371	436943.8	3762834.65	7.93E-05	2.70E-04	1.23E-05	4.42E-05	6.64E-06	2.05E-05
6372	436943.8	3762844.35	7.86E-05	2.68E-04	1.22E-05	4.38E-05	6.58E-06	2.03E-05
6373	436924.7	3762672.48	6.82E-05	2.33E-04	1.06E-05	3.80E-05	5.71E-06	1.76E-05
6374	436928.33	3762663.67	6.80E-05	2.32E-04	1.06E-05	3.79E-05	5.70E-06	1.76E-05
6375	436931.97	3762654.86	6.78E-05	2.31E-04	1.05E-05	3.78E-05	5.68E-06	1.75E-05
6376	436935.6	3762646.04	6.76E-05	2.30E-04	1.05E-05	3.76E-05	5.65E-06	1.75E-05
6377	436939.23	3762637.23	6.72E-05	2.29E-04	1.04E-05	3.74E-05	5.63E-06	1.74E-05
6378	436942.87	3762628.42	6.68E-05	2.28E-04	1.04E-05	3.72E-05	5.59E-06	1.73E-05
6379	436946.5	3762619.61	6.64E-05	2.26E-04	1.03E-05	3.70E-05	5.56E-06	1.72E-05
6380	436950.13	3762610.8	6.59E-05	2.25E-04	1.02E-05	3.67E-05	5.52E-06	1.70E-05
6381	436953.77	3762601.99	6.54E-05	2.23E-04	1.02E-05	3.64E-05	5.47E-06	1.69E-05
6382	436957.4	3762593.18	6.48E-05	2.21E-04	1.01E-05	3.61E-05	5.42E-06	1.67E-05
6383	436964.67	3762575.56	6.35E-05	2.17E-04	9.87E-06	3.54E-05	5.32E-06	1.64E-05
6384	436968.3	3762566.75	6.29E-05	2.14E-04	9.77E-06	3.50E-05	5.26E-06	1.62E-05
6385	436971.93	3762557.93	6.22E-05	2.12E-04	9.66E-06	3.46E-05	5.20E-06	1.61E-05
6386	436975.57	3762549.12	6.15E-05	2.10E-04	9.55E-06	3.42E-05	5.15E-06	1.59E-05
6387	436982.83	3762531.5	6.00E-05	2.05E-04	9.33E-06	3.34E-05	5.03E-06	1.55E-05
6388	436986.47	3762522.69	5.93E-05	2.02E-04	9.22E-06	3.31E-05	4.97E-06	1.53E-05
6389	436990.1	3762513.88	5.86E-05	2.00E-04	9.11E-06	3.27E-05	4.91E-06	1.52E-05
6390	436993.73	3762505.07	5.79E-05	1.97E-04	8.99E-06	3.22E-05	4.85E-06	1.50E-05
6391	436997.37	3762496.26	5.71E-05	1.95E-04	8.88E-06	3.18E-05	4.78E-06	1.48E-05
6392	437015.53	3762452.2	5.35E-05	1.82E-04	8.31E-06	2.98E-05	4.48E-06	1.38E-05

6393	437019.17	3762443.39	5.28E-05	1.80E-04	8.20E-06	2.94E-05	4.42E-06	1.36E-05
6394	437022.8	3762434.58	5.21E-05	1.78E-04	8.09E-06	2.90E-05	4.36E-06	1.35E-05
6395	437030.07	3762416.96	5.06E-05	1.73E-04	7.87E-06	2.82E-05	4.24E-06	1.31E-05
6396	437033.7	3762408.15	4.99E-05	1.70E-04	7.75E-06	2.78E-05	4.17E-06	1.29E-05
6397	437037.34	3762399.34	4.91E-05	1.67E-04	7.63E-06	2.73E-05	4.11E-06	1.27E-05
6398	437040.97	3762390.53	4.83E-05	1.65E-04	7.51E-06	2.69E-05	4.04E-06	1.25E-05
6399	437053.39	3762378.03	4.79E-05	1.63E-04	7.44E-06	2.67E-05	4.01E-06	1.24E-05
6400	437088.54	3762363.27	4.9E-05	1.67E-04	7.62E-06	2.73E-05	4.11E-06	1.27E-05
6401	437097.33	3762359.58	4.93E-05	1.68E-04	7.65E-06	2.74E-05	4.12E-06	1.27E-05
6402	437106.12	3762355.89	4.94E-05	1.69E-04	7.68E-06	2.75E-05	4.14E-06	1.28E-05
6403	437114.91	3762352.2	4.95E-05	1.69E-04	7.70E-06	2.76E-05	4.15E-06	1.28E-05
6404	437123.69	3762348.52	4.96E-05	1.69E-04	7.70E-06	2.76E-05	4.15E-06	1.28E-05
6405	437132.48	3762344.83	4.96E-05	1.69E-04	7.71E-06	2.76E-05	4.15E-06	1.28E-05
6406	437141.27	3762341.14	4.97E-05	1.69E-04	7.72E-06	2.77E-05	4.16E-06	1.28E-05
6407	437185.21	3762322.69	4.94E-05	1.69E-04	7.68E-06	2.75E-05	4.14E-06	1.28E-05
6408	437194	3762319.01	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
6409	437202.78	3762315.32	4.91E-05	1.67E-04	7.63E-06	2.73E-05	4.11E-06	1.27E-05
6410	437211.57	3762311.63	4.89E-05	1.67E-04	7.59E-06	2.72E-05	4.09E-06	1.26E-05
6411	437220.36	3762307.94	4.86E-05	1.66E-04	7.55E-06	2.71E-05	4.07E-06	1.26E-05
6412	437229.15	3762304.25	4.83E-05	1.65E-04	7.50E-06	2.69E-05	4.04E-06	1.25E-05
6413	437237.94	3762300.56	4.8E-05	1.64E-04	7.45E-06	2.67E-05	4.01E-06	1.24E-05
6414	437246.72	3762296.87	4.76E-05	1.62E-04	7.40E-06	2.65E-05	3.98E-06	1.23E-05
6415	437255.51	3762293.18	4.72E-05	1.61E-04	7.34E-06	2.63E-05	3.95E-06	1.22E-05
6416	437264.3	3762289.5	4.69E-05	1.60E-04	7.28E-06	2.61E-05	3.92E-06	1.21E-05
6417	437273.09	3762285.81	4.65E-05	1.58E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6418	437281.88	3762282.12	4.61E-05	1.57E-04	7.16E-06	2.57E-05	3.86E-06	1.19E-05
6419	437290.66	3762278.43	4.57E-05	1.56E-04	7.09E-06	2.54E-05	3.82E-06	1.18E-05
6420	437299.45	3762274.74	4.53E-05	1.54E-04	7.03E-06	2.52E-05	3.79E-06	1.17E-05
6421	437308.24	3762271.05	4.49E-05	1.53E-04	6.97E-06	2.50E-05	3.75E-06	1.16E-05
6422	437317.03	3762267.36	4.45E-05	1.52E-04	6.91E-06	2.48E-05	3.72E-06	1.15E-05
6423	437325.82	3762263.67	4.41E-05	1.50E-04	6.85E-06	2.45E-05	3.69E-06	1.14E-05
6424	437334.6	3762259.99	4.37E-05	1.49E-04	6.79E-06	2.43E-05	3.66E-06	1.13E-05
6425	437343.39	3762256.3	4.33E-05	1.48E-04	6.73E-06	2.41E-05	3.63E-06	1.12E-05
6426	437352.18	3762252.61	4.3E-05	1.46E-04	6.67E-06	2.39E-05	3.60E-06	1.11E-05
6427	436913.8	3762708.61	6.89E-05	2.35E-04	1.07E-05	3.84E-05	5.77E-06	1.78E-05
6428	436913.8	3762718.3	6.96E-05	2.37E-04	1.08E-05	3.87E-05	5.82E-06	1.80E-05
6429	436913.8	3762728	7.01E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
6430	436913.8	3762737.69	7.06E-05	2.41E-04	1.10E-05	3.94E-05	5.91E-06	1.83E-05
6431	436913.8	3762747.39	7.1E-05	2.42E-04	1.10E-05	3.96E-05	5.95E-06	1.84E-05
6432	436913.8	3762757.09	7.13E-05	2.43E-04	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6433	436913.8	3762766.78	7.16E-05	2.44E-04	1.11E-05	3.99E-05	5.99E-06	1.85E-05
6434	436913.8	3762776.48	7.17E-05	2.44E-04	1.11E-05	3.99E-05	6.00E-06	1.85E-05
6435	436913.8	3762786.17	7.17E-05	2.44E-04	1.11E-05	3.99E-05	6.00E-06	1.85E-05
6436	436913.8	3762795.87	7.16E-05	2.44E-04	1.11E-05	3.99E-05	5.99E-06	1.85E-05
6437	436913.8	3762805.56	7.14E-05	2.44E-04	1.11E-05	3.98E-05	5.98E-06	1.85E-05
6438	436913.8	3762815.26	7.12E-05	2.43E-04	1.11E-05	3.96E-05	5.96E-06	1.84E-05
6439	436913.8	3762824.96	7.08E-05	2.42E-04	1.10E-05	3.95E-05	5.93E-06	1.83E-05
6440	436913.8	3762834.65	7.04E-05	2.40E-04	1.09E-05	3.92E-05	5.89E-06	1.82E-05
6441	436913.8	3762844.35	6.99E-05	2.38E-04	1.09E-05	3.89E-05	5.85E-06	1.81E-05
6442	436894.81	3762672.2	6.14E-05	2.09E-04	9.55E-06	3.42E-05	5.14E-06	1.59E-05
6443	436898.49	3762663.3	6.14E-05	2.09E-04	9.53E-06	3.42E-05	5.14E-06	1.59E-05
6444	436902.16	3762654.39	6.12E-05	2.09E-04	9.51E-06	3.41E-05	5.12E-06	1.58E-05

6445	436905.83	3762645.49	6.1E-05	2.08E-04	9.48E-06	3.40E-05	5.11E-06	1.58E-05
6446	436909.5	3762636.58	6.08E-05	2.07E-04	9.44E-06	3.38E-05	5.08E-06	1.57E-05
6447	436913.17	3762627.68	6.04E-05	2.06E-04	9.39E-06	3.37E-05	5.06E-06	1.56E-05
6448	436916.84	3762618.78	6.01E-05	2.05E-04	9.34E-06	3.35E-05	5.03E-06	1.55E-05
6449	436920.52	3762609.87	5.97E-05	2.04E-04	9.28E-06	3.33E-05	5.00E-06	1.54E-05
6450	436924.19	3762600.97	5.93E-05	2.02E-04	9.21E-06	3.30E-05	4.96E-06	1.53E-05
6451	436927.86	3762592.07	5.88E-05	2.01E-04	9.14E-06	3.28E-05	4.92E-06	1.52E-05
6452	436931.53	3762583.16	5.83E-05	1.99E-04	9.06E-06	3.25E-05	4.88E-06	1.51E-05
6453	436935.2	3762574.26	5.78E-05	1.97E-04	8.98E-06	3.22E-05	4.84E-06	1.49E-05
6454	436938.87	3762565.35	5.72E-05	1.95E-04	8.89E-06	3.19E-05	4.79E-06	1.48E-05
6455	436942.55	3762556.45	5.67E-05	1.93E-04	8.81E-06	3.16E-05	4.74E-06	1.46E-05
6456	436946.22	3762547.55	5.61E-05	1.91E-04	8.71E-06	3.12E-05	4.69E-06	1.45E-05
6457	436953.56	3762529.74	5.49E-05	1.87E-04	8.53E-06	3.06E-05	4.59E-06	1.42E-05
6458	436957.23	3762520.84	5.43E-05	1.85E-04	8.43E-06	3.02E-05	4.54E-06	1.40E-05
6459	436960.9	3762511.93	5.37E-05	1.83E-04	8.34E-06	2.99E-05	4.49E-06	1.39E-05
6460	436964.58	3762503.03	5.3E-05	1.81E-04	8.24E-06	2.95E-05	4.44E-06	1.37E-05
6461	436990.28	3762440.7	4.87E-05	1.66E-04	7.57E-06	2.71E-05	4.08E-06	1.26E-05
6462	436993.95	3762431.8	4.81E-05	1.64E-04	7.48E-06	2.68E-05	4.03E-06	1.24E-05
6463	436997.62	3762422.89	4.75E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
6464	437001.29	3762413.99	4.69E-05	1.60E-04	7.29E-06	2.61E-05	3.93E-06	1.21E-05
6465	437008.64	3762396.18	4.56E-05	1.56E-04	7.09E-06	2.54E-05	3.82E-06	1.18E-05
6466	437012.31	3762387.28	4.5E-05	1.53E-04	6.99E-06	2.51E-05	3.76E-06	1.16E-05
6467	437019.65	3762369.47	4.36E-05	1.49E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
6468	437032.2	3762356.84	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
6469	437058.84	3762345.66	4.39E-05	1.50E-04	6.82E-06	2.45E-05	3.67E-06	1.13E-05
6470	437067.72	3762341.93	4.41E-05	1.50E-04	6.85E-06	2.46E-05	3.69E-06	1.14E-05
6471	437076.6	3762338.2	4.42E-05	1.51E-04	6.87E-06	2.46E-05	3.70E-06	1.14E-05
6472	437085.49	3762334.48	4.44E-05	1.51E-04	6.89E-06	2.47E-05	3.71E-06	1.15E-05
6473	437094.37	3762330.75	4.44E-05	1.52E-04	6.91E-06	2.48E-05	3.72E-06	1.15E-05
6474	437103.25	3762327.02	4.45E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6475	437112.13	3762323.29	4.45E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6476	437121.01	3762319.57	4.46E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6477	437129.89	3762315.84	4.46E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6478	437138.77	3762312.11	4.46E-05	1.52E-04	6.93E-06	2.49E-05	3.73E-06	1.15E-05
6479	437147.65	3762308.38	4.46E-05	1.52E-04	6.94E-06	2.49E-05	3.74E-06	1.15E-05
6480	437183.17	3762293.47	4.43E-05	1.51E-04	6.88E-06	2.47E-05	3.71E-06	1.14E-05
6481	437192.05	3762289.74	4.41E-05	1.50E-04	6.85E-06	2.46E-05	3.69E-06	1.14E-05
6482	437200.93	3762286.02	4.39E-05	1.50E-04	6.82E-06	2.44E-05	3.67E-06	1.13E-05
6483	437209.81	3762282.29	4.36E-05	1.49E-04	6.78E-06	2.43E-05	3.65E-06	1.13E-05
6484	437218.69	3762278.56	4.33E-05	1.48E-04	6.73E-06	2.41E-05	3.63E-06	1.12E-05
6485	437227.57	3762274.83	4.3E-05	1.47E-04	6.69E-06	2.40E-05	3.60E-06	1.11E-05
6486	437236.45	3762271.11	4.27E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6487	437245.33	3762267.38	4.24E-05	1.45E-04	6.59E-06	2.36E-05	3.55E-06	1.10E-05
6488	437254.21	3762263.65	4.2E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
6489	437263.09	3762259.92	4.17E-05	1.42E-04	6.48E-06	2.32E-05	3.49E-06	1.08E-05
6490	437271.97	3762256.2	4.13E-05	1.41E-04	6.42E-06	2.30E-05	3.46E-06	1.07E-05
6491	437280.85	3762252.47	4.1E-05	1.40E-04	6.37E-06	2.28E-05	3.43E-06	1.06E-05
6492	437289.73	3762248.74	4.06E-05	1.39E-04	6.32E-06	2.26E-05	3.40E-06	1.05E-05
6493	437298.62	3762245.01	4.03E-05	1.37E-04	6.26E-06	2.24E-05	3.37E-06	1.04E-05
6494	437307.5	3762241.29	3.99E-05	1.36E-04	6.21E-06	2.23E-05	3.34E-06	1.03E-05
6495	437316.38	3762237.56	3.96E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.02E-05
6496	437325.26	3762233.83	3.93E-05	1.34E-04	6.10E-06	2.19E-05	3.29E-06	1.02E-05

6497	437334.14	3762230.1	3.9E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
6498	437343.02	3762226.37	3.86E-05	1.32E-04	6.00E-06	2.15E-05	3.23E-06	9.98E-06
6499	437351.9	3762222.65	3.83E-05	1.31E-04	5.96E-06	2.14E-05	3.21E-06	9.91E-06
6500	436883.8	3762708.61	6.19E-05	2.11E-04	9.62E-06	3.45E-05	5.18E-06	1.60E-05
6501	436883.8	3762718.3	6.24E-05	2.13E-04	9.70E-06	3.48E-05	5.23E-06	1.61E-05
6502	436883.8	3762728	6.29E-05	2.15E-04	9.78E-06	3.50E-05	5.27E-06	1.63E-05
6503	436883.8	3762737.69	6.33E-05	2.16E-04	9.84E-06	3.53E-05	5.30E-06	1.64E-05
6504	436883.8	3762747.39	6.36E-05	2.17E-04	9.89E-06	3.55E-05	5.33E-06	1.64E-05
6505	436883.8	3762757.09	6.39E-05	2.18E-04	9.93E-06	3.56E-05	5.35E-06	1.65E-05
6506	436883.8	3762766.78	6.41E-05	2.18E-04	9.95E-06	3.57E-05	5.36E-06	1.66E-05
6507	436883.8	3762776.48	6.41E-05	2.19E-04	9.97E-06	3.57E-05	5.37E-06	1.66E-05
6508	436883.8	3762786.17	6.41E-05	2.19E-04	9.97E-06	3.57E-05	5.37E-06	1.66E-05
6509	436883.8	3762795.87	6.41E-05	2.18E-04	9.95E-06	3.57E-05	5.36E-06	1.66E-05
6510	436883.8	3762805.56	6.39E-05	2.18E-04	9.93E-06	3.56E-05	5.35E-06	1.65E-05
6511	436883.8	3762815.26	6.37E-05	2.17E-04	9.89E-06	3.55E-05	5.33E-06	1.65E-05
6512	436883.8	3762824.96	6.34E-05	2.16E-04	9.85E-06	3.53E-05	5.30E-06	1.64E-05
6513	436883.8	3762834.65	6.3E-05	2.15E-04	9.79E-06	3.51E-05	5.27E-06	1.63E-05
6514	436883.8	3762844.35	6.26E-05	2.13E-04	9.72E-06	3.49E-05	5.24E-06	1.62E-05
6515	436864.65	3762672.61	5.56E-05	1.90E-04	8.65E-06	3.10E-05	4.66E-06	1.44E-05
6516	436868.26	3762663.84	5.56E-05	1.90E-04	8.64E-06	3.10E-05	4.65E-06	1.44E-05
6517	436871.88	3762655.07	5.55E-05	1.89E-04	8.63E-06	3.09E-05	4.65E-06	1.43E-05
6518	436875.49	3762646.3	5.54E-05	1.89E-04	8.60E-06	3.08E-05	4.63E-06	1.43E-05
6519	436879.11	3762637.53	5.52E-05	1.88E-04	8.57E-06	3.07E-05	4.62E-06	1.43E-05
6520	436882.73	3762628.77	5.49E-05	1.87E-04	8.53E-06	3.06E-05	4.60E-06	1.42E-05
6521	436886.34	3762620	5.46E-05	1.86E-04	8.49E-06	3.04E-05	4.57E-06	1.41E-05
6522	436889.96	3762611.23	5.43E-05	1.85E-04	8.44E-06	3.03E-05	4.55E-06	1.40E-05
6523	436893.57	3762602.46	5.4E-05	1.84E-04	8.39E-06	3.01E-05	4.52E-06	1.40E-05
6524	436897.19	3762593.69	5.37E-05	1.83E-04	8.34E-06	2.99E-05	4.49E-06	1.39E-05
6525	436900.8	3762584.93	5.33E-05	1.82E-04	8.28E-06	2.97E-05	4.46E-06	1.38E-05
6526	436904.42	3762576.16	5.29E-05	1.80E-04	8.22E-06	2.95E-05	4.43E-06	1.37E-05
6527	436911.65	3762558.62	5.2E-05	1.77E-04	8.08E-06	2.90E-05	4.35E-06	1.34E-05
6528	436915.27	3762549.85	5.16E-05	1.76E-04	8.01E-06	2.87E-05	4.32E-06	1.33E-05
6529	436918.88	3762541.09	5.11E-05	1.74E-04	7.94E-06	2.85E-05	4.28E-06	1.32E-05
6530	436922.5	3762532.32	5.06E-05	1.73E-04	7.86E-06	2.82E-05	4.23E-06	1.31E-05
6531	436929.73	3762514.78	4.96E-05	1.69E-04	7.70E-06	2.76E-05	4.15E-06	1.28E-05
6532	436933.34	3762506.01	4.9E-05	1.67E-04	7.62E-06	2.73E-05	4.11E-06	1.27E-05
6533	436936.96	3762497.25	4.85E-05	1.65E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
6534	436940.58	3762488.48	4.8E-05	1.64E-04	7.45E-06	2.67E-05	4.02E-06	1.24E-05
6535	436955.04	3762453.41	4.59E-05	1.56E-04	7.13E-06	2.56E-05	3.84E-06	1.19E-05
6536	436958.65	3762444.64	4.54E-05	1.55E-04	7.06E-06	2.53E-05	3.80E-06	1.17E-05
6537	436965.89	3762427.1	4.45E-05	1.52E-04	6.91E-06	2.48E-05	3.72E-06	1.15E-05
6538	436969.5	3762418.33	4.4E-05	1.50E-04	6.83E-06	2.45E-05	3.68E-06	1.14E-05
6539	436973.12	3762409.57	4.34E-05	1.48E-04	6.75E-06	2.42E-05	3.64E-06	1.12E-05
6540	436976.73	3762400.8	4.29E-05	1.46E-04	6.67E-06	2.39E-05	3.59E-06	1.11E-05
6541	436983.96	3762383.26	4.18E-05	1.43E-04	6.50E-06	2.33E-05	3.50E-06	1.08E-05
6542	436987.58	3762374.49	4.12E-05	1.41E-04	6.41E-06	2.30E-05	3.45E-06	1.07E-05
6543	436991.2	3762365.73	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.40E-06	1.05E-05
6544	436994.81	3762356.96	4.01E-05	1.37E-04	6.23E-06	2.23E-05	3.35E-06	1.04E-05
6545	437010.79	3762335.75	3.91E-05	1.33E-04	6.08E-06	2.18E-05	3.27E-06	1.01E-05
6546	437037.02	3762324.74	3.97E-05	1.36E-04	6.17E-06	2.21E-05	3.33E-06	1.03E-05
6547	437045.77	3762321.07	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
6548	437054.51	3762317.4	4.01E-05	1.37E-04	6.22E-06	2.23E-05	3.35E-06	1.04E-05

6549	437063.26	3762313.73	4.02E-05	1.37E-04	6.24E-06	2.24E-05	3.36E-06	1.04E-05
6550	437072	3762310.06	4.03E-05	1.37E-04	6.26E-06	2.24E-05	3.37E-06	1.04E-05
6551	437080.75	3762306.39	4.04E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
6552	437089.49	3762302.71	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
6553	437098.24	3762299.04	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
6554	437106.98	3762295.37	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
6555	437115.73	3762291.7	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
6556	437124.47	3762288.03	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
6557	437133.22	3762284.36	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
6558	437141.96	3762280.69	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.39E-06	1.04E-05
6559	437176.94	3762266.01	4E-05	1.36E-04	6.21E-06	2.23E-05	3.34E-06	1.03E-05
6560	437185.69	3762262.34	3.98E-05	1.36E-04	6.18E-06	2.22E-05	3.33E-06	1.03E-05
6561	437194.43	3762258.67	3.95E-05	1.35E-04	6.14E-06	2.20E-05	3.31E-06	1.02E-05
6562	437203.18	3762254.99	3.93E-05	1.34E-04	6.11E-06	2.19E-05	3.29E-06	1.02E-05
6563	437211.92	3762251.32	3.9E-05	1.33E-04	6.07E-06	2.17E-05	3.27E-06	1.01E-05
6564	437220.67	3762247.65	3.88E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
6565	437229.41	3762243.98	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6566	437238.16	3762240.31	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.19E-06	9.86E-06
6567	437246.9	3762236.64	3.79E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.78E-06
6568	437255.65	3762232.97	3.76E-05	1.28E-04	5.84E-06	2.09E-05	3.14E-06	9.71E-06
6569	437264.39	3762229.3	3.73E-05	1.27E-04	5.79E-06	2.08E-05	3.12E-06	9.63E-06
6570	437273.14	3762225.63	3.7E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.56E-06
6571	437281.88	3762221.96	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.48E-06
6572	437290.63	3762218.29	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.05E-06	9.40E-06
6573	437299.37	3762214.62	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.33E-06
6574	437308.12	3762210.94	3.58E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.25E-06
6575	437316.86	3762207.27	3.55E-05	1.21E-04	5.52E-06	1.98E-05	2.97E-06	9.18E-06
6576	437325.61	3762203.6	3.52E-05	1.20E-04	5.48E-06	1.96E-05	2.95E-06	9.11E-06
6577	437334.35	3762199.93	3.5E-05	1.19E-04	5.43E-06	1.95E-05	2.93E-06	9.04E-06
6578	437343.1	3762196.26	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.91E-06	8.97E-06
6579	437351.84	3762192.59	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.88E-06	8.91E-06
6580	436853.8	3762708.61	5.59E-05	1.91E-04	8.69E-06	3.11E-05	4.68E-06	1.44E-05
6581	436853.8	3762718.3	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.72E-06	1.46E-05
6582	436853.8	3762728	5.67E-05	1.93E-04	8.82E-06	3.16E-05	4.75E-06	1.47E-05
6583	436853.8	3762737.69	5.71E-05	1.95E-04	8.87E-06	3.18E-05	4.78E-06	1.47E-05
6584	436853.8	3762747.39	5.73E-05	1.96E-04	8.91E-06	3.19E-05	4.80E-06	1.48E-05
6585	436853.8	3762757.09	5.75E-05	1.96E-04	8.94E-06	3.21E-05	4.82E-06	1.49E-05
6586	436853.8	3762766.78	5.77E-05	1.97E-04	8.96E-06	3.21E-05	4.83E-06	1.49E-05
6587	436853.8	3762776.48	5.77E-05	1.97E-04	8.97E-06	3.22E-05	4.83E-06	1.49E-05
6588	436853.8	3762786.17	5.77E-05	1.97E-04	8.97E-06	3.22E-05	4.83E-06	1.49E-05
6589	436853.8	3762795.87	5.76E-05	1.97E-04	8.96E-06	3.21E-05	4.82E-06	1.49E-05
6590	436853.8	3762805.56	5.75E-05	1.96E-04	8.93E-06	3.20E-05	4.81E-06	1.49E-05
6591	436853.8	3762815.26	5.73E-05	1.95E-04	8.90E-06	3.19E-05	4.80E-06	1.48E-05
6592	436853.8	3762824.96	5.7E-05	1.94E-04	8.86E-06	3.18E-05	4.77E-06	1.47E-05
6593	436853.8	3762834.65	5.67E-05	1.93E-04	8.81E-06	3.16E-05	4.75E-06	1.47E-05
6594	436853.8	3762844.35	5.64E-05	1.92E-04	8.76E-06	3.14E-05	4.72E-06	1.46E-05
6595	436834.75	3762672.35	5.07E-05	1.73E-04	7.88E-06	2.83E-05	4.25E-06	1.31E-05
6596	436838.4	3762663.5	5.07E-05	1.73E-04	7.88E-06	2.83E-05	4.25E-06	1.31E-05
6597	436842.05	3762654.65	5.07E-05	1.73E-04	7.87E-06	2.82E-05	4.24E-06	1.31E-05
6598	436845.7	3762645.8	5.05E-05	1.72E-04	7.85E-06	2.82E-05	4.23E-06	1.31E-05
6599	436849.35	3762636.95	5.04E-05	1.72E-04	7.83E-06	2.81E-05	4.22E-06	1.30E-05
6600	436856.65	3762619.24	4.99E-05	1.70E-04	7.75E-06	2.78E-05	4.18E-06	1.29E-05

6601	436860.3	3762610.39	4.96E-05	1.69E-04	7.71E-06	2.76E-05	4.15E-06	1.28E-05
6602	436863.95	3762601.54	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
6603	436867.6	3762592.69	4.9E-05	1.67E-04	7.62E-06	2.73E-05	4.10E-06	1.27E-05
6604	436874.9	3762574.98	4.84E-05	1.65E-04	7.53E-06	2.70E-05	4.05E-06	1.25E-05
6605	436878.55	3762566.13	4.81E-05	1.64E-04	7.47E-06	2.68E-05	4.03E-06	1.24E-05
6606	436882.2	3762557.28	4.77E-05	1.63E-04	7.41E-06	2.66E-05	3.99E-06	1.23E-05
6607	436885.85	3762548.43	4.73E-05	1.61E-04	7.35E-06	2.64E-05	3.96E-06	1.22E-05
6608	436893.16	3762530.72	4.65E-05	1.59E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6609	436896.81	3762521.87	4.61E-05	1.57E-04	7.16E-06	2.57E-05	3.86E-06	1.19E-05
6610	436900.46	3762513.02	4.56E-05	1.56E-04	7.09E-06	2.54E-05	3.82E-06	1.18E-05
6611	436904.11	3762504.17	4.52E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
6612	436911.41	3762486.46	4.43E-05	1.51E-04	6.88E-06	2.47E-05	3.71E-06	1.14E-05
6613	436929.66	3762442.2	4.2E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
6614	436933.31	3762433.35	4.16E-05	1.42E-04	6.47E-06	2.32E-05	3.48E-06	1.08E-05
6615	436936.96	3762424.5	4.12E-05	1.41E-04	6.40E-06	2.30E-05	3.45E-06	1.07E-05
6616	436940.61	3762415.65	4.08E-05	1.39E-04	6.34E-06	2.27E-05	3.41E-06	1.05E-05
6617	436947.91	3762397.94	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
6618	436951.56	3762389.09	3.94E-05	1.34E-04	6.13E-06	2.20E-05	3.30E-06	1.02E-05
6619	436955.21	3762380.24	3.9E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
6620	436958.86	3762371.39	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6621	436966.16	3762353.68	3.75E-05	1.28E-04	5.83E-06	2.09E-05	3.14E-06	9.69E-06
6622	436969.81	3762344.83	3.7E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.56E-06
6623	436977.11	3762327.13	3.6E-05	1.23E-04	5.59E-06	2.00E-05	3.01E-06	9.29E-06
6624	436989.59	3762314.57	3.57E-05	1.22E-04	5.54E-06	1.99E-05	2.98E-06	9.21E-06
6625	437024.91	3762299.75	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.05E-06	9.40E-06
6626	437033.74	3762296.04	3.65E-05	1.25E-04	5.68E-06	2.04E-05	3.06E-06	9.44E-06
6627	437042.56	3762292.33	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.47E-06
6628	437051.39	3762288.63	3.68E-05	1.25E-04	5.72E-06	2.05E-05	3.08E-06	9.51E-06
6629	437060.22	3762284.92	3.69E-05	1.26E-04	5.73E-06	2.05E-05	3.09E-06	9.53E-06
6630	437069.05	3762281.22	3.7E-05	1.26E-04	5.74E-06	2.06E-05	3.09E-06	9.55E-06
6631	437077.88	3762277.51	3.7E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.57E-06
6632	437086.71	3762273.8	3.71E-05	1.26E-04	5.76E-06	2.06E-05	3.10E-06	9.58E-06
6633	437095.54	3762270.1	3.71E-05	1.26E-04	5.76E-06	2.07E-05	3.10E-06	9.58E-06
6634	437104.37	3762266.39	3.71E-05	1.26E-04	5.76E-06	2.06E-05	3.10E-06	9.58E-06
6635	437113.19	3762262.69	3.7E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.57E-06
6636	437122.02	3762258.98	3.7E-05	1.26E-04	5.74E-06	2.06E-05	3.09E-06	9.55E-06
6637	437130.85	3762255.28	3.69E-05	1.26E-04	5.73E-06	2.05E-05	3.09E-06	9.53E-06
6638	437139.68	3762251.57	3.68E-05	1.25E-04	5.72E-06	2.05E-05	3.08E-06	9.51E-06
6639	437148.51	3762247.86	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.47E-06
6640	437157.34	3762244.16	3.65E-05	1.25E-04	5.68E-06	2.04E-05	3.06E-06	9.44E-06
6641	437166.17	3762240.45	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.04E-06	9.40E-06
6642	437175	3762236.75	3.62E-05	1.23E-04	5.62E-06	2.01E-05	3.03E-06	9.35E-06
6643	437183.82	3762233.04	3.6E-05	1.23E-04	5.59E-06	2.00E-05	3.01E-06	9.29E-06
6644	437192.65	3762229.33	3.57E-05	1.22E-04	5.55E-06	1.99E-05	2.99E-06	9.23E-06
6645	437201.48	3762225.63	3.55E-05	1.21E-04	5.51E-06	1.98E-05	2.97E-06	9.17E-06
6646	437210.31	3762221.92	3.52E-05	1.20E-04	5.48E-06	1.96E-05	2.95E-06	9.11E-06
6647	437219.14	3762218.22	3.5E-05	1.19E-04	5.44E-06	1.95E-05	2.93E-06	9.04E-06
6648	437227.97	3762214.51	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.91E-06	8.97E-06
6649	437236.8	3762210.8	3.45E-05	1.18E-04	5.35E-06	1.92E-05	2.88E-06	8.90E-06
6650	437245.63	3762207.1	3.42E-05	1.17E-04	5.31E-06	1.90E-05	2.86E-06	8.83E-06
6651	437254.45	3762203.39	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.76E-06
6652	437263.28	3762199.69	3.37E-05	1.15E-04	5.23E-06	1.87E-05	2.82E-06	8.70E-06

6653	437272.11	3762195.98	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.79E-06	8.63E-06
6654	437280.94	3762192.27	3.31E-05	1.13E-04	5.15E-06	1.85E-05	2.77E-06	8.56E-06
6655	437289.77	3762188.57	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.75E-06	8.49E-06
6656	437298.6	3762184.86	3.26E-05	1.11E-04	5.07E-06	1.82E-05	2.73E-06	8.42E-06
6657	437307.43	3762181.16	3.23E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.36E-06
6658	437316.26	3762177.45	3.21E-05	1.09E-04	4.99E-06	1.79E-05	2.69E-06	8.29E-06
6659	437325.09	3762173.74	3.19E-05	1.09E-04	4.95E-06	1.77E-05	2.67E-06	8.23E-06
6660	437333.91	3762170.04	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.65E-06	8.17E-06
6661	437342.74	3762166.33	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
6662	437351.57	3762162.63	3.12E-05	1.06E-04	4.85E-06	1.74E-05	2.61E-06	8.06E-06
6663	436823.8	3762708.61	5.09E-05	1.73E-04	7.90E-06	2.83E-05	4.26E-06	1.31E-05
6664	436823.8	3762718.3	5.12E-05	1.75E-04	7.96E-06	2.85E-05	4.29E-06	1.32E-05
6665	436823.8	3762728	5.15E-05	1.76E-04	8.01E-06	2.87E-05	4.31E-06	1.33E-05
6666	436823.8	3762737.69	5.18E-05	1.77E-04	8.05E-06	2.89E-05	4.34E-06	1.34E-05
6667	436823.8	3762747.39	5.2E-05	1.77E-04	8.08E-06	2.90E-05	4.35E-06	1.34E-05
6668	436823.8	3762757.09	5.22E-05	1.78E-04	8.10E-06	2.91E-05	4.37E-06	1.35E-05
6669	436823.8	3762766.78	5.22E-05	1.78E-04	8.12E-06	2.91E-05	4.37E-06	1.35E-05
6670	436823.8	3762776.48	5.23E-05	1.78E-04	8.12E-06	2.91E-05	4.38E-06	1.35E-05
6671	436823.8	3762786.17	5.22E-05	1.78E-04	8.12E-06	2.91E-05	4.37E-06	1.35E-05
6672	436823.8	3762795.87	5.22E-05	1.78E-04	8.10E-06	2.91E-05	4.37E-06	1.35E-05
6673	436823.8	3762805.56	5.2E-05	1.77E-04	8.08E-06	2.90E-05	4.35E-06	1.34E-05
6674	436823.8	3762815.26	5.18E-05	1.77E-04	8.06E-06	2.89E-05	4.34E-06	1.34E-05
6675	436823.8	3762824.96	5.16E-05	1.76E-04	8.02E-06	2.88E-05	4.32E-06	1.33E-05
6676	436823.8	3762834.65	5.14E-05	1.75E-04	7.98E-06	2.86E-05	4.30E-06	1.33E-05
6677	436823.8	3762844.35	5.11E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
6678	436804.85	3762672.12	4.65E-05	1.58E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6679	436808.53	3762663.2	4.65E-05	1.59E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6680	436812.21	3762654.27	4.65E-05	1.58E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6681	436815.89	3762645.34	4.64E-05	1.58E-04	7.21E-06	2.58E-05	3.88E-06	1.20E-05
6682	436819.57	3762636.41	4.63E-05	1.58E-04	7.19E-06	2.58E-05	3.87E-06	1.20E-05
6683	436826.94	3762618.55	4.59E-05	1.57E-04	7.13E-06	2.56E-05	3.84E-06	1.19E-05
6684	436830.62	3762609.63	4.57E-05	1.56E-04	7.09E-06	2.54E-05	3.82E-06	1.18E-05
6685	436834.3	3762600.7	4.54E-05	1.55E-04	7.05E-06	2.53E-05	3.80E-06	1.17E-05
6686	436837.98	3762591.77	4.51E-05	1.54E-04	7.01E-06	2.51E-05	3.77E-06	1.17E-05
6687	436845.35	3762573.91	4.45E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6688	436849.03	3762564.98	4.42E-05	1.51E-04	6.87E-06	2.46E-05	3.70E-06	1.14E-05
6689	436852.71	3762556.05	4.39E-05	1.50E-04	6.82E-06	2.45E-05	3.67E-06	1.13E-05
6690	436856.39	3762547.13	4.36E-05	1.49E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
6691	436860.07	3762538.2	4.32E-05	1.47E-04	6.72E-06	2.41E-05	3.62E-06	1.12E-05
6692	436863.75	3762529.27	4.29E-05	1.46E-04	6.66E-06	2.39E-05	3.59E-06	1.11E-05
6693	436867.44	3762520.34	4.25E-05	1.45E-04	6.61E-06	2.37E-05	3.56E-06	1.10E-05
6694	436874.8	3762502.48	4.18E-05	1.42E-04	6.49E-06	2.33E-05	3.50E-06	1.08E-05
6695	436878.48	3762493.56	4.14E-05	1.41E-04	6.43E-06	2.31E-05	3.46E-06	1.07E-05
6696	436882.16	3762484.63	4.1E-05	1.40E-04	6.37E-06	2.28E-05	3.43E-06	1.06E-05
6697	436900.57	3762439.99	3.9E-05	1.33E-04	6.06E-06	2.17E-05	3.27E-06	1.01E-05
6698	436904.25	3762431.06	3.86E-05	1.32E-04	6.00E-06	2.15E-05	3.23E-06	9.98E-06
6699	436911.62	3762413.2	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.79E-06
6700	436915.3	3762404.27	3.75E-05	1.28E-04	5.83E-06	2.09E-05	3.14E-06	9.69E-06
6701	436918.98	3762395.34	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
6702	436922.66	3762386.41	3.67E-05	1.25E-04	5.71E-06	2.05E-05	3.08E-06	9.49E-06
6703	436930.03	3762368.56	3.59E-05	1.23E-04	5.58E-06	2.00E-05	3.01E-06	9.29E-06
6704	436933.71	3762359.63	3.55E-05	1.21E-04	5.52E-06	1.98E-05	2.97E-06	9.17E-06

6705	436941.07	3762341.77	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.90E-06	8.96E-06
6706	436944.76	3762332.84	3.42E-05	1.17E-04	5.32E-06	1.91E-05	2.86E-06	8.84E-06
6707	436948.44	3762323.92	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.73E-06
6708	436952.12	3762314.99	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.61E-06
6709	436968.39	3762293.39	3.26E-05	1.11E-04	5.07E-06	1.82E-05	2.73E-06	8.43E-06
6710	436995.1	3762282.18	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.58E-06
6711	437004.01	3762278.44	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.79E-06	8.62E-06
6712	437012.91	3762274.7	3.35E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.66E-06
6713	437021.82	3762270.96	3.36E-05	1.15E-04	5.23E-06	1.87E-05	2.82E-06	8.69E-06
6714	437030.72	3762267.23	3.37E-05	1.15E-04	5.24E-06	1.88E-05	2.82E-06	8.72E-06
6715	437039.63	3762263.49	3.38E-05	1.15E-04	5.26E-06	1.88E-05	2.83E-06	8.74E-06
6716	437048.53	3762259.75	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.76E-06
6717	437057.44	3762256.01	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.77E-06
6718	437066.34	3762252.27	3.4E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.78E-06
6719	437075.25	3762248.54	3.4E-05	1.16E-04	5.28E-06	1.89E-05	2.85E-06	8.78E-06
6720	437084.15	3762244.8	3.4E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.78E-06
6721	437093.06	3762241.06	3.4E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.78E-06
6722	437101.96	3762237.32	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.76E-06
6723	437110.87	3762233.58	3.38E-05	1.15E-04	5.26E-06	1.89E-05	2.83E-06	8.75E-06
6724	437119.77	3762229.85	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.72E-06
6725	437128.68	3762226.11	3.37E-05	1.15E-04	5.23E-06	1.87E-05	2.82E-06	8.70E-06
6726	437137.58	3762222.37	3.35E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.66E-06
6727	437146.49	3762218.63	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.80E-06	8.63E-06
6728	437155.39	3762214.89	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.59E-06
6729	437164.3	3762211.16	3.31E-05	1.13E-04	5.14E-06	1.84E-05	2.77E-06	8.54E-06
6730	437173.2	3762207.42	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.75E-06	8.49E-06
6731	437182.11	3762203.68	3.27E-05	1.11E-04	5.07E-06	1.82E-05	2.73E-06	8.44E-06
6732	437191.01	3762199.94	3.24E-05	1.11E-04	5.04E-06	1.81E-05	2.72E-06	8.38E-06
6733	437199.92	3762196.2	3.22E-05	1.10E-04	5.01E-06	1.79E-05	2.70E-06	8.32E-06
6734	437208.83	3762192.47	3.2E-05	1.09E-04	4.97E-06	1.78E-05	2.68E-06	8.27E-06
6735	437217.73	3762188.73	3.18E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.20E-06
6736	437226.64	3762184.99	3.15E-05	1.07E-04	4.90E-06	1.76E-05	2.64E-06	8.14E-06
6737	437235.54	3762181.25	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6738	437244.45	3762177.51	3.1E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.01E-06
6739	437253.35	3762173.78	3.08E-05	1.05E-04	4.78E-06	1.71E-05	2.58E-06	7.95E-06
6740	437262.26	3762170.04	3.05E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.89E-06
6741	437271.16	3762166.3	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
6742	437280.07	3762162.56	3.01E-05	1.03E-04	4.67E-06	1.67E-05	2.52E-06	7.77E-06
6743	437288.97	3762158.83	2.98E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
6744	437297.88	3762155.09	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.65E-06
6745	437306.78	3762151.35	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.59E-06
6746	437315.69	3762147.61	2.92E-05	9.95E-05	4.53E-06	1.62E-05	2.44E-06	7.54E-06
6747	437324.59	3762143.87	2.9E-05	9.88E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
6748	437333.5	3762140.14	2.88E-05	9.81E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
6749	437342.4	3762136.4	2.86E-05	9.74E-05	4.44E-06	1.59E-05	2.39E-06	7.38E-06
6750	437351.31	3762132.66	2.84E-05	9.68E-05	4.41E-06	1.58E-05	2.38E-06	7.34E-06
6751	436793.8	3762708.61	4.65E-05	1.59E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6752	436793.8	3762718.3	4.68E-05	1.60E-04	7.27E-06	2.61E-05	3.92E-06	1.21E-05
6753	436793.8	3762728	4.7E-05	1.60E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
6754	436793.8	3762737.69	4.72E-05	1.61E-04	7.34E-06	2.63E-05	3.95E-06	1.22E-05
6755	436793.8	3762747.39	4.74E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.23E-05
6756	436793.8	3762757.09	4.75E-05	1.62E-04	7.38E-06	2.65E-05	3.98E-06	1.23E-05

6757	436793.8	3762766.78	4.76E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
6758	436793.8	3762776.48	4.76E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
6759	436793.8	3762786.17	4.75E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
6760	436793.8	3762795.87	4.75E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.23E-05
6761	436793.8	3762805.56	4.73E-05	1.61E-04	7.35E-06	2.64E-05	3.96E-06	1.22E-05
6762	436793.8	3762815.26	4.72E-05	1.61E-04	7.33E-06	2.63E-05	3.95E-06	1.22E-05
6763	436793.8	3762824.96	4.7E-05	1.60E-04	7.30E-06	2.62E-05	3.93E-06	1.21E-05
6764	436793.8	3762834.65	4.67E-05	1.59E-04	7.26E-06	2.60E-05	3.91E-06	1.21E-05
6765	436793.8	3762844.35	4.65E-05	1.59E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6766	436793.8	3762854.04	4.62E-05	1.58E-04	7.18E-06	2.57E-05	3.87E-06	1.19E-05
6767	436767.43	3762690.1	4.25E-05	1.45E-04	6.61E-06	2.37E-05	3.56E-06	1.10E-05
6768	436771.07	3762681.29	4.27E-05	1.45E-04	6.63E-06	2.38E-05	3.57E-06	1.10E-05
6769	436774.7	3762672.48	4.27E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6770	436778.33	3762663.67	4.28E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6771	436781.97	3762654.86	4.28E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6772	436785.6	3762646.04	4.27E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6773	436789.23	3762637.23	4.26E-05	1.45E-04	6.63E-06	2.38E-05	3.57E-06	1.10E-05
6774	436792.87	3762628.42	4.25E-05	1.45E-04	6.61E-06	2.37E-05	3.56E-06	1.10E-05
6775	436796.5	3762619.61	4.24E-05	1.45E-04	6.59E-06	2.36E-05	3.55E-06	1.10E-05
6776	436800.13	3762610.8	4.22E-05	1.44E-04	6.56E-06	2.35E-05	3.54E-06	1.09E-05
6777	436803.77	3762601.99	4.2E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
6778	436807.4	3762593.18	4.18E-05	1.43E-04	6.49E-06	2.33E-05	3.50E-06	1.08E-05
6779	436811.03	3762584.37	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
6780	436814.67	3762575.56	4.12E-05	1.41E-04	6.41E-06	2.30E-05	3.45E-06	1.07E-05
6781	436818.3	3762566.75	4.1E-05	1.40E-04	6.36E-06	2.28E-05	3.43E-06	1.06E-05
6782	436821.93	3762557.93	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.40E-06	1.05E-05
6783	436825.57	3762549.12	4.04E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
6784	436829.2	3762540.31	4.01E-05	1.37E-04	6.23E-06	2.23E-05	3.35E-06	1.04E-05
6785	436832.83	3762531.5	3.98E-05	1.36E-04	6.18E-06	2.22E-05	3.33E-06	1.03E-05
6786	436836.47	3762522.69	3.95E-05	1.35E-04	6.14E-06	2.20E-05	3.31E-06	1.02E-05
6787	436840.1	3762513.88	3.92E-05	1.34E-04	6.09E-06	2.18E-05	3.28E-06	1.01E-05
6788	436843.73	3762505.07	3.89E-05	1.33E-04	6.04E-06	2.16E-05	3.25E-06	1.00E-05
6789	436847.37	3762496.26	3.85E-05	1.31E-04	5.99E-06	2.15E-05	3.23E-06	9.96E-06
6790	436851	3762487.45	3.82E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.87E-06
6791	436854.63	3762478.64	3.79E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.79E-06
6792	436858.27	3762469.82	3.75E-05	1.28E-04	5.83E-06	2.09E-05	3.14E-06	9.70E-06
6793	436872.8	3762434.58	3.62E-05	1.23E-04	5.62E-06	2.01E-05	3.03E-06	9.35E-06
6794	436876.43	3762425.77	3.58E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.26E-06
6795	436880.07	3762416.96	3.55E-05	1.21E-04	5.51E-06	1.98E-05	2.97E-06	9.17E-06
6796	436883.7	3762408.15	3.51E-05	1.20E-04	5.46E-06	1.96E-05	2.94E-06	9.08E-06
6797	436887.34	3762399.34	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.91E-06	8.99E-06
6798	436890.97	3762390.53	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.90E-06
6799	436894.6	3762381.72	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.86E-06	8.82E-06
6800	436898.24	3762372.9	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.74E-06
6801	436901.87	3762364.09	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.79E-06	8.62E-06
6802	436905.5	3762355.28	3.3E-05	1.13E-04	5.13E-06	1.84E-05	2.77E-06	8.54E-06
6803	436909.14	3762346.47	3.27E-05	1.12E-04	5.08E-06	1.82E-05	2.74E-06	8.45E-06
6804	436912.77	3762337.66	3.24E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.36E-06
6805	436916.4	3762328.85	3.2E-05	1.09E-04	4.98E-06	1.78E-05	2.68E-06	8.27E-06
6806	436920.04	3762320.04	3.17E-05	1.08E-04	4.92E-06	1.76E-05	2.65E-06	8.18E-06
6807	436923.67	3762311.23	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6808	436927.3	3762302.42	3.09E-05	1.05E-04	4.80E-06	1.72E-05	2.59E-06	7.98E-06

6809	436930.94	3762293.61	3.05E-05	1.04E-04	4.74E-06	1.70E-05	2.55E-06	7.88E-06
6810	436934.57	3762284.79	3.01E-05	1.03E-04	4.68E-06	1.68E-05	2.52E-06	7.79E-06
6811	436946.99	3762272.29	3E-05	1.02E-04	4.66E-06	1.67E-05	2.51E-06	7.75E-06
6812	436982.14	3762257.54	3.07E-05	1.05E-04	4.76E-06	1.71E-05	2.57E-06	7.92E-06
6813	436990.93	3762253.85	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.96E-06
6814	436999.72	3762250.16	3.09E-05	1.05E-04	4.81E-06	1.72E-05	2.59E-06	7.99E-06
6815	437008.51	3762246.47	3.1E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
6816	437017.29	3762242.78	3.11E-05	1.06E-04	4.83E-06	1.73E-05	2.60E-06	8.04E-06
6817	437026.08	3762239.1	3.12E-05	1.06E-04	4.85E-06	1.74E-05	2.61E-06	8.06E-06
6818	437034.87	3762235.41	3.12E-05	1.07E-04	4.85E-06	1.74E-05	2.61E-06	8.07E-06
6819	437043.66	3762231.72	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6820	437052.45	3762228.03	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6821	437061.23	3762224.34	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6822	437070.02	3762220.65	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6823	437078.81	3762216.96	3.12E-05	1.07E-04	4.85E-06	1.74E-05	2.61E-06	8.07E-06
6824	437087.6	3762213.27	3.12E-05	1.06E-04	4.85E-06	1.74E-05	2.61E-06	8.06E-06
6825	437096.39	3762209.59	3.11E-05	1.06E-04	4.84E-06	1.73E-05	2.61E-06	8.04E-06
6826	437105.17	3762205.9	3.1E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
6827	437113.96	3762202.21	3.09E-05	1.06E-04	4.81E-06	1.72E-05	2.59E-06	8.00E-06
6828	437122.75	3762198.52	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.97E-06
6829	437131.54	3762194.83	3.07E-05	1.05E-04	4.77E-06	1.71E-05	2.57E-06	7.94E-06
6830	437140.32	3762191.14	3.06E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.90E-06
6831	437149.11	3762187.45	3.04E-05	1.04E-04	4.73E-06	1.69E-05	2.55E-06	7.86E-06
6832	437157.9	3762183.76	3.02E-05	1.03E-04	4.70E-06	1.69E-05	2.53E-06	7.82E-06
6833	437166.69	3762180.08	3.01E-05	1.03E-04	4.67E-06	1.68E-05	2.52E-06	7.77E-06
6834	437175.48	3762176.39	2.99E-05	1.02E-04	4.64E-06	1.67E-05	2.50E-06	7.72E-06
6835	437184.26	3762172.7	2.97E-05	1.01E-04	4.61E-06	1.65E-05	2.49E-06	7.67E-06
6836	437193.05	3762169.01	2.95E-05	1.01E-04	4.58E-06	1.64E-05	2.47E-06	7.62E-06
6837	437201.84	3762165.32	2.93E-05	9.99E-05	4.55E-06	1.63E-05	2.45E-06	7.57E-06
6838	437210.63	3762161.63	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
6839	437219.42	3762157.94	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
6840	437228.2	3762154.25	2.87E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.41E-06
6841	437236.99	3762150.56	2.84E-05	9.70E-05	4.42E-06	1.58E-05	2.38E-06	7.35E-06
6842	437245.78	3762146.88	2.82E-05	9.62E-05	4.39E-06	1.57E-05	2.36E-06	7.29E-06
6843	437254.57	3762143.19	2.8E-05	9.55E-05	4.35E-06	1.56E-05	2.34E-06	7.24E-06
6844	437263.36	3762139.5	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.18E-06
6845	437272.14	3762135.81	2.76E-05	9.41E-05	4.29E-06	1.54E-05	2.31E-06	7.13E-06
6846	437280.93	3762132.12	2.74E-05	9.34E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
6847	437289.72	3762128.43	2.72E-05	9.27E-05	4.23E-06	1.51E-05	2.28E-06	7.03E-06
6848	437298.51	3762124.74	2.7E-05	9.21E-05	4.20E-06	1.50E-05	2.26E-06	6.98E-06
6849	437307.3	3762121.05	2.68E-05	9.14E-05	4.17E-06	1.49E-05	2.24E-06	6.93E-06
6850	437316.08	3762117.37	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
6851	437324.87	3762113.68	2.65E-05	9.02E-05	4.11E-06	1.47E-05	2.22E-06	6.84E-06
6852	437333.66	3762109.99	2.63E-05	8.97E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06
6853	437342.45	3762106.3	2.61E-05	8.91E-05	4.06E-06	1.46E-05	2.19E-06	6.75E-06
6854	437351.23	3762102.61	2.6E-05	8.86E-05	4.04E-06	1.45E-05	2.18E-06	6.71E-06
6855	436763.8	3762698.91	4.24E-05	1.45E-04	6.59E-06	2.36E-05	3.55E-06	1.10E-05
6856	436763.8	3762708.61	4.27E-05	1.46E-04	6.63E-06	2.38E-05	3.57E-06	1.10E-05
6857	436763.8	3762718.3	4.29E-05	1.46E-04	6.67E-06	2.39E-05	3.59E-06	1.11E-05
6858	436763.8	3762728	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
6859	436763.8	3762737.69	4.33E-05	1.48E-04	6.72E-06	2.41E-05	3.62E-06	1.12E-05
6860	436763.8	3762747.39	4.34E-05	1.48E-04	6.74E-06	2.42E-05	3.63E-06	1.12E-05

6861	436763.8	3762757.09	4.35E-05	1.48E-04	6.75E-06	2.42E-05	3.64E-06	1.12E-05
6862	436763.8	3762766.78	4.35E-05	1.48E-04	6.76E-06	2.42E-05	3.64E-06	1.12E-05
6863	436763.8	3762776.48	4.35E-05	1.48E-04	6.76E-06	2.42E-05	3.64E-06	1.12E-05
6864	436763.8	3762786.17	4.35E-05	1.48E-04	6.75E-06	2.42E-05	3.64E-06	1.12E-05
6865	436763.8	3762795.87	4.34E-05	1.48E-04	6.74E-06	2.42E-05	3.63E-06	1.12E-05
6866	436763.8	3762805.56	4.33E-05	1.48E-04	6.72E-06	2.41E-05	3.62E-06	1.12E-05
6867	436763.8	3762815.26	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
6868	436763.8	3762824.96	4.3E-05	1.46E-04	6.68E-06	2.39E-05	3.60E-06	1.11E-05
6869	436763.8	3762834.65	4.28E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6870	436763.8	3762844.35	4.25E-05	1.45E-04	6.61E-06	2.37E-05	3.56E-06	1.10E-05
6871	436763.8	3762854.04	4.23E-05	1.44E-04	6.57E-06	2.36E-05	3.54E-06	1.09E-05
6872	436727.45	3762690.06	3.83E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.88E-06
6873	436731.1	3762681.22	3.84E-05	1.31E-04	5.96E-06	2.14E-05	3.21E-06	9.91E-06
6874	436734.74	3762672.37	3.84E-05	1.31E-04	5.97E-06	2.14E-05	3.22E-06	9.93E-06
6875	436738.39	3762663.53	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6876	436742.04	3762654.68	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6877	436745.69	3762645.84	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6878	436749.33	3762636.99	3.84E-05	1.31E-04	5.97E-06	2.14E-05	3.22E-06	9.93E-06
6879	436752.98	3762628.15	3.83E-05	1.31E-04	5.96E-06	2.14E-05	3.21E-06	9.91E-06
6880	436756.63	3762619.3	3.82E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.88E-06
6881	436760.28	3762610.45	3.81E-05	1.30E-04	5.92E-06	2.12E-05	3.19E-06	9.85E-06
6882	436763.92	3762601.61	3.8E-05	1.29E-04	5.90E-06	2.11E-05	3.18E-06	9.81E-06
6883	436767.57	3762592.76	3.78E-05	1.29E-04	5.87E-06	2.11E-05	3.16E-06	9.77E-06
6884	436771.22	3762583.92	3.76E-05	1.28E-04	5.84E-06	2.09E-05	3.15E-06	9.72E-06
6885	436774.87	3762575.07	3.74E-05	1.27E-04	5.81E-06	2.08E-05	3.13E-06	9.66E-06
6886	436778.51	3762566.23	3.72E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.60E-06
6887	436782.16	3762557.38	3.69E-05	1.26E-04	5.73E-06	2.06E-05	3.09E-06	9.54E-06
6888	436785.81	3762548.54	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.47E-06
6889	436789.46	3762539.69	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.05E-06	9.40E-06
6890	436793.11	3762530.85	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.33E-06
6891	436796.75	3762522	3.59E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.27E-06
6892	436800.4	3762513.15	3.56E-05	1.21E-04	5.53E-06	1.98E-05	2.98E-06	9.20E-06
6893	436804.05	3762504.31	3.53E-05	1.20E-04	5.49E-06	1.97E-05	2.96E-06	9.12E-06
6894	436807.7	3762495.46	3.5E-05	1.19E-04	5.44E-06	1.95E-05	2.93E-06	9.05E-06
6895	436811.34	3762486.62	3.47E-05	1.18E-04	5.40E-06	1.93E-05	2.91E-06	8.97E-06
6896	436814.99	3762477.77	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.90E-06
6897	436818.64	3762468.93	3.42E-05	1.17E-04	5.31E-06	1.90E-05	2.86E-06	8.83E-06
6898	436822.29	3762460.08	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.76E-06
6899	436840.52	3762415.85	3.24E-05	1.11E-04	5.04E-06	1.81E-05	2.72E-06	8.38E-06
6900	436844.17	3762407.01	3.21E-05	1.10E-04	4.99E-06	1.79E-05	2.69E-06	8.31E-06
6901	436847.82	3762398.16	3.18E-05	1.09E-04	4.95E-06	1.77E-05	2.66E-06	8.22E-06
6902	436851.47	3762389.32	3.15E-05	1.07E-04	4.90E-06	1.76E-05	2.64E-06	8.15E-06
6903	436855.11	3762380.47	3.12E-05	1.07E-04	4.85E-06	1.74E-05	2.61E-06	8.07E-06
6904	436858.76	3762371.63	3.1E-05	1.06E-04	4.81E-06	1.72E-05	2.59E-06	8.00E-06
6905	436862.41	3762362.78	3.05E-05	1.04E-04	4.74E-06	1.70E-05	2.55E-06	7.89E-06
6906	436866.06	3762353.93	3.03E-05	1.03E-04	4.70E-06	1.69E-05	2.53E-06	7.82E-06
6907	436869.71	3762345.09	3E-05	1.02E-04	4.66E-06	1.67E-05	2.51E-06	7.75E-06
6908	436873.35	3762336.24	2.97E-05	1.01E-04	4.61E-06	1.65E-05	2.49E-06	7.67E-06
6909	436877	3762327.4	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.60E-06
6910	436880.65	3762318.55	2.91E-05	9.94E-05	4.53E-06	1.62E-05	2.44E-06	7.53E-06
6911	436884.3	3762309.71	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.42E-06	7.46E-06
6912	436887.94	3762300.86	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06

6913	436891.59	3762292.02	2.83E-05	9.65E-05	4.40E-06	1.58E-05	2.37E-06	7.31E-06
6914	436895.24	3762283.17	2.8E-05	9.55E-05	4.35E-06	1.56E-05	2.34E-06	7.24E-06
6915	436898.89	3762274.32	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
6916	436902.53	3762265.48	2.74E-05	9.35E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
6917	436906.18	3762256.63	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
6918	436918.65	3762244.09	2.7E-05	9.20E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
6919	436953.94	3762229.27	2.75E-05	9.39E-05	4.28E-06	1.53E-05	2.31E-06	7.12E-06
6920	436962.76	3762225.57	2.77E-05	9.43E-05	4.30E-06	1.54E-05	2.31E-06	7.15E-06
6921	436971.59	3762221.87	2.78E-05	9.47E-05	4.31E-06	1.55E-05	2.32E-06	7.17E-06
6922	436980.41	3762218.16	2.78E-05	9.50E-05	4.33E-06	1.55E-05	2.33E-06	7.20E-06
6923	436989.23	3762214.46	2.79E-05	9.53E-05	4.34E-06	1.56E-05	2.34E-06	7.22E-06
6924	436998.05	3762210.76	2.8E-05	9.55E-05	4.35E-06	1.56E-05	2.34E-06	7.24E-06
6925	437006.88	3762207.05	2.81E-05	9.57E-05	4.36E-06	1.56E-05	2.35E-06	7.25E-06
6926	437015.7	3762203.35	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.26E-06
6927	437024.52	3762199.65	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
6928	437033.34	3762195.94	2.81E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
6929	437042.17	3762192.24	2.81E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
6930	437050.99	3762188.54	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.27E-06
6931	437059.81	3762184.83	2.81E-05	9.58E-05	4.36E-06	1.56E-05	2.35E-06	7.26E-06
6932	437068.63	3762181.13	2.8E-05	9.56E-05	4.36E-06	1.56E-05	2.35E-06	7.24E-06
6933	437077.45	3762177.43	2.8E-05	9.54E-05	4.35E-06	1.56E-05	2.34E-06	7.23E-06
6934	437086.28	3762173.72	2.79E-05	9.51E-05	4.34E-06	1.55E-05	2.34E-06	7.21E-06
6935	437095.1	3762170.02	2.78E-05	9.49E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
6936	437103.92	3762166.32	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
6937	437112.74	3762162.61	2.76E-05	9.42E-05	4.29E-06	1.54E-05	2.31E-06	7.14E-06
6938	437121.57	3762158.91	2.75E-05	9.38E-05	4.27E-06	1.53E-05	2.30E-06	7.10E-06
6939	437130.39	3762155.21	2.74E-05	9.33E-05	4.25E-06	1.52E-05	2.29E-06	7.07E-06
6940	437139.21	3762151.5	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
6941	437148.03	3762147.8	2.71E-05	9.23E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
6942	437156.86	3762144.1	2.69E-05	9.18E-05	4.18E-06	1.50E-05	2.25E-06	6.95E-06
6943	437165.68	3762140.39	2.68E-05	9.12E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
6944	437174.5	3762136.69	2.66E-05	9.07E-05	4.13E-06	1.48E-05	2.23E-06	6.87E-06
6945	437183.32	3762132.99	2.64E-05	9.01E-05	4.11E-06	1.47E-05	2.21E-06	6.83E-06
6946	437192.15	3762129.28	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
6947	437200.97	3762125.58	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.73E-06
6948	437209.79	3762121.88	2.59E-05	8.82E-05	4.02E-06	1.44E-05	2.17E-06	6.68E-06
6949	437218.61	3762118.17	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
6950	437227.44	3762114.47	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.59E-06
6951	437236.26	3762110.77	2.53E-05	8.63E-05	3.93E-06	1.41E-05	2.12E-06	6.54E-06
6952	437245.08	3762107.06	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
6953	437253.9	3762103.36	2.49E-05	8.50E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
6954	437262.72	3762099.66	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
6955	437271.55	3762095.96	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
6956	437280.37	3762092.25	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
6957	437289.19	3762088.55	2.43E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
6958	436723.8	3762698.91	3.81E-05	1.30E-04	5.92E-06	2.12E-05	3.19E-06	9.85E-06
6959	436723.8	3762708.61	3.83E-05	1.31E-04	5.95E-06	2.13E-05	3.21E-06	9.90E-06
6960	436723.8	3762718.3	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6961	436723.8	3762728	3.86E-05	1.32E-04	6.00E-06	2.15E-05	3.23E-06	9.98E-06
6962	436723.8	3762737.69	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
6963	436723.8	3762747.39	3.88E-05	1.32E-04	6.03E-06	2.16E-05	3.25E-06	1.00E-05
6964	436723.8	3762757.09	3.89E-05	1.33E-04	6.04E-06	2.16E-05	3.25E-06	1.00E-05

6965	436723.8	3762766.78	3.89E-05	1.33E-04	6.04E-06	2.17E-05	3.25E-06	1.00E-05
6966	436723.8	3762776.48	3.89E-05	1.33E-04	6.04E-06	2.17E-05	3.25E-06	1.00E-05
6967	436723.8	3762786.17	3.88E-05	1.32E-04	6.03E-06	2.16E-05	3.25E-06	1.00E-05
6968	436723.8	3762795.87	3.88E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
6969	436723.8	3762805.56	3.87E-05	1.32E-04	6.01E-06	2.15E-05	3.24E-06	9.99E-06
6970	436723.8	3762815.26	3.85E-05	1.31E-04	5.99E-06	2.15E-05	3.23E-06	9.96E-06
6971	436723.8	3762824.96	3.84E-05	1.31E-04	5.96E-06	2.14E-05	3.21E-06	9.92E-06
6972	436723.8	3762834.65	3.82E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.87E-06
6973	436723.8	3762844.35	3.8E-05	1.30E-04	5.91E-06	2.12E-05	3.18E-06	9.83E-06
6974	436723.8	3762854.04	3.78E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.77E-06
6975	436687.46	3762690.03	3.46E-05	1.18E-04	5.37E-06	1.93E-05	2.89E-06	8.94E-06
6976	436691.12	3762681.16	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.90E-06	8.96E-06
6977	436694.78	3762672.28	3.48E-05	1.19E-04	5.40E-06	1.94E-05	2.91E-06	8.99E-06
6978	436698.44	3762663.41	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.92E-06	9.00E-06
6979	436702.1	3762654.53	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.01E-06
6980	436705.76	3762645.65	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.01E-06
6981	436709.42	3762636.78	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.01E-06
6982	436713.08	3762627.9	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.91E-06	8.99E-06
6983	436716.74	3762619.02	3.47E-05	1.18E-04	5.40E-06	1.93E-05	2.91E-06	8.97E-06
6984	436720.4	3762610.15	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.95E-06
6985	436724.06	3762601.27	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.92E-06
6986	436727.72	3762592.4	3.44E-05	1.17E-04	5.34E-06	1.91E-05	2.88E-06	8.88E-06
6987	436731.38	3762583.52	3.42E-05	1.17E-04	5.31E-06	1.90E-05	2.86E-06	8.84E-06
6988	436735.04	3762574.64	3.4E-05	1.16E-04	5.29E-06	1.90E-05	2.85E-06	8.79E-06
6989	436738.7	3762565.77	3.38E-05	1.15E-04	5.26E-06	1.88E-05	2.83E-06	8.74E-06
6990	436742.36	3762556.89	3.36E-05	1.15E-04	5.23E-06	1.87E-05	2.82E-06	8.69E-06
6991	436746.03	3762548.01	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.80E-06	8.64E-06
6992	436749.69	3762539.14	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.58E-06
6993	436753.35	3762530.26	3.3E-05	1.12E-04	5.12E-06	1.84E-05	2.76E-06	8.52E-06
6994	436757.01	3762521.39	3.27E-05	1.12E-04	5.09E-06	1.82E-05	2.74E-06	8.46E-06
6995	436760.67	3762512.51	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
6996	436764.33	3762503.63	3.23E-05	1.10E-04	5.01E-06	1.80E-05	2.70E-06	8.33E-06
6997	436767.99	3762494.76	3.2E-05	1.09E-04	4.97E-06	1.78E-05	2.68E-06	8.27E-06
6998	436771.65	3762485.88	3.18E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.20E-06
6999	436775.31	3762477	3.15E-05	1.07E-04	4.90E-06	1.76E-05	2.64E-06	8.14E-06
7000	436778.97	3762468.13	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
7001	436782.63	3762459.25	3.1E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
7002	436786.29	3762450.38	3.08E-05	1.05E-04	4.78E-06	1.71E-05	2.58E-06	7.95E-06
7003	436789.95	3762441.5	3.05E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.89E-06
7004	436793.61	3762432.62	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
7005	436811.91	3762388.24	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
7006	436815.57	3762379.37	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
7007	436819.23	3762370.49	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.39E-06	7.39E-06
7008	436822.89	3762361.61	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
7009	436826.55	3762352.74	2.81E-05	9.58E-05	4.36E-06	1.56E-05	2.35E-06	7.26E-06
7010	436830.21	3762343.86	2.78E-05	9.49E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
7011	436833.87	3762334.98	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
7012	436837.53	3762326.11	2.73E-05	9.31E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
7013	436841.19	3762317.23	2.71E-05	9.23E-05	4.21E-06	1.51E-05	2.27E-06	6.99E-06
7014	436844.85	3762308.36	2.68E-05	9.15E-05	4.17E-06	1.49E-05	2.25E-06	6.93E-06
7015	436848.51	3762299.48	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.87E-06
7016	436852.17	3762290.6	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.81E-06

7017	436855.83	3762281.73	2.61E-05	8.90E-05	4.06E-06	1.45E-05	2.18E-06	6.74E-06
7018	436859.49	3762272.85	2.59E-05	8.82E-05	4.02E-06	1.44E-05	2.16E-06	6.68E-06
7019	436863.15	3762263.97	2.56E-05	8.73E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
7020	436866.82	3762255.1	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
7021	436870.48	3762246.22	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
7022	436874.14	3762237.35	2.48E-05	8.47E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
7023	436877.8	3762228.47	2.45E-05	8.37E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
7024	436890.31	3762215.88	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
7025	436925.72	3762201.01	2.49E-05	8.48E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
7026	436934.57	3762197.3	2.5E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
7027	436943.43	3762193.58	2.5E-05	8.54E-05	3.89E-06	1.40E-05	2.10E-06	6.47E-06
7028	436952.28	3762189.86	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
7029	436961.13	3762186.15	2.52E-05	8.59E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
7030	436969.99	3762182.43	2.53E-05	8.61E-05	3.93E-06	1.41E-05	2.11E-06	6.53E-06
7031	436978.84	3762178.72	2.53E-05	8.63E-05	3.93E-06	1.41E-05	2.12E-06	6.54E-06
7032	436987.69	3762175	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
7033	436996.55	3762171.28	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.56E-06
7034	437005.4	3762167.57	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
7035	437014.25	3762163.85	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
7036	437023.1	3762160.14	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
7037	437031.96	3762156.42	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.56E-06
7038	437120.49	3762119.26	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.07E-06	6.38E-06
7039	437129.34	3762115.54	2.46E-05	8.37E-05	3.82E-06	1.37E-05	2.06E-06	6.34E-06
7040	437138.19	3762111.83	2.44E-05	8.33E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
7041	437147.05	3762108.11	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
7042	437155.9	3762104.39	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.24E-06
7043	437164.75	3762100.68	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
7044	437173.61	3762096.96	2.38E-05	8.13E-05	3.70E-06	1.33E-05	2.00E-06	6.16E-06
7045	437182.46	3762093.25	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.12E-06
7046	437191.31	3762089.53	2.35E-05	8.02E-05	3.65E-06	1.31E-05	1.97E-06	6.08E-06
7047	437200.16	3762085.81	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
7048	436683.8	3762698.91	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.90E-06
7049	436683.8	3762708.61	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.94E-06
7050	436683.8	3762718.3	3.47E-05	1.18E-04	5.40E-06	1.94E-05	2.91E-06	8.98E-06
7051	436683.8	3762728	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.92E-06	9.00E-06
7052	436683.8	3762737.69	3.49E-05	1.19E-04	5.43E-06	1.95E-05	2.92E-06	9.02E-06
7053	436683.8	3762747.39	3.5E-05	1.19E-04	5.43E-06	1.95E-05	2.93E-06	9.04E-06
7054	436683.8	3762757.09	3.5E-05	1.19E-04	5.44E-06	1.95E-05	2.93E-06	9.04E-06
7055	436683.8	3762766.78	0.000035	1.19E-04	5.44E-06	1.95E-05	2.93E-06	9.04E-06
7056	436683.8	3762776.48	3.5E-05	1.19E-04	5.43E-06	1.95E-05	2.93E-06	9.04E-06
7057	436683.8	3762786.17	3.49E-05	1.19E-04	5.43E-06	1.95E-05	2.92E-06	9.02E-06
7058	436683.8	3762795.87	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.01E-06
7059	436683.8	3762805.56	3.48E-05	1.19E-04	5.40E-06	1.94E-05	2.91E-06	8.99E-06
7060	436683.8	3762815.26	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.90E-06	8.96E-06
7061	436683.8	3762824.96	3.46E-05	1.18E-04	5.37E-06	1.92E-05	2.89E-06	8.93E-06
7062	436683.8	3762834.65	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.89E-06
7063	436683.8	3762844.35	3.42E-05	1.17E-04	5.32E-06	1.91E-05	2.87E-06	8.85E-06
7064	436683.8	3762854.04	3.41E-05	1.16E-04	5.29E-06	1.90E-05	2.85E-06	8.80E-06
7065	436647.47	3762690.01	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
7066	436651.14	3762681.1	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.64E-06	8.16E-06
7067	436654.81	3762672.2	3.17E-05	1.08E-04	4.92E-06	1.76E-05	2.65E-06	8.18E-06
7068	436658.49	3762663.3	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.20E-06

7069	436662.16	3762654.39	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.21E-06
7070	436665.83	3762645.49	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.21E-06
7071	436669.5	3762636.58	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.21E-06
7072	436673.17	3762627.68	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.20E-06
7073	436676.84	3762618.78	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.65E-06	8.19E-06
7074	436680.52	3762609.87	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.65E-06	8.17E-06
7075	436684.19	3762600.97	3.15E-05	1.08E-04	4.90E-06	1.76E-05	2.64E-06	8.15E-06
7076	436687.86	3762592.07	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
7077	436691.53	3762583.16	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
7078	436695.2	3762574.26	3.11E-05	1.06E-04	4.84E-06	1.73E-05	2.61E-06	8.05E-06
7079	436698.87	3762565.35	3.1E-05	1.06E-04	4.81E-06	1.73E-05	2.59E-06	8.01E-06
7080	436702.55	3762556.45	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.96E-06
7081	436706.22	3762547.55	3.06E-05	1.04E-04	4.76E-06	1.71E-05	2.56E-06	7.92E-06
7082	436709.89	3762538.64	3.05E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.87E-06
7083	436713.56	3762529.74	3.03E-05	1.03E-04	4.70E-06	1.69E-05	2.53E-06	7.82E-06
7084	436717.23	3762520.84	3.01E-05	1.02E-04	4.67E-06	1.67E-05	2.52E-06	7.77E-06
7085	436720.9	3762511.93	2.98E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
7086	436724.58	3762503.03	2.96E-05	1.01E-04	4.61E-06	1.65E-05	2.48E-06	7.66E-06
7087	436728.25	3762494.12	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.60E-06
7088	436746.61	3762449.61	2.83E-05	9.66E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
7089	436750.28	3762440.7	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.27E-06
7090	436753.95	3762431.8	2.79E-05	9.52E-05	4.34E-06	1.56E-05	2.34E-06	7.21E-06
7091	436757.62	3762422.89	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
7092	436761.29	3762413.99	2.75E-05	9.38E-05	4.27E-06	1.53E-05	2.30E-06	7.11E-06
7093	436764.96	3762405.09	2.73E-05	9.31E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
7094	436790.67	3762342.76	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.69E-06
7095	436794.34	3762333.86	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
7096	436798.01	3762324.95	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
7097	436801.68	3762316.05	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
7098	436805.35	3762307.15	2.51E-05	8.55E-05	3.89E-06	1.40E-05	2.10E-06	6.48E-06
7099	436809.02	3762298.24	2.48E-05	8.47E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
7100	436812.7	3762289.34	2.46E-05	8.40E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
7101	436816.37	3762280.44	2.44E-05	8.33E-05	3.80E-06	1.36E-05	2.04E-06	6.31E-06
7102	436820.04	3762271.53	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
7103	436823.71	3762262.63	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
7104	436827.38	3762253.72	2.38E-05	8.11E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
7105	436831.05	3762244.82	2.35E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.08E-06
7106	436834.72	3762235.92	2.33E-05	7.95E-05	3.62E-06	1.30E-05	1.95E-06	6.02E-06
7107	436838.4	3762227.01	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.96E-06
7108	436842.07	3762218.11	2.28E-05	7.78E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
7109	436845.74	3762209.21	2.26E-05	7.70E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
7110	436849.41	3762200.3	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
7111	436861.96	3762187.67	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
7112	436897.49	3762172.76	2.26E-05	7.70E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
7113	436906.37	3762169.03	2.27E-05	7.74E-05	3.52E-06	1.26E-05	1.90E-06	5.86E-06
7114	436915.25	3762165.3	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
7115	436924.13	3762161.58	2.29E-05	7.80E-05	3.56E-06	1.27E-05	1.92E-06	5.91E-06
7116	436933.01	3762157.85	2.3E-05	7.83E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
7117	436941.89	3762154.12	2.3E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
7118	436950.77	3762150.39	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
7119	436959.65	3762146.67	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7120	436968.53	3762142.94	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06

7121	436977.41	3762139.21	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7122	436986.29	3762135.48	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7123	436995.17	3762131.76	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7124	437004.05	3762128.03	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7125	437012.93	3762124.3	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7126	437021.81	3762120.57	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.96E-06
7127	436643.8	3762698.91	3.13E-05	1.07E-04	4.87E-06	1.74E-05	2.62E-06	8.09E-06
7128	436643.8	3762708.61	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
7129	436643.8	3762718.3	3.15E-05	1.08E-04	4.90E-06	1.76E-05	2.64E-06	8.15E-06
7130	436643.8	3762728	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.65E-06	8.17E-06
7131	436643.8	3762737.69	3.17E-05	1.08E-04	4.92E-06	1.76E-05	2.65E-06	8.18E-06
7132	436643.8	3762747.39	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.65E-06	8.19E-06
7133	436643.8	3762757.09	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.65E-06	8.19E-06
7134	436643.8	3762766.78	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.65E-06	8.19E-06
7135	436643.8	3762776.48	3.17E-05	1.08E-04	4.92E-06	1.76E-05	2.65E-06	8.18E-06
7136	436643.8	3762786.17	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.65E-06	8.17E-06
7137	436643.8	3762795.87	3.16E-05	1.08E-04	4.90E-06	1.76E-05	2.64E-06	8.16E-06
7138	436643.8	3762805.56	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.64E-06	8.14E-06
7139	436643.8	3762815.26	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
7140	436643.8	3762824.96	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
7141	436643.8	3762834.65	3.12E-05	1.06E-04	4.84E-06	1.74E-05	2.61E-06	8.05E-06
7142	436643.8	3762844.35	3.1E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
7143	436643.8	3762854.04	3.09E-05	1.05E-04	4.80E-06	1.72E-05	2.58E-06	7.98E-06
7144	436607.48	3762689.98	2.87E-05	9.80E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
7145	436611.16	3762681.05	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
7146	436614.85	3762672.12	2.89E-05	9.87E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
7147	436618.53	3762663.2	2.9E-05	9.89E-05	4.51E-06	1.62E-05	2.43E-06	7.50E-06
7148	436622.21	3762654.27	2.91E-05	9.91E-05	4.52E-06	1.62E-05	2.43E-06	7.51E-06
7149	436625.89	3762645.34	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
7150	436629.57	3762636.41	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
7151	436633.25	3762627.48	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.43E-06	7.52E-06
7152	436636.94	3762618.55	2.91E-05	9.91E-05	4.51E-06	1.62E-05	2.43E-06	7.51E-06
7153	436640.62	3762609.63	2.9E-05	9.89E-05	4.51E-06	1.62E-05	2.43E-06	7.49E-06
7154	436644.3	3762600.7	2.89E-05	9.87E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
7155	436647.98	3762591.77	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
7156	436651.66	3762582.84	2.88E-05	9.80E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
7157	436655.35	3762573.91	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.40E-06	7.40E-06
7158	436659.03	3762564.98	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
7159	436662.71	3762556.05	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
7160	436666.39	3762547.13	2.82E-05	9.62E-05	4.38E-06	1.57E-05	2.36E-06	7.29E-06
7161	436670.07	3762538.2	2.81E-05	9.57E-05	4.36E-06	1.56E-05	2.35E-06	7.25E-06
7162	436673.75	3762529.27	2.79E-05	9.51E-05	4.33E-06	1.55E-05	2.33E-06	7.21E-06
7163	436677.44	3762520.34	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
7164	436681.12	3762511.41	2.75E-05	9.39E-05	4.28E-06	1.53E-05	2.31E-06	7.12E-06
7165	436684.8	3762502.48	2.74E-05	9.33E-05	4.25E-06	1.52E-05	2.29E-06	7.07E-06
7166	436688.48	3762493.56	2.72E-05	9.26E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
7167	436706.89	3762448.91	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
7168	436710.57	3762439.99	2.6E-05	8.86E-05	4.04E-06	1.45E-05	2.17E-06	6.71E-06
7169	436714.25	3762431.06	2.58E-05	8.80E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
7170	436717.94	3762422.13	2.56E-05	8.73E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
7171	436721.62	3762413.2	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
7172	436725.3	3762404.27	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06

7173	436728.98	3762395.34	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
7174	436732.66	3762386.41	2.49E-05	8.50E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
7175	436736.35	3762377.49	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
7176	436754.76	3762332.84	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
7177	436795.26	3762234.63	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
7178	436798.94	3762225.7	2.17E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
7179	436802.62	3762216.77	2.15E-05	7.35E-05	3.35E-06	1.20E-05	1.80E-06	5.57E-06
7180	436806.3	3762207.85	2.13E-05	7.28E-05	3.31E-06	1.19E-05	1.79E-06	5.51E-06
7181	436809.98	3762198.92	2.11E-05	7.20E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7182	436813.66	3762189.99	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7183	436817.35	3762181.06	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
7184	436821.03	3762172.13	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
7185	436833.62	3762159.47	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
7186	436860.33	3762148.25	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
7187	436869.24	3762144.51	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.35E-06
7188	436878.14	3762140.78	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
7189	436887.05	3762137.04	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
7190	436895.95	3762133.3	2.09E-05	7.14E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
7191	436904.86	3762129.56	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
7192	436913.76	3762125.82	2.11E-05	7.19E-05	3.27E-06	1.17E-05	1.76E-06	5.45E-06
7193	436922.67	3762122.09	2.11E-05	7.20E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7194	436931.57	3762118.35	2.12E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7195	436940.48	3762114.61	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7196	436949.38	3762110.87	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7197	436958.29	3762107.13	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7198	436967.19	3762103.4	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7199	436976.1	3762099.66	2.12E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7200	436985	3762095.92	2.11E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.46E-06
7201	436993.91	3762092.18	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7202	437261.06	3761980.04	1.83E-05	6.24E-05	2.85E-06	1.02E-05	1.53E-06	4.73E-06
7203	437269.96	3761976.3	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
7204	437278.87	3761972.57	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
7205	437287.77	3761968.83	1.8E-05	6.14E-05	2.80E-06	1.00E-05	1.51E-06	4.65E-06
7206	437296.68	3761965.09	1.79E-05	6.11E-05	2.78E-06	9.97E-06	1.50E-06	4.63E-06
7207	437305.58	3761961.35	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.61E-06
7208	437314.49	3761957.61	1.77E-05	6.05E-05	2.76E-06	9.89E-06	1.49E-06	4.59E-06
7209	437323.4	3761953.88	1.77E-05	6.03E-05	2.75E-06	9.85E-06	1.48E-06	4.57E-06
7210	437332.3	3761950.14	1.76E-05	6.01E-05	2.74E-06	9.81E-06	1.47E-06	4.55E-06
7211	437341.21	3761946.4	1.76E-05	5.99E-05	2.73E-06	9.78E-06	1.47E-06	4.54E-06
7212	437350.11	3761942.66	1.75E-05	5.97E-05	2.72E-06	9.75E-06	1.46E-06	4.52E-06
7213	436603.8	3762698.91	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.40E-06	7.40E-06
7214	436603.8	3762708.61	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
7215	436603.8	3762718.3	2.88E-05	9.82E-05	4.47E-06	1.60E-05	2.41E-06	7.44E-06
7216	436603.8	3762728	2.88E-05	9.84E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
7217	436603.8	3762737.69	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
7218	436603.8	3762747.39	2.89E-05	9.86E-05	4.49E-06	1.61E-05	2.42E-06	7.47E-06
7219	436603.8	3762757.09	2.89E-05	9.86E-05	4.49E-06	1.61E-05	2.42E-06	7.47E-06
7220	436603.8	3762766.78	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
7221	436603.8	3762776.48	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.42E-06	7.46E-06
7222	436603.8	3762786.17	2.88E-05	9.82E-05	4.48E-06	1.60E-05	2.41E-06	7.44E-06
7223	436603.8	3762795.87	2.87E-05	9.80E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
7224	436603.8	3762805.56	2.87E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.41E-06

7225	436603.8	3762815.26	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06
7226	436603.8	3762824.96	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
7227	436603.8	3762834.65	2.84E-05	9.68E-05	4.41E-06	1.58E-05	2.38E-06	7.33E-06
7228	436603.8	3762844.35	2.83E-05	9.64E-05	4.39E-06	1.57E-05	2.37E-06	7.30E-06
7229	436603.8	3762854.04	2.81E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
7230	436574.87	3762672.06	2.66E-05	9.07E-05	4.13E-06	1.48E-05	2.23E-06	6.87E-06
7231	436578.56	3762663.11	2.67E-05	9.09E-05	4.14E-06	1.48E-05	2.23E-06	6.89E-06
7232	436582.26	3762654.16	2.67E-05	9.11E-05	4.15E-06	1.49E-05	2.24E-06	6.90E-06
7233	436585.95	3762645.21	2.67E-05	9.12E-05	4.15E-06	1.49E-05	2.24E-06	6.91E-06
7234	436589.64	3762636.25	2.67E-05	9.12E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
7235	436593.33	3762627.3	2.67E-05	9.12E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
7236	436597.02	3762618.35	2.67E-05	9.12E-05	4.15E-06	1.49E-05	2.24E-06	6.91E-06
7237	436600.71	3762609.4	2.67E-05	9.10E-05	4.15E-06	1.49E-05	2.23E-06	6.90E-06
7238	436604.4	3762600.45	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
7239	436608.09	3762591.5	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.87E-06
7240	436611.78	3762582.55	2.65E-05	9.03E-05	4.12E-06	1.48E-05	2.22E-06	6.85E-06
7241	436615.47	3762573.6	2.64E-05	9.00E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06
7242	436619.17	3762564.65	2.63E-05	8.96E-05	4.08E-06	1.46E-05	2.20E-06	6.79E-06
7243	436622.86	3762555.7	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
7244	436626.55	3762546.75	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.73E-06
7245	436630.24	3762537.8	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
7246	436633.93	3762528.84	2.58E-05	8.80E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
7247	436637.62	3762519.89	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
7248	436641.31	3762510.94	2.55E-05	8.70E-05	3.96E-06	1.42E-05	2.13E-06	6.59E-06
7249	436645	3762501.99	2.53E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
7250	436648.69	3762493.04	2.52E-05	8.59E-05	3.91E-06	1.40E-05	2.11E-06	6.51E-06
7251	436652.39	3762484.09	2.5E-05	8.53E-05	3.89E-06	1.39E-05	2.09E-06	6.46E-06
7252	436667.15	3762448.29	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.03E-06	6.28E-06
7253	436670.84	3762439.34	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.24E-06
7254	436674.53	3762430.39	2.4E-05	8.17E-05	3.72E-06	1.33E-05	2.01E-06	6.19E-06
7255	436678.22	3762421.43	2.38E-05	8.11E-05	3.70E-06	1.32E-05	1.99E-06	6.14E-06
7256	436681.91	3762412.48	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
7257	436685.6	3762403.53	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
7258	436689.3	3762394.58	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
7259	436692.99	3762385.63	2.32E-05	7.90E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
7260	436707.75	3762349.83	2.26E-05	7.71E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
7261	436711.44	3762340.88	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
7262	436715.13	3762331.93	2.23E-05	7.60E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
7263	436718.82	3762322.98	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
7264	436722.52	3762314.02	2.2E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.68E-06
7265	436726.21	3762305.07	2.18E-05	7.44E-05	3.39E-06	1.22E-05	1.83E-06	5.64E-06
7266	436729.9	3762296.12	2.17E-05	7.39E-05	3.37E-06	1.21E-05	1.81E-06	5.60E-06
7267	436733.59	3762287.17	2.15E-05	7.34E-05	3.34E-06	1.20E-05	1.80E-06	5.56E-06
7268	436737.28	3762278.22	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7269	436740.97	3762269.27	2.12E-05	7.23E-05	3.30E-06	1.18E-05	1.78E-06	5.48E-06
7270	436744.66	3762260.32	2.11E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
7271	436748.35	3762251.37	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7272	436792.65	3762143.96	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.87E-06
7273	436805.26	3762131.26	1.87E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
7274	436832.05	3762120.02	1.9E-05	6.48E-05	2.95E-06	1.06E-05	1.59E-06	4.91E-06
7275	436840.97	3762116.27	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
7276	436849.9	3762112.52	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06

7277	436858.83	3762108.78	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
7278	436867.76	3762105.03	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.99E-06
7279	436876.68	3762101.28	1.94E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
7280	436885.61	3762097.53	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
7281	437162.36	3761981.37	1.79E-05	6.10E-05	2.78E-06	9.97E-06	1.50E-06	4.62E-06
7282	437171.29	3761977.62	1.78E-05	6.06E-05	2.76E-06	9.91E-06	1.49E-06	4.60E-06
7283	437180.22	3761973.87	1.77E-05	6.03E-05	2.75E-06	9.85E-06	1.48E-06	4.57E-06
7284	437189.14	3761970.13	1.76E-05	5.99E-05	2.73E-06	9.79E-06	1.47E-06	4.54E-06
7285	437198.07	3761966.38	1.75E-05	5.96E-05	2.71E-06	9.73E-06	1.46E-06	4.51E-06
7286	437207	3761962.63	1.74E-05	5.92E-05	2.70E-06	9.67E-06	1.45E-06	4.49E-06
7287	437215.93	3761958.88	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
7288	437224.85	3761955.14	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.43E-06
7289	437233.78	3761951.39	1.71E-05	5.82E-05	2.65E-06	9.50E-06	1.43E-06	4.41E-06
7290	437242.71	3761947.64	1.7E-05	5.78E-05	2.63E-06	9.45E-06	1.42E-06	4.38E-06
7291	437251.63	3761943.89	1.69E-05	5.75E-05	2.62E-06	9.39E-06	1.41E-06	4.36E-06
7292	437260.56	3761940.15	1.68E-05	5.72E-05	2.61E-06	9.35E-06	1.40E-06	4.33E-06
7293	437269.49	3761936.4	1.67E-05	5.69E-05	2.59E-06	9.30E-06	1.40E-06	4.31E-06
7294	437278.42	3761932.65	1.66E-05	5.66E-05	2.58E-06	9.25E-06	1.39E-06	4.29E-06
7295	437287.34	3761928.9	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
7296	437296.27	3761925.16	1.65E-05	5.61E-05	2.56E-06	9.17E-06	1.38E-06	4.25E-06
7297	437305.2	3761921.41	1.64E-05	5.59E-05	2.55E-06	9.13E-06	1.37E-06	4.24E-06
7298	437314.13	3761917.66	1.63E-05	5.57E-05	2.54E-06	9.10E-06	1.37E-06	4.22E-06
7299	437323.05	3761913.92	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
7300	437331.98	3761910.17	1.62E-05	5.53E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
7301	437340.91	3761906.42	1.62E-05	5.52E-05	2.51E-06	9.02E-06	1.35E-06	4.18E-06
7302	437349.84	3761902.67	1.61E-05	5.50E-05	2.51E-06	8.99E-06	1.35E-06	4.17E-06
7303	436527.44	3762690.07	2.43E-05	8.30E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
7304	436531.09	3762681.24	2.44E-05	8.34E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
7305	436534.73	3762672.4	2.45E-05	8.37E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
7306	436538.38	3762663.56	2.46E-05	8.39E-05	3.82E-06	1.37E-05	2.06E-06	6.36E-06
7307	436542.02	3762654.72	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
7308	436545.67	3762645.89	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
7309	436549.31	3762637.05	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
7310	436574.82	3762575.19	2.45E-05	8.35E-05	3.81E-06	1.36E-05	2.05E-06	6.33E-06
7311	436578.46	3762566.35	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
7312	436582.11	3762557.51	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.04E-06	6.28E-06
7313	436585.75	3762548.68	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
7314	436589.4	3762539.84	2.41E-05	8.22E-05	3.74E-06	1.34E-05	2.02E-06	6.23E-06
7315	436593.04	3762531	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
7316	436596.68	3762522.16	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
7317	436600.33	3762513.33	2.37E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
7318	436603.97	3762504.49	2.36E-05	8.05E-05	3.67E-06	1.32E-05	1.98E-06	6.10E-06
7319	436607.62	3762495.65	2.35E-05	8.00E-05	3.65E-06	1.31E-05	1.96E-06	6.07E-06
7320	436611.26	3762486.82	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
7321	436629.48	3762442.63	2.26E-05	7.71E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
7322	436633.13	3762433.79	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
7323	436636.77	3762424.95	2.23E-05	7.60E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
7324	436640.42	3762416.12	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
7325	436644.06	3762407.28	2.2E-05	7.50E-05	3.42E-06	1.23E-05	1.84E-06	5.68E-06
7326	436647.7	3762398.44	2.19E-05	7.45E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
7327	436651.35	3762389.61	2.17E-05	7.41E-05	3.37E-06	1.21E-05	1.82E-06	5.61E-06
7328	436665.93	3762354.26	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06

7329	436669.57	3762345.42	2.1E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
7330	436673.21	3762336.58	2.09E-05	7.13E-05	3.25E-06	1.17E-05	1.75E-06	5.40E-06
7331	436676.86	3762327.74	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
7332	436680.5	3762318.91	2.07E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
7333	436684.15	3762310.07	2.05E-05	7.00E-05	3.19E-06	1.14E-05	1.72E-06	5.30E-06
7334	436687.79	3762301.23	2.04E-05	6.95E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
7335	436691.43	3762292.4	2.02E-05	6.90E-05	3.15E-06	1.13E-05	1.69E-06	5.23E-06
7336	436695.08	3762283.56	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
7337	436698.72	3762274.72	2E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
7338	436702.37	3762265.88	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
7339	436706.01	3762257.05	1.97E-05	6.72E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
7340	436709.66	3762248.21	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
7341	436713.3	3762239.37	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
7342	436716.94	3762230.53	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
7343	436720.59	3762221.7	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
7344	436724.23	3762212.86	1.9E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
7345	436727.88	3762204.02	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.88E-06
7346	436731.52	3762195.19	1.88E-05	6.40E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06
7347	437067.64	3761981.02	1.74E-05	5.93E-05	2.70E-06	9.68E-06	1.46E-06	4.49E-06
7348	437076.46	3761977.32	1.73E-05	5.90E-05	2.69E-06	9.64E-06	1.45E-06	4.47E-06
7349	437085.27	3761973.62	1.72E-05	5.87E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
7350	437094.09	3761969.92	1.71E-05	5.84E-05	2.66E-06	9.55E-06	1.43E-06	4.43E-06
7351	437102.9	3761966.22	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
7352	437111.72	3761962.52	1.69E-05	5.78E-05	2.63E-06	9.44E-06	1.42E-06	4.38E-06
7353	437120.53	3761958.82	1.68E-05	5.74E-05	2.62E-06	9.39E-06	1.41E-06	4.35E-06
7354	437129.34	3761955.12	1.67E-05	5.71E-05	2.60E-06	9.33E-06	1.40E-06	4.33E-06
7355	437138.16	3761951.42	1.67E-05	5.68E-05	2.59E-06	9.28E-06	1.39E-06	4.30E-06
7356	437146.97	3761947.72	1.66E-05	5.65E-05	2.57E-06	9.23E-06	1.39E-06	4.28E-06
7357	437155.79	3761944.02	1.65E-05	5.62E-05	2.56E-06	9.17E-06	1.38E-06	4.26E-06
7358	437164.6	3761940.32	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
7359	437173.41	3761936.62	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
7360	437182.23	3761932.92	1.62E-05	5.52E-05	2.52E-06	9.02E-06	1.36E-06	4.18E-06
7361	437191.04	3761929.22	1.61E-05	5.49E-05	2.50E-06	8.97E-06	1.35E-06	4.16E-06
7362	437199.86	3761925.52	1.6E-05	5.46E-05	2.49E-06	8.92E-06	1.34E-06	4.14E-06
7363	437208.67	3761921.82	1.59E-05	5.43E-05	2.47E-06	8.87E-06	1.33E-06	4.11E-06
7364	437217.49	3761918.12	1.58E-05	5.40E-05	2.46E-06	8.82E-06	1.33E-06	4.09E-06
7365	437226.3	3761914.42	1.58E-05	5.37E-05	2.45E-06	8.77E-06	1.32E-06	4.07E-06
7366	437235.11	3761910.72	1.57E-05	5.34E-05	2.43E-06	8.73E-06	1.31E-06	4.05E-06
7367	437243.93	3761907.02	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.03E-06
7368	437252.74	3761903.32	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
7369	437261.56	3761899.62	1.54E-05	5.27E-05	2.40E-06	8.60E-06	1.29E-06	3.99E-06
7370	437270.37	3761895.92	1.54E-05	5.24E-05	2.39E-06	8.57E-06	1.29E-06	3.97E-06
7371	437279.18	3761892.22	1.53E-05	5.22E-05	2.38E-06	8.53E-06	1.28E-06	3.96E-06
7372	436523.8	3762698.91	2.42E-05	8.26E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
7373	436523.8	3762708.61	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
7374	436523.8	3762718.3	2.43E-05	8.30E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
7375	436523.8	3762728	2.44E-05	8.31E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
7376	436523.8	3762737.69	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
7377	436523.8	3762747.39	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
7378	436523.8	3762757.09	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
7379	436523.8	3762766.78	2.43E-05	8.30E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
7380	436523.8	3762776.48	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.03E-06	6.28E-06

7381	436523.8	3762786.17	2.43E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
7382	436523.8	3762795.87	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
7383	436523.8	3762805.56	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.24E-06
7384	436523.8	3762815.26	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.01E-06	6.22E-06
7385	436523.8	3762824.96	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
7386	436523.8	3762834.65	2.39E-05	8.15E-05	3.71E-06	1.33E-05	2.00E-06	6.18E-06
7387	436523.8	3762844.35	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
7388	436523.8	3762854.04	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
7389	436487.45	3762690.05	2.25E-05	7.69E-05	3.50E-06	1.26E-05	1.89E-06	5.83E-06
7390	436491.11	3762681.19	2.26E-05	7.72E-05	3.52E-06	1.26E-05	1.90E-06	5.85E-06
7391	436494.76	3762672.33	2.27E-05	7.75E-05	3.53E-06	1.27E-05	1.90E-06	5.87E-06
7392	436498.42	3762663.46	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
7393	436502.07	3762654.6	2.28E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
7394	436505.72	3762645.74	2.29E-05	7.81E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
7395	436509.38	3762636.88	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
7396	436513.03	3762628.02	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.93E-06
7397	436516.69	3762619.16	2.3E-05	7.83E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
7398	436520.34	3762610.3	2.29E-05	7.82E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
7399	436524	3762601.44	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
7400	436527.65	3762592.57	2.29E-05	7.81E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
7401	436531.3	3762583.71	2.29E-05	7.80E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
7402	436534.96	3762574.85	2.28E-05	7.78E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
7403	436538.61	3762565.99	2.27E-05	7.75E-05	3.53E-06	1.27E-05	1.90E-06	5.88E-06
7404	436542.27	3762557.13	2.27E-05	7.73E-05	3.52E-06	1.26E-05	1.90E-06	5.86E-06
7405	436545.92	3762548.27	2.26E-05	7.70E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
7406	436549.57	3762539.41	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
7407	436589.77	3762441.93	2.11E-05	7.20E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7408	436593.42	3762433.07	2.1E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
7409	436597.08	3762424.21	2.08E-05	7.11E-05	3.24E-06	1.16E-05	1.74E-06	5.39E-06
7410	436600.73	3762415.35	2.07E-05	7.06E-05	3.22E-06	1.15E-05	1.73E-06	5.35E-06
7411	436604.39	3762406.49	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
7412	436608.04	3762397.63	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
7413	436611.7	3762388.76	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
7414	436626.31	3762353.32	1.98E-05	6.76E-05	3.08E-06	1.10E-05	1.66E-06	5.12E-06
7415	436629.97	3762344.46	1.97E-05	6.72E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
7416	436633.62	3762335.6	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.06E-06
7417	436637.27	3762326.73	1.95E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
7418	436640.93	3762317.87	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	5.00E-06
7419	436644.58	3762309.01	1.92E-05	6.55E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
7420	436648.24	3762300.15	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.94E-06
7421	436651.89	3762291.29	1.9E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.91E-06
7422	436655.55	3762282.43	1.89E-05	6.44E-05	2.93E-06	1.05E-05	1.58E-06	4.88E-06
7423	436659.2	3762273.57	1.88E-05	6.40E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06
7424	436662.85	3762264.71	1.86E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
7425	436666.51	3762255.84	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
7426	436670.16	3762246.98	1.84E-05	6.27E-05	2.86E-06	1.02E-05	1.54E-06	4.75E-06
7427	436673.82	3762238.12	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
7428	436677.47	3762229.26	1.81E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
7429	436681.12	3762220.4	1.8E-05	6.15E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
7430	436684.78	3762211.54	1.79E-05	6.11E-05	2.78E-06	9.98E-06	1.50E-06	4.63E-06
7431	436688.43	3762202.68	1.78E-05	6.07E-05	2.77E-06	9.92E-06	1.49E-06	4.60E-06
7432	436978.22	3761978.45	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06

7433	436987.06	3761974.74	1.65E-05	5.62E-05	2.56E-06	9.19E-06	1.38E-06	4.26E-06
7434	436995.9	3761971.03	1.65E-05	5.61E-05	2.56E-06	9.16E-06	1.38E-06	4.25E-06
7435	437004.73	3761967.32	1.64E-05	5.60E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
7436	437013.57	3761963.61	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
7437	437022.41	3761959.9	1.63E-05	5.57E-05	2.54E-06	9.10E-06	1.37E-06	4.22E-06
7438	437031.25	3761956.19	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
7439	437040.09	3761952.48	1.62E-05	5.54E-05	2.52E-06	9.05E-06	1.36E-06	4.20E-06
7440	437048.93	3761948.77	1.62E-05	5.51E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
7441	437057.76	3761945.06	1.61E-05	5.49E-05	2.50E-06	8.97E-06	1.35E-06	4.16E-06
7442	437066.6	3761941.35	1.6E-05	5.47E-05	2.49E-06	8.93E-06	1.34E-06	4.14E-06
7443	437075.44	3761937.64	1.6E-05	5.44E-05	2.48E-06	8.89E-06	1.34E-06	4.12E-06
7444	437084.28	3761933.93	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
7445	437093.12	3761930.22	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
7446	437101.95	3761926.51	1.57E-05	5.35E-05	2.44E-06	8.74E-06	1.31E-06	4.05E-06
7447	437110.79	3761922.8	1.56E-05	5.32E-05	2.43E-06	8.69E-06	1.31E-06	4.03E-06
7448	437119.63	3761919.09	1.55E-05	5.29E-05	2.41E-06	8.65E-06	1.30E-06	4.01E-06
7449	437128.47	3761915.38	1.54E-05	5.26E-05	2.40E-06	8.60E-06	1.29E-06	3.99E-06
7450	437137.31	3761911.67	1.54E-05	5.24E-05	2.39E-06	8.55E-06	1.29E-06	3.97E-06
7451	437146.14	3761907.96	1.53E-05	5.21E-05	2.37E-06	8.51E-06	1.28E-06	3.95E-06
7452	437154.98	3761904.25	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.92E-06
7453	437163.82	3761900.54	1.51E-05	5.15E-05	2.35E-06	8.41E-06	1.26E-06	3.90E-06
7454	437172.66	3761896.83	1.5E-05	5.12E-05	2.33E-06	8.36E-06	1.26E-06	3.88E-06
7455	437181.5	3761893.12	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
7456	437190.34	3761889.41	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
7457	436483.8	3762698.91	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
7458	436483.8	3762708.61	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
7459	436483.8	3762718.3	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
7460	436483.8	3762728	2.25E-05	7.68E-05	3.50E-06	1.26E-05	1.89E-06	5.82E-06
7461	436483.8	3762737.69	2.25E-05	7.68E-05	3.50E-06	1.26E-05	1.89E-06	5.82E-06
7462	436483.8	3762747.39	2.25E-05	7.68E-05	3.50E-06	1.26E-05	1.89E-06	5.82E-06
7463	436483.8	3762757.09	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
7464	436483.8	3762766.78	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
7465	436483.8	3762776.48	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
7466	436483.8	3762786.17	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
7467	436483.8	3762795.87	2.24E-05	7.62E-05	3.47E-06	1.25E-05	1.87E-06	5.78E-06
7468	436483.8	3762805.56	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
7469	436483.8	3762815.26	2.22E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.75E-06
7470	436483.8	3762824.96	2.22E-05	7.56E-05	3.45E-06	1.24E-05	1.86E-06	5.73E-06
7471	436483.8	3762834.65	2.21E-05	7.54E-05	3.43E-06	1.23E-05	1.85E-06	5.71E-06
7472	436483.8	3762844.35	2.2E-05	7.51E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
7473	436483.8	3762854.04	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
7474	436447.46	3762690.03	2.1E-05	7.15E-05	3.26E-06	1.17E-05	1.75E-06	5.41E-06
7475	436451.13	3762681.14	2.1E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
7476	436454.79	3762672.26	2.11E-05	7.20E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7477	436458.45	3762663.38	2.12E-05	7.23E-05	3.29E-06	1.18E-05	1.77E-06	5.48E-06
7478	436462.12	3762654.49	2.12E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
7479	436465.78	3762645.61	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
7480	436469.44	3762636.73	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.79E-06	5.51E-06
7481	436473.11	3762627.84	2.14E-05	7.28E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7482	436476.77	3762618.96	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7483	436480.43	3762610.08	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7484	436484.1	3762601.19	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06

7485	436487.76	3762592.31	2.13E-05	7.28E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7486	436491.42	3762583.43	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
7487	436495.09	3762574.54	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
7488	436498.75	3762565.66	2.12E-05	7.24E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
7489	436502.41	3762556.78	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7490	436506.08	3762547.89	2.11E-05	7.20E-05	3.28E-06	1.18E-05	1.77E-06	5.45E-06
7491	436509.74	3762539.01	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
7492	436513.4	3762530.13	2.09E-05	7.14E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
7493	436517.07	3762521.24	2.08E-05	7.11E-05	3.24E-06	1.16E-05	1.74E-06	5.39E-06
7494	436520.73	3762512.36	2.07E-05	7.07E-05	3.22E-06	1.16E-05	1.74E-06	5.36E-06
7495	436524.39	3762503.48	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06
7496	436528.05	3762494.59	2.05E-05	7.00E-05	3.19E-06	1.14E-05	1.72E-06	5.30E-06
7497	436531.72	3762485.71	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
7498	436535.38	3762476.83	2.03E-05	6.91E-05	3.15E-06	1.13E-05	1.70E-06	5.24E-06
7499	436539.04	3762467.94	2.01E-05	6.87E-05	3.13E-06	1.12E-05	1.69E-06	5.21E-06
7500	436542.71	3762459.06	2E-05	6.83E-05	3.11E-06	1.12E-05	1.68E-06	5.18E-06
7501	436546.37	3762450.18	1.99E-05	6.79E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
7502	436583	3762361.34	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
7503	436586.67	3762352.46	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
7504	436590.33	3762343.57	1.85E-05	6.30E-05	2.87E-06	1.03E-05	1.55E-06	4.78E-06
7505	436593.99	3762334.69	1.84E-05	6.26E-05	2.85E-06	1.02E-05	1.54E-06	4.75E-06
7506	436597.66	3762325.81	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
7507	436601.32	3762316.92	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
7508	436604.98	3762308.04	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
7509	436608.65	3762299.16	1.79E-05	6.12E-05	2.79E-06	9.99E-06	1.50E-06	4.64E-06
7510	436612.31	3762290.27	1.78E-05	6.08E-05	2.77E-06	9.94E-06	1.49E-06	4.61E-06
7511	436615.97	3762281.39	1.77E-05	6.05E-05	2.76E-06	9.88E-06	1.48E-06	4.58E-06
7512	436619.64	3762272.51	1.76E-05	6.01E-05	2.74E-06	9.82E-06	1.48E-06	4.56E-06
7513	436623.3	3762263.62	1.75E-05	5.98E-05	2.72E-06	9.77E-06	1.47E-06	4.53E-06
7514	436626.96	3762254.74	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
7515	436630.63	3762245.86	1.73E-05	5.91E-05	2.69E-06	9.66E-06	1.45E-06	4.48E-06
7516	436634.29	3762236.97	1.72E-05	5.88E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
7517	436637.95	3762228.09	1.71E-05	5.84E-05	2.66E-06	9.55E-06	1.43E-06	4.43E-06
7518	436641.62	3762219.21	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
7519	436645.28	3762210.32	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.38E-06
7520	436648.94	3762201.44	1.68E-05	5.74E-05	2.62E-06	9.38E-06	1.41E-06	4.35E-06
7521	436652.61	3762192.56	1.67E-05	5.71E-05	2.60E-06	9.32E-06	1.40E-06	4.32E-06
7522	436656.27	3762183.67	1.66E-05	5.67E-05	2.58E-06	9.27E-06	1.39E-06	4.30E-06
7523	436659.93	3762174.79	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
7524	436663.6	3762165.91	1.64E-05	5.60E-05	2.55E-06	9.15E-06	1.37E-06	4.24E-06
7525	436667.26	3762157.02	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
7526	436670.92	3762148.14	1.62E-05	5.53E-05	2.52E-06	9.03E-06	1.36E-06	4.19E-06
7527	436674.58	3762139.26	1.61E-05	5.49E-05	2.50E-06	8.98E-06	1.35E-06	4.16E-06
7528	436678.25	3762130.37	1.6E-05	5.46E-05	2.49E-06	8.91E-06	1.34E-06	4.13E-06
7529	436879.56	3761979.76	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7530	436888.42	3761976.04	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7531	436897.28	3761972.32	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7532	436906.14	3761968.6	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7533	436915	3761964.88	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7534	436923.86	3761961.16	1.56E-05	5.32E-05	2.43E-06	8.69E-06	1.31E-06	4.03E-06
7535	436932.72	3761957.45	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.02E-06
7536	436941.58	3761953.73	1.55E-05	5.30E-05	2.41E-06	8.66E-06	1.30E-06	4.02E-06

7537	436950.44	3761950.01	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
7538	436959.3	3761946.29	1.55E-05	5.28E-05	2.40E-06	8.62E-06	1.29E-06	4.00E-06
7539	436968.16	3761942.57	1.54E-05	5.27E-05	2.40E-06	8.60E-06	1.29E-06	3.99E-06
7540	436977.02	3761938.85	1.54E-05	5.25E-05	2.39E-06	8.58E-06	1.29E-06	3.98E-06
7541	436985.88	3761935.13	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
7542	436994.74	3761931.41	1.53E-05	5.22E-05	2.38E-06	8.53E-06	1.28E-06	3.96E-06
7543	437003.6	3761927.69	1.53E-05	5.21E-05	2.37E-06	8.50E-06	1.28E-06	3.94E-06
7544	437012.46	3761923.97	1.52E-05	5.19E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
7545	437021.32	3761920.25	1.52E-05	5.17E-05	2.36E-06	8.44E-06	1.27E-06	3.92E-06
7546	437030.18	3761916.54	1.51E-05	5.15E-05	2.35E-06	8.41E-06	1.26E-06	3.90E-06
7547	437039.04	3761912.82	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
7548	437047.9	3761909.1	1.5E-05	5.10E-05	2.33E-06	8.34E-06	1.25E-06	3.87E-06
7549	437056.76	3761905.38	1.49E-05	5.08E-05	2.31E-06	8.29E-06	1.25E-06	3.85E-06
7550	437065.62	3761901.66	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
7551	437074.48	3761897.94	1.47E-05	5.03E-05	2.29E-06	8.21E-06	1.23E-06	3.81E-06
7552	437083.34	3761894.22	1.47E-05	5.00E-05	2.28E-06	8.17E-06	1.23E-06	3.79E-06
7553	437092.2	3761890.5	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
7554	437101.06	3761886.78	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.22E-06	3.75E-06
7555	436443.8	3762698.91	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
7556	436443.8	3762708.61	2.09E-05	7.12E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7557	436443.8	3762718.3	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7558	436443.8	3762728	2.09E-05	7.13E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
7559	436443.8	3762737.69	2.09E-05	7.13E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
7560	436443.8	3762747.39	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7561	436443.8	3762757.09	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7562	436443.8	3762766.78	2.09E-05	7.12E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
7563	436443.8	3762776.48	2.08E-05	7.10E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
7564	436443.8	3762786.17	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
7565	436443.8	3762795.87	2.07E-05	7.07E-05	3.22E-06	1.16E-05	1.74E-06	5.36E-06
7566	436443.8	3762805.56	2.07E-05	7.06E-05	3.22E-06	1.15E-05	1.73E-06	5.35E-06
7567	436443.8	3762815.26	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06
7568	436443.8	3762824.96	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
7569	436443.8	3762834.65	2.05E-05	6.99E-05	3.19E-06	1.14E-05	1.72E-06	5.30E-06
7570	436443.8	3762844.35	2.04E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
7571	436443.8	3762854.04	2.04E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
7572	436407.47	3762690.01	1.95E-05	6.66E-05	3.03E-06	1.09E-05	1.63E-06	5.05E-06
7573	436411.14	3762681.1	1.96E-05	6.69E-05	3.05E-06	1.09E-05	1.64E-06	5.07E-06
7574	436414.81	3762672.2	1.97E-05	6.72E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
7575	436418.49	3762663.3	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.65E-06	5.11E-06
7576	436422.16	3762654.39	1.98E-05	6.76E-05	3.08E-06	1.10E-05	1.66E-06	5.12E-06
7577	436425.83	3762645.49	1.99E-05	6.77E-05	3.09E-06	1.11E-05	1.66E-06	5.13E-06
7578	436429.5	3762636.58	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
7579	436433.17	3762627.68	1.99E-05	6.79E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
7580	436436.84	3762618.78	1.99E-05	6.80E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
7581	436440.52	3762609.87	2E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
7582	436444.19	3762600.97	2E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
7583	436447.86	3762592.07	2E-05	6.80E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
7584	436451.53	3762583.16	1.99E-05	6.80E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
7585	436455.2	3762574.26	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
7586	436458.87	3762565.35	1.99E-05	6.77E-05	3.09E-06	1.11E-05	1.66E-06	5.13E-06
7587	436462.55	3762556.45	1.98E-05	6.75E-05	3.08E-06	1.10E-05	1.66E-06	5.12E-06
7588	436466.22	3762547.55	1.97E-05	6.73E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06

7589	436469.89	3762538.64	1.97E-05	6.71E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
7590	436473.56	3762529.74	1.96E-05	6.69E-05	3.05E-06	1.09E-05	1.64E-06	5.07E-06
7591	436477.23	3762520.84	1.95E-05	6.66E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
7592	436480.9	3762511.93	1.95E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
7593	436484.58	3762503.03	1.94E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
7594	436488.25	3762494.12	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
7595	436491.92	3762485.22	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
7596	436495.59	3762476.32	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.92E-06
7597	436499.26	3762467.41	1.89E-05	6.46E-05	2.94E-06	1.06E-05	1.59E-06	4.89E-06
7598	436502.93	3762458.51	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.86E-06
7599	436506.61	3762449.61	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
7600	436510.28	3762440.7	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
7601	436513.95	3762431.8	1.85E-05	6.30E-05	2.87E-06	1.03E-05	1.55E-06	4.78E-06
7602	436517.62	3762422.89	1.84E-05	6.26E-05	2.85E-06	1.02E-05	1.54E-06	4.75E-06
7603	436521.29	3762413.99	1.83E-05	6.22E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
7604	436524.96	3762405.09	1.81E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
7605	436528.64	3762396.18	1.8E-05	6.15E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
7606	436532.31	3762387.28	1.79E-05	6.11E-05	2.78E-06	9.98E-06	1.50E-06	4.63E-06
7607	436535.98	3762378.38	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.60E-06
7608	436546.99	3762351.67	1.75E-05	5.97E-05	2.72E-06	9.75E-06	1.47E-06	4.52E-06
7609	436550.67	3762342.76	1.74E-05	5.93E-05	2.70E-06	9.69E-06	1.46E-06	4.50E-06
7610	436554.34	3762333.86	1.73E-05	5.90E-05	2.69E-06	9.64E-06	1.45E-06	4.47E-06
7611	436558.01	3762324.95	1.72E-05	5.86E-05	2.67E-06	9.58E-06	1.44E-06	4.44E-06
7612	436561.68	3762316.05	1.71E-05	5.83E-05	2.66E-06	9.53E-06	1.43E-06	4.42E-06
7613	436565.35	3762307.15	1.7E-05	5.80E-05	2.64E-06	9.47E-06	1.42E-06	4.39E-06
7614	436569.02	3762298.24	1.69E-05	5.77E-05	2.63E-06	9.42E-06	1.42E-06	4.37E-06
7615	436572.7	3762289.34	1.68E-05	5.74E-05	2.61E-06	9.37E-06	1.41E-06	4.35E-06
7616	436576.37	3762280.44	1.67E-05	5.71E-05	2.60E-06	9.32E-06	1.40E-06	4.32E-06
7617	436580.04	3762271.53	1.66E-05	5.68E-05	2.59E-06	9.27E-06	1.39E-06	4.30E-06
7618	436583.71	3762262.63	1.66E-05	5.65E-05	2.57E-06	9.23E-06	1.39E-06	4.28E-06
7619	436587.38	3762253.72	1.65E-05	5.62E-05	2.56E-06	9.18E-06	1.38E-06	4.26E-06
7620	436591.05	3762244.82	1.64E-05	5.59E-05	2.55E-06	9.13E-06	1.37E-06	4.24E-06
7621	436594.72	3762235.92	1.63E-05	5.56E-05	2.53E-06	9.09E-06	1.37E-06	4.21E-06
7622	436598.4	3762227.01	1.62E-05	5.53E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
7623	436602.07	3762218.11	1.61E-05	5.51E-05	2.51E-06	8.99E-06	1.35E-06	4.17E-06
7624	436605.74	3762209.21	1.61E-05	5.48E-05	2.49E-06	8.94E-06	1.34E-06	4.15E-06
7625	436609.41	3762200.3	1.6E-05	5.44E-05	2.48E-06	8.89E-06	1.34E-06	4.12E-06
7626	436613.08	3762191.4	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
7627	436616.75	3762182.49	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
7628	436620.43	3762173.59	1.57E-05	5.34E-05	2.44E-06	8.73E-06	1.31E-06	4.05E-06
7629	436624.1	3762164.69	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.03E-06
7630	436627.77	3762155.78	1.55E-05	5.28E-05	2.41E-06	8.63E-06	1.30E-06	4.00E-06
7631	436631.44	3762146.88	1.54E-05	5.25E-05	2.39E-06	8.58E-06	1.29E-06	3.98E-06
7632	436635.11	3762137.98	1.53E-05	5.22E-05	2.38E-06	8.52E-06	1.28E-06	3.95E-06
7633	436638.78	3762129.07	1.52E-05	5.19E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
7634	436642.46	3762120.17	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.27E-06	3.91E-06
7635	436816.05	3761966.31	1.46E-05	4.96E-05	2.26E-06	8.11E-06	1.22E-06	3.76E-06
7636	436824.93	3761962.59	1.46E-05	4.97E-05	2.26E-06	8.12E-06	1.22E-06	3.76E-06
7637	436833.81	3761958.86	1.46E-05	4.97E-05	2.27E-06	8.12E-06	1.22E-06	3.77E-06
7638	436842.69	3761955.13	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
7639	436851.57	3761951.4	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
7640	436860.45	3761947.68	1.46E-05	4.99E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06

7641	436869.33	3761943.95	1.46E-05	4.99E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
7642	436878.21	3761940.22	1.46E-05	4.99E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
7643	436887.09	3761936.49	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
7644	436895.97	3761932.76	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
7645	436904.85	3761929.04	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
7646	436913.74	3761925.31	1.46E-05	4.97E-05	2.27E-06	8.12E-06	1.22E-06	3.77E-06
7647	436922.62	3761921.58	1.46E-05	4.97E-05	2.26E-06	8.11E-06	1.22E-06	3.76E-06
7648	436931.5	3761917.85	1.45E-05	4.96E-05	2.26E-06	8.10E-06	1.22E-06	3.76E-06
7649	436940.38	3761914.13	1.45E-05	4.95E-05	2.25E-06	8.08E-06	1.21E-06	3.75E-06
7650	436949.26	3761910.4	1.45E-05	4.94E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
7651	436958.14	3761906.67	1.44E-05	4.92E-05	2.24E-06	8.04E-06	1.21E-06	3.73E-06
7652	436967.02	3761902.94	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.20E-06	3.72E-06
7653	436975.9	3761899.22	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
7654	436984.78	3761895.49	1.43E-05	4.87E-05	2.22E-06	7.96E-06	1.20E-06	3.69E-06
7655	436993.66	3761891.76	1.42E-05	4.85E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
7656	437002.54	3761888.03	1.42E-05	4.83E-05	2.20E-06	7.89E-06	1.19E-06	3.66E-06
7657	437011.42	3761884.31	1.41E-05	4.81E-05	2.19E-06	7.86E-06	1.18E-06	3.65E-06
7658	436403.8	3762698.91	1.94E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
7659	436403.8	3762708.61	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
7660	436403.8	3762718.3	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
7661	436403.8	3762728	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
7662	436403.8	3762737.69	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
7663	436403.8	3762747.39	1.95E-05	6.64E-05	3.03E-06	1.08E-05	1.63E-06	5.03E-06
7664	436403.8	3762757.09	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
7665	436403.8	3762766.78	1.94E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
7666	436403.8	3762776.48	1.94E-05	6.62E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
7667	436403.8	3762786.17	1.94E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
7668	436403.8	3762795.87	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
7669	436403.8	3762805.56	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
7670	436403.8	3762815.26	1.92E-05	6.55E-05	2.99E-06	1.07E-05	1.61E-06	4.96E-06
7671	436403.8	3762824.96	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
7672	436403.8	3762834.65	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
7673	436403.8	3762844.35	1.9E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.91E-06
7674	436403.8	3762854.04	1.89E-05	6.46E-05	2.94E-06	1.06E-05	1.59E-06	4.90E-06
7675	436378.52	3762663.22	1.85E-05	6.30E-05	2.87E-06	1.03E-05	1.55E-06	4.78E-06
7676	436382.2	3762654.3	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
7677	436385.88	3762645.38	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.80E-06
7678	436389.56	3762636.45	1.86E-05	6.35E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
7679	436393.24	3762627.53	1.87E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
7680	436396.91	3762618.61	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.83E-06
7681	436400.59	3762609.69	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.83E-06
7682	436404.27	3762600.76	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
7683	436407.95	3762591.84	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.83E-06
7684	436411.63	3762582.92	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.56E-06	4.83E-06
7685	436415.31	3762574	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.83E-06
7686	436418.99	3762565.07	1.86E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
7687	436422.67	3762556.15	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
7688	436426.35	3762547.23	1.86E-05	6.33E-05	2.88E-06	1.03E-05	1.55E-06	4.80E-06
7689	436430.03	3762538.31	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06
7690	436433.71	3762529.38	1.84E-05	6.29E-05	2.87E-06	1.03E-05	1.54E-06	4.77E-06
7691	436437.39	3762520.46	1.84E-05	6.27E-05	2.86E-06	1.02E-05	1.54E-06	4.75E-06
7692	436441.07	3762511.54	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06

7693	436444.75	3762502.62	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
7694	436448.43	3762493.69	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
7695	436452.11	3762484.77	1.81E-05	6.16E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
7696	436455.78	3762475.85	1.8E-05	6.13E-05	2.79E-06	1.00E-05	1.50E-06	4.65E-06
7697	436459.46	3762466.93	1.79E-05	6.10E-05	2.78E-06	9.96E-06	1.50E-06	4.62E-06
7698	436463.14	3762458	1.78E-05	6.06E-05	2.76E-06	9.90E-06	1.49E-06	4.59E-06
7699	436466.82	3762449.08	1.77E-05	6.03E-05	2.75E-06	9.84E-06	1.48E-06	4.57E-06
7700	436470.5	3762440.16	1.76E-05	5.99E-05	2.73E-06	9.78E-06	1.47E-06	4.54E-06
7701	436474.18	3762431.24	1.74E-05	5.95E-05	2.71E-06	9.72E-06	1.46E-06	4.51E-06
7702	436477.86	3762422.31	1.73E-05	5.91E-05	2.69E-06	9.66E-06	1.45E-06	4.48E-06
7703	436481.54	3762413.39	1.72E-05	5.88E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
7704	436485.22	3762404.47	1.71E-05	5.84E-05	2.66E-06	9.54E-06	1.43E-06	4.43E-06
7705	436488.9	3762395.55	1.7E-05	5.80E-05	2.65E-06	9.48E-06	1.42E-06	4.40E-06
7706	436492.58	3762386.62	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.37E-06
7707	436496.26	3762377.7	1.68E-05	5.74E-05	2.61E-06	9.37E-06	1.41E-06	4.35E-06
7708	436499.94	3762368.78	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
7709	436514.65	3762333.09	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
7710	436518.33	3762324.17	1.62E-05	5.54E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
7711	436522.01	3762315.24	1.62E-05	5.51E-05	2.51E-06	9.00E-06	1.35E-06	4.17E-06
7712	436525.69	3762306.32	1.61E-05	5.48E-05	2.50E-06	8.95E-06	1.34E-06	4.15E-06
7713	436529.37	3762297.4	1.6E-05	5.45E-05	2.48E-06	8.91E-06	1.34E-06	4.13E-06
7714	436533.05	3762288.48	1.59E-05	5.42E-05	2.47E-06	8.86E-06	1.33E-06	4.11E-06
7715	436536.73	3762279.55	1.58E-05	5.40E-05	2.46E-06	8.81E-06	1.32E-06	4.09E-06
7716	436540.41	3762270.63	1.57E-05	5.37E-05	2.45E-06	8.77E-06	1.32E-06	4.07E-06
7717	436544.09	3762261.71	1.57E-05	5.34E-05	2.43E-06	8.73E-06	1.31E-06	4.05E-06
7718	436547.77	3762252.79	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
7719	436551.45	3762243.86	1.55E-05	5.29E-05	2.41E-06	8.65E-06	1.30E-06	4.01E-06
7720	436555.13	3762234.94	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
7721	436558.81	3762226.02	1.54E-05	5.25E-05	2.39E-06	8.57E-06	1.29E-06	3.97E-06
7722	436562.49	3762217.1	1.53E-05	5.22E-05	2.38E-06	8.53E-06	1.28E-06	3.95E-06
7723	436566.17	3762208.17	1.52E-05	5.19E-05	2.37E-06	8.48E-06	1.27E-06	3.93E-06
7724	436569.85	3762199.25	1.51E-05	5.16E-05	2.35E-06	8.43E-06	1.27E-06	3.91E-06
7725	436573.52	3762190.33	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
7726	436577.2	3762181.41	1.5E-05	5.10E-05	2.32E-06	8.33E-06	1.25E-06	3.86E-06
7727	436580.88	3762172.48	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
7728	436584.56	3762163.56	1.48E-05	5.04E-05	2.30E-06	8.23E-06	1.24E-06	3.82E-06
7729	436588.24	3762154.64	1.47E-05	5.01E-05	2.28E-06	8.18E-06	1.23E-06	3.80E-06
7730	436591.92	3762145.72	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
7731	436595.6	3762136.79	1.45E-05	4.96E-05	2.26E-06	8.10E-06	1.22E-06	3.75E-06
7732	436599.28	3762127.87	1.45E-05	4.93E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
7733	436602.96	3762118.95	1.44E-05	4.90E-05	2.24E-06	8.01E-06	1.20E-06	3.72E-06
7734	436606.64	3762110.03	1.43E-05	4.88E-05	2.22E-06	7.98E-06	1.20E-06	3.70E-06
7735	436639.75	3762029.72	1.35E-05	4.62E-05	2.10E-06	7.55E-06	1.13E-06	3.50E-06
7736	436643.43	3762020.8	1.34E-05	4.59E-05	2.09E-06	7.49E-06	1.13E-06	3.47E-06
7737	436647.11	3762011.88	1.33E-05	4.55E-05	2.07E-06	7.43E-06	1.12E-06	3.45E-06
7738	436650.79	3762002.96	1.32E-05	4.52E-05	2.06E-06	7.38E-06	1.11E-06	3.42E-06
7739	436663.37	3761990.3	1.32E-05	4.50E-05	2.05E-06	7.35E-06	1.10E-06	3.41E-06
7740	436698.97	3761975.36	1.34E-05	4.56E-05	2.08E-06	7.45E-06	1.12E-06	3.45E-06
7741	436796.86	3761934.26	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
7742	436805.76	3761930.53	1.37E-05	4.66E-05	2.12E-06	7.62E-06	1.14E-06	3.53E-06
7743	436814.66	3761926.79	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
7744	436823.55	3761923.06	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06

7745	436832.45	3761919.32	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.54E-06
7746	436841.35	3761915.59	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.55E-06
7747	436850.25	3761911.85	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.55E-06
7748	436859.15	3761908.12	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.54E-06
7749	436868.05	3761904.38	1.37E-05	4.67E-05	2.13E-06	7.64E-06	1.15E-06	3.54E-06
7750	436876.95	3761900.65	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
7751	436885.85	3761896.91	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
7752	436894.75	3761893.17	1.37E-05	4.66E-05	2.12E-06	7.62E-06	1.14E-06	3.53E-06
7753	436903.65	3761889.44	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
7754	436912.55	3761885.7	1.36E-05	4.65E-05	2.12E-06	7.60E-06	1.14E-06	3.53E-06
7755	436921.45	3761881.97	1.36E-05	4.65E-05	2.12E-06	7.59E-06	1.14E-06	3.52E-06
7756	436930.34	3761878.23	1.36E-05	4.64E-05	2.11E-06	7.57E-06	1.14E-06	3.51E-06
7757	436939.24	3761874.5	1.36E-05	4.62E-05	2.11E-06	7.55E-06	1.13E-06	3.50E-06
7758	436948.14	3761870.76	1.35E-05	4.61E-05	2.10E-06	7.52E-06	1.13E-06	3.49E-06
7759	436363.8	3762698.91	1.82E-05	6.20E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
7760	436363.8	3762708.61	1.82E-05	6.20E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
7761	437373.51	3762893.72	0.001362	4.64E-03	2.12E-04	7.58E-04	1.14E-04	3.52E-04
7762	437383.16	3762893.7	0.001486	5.07E-03	2.31E-04	8.28E-04	1.24E-04	3.84E-04
7763	437421.77	3762893.62	0.002337	7.97E-03	3.63E-04	1.30E-03	1.96E-04	6.04E-04
7764	437431.42	3762893.6	0.002628	8.96E-03	4.08E-04	1.46E-03	2.20E-04	6.79E-04
7765	437441.07	3762893.58	0.002922	9.96E-03	4.54E-04	1.63E-03	2.45E-04	7.55E-04
7766	437450.72	3762893.56	0.003206	1.09E-02	4.98E-04	1.79E-03	2.68E-04	8.28E-04
7767	437460.37	3762893.54	0.003476	1.19E-02	5.40E-04	1.94E-03	2.91E-04	8.98E-04
7768	437470.02	3762893.52	0.003677	1.25E-02	5.71E-04	2.05E-03	3.08E-04	9.50E-04
7769	437479.67	3762893.5	0.003854	1.31E-02	5.99E-04	2.15E-03	3.23E-04	9.96E-04
7770	437489.32	3762893.48	0.004006	1.37E-02	6.22E-04	2.23E-03	3.35E-04	1.04E-03
7771	437498.97	3762893.46	0.004088	1.39E-02	6.35E-04	2.28E-03	3.42E-04	1.06E-03
7772	437508.62	3762893.44	0.004147	1.41E-02	6.44E-04	2.31E-03	3.47E-04	1.07E-03
7773	437518.27	3762893.42	0.004185	1.43E-02	6.50E-04	2.33E-03	3.50E-04	1.08E-03
7774	437373.53	3762903.72	0.001076	3.67E-03	1.67E-04	5.99E-04	9.00E-05	2.78E-04
7775	437383.18	3762903.7	0.001155	3.94E-03	1.80E-04	6.44E-04	9.67E-05	2.99E-04
7776	437421.79	3762903.62	0.001684	5.74E-03	2.62E-04	9.38E-04	1.41E-04	4.35E-04
7777	437431.44	3762903.6	0.001878	6.41E-03	2.92E-04	1.05E-03	1.57E-04	4.85E-04
7778	437441.09	3762903.58	0.00208	7.09E-03	3.23E-04	1.16E-03	1.74E-04	5.37E-04
7779	437450.74	3762903.56	0.002284	7.79E-03	3.55E-04	1.27E-03	1.91E-04	5.90E-04
7780	437460.39	3762903.54	0.002483	8.47E-03	3.86E-04	1.38E-03	2.08E-04	6.42E-04
7781	437470.04	3762903.52	0.002644	9.02E-03	4.11E-04	1.47E-03	2.21E-04	6.83E-04
7782	437479.69	3762903.5	0.002793	9.52E-03	4.34E-04	1.56E-03	2.34E-04	7.22E-04
7783	437489.34	3762903.48	0.002925	9.98E-03	4.55E-04	1.63E-03	2.45E-04	7.56E-04
7784	437498.99	3762903.46	0.003012	1.03E-02	4.68E-04	1.68E-03	2.52E-04	7.78E-04
7785	437508.64	3762903.44	0.003083	1.05E-02	4.79E-04	1.72E-03	2.58E-04	7.96E-04
7786	437518.29	3762903.42	0.003139	1.07E-02	4.88E-04	1.75E-03	2.63E-04	8.11E-04
7787	437527.94	3762903.4	0.003223	1.10E-02	5.01E-04	1.80E-03	2.70E-04	8.33E-04
7788	437537.59	3762903.38	0.0033	1.13E-02	5.13E-04	1.84E-03	2.76E-04	8.53E-04
7789	437547.24	3762903.36	0.003359	1.15E-02	5.22E-04	1.87E-03	2.81E-04	8.68E-04
7790	437363.9	3762913.74	0.000825	2.81E-03	1.28E-04	4.60E-04	6.91E-05	2.13E-04
7791	437373.55	3762913.72	0.00088	3.00E-03	1.37E-04	4.90E-04	7.37E-05	2.27E-04
7792	437383.2	3762913.7	0.000936	3.19E-03	1.45E-04	5.22E-04	7.84E-05	2.42E-04
7793	437421.81	3762913.62	0.001289	4.39E-03	2.00E-04	7.18E-04	1.08E-04	3.33E-04
7794	437431.46	3762913.6	0.00142	4.84E-03	2.21E-04	7.91E-04	1.19E-04	3.67E-04
7795	437441.11	3762913.58	0.001556	5.31E-03	2.42E-04	8.67E-04	1.30E-04	4.02E-04
7796	437450.76	3762913.56	0.001697	5.79E-03	2.64E-04	9.45E-04	1.42E-04	4.38E-04

7797	437460.41	3762913.54	0.001839	6.27E-03	2.86E-04	1.02E-03	1.54E-04	4.75E-04
7798	437470.06	3762913.52	0.001965	6.70E-03	3.05E-04	1.09E-03	1.65E-04	5.08E-04
7799	437479.71	3762913.5	0.002085	7.11E-03	3.24E-04	1.16E-03	1.75E-04	5.39E-04
7800	437489.36	3762913.48	0.002198	7.49E-03	3.41E-04	1.22E-03	1.84E-04	5.68E-04
7801	437499.01	3762913.46	0.002278	7.77E-03	3.54E-04	1.27E-03	1.91E-04	5.89E-04
7802	437508.66	3762913.44	0.002349	8.01E-03	3.65E-04	1.31E-03	1.97E-04	6.07E-04
7803	437518.31	3762913.42	0.002411	8.22E-03	3.75E-04	1.34E-03	2.02E-04	6.23E-04
7804	437527.96	3762913.4	0.002488	8.48E-03	3.87E-04	1.39E-03	2.08E-04	6.43E-04
7805	437537.61	3762913.38	0.00256	8.73E-03	3.98E-04	1.43E-03	2.14E-04	6.61E-04
7806	437547.26	3762913.36	0.002619	8.93E-03	4.07E-04	1.46E-03	2.19E-04	6.77E-04
7807	437363.92	3762923.74	0.000696	2.37E-03	1.08E-04	3.87E-04	5.82E-05	1.80E-04
7808	437373.57	3762923.72	0.000735	2.51E-03	1.14E-04	4.10E-04	6.16E-05	1.90E-04
7809	437383.23	3762923.7	0.000777	2.65E-03	1.21E-04	4.33E-04	6.50E-05	2.01E-04
7810	437421.83	3762923.62	0.001025	3.49E-03	1.59E-04	5.71E-04	8.58E-05	2.65E-04
7811	437431.48	3762923.6	0.001115	3.80E-03	1.73E-04	6.21E-04	9.34E-05	2.88E-04
7812	437441.13	3762923.58	0.001207	4.12E-03	1.88E-04	6.73E-04	1.01E-04	3.12E-04
7813	437450.78	3762923.56	0.001304	4.45E-03	2.03E-04	7.27E-04	1.09E-04	3.37E-04
7814	437460.43	3762923.54	0.001405	4.79E-03	2.18E-04	7.83E-04	1.18E-04	3.63E-04
7815	437470.08	3762923.52	0.001502	5.12E-03	2.33E-04	8.37E-04	1.26E-04	3.88E-04
7816	437479.73	3762923.5	0.001598	5.45E-03	2.48E-04	8.90E-04	1.34E-04	4.13E-04
7817	437489.38	3762923.48	0.00169	5.76E-03	2.63E-04	9.42E-04	1.41E-04	4.37E-04
7818	437373.6	3762933.72	0.000624	2.13E-03	9.69E-05	3.48E-04	5.22E-05	1.61E-04
7819	437383.25	3762933.7	0.000655	2.24E-03	1.02E-04	3.65E-04	5.49E-05	1.69E-04
7820	437421.85	3762933.62	0.000833	2.84E-03	1.29E-04	4.64E-04	6.97E-05	2.15E-04
7821	437431.5	3762933.6	0.000896	3.06E-03	1.39E-04	4.99E-04	7.50E-05	2.32E-04
7822	437441.15	3762933.58	0.00096	3.28E-03	1.49E-04	5.35E-04	8.04E-05	2.48E-04
7823	437450.8	3762933.56	0.00103	3.51E-03	1.60E-04	5.74E-04	8.62E-05	2.66E-04
7824	437460.45	3762933.54	0.001104	3.76E-03	1.71E-04	6.15E-04	9.24E-05	2.85E-04
7825	437470.1	3762933.52	0.001176	4.01E-03	1.83E-04	6.55E-04	9.85E-05	3.04E-04
7826	437355.87	3762940.4	0.000516	1.76E-03	8.02E-05	2.88E-04	4.32E-05	1.33E-04
7827	437323.48	3762927.05	0.000509	1.73E-03	7.90E-05	2.83E-04	4.26E-05	1.31E-04
7828	437303.93	3762912.28	0.000526	1.79E-03	8.17E-05	2.93E-04	4.40E-05	1.36E-04
7829	437373.62	3762943.72	0.000536	1.83E-03	8.33E-05	2.99E-04	4.49E-05	1.38E-04
7830	437383.27	3762943.7	0.000561	1.91E-03	8.72E-05	3.13E-04	4.70E-05	1.45E-04
7831	437421.87	3762943.62	0.000687	2.34E-03	1.07E-04	3.83E-04	5.75E-05	1.78E-04
7832	437431.52	3762943.6	0.000729	2.48E-03	1.13E-04	4.06E-04	6.10E-05	1.88E-04
7833	437441.17	3762943.58	0.000777	2.65E-03	1.21E-04	4.33E-04	6.50E-05	2.01E-04
7834	437450.82	3762943.56	0.00083	2.83E-03	1.29E-04	4.62E-04	6.95E-05	2.14E-04
7835	437460.47	3762943.54	0.000888	3.03E-03	1.38E-04	4.94E-04	7.43E-05	2.29E-04
7836	437470.12	3762943.52	0.00094	3.21E-03	1.46E-04	5.24E-04	7.87E-05	2.43E-04
7837	437518.37	3762943.42	0.001209	4.12E-03	1.88E-04	6.73E-04	1.01E-04	3.12E-04
7838	437356.02	3762950.45	0.000451	1.54E-03	7.01E-05	2.51E-04	3.77E-05	1.17E-04
7839	437340.08	3762943.88	0.000454	1.55E-03	7.05E-05	2.53E-04	3.80E-05	1.17E-04
7840	437324.14	3762937.31	0.000451	1.54E-03	7.00E-05	2.51E-04	3.77E-05	1.16E-04
7841	437308.2	3762930.73	0.000441	1.50E-03	6.86E-05	2.46E-04	3.69E-05	1.14E-04
7842	437296.92	3762919.48	0.000462	1.57E-03	7.17E-05	2.57E-04	3.86E-05	1.19E-04
7843	437373.64	3762953.72	0.000465	1.59E-03	7.23E-05	2.59E-04	3.89E-05	1.20E-04
7844	437383.29	3762953.7	0.000486	1.66E-03	7.55E-05	2.71E-04	4.07E-05	1.26E-04
7845	437421.89	3762953.62	0.000577	1.97E-03	8.97E-05	3.22E-04	4.83E-05	1.49E-04
7846	437431.54	3762953.6	0.000605	2.06E-03	9.41E-05	3.37E-04	5.07E-05	1.56E-04
7847	437441.19	3762953.58	0.000642	2.19E-03	9.98E-05	3.58E-04	5.38E-05	1.66E-04
7848	437450.84	3762953.56	0.000684	2.33E-03	1.06E-04	3.81E-04	5.72E-05	1.77E-04

7849	437460.49	3762953.54	0.000729	2.49E-03	1.13E-04	4.06E-04	6.10E-05	1.88E-04
7850	437470.14	3762953.52	0.000767	2.61E-03	1.19E-04	4.27E-04	6.42E-05	1.98E-04
7851	437499.09	3762953.46	0.000894	3.05E-03	1.39E-04	4.98E-04	7.48E-05	2.31E-04
7852	437508.74	3762953.44	0.000941	3.21E-03	1.46E-04	5.24E-04	7.87E-05	2.43E-04
7853	437518.39	3762953.42	0.000987	3.37E-03	1.53E-04	5.50E-04	8.26E-05	2.55E-04
7854	437528.05	3762953.4	0.001035	3.53E-03	1.61E-04	5.76E-04	8.66E-05	2.67E-04
7855	437537.7	3762953.38	0.001081	3.69E-03	1.68E-04	6.02E-04	9.05E-05	2.79E-04
7856	437547.35	3762953.36	0.001125	3.84E-03	1.75E-04	6.27E-04	9.42E-05	2.91E-04
7857	437355.15	3762960.09	0.000397	1.35E-03	6.17E-05	2.21E-04	3.32E-05	1.03E-04
7858	437346.3	3762956.44	0.000399	1.36E-03	6.21E-05	2.22E-04	3.34E-05	1.03E-04
7859	437337.44	3762952.78	0.000401	1.37E-03	6.23E-05	2.23E-04	3.36E-05	1.04E-04
7860	437328.58	3762949.13	0.000401	1.37E-03	6.23E-05	2.23E-04	3.36E-05	1.04E-04
7861	437319.73	3762945.48	0.0004	1.36E-03	6.21E-05	2.23E-04	3.34E-05	1.03E-04
7862	437310.87	3762941.83	0.000397	1.35E-03	6.16E-05	2.21E-04	3.32E-05	1.02E-04
7863	437302.02	3762938.18	0.000392	1.34E-03	6.09E-05	2.18E-04	3.28E-05	1.01E-04
7864	437289.49	3762925.68	0.000412	1.40E-03	6.39E-05	2.29E-04	3.44E-05	1.06E-04
7865	437285.82	3762916.83	0.000436	1.49E-03	6.78E-05	2.43E-04	3.65E-05	1.13E-04
7866	437364.01	3762963.74	0.000394	1.34E-03	6.12E-05	2.19E-04	3.30E-05	1.02E-04
7867	437373.66	3762963.72	0.000408	1.39E-03	6.35E-05	2.28E-04	3.42E-05	1.06E-04
7868	437383.31	3762963.7	0.000425	1.45E-03	6.60E-05	2.37E-04	3.56E-05	1.10E-04
7869	437392.96	3762963.68	0.000442	1.51E-03	6.87E-05	2.46E-04	3.70E-05	1.14E-04
7870	437421.91	3762963.62	0.000493	1.68E-03	7.65E-05	2.74E-04	4.12E-05	1.27E-04
7871	437431.56	3762963.6	0.000513	1.75E-03	7.97E-05	2.86E-04	4.29E-05	1.32E-04
7872	437441.21	3762963.58	0.000541	1.84E-03	8.41E-05	3.01E-04	4.53E-05	1.40E-04
7873	437450.86	3762963.56	0.000573	1.95E-03	8.90E-05	3.19E-04	4.79E-05	1.48E-04
7874	437460.51	3762963.54	0.000607	2.07E-03	9.44E-05	3.38E-04	5.08E-05	1.57E-04
7875	437470.16	3762963.52	0.000636	2.17E-03	9.88E-05	3.54E-04	5.32E-05	1.64E-04
7876	437499.11	3762963.46	0.000737	2.51E-03	1.14E-04	4.10E-04	6.17E-05	1.90E-04
7877	437508.77	3762963.44	0.000776	2.65E-03	1.21E-04	4.33E-04	6.50E-05	2.01E-04
7878	437518.42	3762963.42	0.000817	2.79E-03	1.27E-04	4.55E-04	6.84E-05	2.11E-04
7879	437528.07	3762963.4	0.000857	2.92E-03	1.33E-04	4.77E-04	7.17E-05	2.21E-04
7880	437537.72	3762963.38	0.000896	3.06E-03	1.39E-04	4.99E-04	7.50E-05	2.32E-04
7881	437547.37	3762963.36	0.000935	3.19E-03	1.45E-04	5.21E-04	7.82E-05	2.42E-04
7882	437355.55	3762980.23	0.000313	1.07E-03	4.87E-05	1.75E-04	2.62E-05	8.10E-05
7883	437347.05	3762976.73	0.000316	1.08E-03	4.91E-05	1.76E-04	2.64E-05	8.16E-05
7884	437338.54	3762973.22	0.000318	1.09E-03	4.94E-05	1.77E-04	2.66E-05	8.22E-05
7885	437330.04	3762969.72	0.00032	1.09E-03	4.97E-05	1.78E-04	2.68E-05	8.26E-05
7886	437321.54	3762966.21	0.000321	1.09E-03	4.98E-05	1.79E-04	2.68E-05	8.28E-05
7887	437313.04	3762962.7	0.00032	1.09E-03	4.98E-05	1.79E-04	2.68E-05	8.28E-05
7888	437304.54	3762959.2	0.000319	1.09E-03	4.96E-05	1.78E-04	2.67E-05	8.26E-05
7889	437296.04	3762955.69	0.000318	1.08E-03	4.93E-05	1.77E-04	2.66E-05	8.20E-05
7890	437287.54	3762952.19	0.000315	1.07E-03	4.89E-05	1.75E-04	2.63E-05	8.13E-05
7891	437275.51	3762940.19	0.000329	1.12E-03	5.11E-05	1.83E-04	2.75E-05	8.50E-05
7892	437271.99	3762931.69	0.000347	1.18E-03	5.40E-05	1.93E-04	2.91E-05	8.97E-05
7893	437364.05	3762983.74	0.00031	1.06E-03	4.82E-05	1.73E-04	2.60E-05	8.01E-05
7894	437373.7	3762983.72	0.000321	1.09E-03	4.98E-05	1.79E-04	2.68E-05	8.29E-05
7895	437383.35	3762983.7	0.000332	1.13E-03	5.15E-05	1.85E-04	2.78E-05	8.57E-05
7896	437393	3762983.68	0.000342	1.17E-03	5.32E-05	1.91E-04	2.87E-05	8.84E-05
7897	437421.95	3762983.62	0.000373	1.27E-03	5.79E-05	2.08E-04	3.12E-05	9.63E-05
7898	437431.6	3762983.6	0.000385	1.31E-03	5.98E-05	2.14E-04	3.22E-05	9.94E-05
7899	437441.25	3762983.58	0.0004	1.36E-03	6.22E-05	2.23E-04	3.35E-05	1.03E-04
7900	437450.9	3762983.56	0.000417	1.42E-03	6.49E-05	2.33E-04	3.49E-05	1.08E-04

7901	437460.55	3762983.54	0.000436	1.49E-03	6.78E-05	2.43E-04	3.65E-05	1.13E-04
7902	437470.2	3762983.52	0.000456	1.55E-03	7.08E-05	2.54E-04	3.81E-05	1.18E-04
7903	437499.16	3762983.46	0.000525	1.79E-03	8.15E-05	2.92E-04	4.39E-05	1.36E-04
7904	437508.81	3762983.44	0.000551	1.88E-03	8.57E-05	3.07E-04	4.61E-05	1.42E-04
7905	437518.46	3762983.42	0.000579	1.97E-03	9.00E-05	3.23E-04	4.85E-05	1.50E-04
7906	437528.11	3762983.4	0.000605	2.06E-03	9.40E-05	3.37E-04	5.06E-05	1.56E-04
7907	437537.76	3762983.38	0.000631	2.15E-03	9.80E-05	3.51E-04	5.28E-05	1.63E-04
7908	437547.41	3762983.36	0.000657	2.24E-03	1.02E-04	3.66E-04	5.50E-05	1.70E-04
7909	437355.82	3763000.33	0.000252	8.61E-04	3.92E-05	1.41E-04	2.11E-05	6.52E-05
7910	437339.29	3762993.51	0.000257	8.77E-04	4.00E-05	1.43E-04	2.15E-05	6.65E-05
7911	437322.76	3762986.7	0.000261	8.89E-04	4.05E-05	1.45E-04	2.18E-05	6.73E-05
7912	437306.23	3762979.88	0.000262	8.94E-04	4.07E-05	1.46E-04	2.19E-05	6.77E-05
7913	437289.7	3762973.06	0.000261	8.92E-04	4.06E-05	1.46E-04	2.19E-05	6.76E-05
7914	437273.17	3762966.25	0.000258	8.81E-04	4.01E-05	1.44E-04	2.16E-05	6.67E-05
7915	437261.48	3762954.58	0.000269	9.18E-04	4.18E-05	1.50E-04	2.25E-05	6.96E-05
7916	437373.74	3763003.72	0.000257	8.76E-04	3.99E-05	1.43E-04	2.15E-05	6.64E-05
7917	437383.39	3763003.7	0.000264	9.01E-04	4.11E-05	1.47E-04	2.21E-05	6.83E-05
7918	437393.04	3763003.68	0.000272	9.27E-04	4.22E-05	1.51E-04	2.28E-05	7.03E-05
7919	437421.99	3763003.62	0.000293	1.00E-03	4.56E-05	1.63E-04	2.46E-05	7.58E-05
7920	437431.64	3763003.6	0.000302	1.03E-03	4.69E-05	1.68E-04	2.53E-05	7.80E-05
7921	437441.29	3763003.58	0.000312	1.06E-03	4.85E-05	1.74E-04	2.61E-05	8.06E-05
7922	437450.94	3763003.56	0.000323	1.10E-03	5.02E-05	1.80E-04	2.70E-05	8.34E-05
7923	437460.6	3763003.54	0.000335	1.14E-03	5.20E-05	1.87E-04	2.80E-05	8.65E-05
7924	437470.25	3763003.52	0.000347	1.18E-03	5.39E-05	1.93E-04	2.90E-05	8.96E-05
7925	437499.2	3763003.46	0.000391	1.33E-03	6.08E-05	2.18E-04	3.27E-05	1.01E-04
7926	437508.85	3763003.44	0.000409	1.39E-03	6.35E-05	2.28E-04	3.42E-05	1.06E-04
7927	437518.5	3763003.42	0.000428	1.46E-03	6.65E-05	2.38E-04	3.58E-05	1.11E-04
7928	437528.15	3763003.4	0.000446	1.52E-03	6.94E-05	2.49E-04	3.74E-05	1.15E-04
7929	437537.8	3763003.38	0.000465	1.59E-03	7.23E-05	2.59E-04	3.90E-05	1.20E-04
7930	437547.45	3763003.36	0.000485	1.65E-03	7.54E-05	2.70E-04	4.06E-05	1.25E-04
7931	437355.41	3763020.14	0.000207	7.07E-04	3.22E-05	1.15E-04	1.73E-05	5.35E-05
7932	437346.69	3763016.55	0.000209	7.14E-04	3.26E-05	1.17E-04	1.75E-05	5.41E-05
7933	437337.97	3763012.95	0.000212	7.22E-04	3.29E-05	1.18E-04	1.77E-05	5.47E-05
7934	437329.25	3763009.36	0.000213	7.28E-04	3.32E-05	1.19E-04	1.79E-05	5.52E-05
7935	437320.53	3763005.76	0.000215	7.34E-04	3.34E-05	1.20E-04	1.80E-05	5.56E-05
7936	437311.82	3763002.16	0.000217	7.38E-04	3.36E-05	1.21E-04	1.81E-05	5.60E-05
7937	437303.1	3762998.57	0.000218	7.42E-04	3.38E-05	1.21E-04	1.82E-05	5.62E-05
7938	437294.38	3762994.97	0.000218	7.44E-04	3.39E-05	1.22E-04	1.83E-05	5.64E-05
7939	437285.66	3762991.38	0.000218	7.45E-04	3.39E-05	1.22E-04	1.83E-05	5.64E-05
7940	437276.94	3762987.78	0.000218	7.44E-04	3.39E-05	1.21E-04	1.83E-05	5.63E-05
7941	437268.22	3762984.19	0.000217	7.41E-04	3.37E-05	1.21E-04	1.82E-05	5.61E-05
7942	437259.5	3762980.59	0.000216	7.36E-04	3.35E-05	1.20E-04	1.81E-05	5.58E-05
7943	437218.26	3762898.59	0.000306	1.04E-03	4.76E-05	1.71E-04	2.56E-05	7.91E-05
7944	437364.13	3763023.74	0.000205	6.98E-04	3.18E-05	1.14E-04	1.71E-05	5.29E-05
7945	437373.78	3763023.72	0.00021	7.16E-04	3.26E-05	1.17E-04	1.76E-05	5.42E-05
7946	437383.43	3763023.7	0.000215	7.34E-04	3.34E-05	1.20E-04	1.80E-05	5.56E-05
7947	437393.08	3763023.68	0.000221	7.52E-04	3.43E-05	1.23E-04	1.85E-05	5.70E-05
7948	437422.03	3763023.62	0.000238	8.11E-04	3.70E-05	1.33E-04	1.99E-05	6.15E-05
7949	437431.69	3763023.6	0.000245	8.34E-04	3.80E-05	1.36E-04	2.05E-05	6.32E-05
7950	437441.34	3763023.58	0.000252	8.58E-04	3.91E-05	1.40E-04	2.11E-05	6.50E-05
7951	437450.99	3763023.56	0.000259	8.83E-04	4.03E-05	1.44E-04	2.17E-05	6.69E-05
7952	437355.67	3763040.23	0.000172	5.88E-04	2.68E-05	9.61E-05	1.44E-05	4.46E-05

7953	437347.17	3763036.73	0.000174	5.95E-04	2.71E-05	9.71E-05	1.46E-05	4.51E-05
7954	437338.67	3763033.22	0.000176	6.01E-04	2.74E-05	9.82E-05	1.48E-05	4.55E-05
7955	437330.17	3763029.72	0.000178	6.07E-04	2.77E-05	9.91E-05	1.49E-05	4.60E-05
7956	437321.67	3763026.21	0.00018	6.12E-04	2.79E-05	1.00E-04	1.50E-05	4.64E-05
7957	437313.16	3763022.7	0.000181	6.17E-04	2.81E-05	1.01E-04	1.52E-05	4.68E-05
7958	437304.66	3763019.2	0.000182	6.19E-04	2.82E-05	1.01E-04	1.52E-05	4.69E-05
7959	437296.16	3763015.69	0.000183	6.24E-04	2.84E-05	1.02E-04	1.53E-05	4.73E-05
7960	437287.66	3763012.19	0.000184	6.28E-04	2.86E-05	1.03E-04	1.54E-05	4.76E-05
7961	437279.16	3763008.68	0.000184	6.29E-04	2.87E-05	1.03E-04	1.54E-05	4.77E-05
7962	437270.66	3763005.17	0.000185	6.29E-04	2.87E-05	1.03E-04	1.55E-05	4.77E-05
7963	437262.16	3763001.67	0.000184	6.29E-04	2.86E-05	1.03E-04	1.54E-05	4.76E-05
7964	437219.04	3762948.68	0.000225	7.69E-04	3.50E-05	1.26E-04	1.89E-05	5.83E-05
7965	437215.51	3762940.19	0.000234	7.97E-04	3.63E-05	1.30E-04	1.96E-05	6.04E-05
7966	437211.99	3762931.69	0.000241	8.23E-04	3.75E-05	1.35E-04	2.02E-05	6.24E-05
7967	437208.46	3762923.2	0.000249	8.48E-04	3.87E-05	1.39E-04	2.08E-05	6.43E-05
7968	437204.94	3762914.7	0.000255	8.71E-04	3.97E-05	1.42E-04	2.14E-05	6.60E-05
7969	437201.42	3762906.21	0.000261	8.91E-04	4.06E-05	1.46E-04	2.19E-05	6.75E-05
7970	437197.89	3762897.72	0.000267	9.09E-04	4.14E-05	1.48E-04	2.23E-05	6.89E-05
7971	437364.17	3763043.74	0.00017	5.81E-04	2.65E-05	9.50E-05	1.43E-05	4.41E-05
7972	437373.82	3763043.72	0.000174	5.94E-04	2.71E-05	9.71E-05	1.46E-05	4.50E-05
7973	437383.47	3763043.7	0.000178	6.08E-04	2.77E-05	9.93E-05	1.49E-05	4.60E-05
7974	437393.12	3763043.68	0.000182	6.21E-04	2.83E-05	1.02E-04	1.53E-05	4.71E-05
7975	437460.68	3763043.54	0.000216	7.36E-04	3.35E-05	1.20E-04	1.81E-05	5.58E-05
7976	437470.33	3763043.52	0.000221	7.53E-04	3.43E-05	1.23E-04	1.85E-05	5.71E-05
7977	437479.98	3763043.5	0.000226	7.72E-04	3.52E-05	1.26E-04	1.89E-05	5.85E-05
7978	437489.63	3763043.48	0.000232	7.92E-04	3.61E-05	1.29E-04	1.94E-05	6.00E-05
7979	437499.28	3763043.46	0.000241	8.23E-04	3.75E-05	1.34E-04	2.02E-05	6.23E-05
7980	437508.93	3763043.44	0.000251	8.56E-04	3.90E-05	1.40E-04	2.10E-05	6.49E-05
7981	437518.58	3763043.42	0.000262	8.93E-04	4.07E-05	1.46E-04	2.19E-05	6.77E-05
7982	437528.23	3763043.4	0.000271	9.24E-04	4.21E-05	1.51E-04	2.27E-05	7.00E-05
7983	437537.88	3763043.38	0.00028	9.55E-04	4.35E-05	1.56E-04	2.34E-05	7.24E-05
7984	437547.53	3763043.36	0.00029	9.89E-04	4.50E-05	1.62E-04	2.43E-05	7.49E-05
7985	437355.36	3763060.09	0.000146	4.96E-04	2.26E-05	8.11E-05	1.22E-05	3.76E-05
7986	437346.5	3763056.44	0.000147	5.02E-04	2.29E-05	8.21E-05	1.23E-05	3.81E-05
7987	437337.65	3763052.78	0.000149	5.08E-04	2.31E-05	8.30E-05	1.25E-05	3.85E-05
7988	437328.79	3763049.13	0.000151	5.14E-04	2.34E-05	8.39E-05	1.26E-05	3.89E-05
7989	437319.94	3763045.48	0.000152	5.19E-04	2.36E-05	8.48E-05	1.27E-05	3.93E-05
7990	437311.08	3763041.83	0.000154	5.24E-04	2.39E-05	8.56E-05	1.29E-05	3.97E-05
7991	437302.23	3763038.18	0.000155	5.28E-04	2.41E-05	8.62E-05	1.30E-05	4.00E-05
7992	437293.37	3763034.52	0.000156	5.31E-04	2.42E-05	8.68E-05	1.30E-05	4.03E-05
7993	437284.51	3763030.87	0.000157	5.35E-04	2.44E-05	8.73E-05	1.31E-05	4.05E-05
7994	437275.66	3763027.22	0.000157	5.37E-04	2.45E-05	8.77E-05	1.32E-05	4.07E-05
7995	437266.8	3763023.57	0.000158	5.38E-04	2.45E-05	8.80E-05	1.32E-05	4.08E-05
7996	437257.95	3763019.92	0.000158	5.39E-04	2.46E-05	8.81E-05	1.32E-05	4.08E-05
7997	437218.85	3762996.46	0.000164	5.58E-04	2.54E-05	9.11E-05	1.37E-05	4.23E-05
7998	437215.18	3762987.61	0.000171	5.83E-04	2.66E-05	9.53E-05	1.43E-05	4.42E-05
7999	437211.51	3762978.76	0.000179	6.09E-04	2.77E-05	9.94E-05	1.49E-05	4.61E-05
8000	437207.84	3762969.92	0.000186	6.34E-04	2.89E-05	1.04E-04	1.56E-05	4.80E-05
8001	437204.17	3762961.07	0.000193	6.59E-04	3.00E-05	1.08E-04	1.62E-05	4.99E-05
8002	437200.5	3762952.22	0.0002	6.83E-04	3.11E-05	1.12E-04	1.68E-05	5.17E-05
8003	437196.83	3762943.37	0.000207	7.05E-04	3.21E-05	1.15E-04	1.73E-05	5.35E-05
8004	437193.16	3762934.52	0.000213	7.27E-04	3.31E-05	1.19E-04	1.78E-05	5.51E-05

8005	437189.49	3762925.68	0.000219	7.47E-04	3.40E-05	1.22E-04	1.83E-05	5.66E-05
8006	437185.82	3762916.83	0.000224	7.65E-04	3.49E-05	1.25E-04	1.88E-05	5.80E-05
8007	437182.15	3762907.98	0.000229	7.81E-04	3.56E-05	1.28E-04	1.92E-05	5.92E-05
8008	437364.21	3763063.74	0.000144	4.90E-04	2.23E-05	8.01E-05	1.20E-05	3.72E-05
8009	437373.87	3763063.72	0.000147	5.00E-04	2.28E-05	8.17E-05	1.23E-05	3.79E-05
8010	437383.52	3763063.7	0.00015	5.10E-04	2.33E-05	8.34E-05	1.25E-05	3.87E-05
8011	437393.17	3763063.68	0.000153	5.21E-04	2.37E-05	8.51E-05	1.28E-05	3.95E-05
8012	437402.82	3763063.66	0.000156	5.32E-04	2.43E-05	8.69E-05	1.31E-05	4.03E-05
8013	437441.42	3763063.58	0.00017	5.81E-04	2.65E-05	9.50E-05	1.43E-05	4.40E-05
8014	437451.07	3763063.56	0.000175	5.95E-04	2.71E-05	9.72E-05	1.46E-05	4.51E-05
8015	437460.72	3763063.54	0.000178	6.07E-04	2.77E-05	9.91E-05	1.49E-05	4.60E-05
8016	437470.37	3763063.52	0.000182	6.19E-04	2.82E-05	1.01E-04	1.52E-05	4.69E-05
8017	437480.02	3763063.5	0.000186	6.33E-04	2.88E-05	1.03E-04	1.55E-05	4.79E-05
8018	437489.67	3763063.48	0.00019	6.47E-04	2.95E-05	1.06E-04	1.59E-05	4.91E-05
8019	437499.32	3763063.46	0.000196	6.69E-04	3.05E-05	1.09E-04	1.64E-05	5.07E-05
8020	437508.97	3763063.44	0.000203	6.92E-04	3.15E-05	1.13E-04	1.70E-05	5.25E-05
8021	437518.62	3763063.42	0.00021	7.18E-04	3.27E-05	1.17E-04	1.76E-05	5.44E-05
8022	437528.27	3763063.4	0.000217	7.40E-04	3.37E-05	1.21E-04	1.82E-05	5.61E-05
8023	437537.92	3763063.38	0.000224	7.64E-04	3.48E-05	1.25E-04	1.88E-05	5.79E-05
8024	437547.57	3763063.36	0.000231	7.89E-04	3.60E-05	1.29E-04	1.94E-05	5.98E-05
8025	437355.6	3763080.17	0.000124	4.24E-04	1.93E-05	6.92E-05	1.04E-05	3.21E-05
8026	437346.94	3763076.6	0.000126	4.29E-04	1.95E-05	7.00E-05	1.05E-05	3.25E-05
8027	437338.28	3763073.03	0.000127	4.34E-04	1.98E-05	7.08E-05	1.06E-05	3.29E-05
8028	437329.62	3763069.46	0.000129	4.38E-04	2.00E-05	7.16E-05	1.08E-05	3.32E-05
8029	437320.96	3763065.89	0.00013	4.43E-04	2.02E-05	7.24E-05	1.09E-05	3.36E-05
8030	437312.3	3763062.31	0.000131	4.47E-04	2.04E-05	7.31E-05	1.10E-05	3.39E-05
8031	437303.64	3763058.74	0.000132	4.51E-04	2.06E-05	7.38E-05	1.11E-05	3.42E-05
8032	437294.99	3763055.17	0.000133	4.55E-04	2.07E-05	7.43E-05	1.12E-05	3.45E-05
8033	437286.33	3763051.6	0.000134	4.58E-04	2.09E-05	7.49E-05	1.12E-05	3.47E-05
8034	437277.67	3763048.03	0.000135	4.61E-04	2.10E-05	7.53E-05	1.13E-05	3.49E-05
8035	437269.01	3763044.46	0.000136	4.63E-04	2.11E-05	7.57E-05	1.14E-05	3.51E-05
8036	437260.35	3763040.89	0.000136	4.65E-04	2.12E-05	7.60E-05	1.14E-05	3.52E-05
8037	437217.06	3763023.04	0.000136	4.64E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
8038	437204.81	3763010.81	0.000141	4.82E-04	2.20E-05	7.88E-05	1.18E-05	3.65E-05
8039	437201.22	3763002.16	0.000147	5.03E-04	2.29E-05	8.21E-05	1.23E-05	3.81E-05
8040	437197.63	3762993.51	0.000154	5.23E-04	2.39E-05	8.55E-05	1.29E-05	3.97E-05
8041	437194.04	3762984.86	0.00016	5.44E-04	2.48E-05	8.89E-05	1.34E-05	4.12E-05
8042	437190.45	3762976.21	0.000165	5.64E-04	2.57E-05	9.21E-05	1.38E-05	4.27E-05
8043	437186.87	3762967.56	0.000171	5.84E-04	2.66E-05	9.54E-05	1.43E-05	4.42E-05
8044	437183.28	3762958.91	0.000177	6.03E-04	2.75E-05	9.85E-05	1.48E-05	4.57E-05
8045	437364.26	3763083.74	0.000123	4.19E-04	1.91E-05	6.84E-05	1.03E-05	3.17E-05
8046	437373.91	3763083.72	0.000125	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
8047	437383.56	3763083.7	0.000127	4.34E-04	1.98E-05	7.10E-05	1.07E-05	3.29E-05
8048	437393.21	3763083.68	0.00013	4.43E-04	2.02E-05	7.23E-05	1.09E-05	3.35E-05
8049	437480.06	3763083.5	0.000155	5.28E-04	2.41E-05	8.63E-05	1.30E-05	4.00E-05
8050	437489.71	3763083.48	0.000158	5.39E-04	2.46E-05	8.81E-05	1.32E-05	4.08E-05
8051	437499.36	3763083.46	0.000162	5.54E-04	2.52E-05	9.05E-05	1.36E-05	4.20E-05
8052	437509.01	3763083.44	0.000167	5.70E-04	2.60E-05	9.31E-05	1.40E-05	4.32E-05
8053	437518.66	3763083.42	0.000172	5.87E-04	2.67E-05	9.59E-05	1.44E-05	4.45E-05
8054	437528.31	3763083.4	0.000177	6.05E-04	2.75E-05	9.88E-05	1.48E-05	4.58E-05
8055	437537.97	3763083.38	0.000183	6.23E-04	2.84E-05	1.02E-04	1.53E-05	4.72E-05
8056	437547.62	3763083.36	0.000189	6.43E-04	2.93E-05	1.05E-04	1.58E-05	4.88E-05

8057	437355.8	3763100.23	0.000107	3.65E-04	1.67E-05	5.97E-05	8.97E-06	2.77E-05
8058	437347.29	3763096.73	0.000108	3.69E-04	1.68E-05	6.04E-05	9.07E-06	2.80E-05
8059	437338.79	3763093.22	0.00011	3.74E-04	1.70E-05	6.10E-05	9.17E-06	2.83E-05
8060	437330.29	3763089.72	0.000111	3.78E-04	1.72E-05	6.17E-05	9.27E-06	2.86E-05
8061	437321.79	3763086.21	0.000112	3.82E-04	1.74E-05	6.23E-05	9.37E-06	2.89E-05
8062	437313.29	3763082.7	0.000113	3.86E-04	1.76E-05	6.30E-05	9.46E-06	2.92E-05
8063	437304.79	3763079.2	0.000114	3.89E-04	1.77E-05	6.36E-05	9.55E-06	2.95E-05
8064	437296.29	3763075.69	0.000115	3.93E-04	1.79E-05	6.42E-05	9.64E-06	2.98E-05
8065	437287.79	3763072.19	0.000116	3.96E-04	1.80E-05	6.47E-05	9.72E-06	3.00E-05
8066	437279.28	3763068.68	0.000117	3.99E-04	1.82E-05	6.52E-05	9.79E-06	3.02E-05
8067	437270.78	3763065.17	0.000118	4.01E-04	1.83E-05	6.56E-05	9.85E-06	3.04E-05
8068	437262.28	3763061.67	0.000118	4.04E-04	1.84E-05	6.59E-05	9.90E-06	3.06E-05
8069	437253.78	3763058.16	0.000119	4.05E-04	1.85E-05	6.62E-05	9.95E-06	3.07E-05
8070	437245.28	3763054.66	0.000119	4.07E-04	1.85E-05	6.64E-05	9.98E-06	3.08E-05
8071	437219.77	3763044.14	0.00012	4.08E-04	1.86E-05	6.66E-05	1.00E-05	3.09E-05
8072	437211.27	3763040.63	0.000119	4.07E-04	1.86E-05	6.65E-05	1.00E-05	3.09E-05
8073	437202.77	3763037.13	0.000119	4.06E-04	1.85E-05	6.63E-05	9.97E-06	3.08E-05
8074	437190.75	3763025.13	0.000123	4.21E-04	1.92E-05	6.87E-05	1.03E-05	3.19E-05
8075	437187.22	3763016.63	0.000128	4.38E-04	1.99E-05	7.15E-05	1.07E-05	3.32E-05
8076	437183.7	3763008.14	0.000133	4.55E-04	2.07E-05	7.43E-05	1.12E-05	3.44E-05
8077	437180.18	3762999.65	0.000138	4.71E-04	2.15E-05	7.70E-05	1.16E-05	3.57E-05
8078	437144.94	3762914.7	0.000179	6.09E-04	2.78E-05	9.96E-05	1.50E-05	4.62E-05
8079	437141.42	3762906.21	0.00018	6.14E-04	2.80E-05	1.00E-04	1.51E-05	4.65E-05
8080	437364.3	3763103.74	0.000106	3.61E-04	1.65E-05	5.90E-05	8.87E-06	2.74E-05
8081	437373.95	3763103.72	0.000108	3.67E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
8082	437383.6	3763103.7	0.00011	3.74E-04	1.70E-05	6.11E-05	9.17E-06	2.83E-05
8083	437422.2	3763103.62	0.000118	4.02E-04	1.83E-05	6.56E-05	9.86E-06	3.04E-05
8084	437431.85	3763103.6	0.00012	4.10E-04	1.87E-05	6.69E-05	1.01E-05	3.10E-05
8085	437441.5	3763103.58	0.000122	4.17E-04	1.90E-05	6.82E-05	1.02E-05	3.16E-05
8086	437451.15	3763103.56	0.000125	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
8087	437499.4	3763103.46	0.000137	4.68E-04	2.13E-05	7.65E-05	1.15E-05	3.55E-05
8088	437509.06	3763103.44	0.000141	4.82E-04	2.20E-05	7.88E-05	1.18E-05	3.65E-05
8089	437518.71	3763103.42	0.000146	4.97E-04	2.26E-05	8.12E-05	1.22E-05	3.77E-05
8090	437528.36	3763103.4	0.000149	5.09E-04	2.32E-05	8.32E-05	1.25E-05	3.86E-05
8091	437538.01	3763103.38	0.000153	5.22E-04	2.38E-05	8.52E-05	1.28E-05	3.95E-05
8092	437547.66	3763103.36	0.000157	5.35E-04	2.44E-05	8.74E-05	1.31E-05	4.05E-05
8093	437355.57	3763120.12	9.34E-05	3.18E-04	1.45E-05	5.20E-05	7.82E-06	2.41E-05
8094	437346.8	3763116.51	9.44E-05	3.22E-04	1.47E-05	5.26E-05	7.90E-06	2.44E-05
8095	437338.03	3763112.89	9.54E-05	3.25E-04	1.48E-05	5.31E-05	7.98E-06	2.46E-05
8096	437329.25	3763109.27	9.64E-05	3.29E-04	1.50E-05	5.37E-05	8.07E-06	2.49E-05
8097	437320.48	3763105.65	9.74E-05	3.32E-04	1.51E-05	5.43E-05	8.15E-06	2.52E-05
8098	437311.71	3763102.04	9.84E-05	3.36E-04	1.53E-05	5.48E-05	8.24E-06	2.54E-05
8099	437302.94	3763098.42	9.94E-05	3.39E-04	1.54E-05	5.54E-05	8.32E-06	2.57E-05
8100	437294.17	3763094.8	0.0001	3.42E-04	1.56E-05	5.59E-05	8.40E-06	2.59E-05
8101	437285.4	3763091.18	0.000101	3.45E-04	1.57E-05	5.64E-05	8.48E-06	2.62E-05
8102	437276.63	3763087.57	0.000102	3.48E-04	1.59E-05	5.69E-05	8.55E-06	2.64E-05
8103	437267.86	3763083.95	0.000103	3.51E-04	1.60E-05	5.73E-05	8.62E-06	2.66E-05
8104	437259.08	3763080.33	0.000104	3.53E-04	1.61E-05	5.77E-05	8.67E-06	2.68E-05
8105	437250.31	3763076.72	0.000104	3.55E-04	1.62E-05	5.80E-05	8.72E-06	2.69E-05
8106	437241.54	3763073.1	0.000105	3.57E-04	1.63E-05	5.83E-05	8.76E-06	2.71E-05
8107	437232.77	3763069.48	0.000105	3.58E-04	1.63E-05	5.85E-05	8.80E-06	2.72E-05
8108	437224	3763065.86	0.000105	3.59E-04	1.64E-05	5.87E-05	8.82E-06	2.72E-05

8109	437215.23	3763062.25	0.000105	3.60E-04	1.64E-05	5.88E-05	8.83E-06	2.73E-05
8110	437206.46	3763058.63	0.000105	3.60E-04	1.64E-05	5.88E-05	8.83E-06	2.73E-05
8111	437197.69	3763055.01	0.000105	3.59E-04	1.64E-05	5.87E-05	8.82E-06	2.72E-05
8112	437188.91	3763051.4	0.000105	3.58E-04	1.63E-05	5.85E-05	8.80E-06	2.72E-05
8113	437143.79	3762960.14	0.000146	4.97E-04	2.27E-05	8.12E-05	1.22E-05	3.77E-05
8114	437140.15	3762951.38	0.000149	5.09E-04	2.32E-05	8.31E-05	1.25E-05	3.86E-05
8115	437136.52	3762942.61	0.000152	5.20E-04	2.37E-05	8.49E-05	1.28E-05	3.94E-05
8116	437132.88	3762933.85	0.000155	5.29E-04	2.41E-05	8.65E-05	1.30E-05	4.01E-05
8117	437129.25	3762925.09	0.000158	5.38E-04	2.45E-05	8.79E-05	1.32E-05	4.08E-05
8118	437125.61	3762916.32	0.00016	5.46E-04	2.49E-05	8.91E-05	1.34E-05	4.13E-05
8119	437121.98	3762907.56	0.000161	5.50E-04	2.51E-05	8.99E-05	1.35E-05	4.17E-05
8120	437118.34	3762898.79	0.000162	5.54E-04	2.52E-05	9.05E-05	1.36E-05	4.20E-05
8121	437364.34	3763123.74	9.24E-05	3.15E-04	1.44E-05	5.15E-05	7.73E-06	2.39E-05
8122	437373.99	3763123.72	9.38E-05	3.20E-04	1.46E-05	5.23E-05	7.85E-06	2.42E-05
8123	437383.64	3763123.7	9.53E-05	3.25E-04	1.48E-05	5.31E-05	7.98E-06	2.46E-05
8124	437422.24	3763123.62	0.000102	3.47E-04	1.58E-05	5.68E-05	8.53E-06	2.63E-05
8125	437431.89	3763123.6	0.000104	3.54E-04	1.61E-05	5.78E-05	8.68E-06	2.68E-05
8126	437441.54	3763123.58	0.000106	3.60E-04	1.64E-05	5.88E-05	8.84E-06	2.73E-05
8127	437451.19	3763123.56	0.000108	3.67E-04	1.67E-05	5.99E-05	9.01E-06	2.78E-05
8128	437460.84	3763123.54	0.00011	3.74E-04	1.70E-05	6.11E-05	9.18E-06	2.83E-05
8129	437470.49	3763123.52	0.000112	3.81E-04	1.73E-05	6.22E-05	9.34E-06	2.88E-05
8130	437499.45	3763123.46	0.000118	4.02E-04	1.83E-05	6.56E-05	9.86E-06	3.04E-05
8131	437509.1	3763123.44	0.000121	4.11E-04	1.87E-05	6.71E-05	1.01E-05	3.11E-05
8132	437518.75	3763123.42	0.000123	4.21E-04	1.92E-05	6.88E-05	1.03E-05	3.19E-05
8133	437528.4	3763123.4	0.000126	4.30E-04	1.96E-05	7.03E-05	1.06E-05	3.26E-05
8134	437538.05	3763123.38	0.000129	4.40E-04	2.01E-05	7.19E-05	1.08E-05	3.34E-05
8135	437547.7	3763123.36	0.000132	4.51E-04	2.05E-05	7.37E-05	1.11E-05	3.42E-05
8136	437355.76	3763140.18	8.2E-05	2.80E-04	1.27E-05	4.57E-05	6.86E-06	2.12E-05
8137	437347.13	3763136.63	8.28E-05	2.82E-04	1.29E-05	4.61E-05	6.93E-06	2.14E-05
8138	437338.51	3763133.07	8.36E-05	2.85E-04	1.30E-05	4.66E-05	7.00E-06	2.16E-05
8139	437329.88	3763129.51	8.44E-05	2.88E-04	1.31E-05	4.70E-05	7.07E-06	2.18E-05
8140	437321.26	3763125.96	8.53E-05	2.91E-04	1.33E-05	4.75E-05	7.14E-06	2.20E-05
8141	437312.63	3763122.4	8.61E-05	2.94E-04	1.34E-05	4.80E-05	7.21E-06	2.23E-05
8142	437304.01	3763118.84	8.7E-05	2.97E-04	1.35E-05	4.85E-05	7.28E-06	2.25E-05
8143	437295.38	3763115.29	8.78E-05	2.99E-04	1.36E-05	4.89E-05	7.35E-06	2.27E-05
8144	437286.76	3763111.73	8.86E-05	3.02E-04	1.38E-05	4.94E-05	7.42E-06	2.29E-05
8145	437278.13	3763108.17	8.94E-05	3.05E-04	1.39E-05	4.98E-05	7.49E-06	2.31E-05
8146	437269.51	3763104.62	9.02E-05	3.08E-04	1.40E-05	5.02E-05	7.55E-06	2.33E-05
8147	437260.89	3763101.06	9.09E-05	3.10E-04	1.41E-05	5.06E-05	7.61E-06	2.35E-05
8148	437252.26	3763097.5	9.15E-05	3.12E-04	1.42E-05	5.10E-05	7.66E-06	2.36E-05
8149	437243.64	3763093.95	9.21E-05	3.14E-04	1.43E-05	5.13E-05	7.71E-06	2.38E-05
8150	437235.01	3763090.39	9.26E-05	3.16E-04	1.44E-05	5.16E-05	7.75E-06	2.39E-05
8151	437226.39	3763086.83	9.3E-05	3.17E-04	1.44E-05	5.18E-05	7.78E-06	2.40E-05
8152	437217.76	3763083.28	9.33E-05	3.18E-04	1.45E-05	5.20E-05	7.81E-06	2.41E-05
8153	437209.14	3763079.72	9.36E-05	3.19E-04	1.45E-05	5.21E-05	7.83E-06	2.42E-05
8154	437200.51	3763076.16	9.37E-05	3.20E-04	1.46E-05	5.22E-05	7.84E-06	2.42E-05
8155	437191.89	3763072.61	9.37E-05	3.20E-04	1.46E-05	5.22E-05	7.84E-06	2.42E-05
8156	437183.26	3763069.05	9.36E-05	3.19E-04	1.45E-05	5.22E-05	7.84E-06	2.42E-05
8157	437144.57	3763010.23	0.000114	3.90E-04	1.78E-05	6.38E-05	9.58E-06	2.96E-05
8158	437140.99	3763001.61	0.000118	4.02E-04	1.83E-05	6.57E-05	9.87E-06	3.05E-05
8159	437137.42	3762993	0.000121	4.14E-04	1.89E-05	6.76E-05	1.02E-05	3.14E-05
8160	437133.84	3762984.38	0.000125	4.25E-04	1.94E-05	6.95E-05	1.04E-05	3.22E-05

8161	437130.27	3762975.76	0.000128	4.36E-04	1.99E-05	7.12E-05	1.07E-05	3.30E-05
8162	437126.69	3762967.15	0.000131	4.46E-04	2.03E-05	7.29E-05	1.10E-05	3.38E-05
8163	437123.12	3762958.53	0.000134	4.56E-04	2.08E-05	7.45E-05	1.12E-05	3.46E-05
8164	437119.55	3762949.91	0.000136	4.65E-04	2.12E-05	7.60E-05	1.14E-05	3.53E-05
8165	437115.97	3762941.29	0.000139	4.74E-04	2.16E-05	7.74E-05	1.16E-05	3.59E-05
8166	437112.4	3762932.68	0.000141	4.81E-04	2.19E-05	7.86E-05	1.18E-05	3.64E-05
8167	437108.82	3762924.06	0.000143	4.87E-04	2.22E-05	7.96E-05	1.20E-05	3.69E-05
8168	437105.25	3762915.44	0.000144	4.93E-04	2.25E-05	8.05E-05	1.21E-05	3.73E-05
8169	437101.67	3762906.83	0.000146	4.97E-04	2.26E-05	8.12E-05	1.22E-05	3.77E-05
8170	437098.1	3762898.21	0.000147	5.00E-04	2.28E-05	8.17E-05	1.23E-05	3.79E-05
8171	437364.38	3763143.74	8.12E-05	2.77E-04	1.26E-05	4.52E-05	6.80E-06	2.10E-05
8172	437374.03	3763143.72	8.24E-05	2.81E-04	1.28E-05	4.59E-05	6.90E-06	2.13E-05
8173	437383.68	3763143.7	8.36E-05	2.85E-04	1.30E-05	4.66E-05	7.00E-06	2.16E-05
8174	437422.28	3763143.62	8.9E-05	3.03E-04	1.38E-05	4.96E-05	7.45E-06	2.30E-05
8175	437431.93	3763143.6	9.05E-05	3.09E-04	1.41E-05	5.04E-05	7.58E-06	2.34E-05
8176	437441.58	3763143.58	9.21E-05	3.14E-04	1.43E-05	5.13E-05	7.71E-06	2.38E-05
8177	437451.24	3763143.56	9.37E-05	3.19E-04	1.46E-05	5.22E-05	7.84E-06	2.42E-05
8178	437460.89	3763143.54	9.54E-05	3.25E-04	1.48E-05	5.31E-05	7.98E-06	2.46E-05
8179	437470.54	3763143.52	9.71E-05	3.31E-04	1.51E-05	5.41E-05	8.13E-06	2.51E-05
8180	437509.14	3763143.44	0.000104	3.54E-04	1.61E-05	5.78E-05	8.69E-06	2.68E-05
8181	437518.79	3763143.42	0.000105	3.60E-04	1.64E-05	5.88E-05	8.83E-06	2.73E-05
8182	437528.44	3763143.4	0.000108	3.67E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
8183	437538.09	3763143.38	0.00011	3.76E-04	1.71E-05	6.14E-05	9.22E-06	2.85E-05
8184	437547.74	3763143.36	0.000113	3.85E-04	1.75E-05	6.28E-05	9.44E-06	2.92E-05
8185	437355.57	3763160.09	7.25E-05	2.47E-04	1.13E-05	4.04E-05	6.07E-06	1.87E-05
8186	437346.71	3763156.44	7.32E-05	2.50E-04	1.14E-05	4.08E-05	6.13E-06	1.89E-05
8187	437337.85	3763152.78	7.39E-05	2.52E-04	1.15E-05	4.12E-05	6.19E-06	1.91E-05
8188	437329	3763149.13	7.47E-05	2.55E-04	1.16E-05	4.16E-05	6.25E-06	1.93E-05
8189	437320.14	3763145.48	7.54E-05	2.57E-04	1.17E-05	4.20E-05	6.31E-06	1.95E-05
8190	437311.29	3763141.83	7.61E-05	2.60E-04	1.18E-05	4.24E-05	6.37E-06	1.97E-05
8191	437302.43	3763138.18	7.69E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.99E-05
8192	437293.58	3763134.52	7.76E-05	2.65E-04	1.21E-05	4.32E-05	6.50E-06	2.01E-05
8193	437284.72	3763130.87	7.83E-05	2.67E-04	1.22E-05	4.36E-05	6.56E-06	2.02E-05
8194	437275.87	3763127.22	7.91E-05	2.70E-04	1.23E-05	4.40E-05	6.62E-06	2.04E-05
8195	437267.01	3763123.57	7.98E-05	2.72E-04	1.24E-05	4.44E-05	6.68E-06	2.06E-05
8196	437258.15	3763119.92	8.05E-05	2.74E-04	1.25E-05	4.48E-05	6.73E-06	2.08E-05
8197	437249.3	3763116.26	8.11E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
8198	437240.44	3763112.61	8.17E-05	2.78E-04	1.27E-05	4.55E-05	6.84E-06	2.11E-05
8199	437231.59	3763108.96	8.22E-05	2.80E-04	1.28E-05	4.58E-05	6.88E-06	2.12E-05
8200	437222.73	3763105.31	8.26E-05	2.82E-04	1.28E-05	4.60E-05	6.91E-06	2.13E-05
8201	437213.88	3763101.66	8.3E-05	2.83E-04	1.29E-05	4.62E-05	6.95E-06	2.15E-05
8202	437205.02	3763098	8.34E-05	2.84E-04	1.30E-05	4.64E-05	6.98E-06	2.15E-05
8203	437196.17	3763094.35	8.36E-05	2.85E-04	1.30E-05	4.66E-05	7.00E-06	2.16E-05
8204	437187.31	3763090.7	8.37E-05	2.86E-04	1.30E-05	4.66E-05	7.01E-06	2.16E-05
8205	437144.55	3763058.4	8.96E-05	3.05E-04	1.39E-05	4.99E-05	7.50E-06	2.31E-05
8206	437140.88	3763049.55	9.27E-05	3.16E-04	1.44E-05	5.16E-05	7.76E-06	2.40E-05
8207	437137.21	3763040.7	9.59E-05	3.27E-04	1.49E-05	5.34E-05	8.03E-06	2.48E-05
8208	437133.54	3763031.85	9.9E-05	3.38E-04	1.54E-05	5.52E-05	8.29E-06	2.56E-05
8209	437129.87	3763023	0.000102	3.48E-04	1.59E-05	5.69E-05	8.55E-06	2.64E-05
8210	437126.2	3763014.16	0.000105	3.59E-04	1.64E-05	5.87E-05	8.81E-06	2.72E-05
8211	437122.53	3763005.31	0.000108	3.69E-04	1.68E-05	6.04E-05	9.07E-06	2.80E-05
8212	437118.85	3762996.46	0.000111	3.80E-04	1.73E-05	6.20E-05	9.32E-06	2.88E-05

8213	437115.18	3762987.61	0.000114	3.89E-04	1.77E-05	6.36E-05	9.56E-06	2.95E-05
8214	437111.51	3762978.76	0.000117	3.99E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
8215	437107.84	3762969.92	0.000119	4.07E-04	1.86E-05	6.66E-05	1.00E-05	3.09E-05
8216	437104.17	3762961.07	0.000122	4.16E-04	1.89E-05	6.79E-05	1.02E-05	3.15E-05
8217	437100.5	3762952.22	0.000124	4.23E-04	1.93E-05	6.91E-05	1.04E-05	3.21E-05
8218	437096.83	3762943.37	0.000126	4.30E-04	1.96E-05	7.02E-05	1.06E-05	3.26E-05
8219	437093.16	3762934.52	0.000128	4.36E-04	1.99E-05	7.12E-05	1.07E-05	3.30E-05
8220	437089.49	3762925.68	0.000129	4.41E-04	2.01E-05	7.20E-05	1.08E-05	3.34E-05
8221	437085.82	3762916.83	0.000131	4.45E-04	2.03E-05	7.27E-05	1.09E-05	3.37E-05
8222	437082.15	3762907.98	0.000132	4.49E-04	2.04E-05	7.33E-05	1.10E-05	3.40E-05
8223	437078.48	3762899.13	0.000132	4.51E-04	2.06E-05	7.37E-05	1.11E-05	3.42E-05
8224	437364.42	3763163.74	7.19E-05	2.45E-04	1.12E-05	4.00E-05	6.01E-06	1.86E-05
8225	437374.07	3763163.72	7.28E-05	2.48E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
8226	437383.72	3763163.7	7.38E-05	2.52E-04	1.15E-05	4.11E-05	6.18E-06	1.91E-05
8227	437422.32	3763163.62	7.83E-05	2.67E-04	1.22E-05	4.36E-05	6.56E-06	2.02E-05
8228	437431.98	3763163.6	7.96E-05	2.72E-04	1.24E-05	4.44E-05	6.66E-06	2.06E-05
8229	437441.63	3763163.58	8.09E-05	2.76E-04	1.26E-05	4.51E-05	6.78E-06	2.09E-05
8230	437451.28	3763163.56	8.23E-05	2.81E-04	1.28E-05	4.59E-05	6.89E-06	2.13E-05
8231	437460.93	3763163.54	8.37E-05	2.86E-04	1.30E-05	4.66E-05	7.01E-06	2.16E-05
8232	437470.58	3763163.52	8.51E-05	2.90E-04	1.32E-05	4.74E-05	7.13E-06	2.20E-05
8233	437509.18	3763163.44	9.07E-05	3.09E-04	1.41E-05	5.05E-05	7.59E-06	2.34E-05
8234	437518.83	3763163.42	9.18E-05	3.13E-04	1.43E-05	5.11E-05	7.68E-06	2.37E-05
8235	437528.48	3763163.4	9.33E-05	3.18E-04	1.45E-05	5.20E-05	7.81E-06	2.41E-05
8236	437538.13	3763163.38	9.5E-05	3.24E-04	1.48E-05	5.29E-05	7.95E-06	2.46E-05
8237	437547.78	3763163.36	9.68E-05	3.30E-04	1.50E-05	5.39E-05	8.10E-06	2.50E-05
8238	437355.83	3763190.17	6.1E-05	2.08E-04	9.49E-06	3.40E-05	5.11E-06	1.58E-05
8239	437347.17	3763186.6	6.16E-05	2.10E-04	9.57E-06	3.43E-05	5.15E-06	1.59E-05
8240	437338.51	3763183.03	6.21E-05	2.12E-04	9.65E-06	3.46E-05	5.20E-06	1.61E-05
8241	437329.85	3763179.46	6.27E-05	2.14E-04	9.74E-06	3.49E-05	5.25E-06	1.62E-05
8242	437321.19	3763175.89	6.33E-05	2.16E-04	9.83E-06	3.52E-05	5.29E-06	1.63E-05
8243	437312.53	3763172.31	6.38E-05	2.18E-04	9.92E-06	3.56E-05	5.34E-06	1.65E-05
8244	437303.87	3763168.74	6.44E-05	2.20E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
8245	437295.21	3763165.17	6.5E-05	2.22E-04	1.01E-05	3.62E-05	5.44E-06	1.68E-05
8246	437286.55	3763161.6	6.56E-05	2.24E-04	1.02E-05	3.65E-05	5.49E-06	1.69E-05
8247	437277.9	3763158.03	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
8248	437269.24	3763154.46	6.68E-05	2.28E-04	1.04E-05	3.72E-05	5.59E-06	1.72E-05
8249	437260.58	3763150.89	6.73E-05	2.30E-04	1.05E-05	3.75E-05	5.64E-06	1.74E-05
8250	437251.92	3763147.32	6.77E-05	2.31E-04	1.05E-05	3.77E-05	5.67E-06	1.75E-05
8251	437243.26	3763143.75	6.81E-05	2.32E-04	1.06E-05	3.79E-05	5.70E-06	1.76E-05
8252	437234.6	3763140.18	6.84E-05	2.33E-04	1.06E-05	3.81E-05	5.72E-06	1.77E-05
8253	437225.94	3763136.61	6.88E-05	2.35E-04	1.07E-05	3.83E-05	5.76E-06	1.78E-05
8254	437217.28	3763133.04	6.93E-05	2.36E-04	1.08E-05	3.86E-05	5.80E-06	1.79E-05
8255	437208.63	3763129.46	7E-05	2.39E-04	1.09E-05	3.90E-05	5.86E-06	1.81E-05
8256	437199.97	3763125.89	7.06E-05	2.41E-04	1.10E-05	3.93E-05	5.91E-06	1.82E-05
8257	437191.31	3763122.32	7.09E-05	2.42E-04	1.10E-05	3.95E-05	5.94E-06	1.83E-05
8258	437182.65	3763118.75	7.12E-05	2.43E-04	1.11E-05	3.97E-05	5.96E-06	1.84E-05
8259	437139.36	3763100.9	7.16E-05	2.44E-04	1.11E-05	3.99E-05	5.99E-06	1.85E-05
8260	437127.11	3763088.68	7.39E-05	2.52E-04	1.15E-05	4.12E-05	6.18E-06	1.91E-05
8261	437123.52	3763080.02	7.63E-05	2.60E-04	1.19E-05	4.25E-05	6.39E-06	1.97E-05
8262	437119.93	3763071.37	7.88E-05	2.69E-04	1.22E-05	4.39E-05	6.60E-06	2.04E-05
8263	437116.34	3763062.72	8.13E-05	2.77E-04	1.26E-05	4.53E-05	6.80E-06	2.10E-05
8264	437112.75	3763054.07	8.38E-05	2.86E-04	1.30E-05	4.67E-05	7.01E-06	2.16E-05

8265	437109.16	3763045.42	8.63E-05	2.94E-04	1.34E-05	4.81E-05	7.22E-06	2.23E-05
8266	437105.58	3763036.77	8.88E-05	3.03E-04	1.38E-05	4.94E-05	7.43E-06	2.29E-05
8267	437101.99	3763028.12	9.12E-05	3.11E-04	1.42E-05	5.08E-05	7.63E-06	2.36E-05
8268	437098.4	3763019.46	9.36E-05	3.19E-04	1.45E-05	5.21E-05	7.84E-06	2.42E-05
8269	437094.81	3763010.81	9.59E-05	3.27E-04	1.49E-05	5.34E-05	8.03E-06	2.48E-05
8270	437091.22	3763002.16	9.82E-05	3.35E-04	1.53E-05	5.47E-05	8.22E-06	2.54E-05
8271	437087.63	3762993.51	0.0001	3.42E-04	1.56E-05	5.59E-05	8.40E-06	2.59E-05
8272	437084.04	3762984.86	0.000102	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.65E-05
8273	437080.45	3762976.21	0.000104	3.56E-04	1.62E-05	5.81E-05	8.73E-06	2.70E-05
8274	437076.87	3762967.56	0.000106	3.62E-04	1.65E-05	5.91E-05	8.88E-06	2.74E-05
8275	437073.28	3762958.91	0.000108	3.68E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
8276	437069.69	3762950.25	0.000109	3.72E-04	1.70E-05	6.08E-05	9.14E-06	2.82E-05
8277	437066.1	3762941.6	0.00011	3.77E-04	1.72E-05	6.15E-05	9.25E-06	2.85E-05
8278	437062.51	3762932.95	0.000112	3.80E-04	1.73E-05	6.21E-05	9.34E-06	2.88E-05
8279	437058.92	3762924.3	0.000113	3.84E-04	1.75E-05	6.27E-05	9.42E-06	2.91E-05
8280	437055.33	3762915.65	0.000113	3.87E-04	1.76E-05	6.32E-05	9.49E-06	2.93E-05
8281	437364.48	3763193.74	6.05E-05	2.06E-04	9.40E-06	3.37E-05	5.07E-06	1.56E-05
8282	437374.13	3763193.72	6.13E-05	2.09E-04	9.52E-06	3.41E-05	5.13E-06	1.58E-05
8283	437383.78	3763193.7	6.21E-05	2.12E-04	9.65E-06	3.46E-05	5.20E-06	1.60E-05
8284	437422.39	3763193.62	6.54E-05	2.23E-04	1.02E-05	3.64E-05	5.47E-06	1.69E-05
8285	437432.04	3763193.6	6.66E-05	2.27E-04	1.03E-05	3.71E-05	5.57E-06	1.72E-05
8286	437441.69	3763193.58	6.76E-05	2.30E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05
8287	437451.34	3763193.56	6.86E-05	2.34E-04	1.07E-05	3.82E-05	5.74E-06	1.77E-05
8288	437460.99	3763193.54	6.97E-05	2.38E-04	1.08E-05	3.88E-05	5.83E-06	1.80E-05
8289	437470.64	3763193.52	7.08E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
8290	437509.24	3763193.44	7.55E-05	2.58E-04	1.17E-05	4.21E-05	6.32E-06	1.95E-05
8291	437518.89	3763193.42	7.65E-05	2.61E-04	1.19E-05	4.26E-05	6.40E-06	1.98E-05
8292	437528.54	3763193.4	7.73E-05	2.64E-04	1.20E-05	4.31E-05	6.47E-06	2.00E-05
8293	437538.19	3763193.38	7.82E-05	2.67E-04	1.22E-05	4.36E-05	6.55E-06	2.02E-05
8294	437547.84	3763193.36	7.92E-05	2.70E-04	1.23E-05	4.41E-05	6.63E-06	2.05E-05
8295	437355.75	3763220.11	5.21E-05	1.78E-04	8.10E-06	2.90E-05	4.36E-06	1.35E-05
8296	437346.96	3763216.49	5.25E-05	1.79E-04	8.16E-06	2.93E-05	4.40E-06	1.36E-05
8297	437338.16	3763212.86	5.3E-05	1.81E-04	8.23E-06	2.95E-05	4.43E-06	1.37E-05
8298	437329.37	3763209.23	5.34E-05	1.82E-04	8.30E-06	2.98E-05	4.47E-06	1.38E-05
8299	437320.57	3763205.61	5.39E-05	1.84E-04	8.37E-06	3.00E-05	4.51E-06	1.39E-05
8300	437311.78	3763201.98	5.44E-05	1.85E-04	8.45E-06	3.03E-05	4.55E-06	1.40E-05
8301	437302.98	3763198.35	5.48E-05	1.87E-04	8.52E-06	3.05E-05	4.59E-06	1.42E-05
8302	437294.19	3763194.72	5.53E-05	1.89E-04	8.59E-06	3.08E-05	4.63E-06	1.43E-05
8303	437285.4	3763191.1	5.58E-05	1.90E-04	8.67E-06	3.11E-05	4.67E-06	1.44E-05
8304	437276.6	3763187.47	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.71E-06	1.45E-05
8305	437267.81	3763183.84	5.68E-05	1.94E-04	8.82E-06	3.16E-05	4.75E-06	1.47E-05
8306	437259.01	3763180.22	5.73E-05	1.95E-04	8.90E-06	3.19E-05	4.80E-06	1.48E-05
8307	437250.22	3763176.59	5.78E-05	1.97E-04	8.98E-06	3.22E-05	4.84E-06	1.49E-05
8308	437241.42	3763172.96	5.8E-05	1.98E-04	9.02E-06	3.23E-05	4.86E-06	1.50E-05
8309	437232.63	3763169.34	5.82E-05	1.99E-04	9.05E-06	3.24E-05	4.87E-06	1.50E-05
8310	437223.83	3763165.71	5.85E-05	2.00E-04	9.09E-06	3.26E-05	4.90E-06	1.51E-05
8311	437215.04	3763162.08	5.88E-05	2.01E-04	9.14E-06	3.28E-05	4.92E-06	1.52E-05
8312	437206.25	3763158.46	5.91E-05	2.02E-04	9.19E-06	3.29E-05	4.95E-06	1.53E-05
8313	437197.45	3763154.83	5.95E-05	2.03E-04	9.24E-06	3.31E-05	4.98E-06	1.54E-05
8314	437188.66	3763151.2	5.98E-05	2.04E-04	9.29E-06	3.33E-05	5.01E-06	1.55E-05
8315	437144.68	3763133.07	6.18E-05	2.11E-04	9.61E-06	3.44E-05	5.17E-06	1.60E-05
8316	437135.89	3763129.44	6.19E-05	2.11E-04	9.62E-06	3.45E-05	5.18E-06	1.60E-05

8317	437127.09	3763125.82	6.2E-05	2.11E-04	9.63E-06	3.45E-05	5.19E-06	1.60E-05
8318	437118.3	3763122.19	6.19E-05	2.11E-04	9.62E-06	3.45E-05	5.18E-06	1.60E-05
8319	437105.86	3763109.78	6.39E-05	2.18E-04	9.92E-06	3.56E-05	5.35E-06	1.65E-05
8320	437102.22	3763100.99	6.59E-05	2.25E-04	1.02E-05	3.67E-05	5.52E-06	1.70E-05
8321	437098.57	3763092.2	6.79E-05	2.32E-04	1.06E-05	3.79E-05	5.69E-06	1.76E-05
8322	437094.93	3763083.41	7E-05	2.39E-04	1.09E-05	3.90E-05	5.86E-06	1.81E-05
8323	437091.28	3763074.63	7.21E-05	2.46E-04	1.12E-05	4.02E-05	6.03E-06	1.86E-05
8324	437087.64	3763065.84	7.42E-05	2.53E-04	1.15E-05	4.13E-05	6.21E-06	1.92E-05
8325	437083.99	3763057.05	7.62E-05	2.60E-04	1.18E-05	4.25E-05	6.38E-06	1.97E-05
8326	437080.35	3763048.27	7.83E-05	2.67E-04	1.22E-05	4.36E-05	6.55E-06	2.02E-05
8327	437076.7	3763039.48	8.03E-05	2.74E-04	1.25E-05	4.47E-05	6.72E-06	2.07E-05
8328	437073.06	3763030.69	8.22E-05	2.80E-04	1.28E-05	4.58E-05	6.88E-06	2.12E-05
8329	437069.41	3763021.91	8.42E-05	2.87E-04	1.31E-05	4.69E-05	7.04E-06	2.17E-05
8330	437065.77	3763013.12	8.6E-05	2.93E-04	1.34E-05	4.79E-05	7.20E-06	2.22E-05
8331	437062.12	3763004.33	8.78E-05	2.99E-04	1.36E-05	4.89E-05	7.35E-06	2.27E-05
8332	437058.48	3762995.54	8.95E-05	3.05E-04	1.39E-05	4.99E-05	7.49E-06	2.31E-05
8333	437054.83	3762986.76	9.11E-05	3.11E-04	1.42E-05	5.07E-05	7.62E-06	2.35E-05
8334	437051.19	3762977.97	9.26E-05	3.16E-04	1.44E-05	5.16E-05	7.75E-06	2.39E-05
8335	437047.54	3762969.18	9.39E-05	3.20E-04	1.46E-05	5.23E-05	7.86E-06	2.43E-05
8336	437043.9	3762960.4	9.51E-05	3.24E-04	1.48E-05	5.30E-05	7.96E-06	2.46E-05
8337	437040.25	3762951.61	9.62E-05	3.28E-04	1.49E-05	5.36E-05	8.05E-06	2.49E-05
8338	437036.61	3762942.82	9.72E-05	3.31E-04	1.51E-05	5.41E-05	8.13E-06	2.51E-05
8339	437032.96	3762934.04	9.8E-05	3.34E-04	1.52E-05	5.46E-05	8.20E-06	2.53E-05
8340	437029.32	3762925.25	9.87E-05	3.36E-04	1.53E-05	5.50E-05	8.26E-06	2.55E-05
8341	437025.67	3762916.46	9.92E-05	3.38E-04	1.54E-05	5.53E-05	8.30E-06	2.56E-05
8342	437364.55	3763223.74	5.17E-05	1.76E-04	8.03E-06	2.88E-05	4.33E-06	1.34E-05
8343	437374.2	3763223.72	5.23E-05	1.78E-04	8.13E-06	2.91E-05	4.38E-06	1.35E-05
8344	437383.85	3763223.7	5.28E-05	1.80E-04	8.21E-06	2.94E-05	4.42E-06	1.37E-05
8345	437422.45	3763223.62	5.47E-05	1.87E-04	8.51E-06	3.05E-05	4.58E-06	1.41E-05
8346	437432.1	3763223.6	5.54E-05	1.89E-04	8.61E-06	3.09E-05	4.64E-06	1.43E-05
8347	437441.75	3763223.58	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.72E-06	1.46E-05
8348	437451.4	3763223.56	5.73E-05	1.95E-04	8.90E-06	3.19E-05	4.79E-06	1.48E-05
8349	437461.05	3763223.54	5.82E-05	1.99E-04	9.05E-06	3.24E-05	4.88E-06	1.50E-05
8350	437499.65	3763223.46	6.2E-05	2.12E-04	9.64E-06	3.46E-05	5.19E-06	1.60E-05
8351	437509.3	3763223.44	6.31E-05	2.15E-04	9.81E-06	3.52E-05	5.28E-06	1.63E-05
8352	437518.95	3763223.42	6.43E-05	2.19E-04	9.99E-06	3.58E-05	5.38E-06	1.66E-05
8353	437528.61	3763223.4	6.49E-05	2.21E-04	1.01E-05	3.61E-05	5.43E-06	1.68E-05
8354	437538.26	3763223.38	6.55E-05	2.23E-04	1.02E-05	3.65E-05	5.48E-06	1.69E-05
8355	437547.91	3763223.36	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
8356	437355.7	3763250.06	0.000045	1.53E-04	6.99E-06	2.51E-05	3.77E-06	1.16E-05
8357	437346.78	3763246.39	4.53E-05	1.55E-04	7.04E-06	2.52E-05	3.79E-06	1.17E-05
8358	437337.87	3763242.71	4.57E-05	1.56E-04	7.10E-06	2.54E-05	3.82E-06	1.18E-05
8359	437328.96	3763239.04	4.6E-05	1.57E-04	7.15E-06	2.56E-05	3.85E-06	1.19E-05
8360	437320.04	3763235.36	4.64E-05	1.58E-04	7.21E-06	2.59E-05	3.89E-06	1.20E-05
8361	437311.13	3763231.69	4.68E-05	1.60E-04	7.28E-06	2.61E-05	3.92E-06	1.21E-05
8362	437302.22	3763228.01	4.72E-05	1.61E-04	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8363	437293.31	3763224.33	4.76E-05	1.62E-04	7.40E-06	2.65E-05	3.99E-06	1.23E-05
8364	437284.39	3763220.66	4.8E-05	1.64E-04	7.46E-06	2.67E-05	4.02E-06	1.24E-05
8365	437275.48	3763216.98	4.84E-05	1.65E-04	7.53E-06	2.70E-05	4.05E-06	1.25E-05
8366	437266.57	3763213.31	4.89E-05	1.67E-04	7.59E-06	2.72E-05	4.09E-06	1.26E-05
8367	437257.66	3763209.63	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
8368	437248.74	3763205.96	4.97E-05	1.70E-04	7.73E-06	2.77E-05	4.16E-06	1.29E-05

8369	437239.83	3763202.28	5.02E-05	1.71E-04	7.80E-06	2.80E-05	4.20E-06	1.30E-05
8370	437230.92	3763198.61	5.06E-05	1.73E-04	7.86E-06	2.82E-05	4.24E-06	1.31E-05
8371	437222	3763194.93	5.1E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
8372	437213.09	3763191.25	5.14E-05	1.75E-04	7.99E-06	2.86E-05	4.30E-06	1.33E-05
8373	437204.18	3763187.58	5.18E-05	1.76E-04	8.04E-06	2.88E-05	4.33E-06	1.34E-05
8374	437195.27	3763183.9	5.18E-05	1.77E-04	8.04E-06	2.88E-05	4.33E-06	1.34E-05
8375	437186.35	3763180.23	5.19E-05	1.77E-04	8.06E-06	2.89E-05	4.34E-06	1.34E-05
8376	437141.79	3763161.85	5.35E-05	1.83E-04	8.32E-06	2.98E-05	4.48E-06	1.38E-05
8377	437132.88	3763158.17	5.39E-05	1.84E-04	8.37E-06	3.00E-05	4.51E-06	1.39E-05
8378	437123.97	3763154.5	5.4E-05	1.84E-04	8.39E-06	3.01E-05	4.52E-06	1.40E-05
8379	437115.05	3763150.82	5.41E-05	1.84E-04	8.41E-06	3.01E-05	4.53E-06	1.40E-05
8380	437106.14	3763147.15	5.41E-05	1.84E-04	8.40E-06	3.01E-05	4.53E-06	1.40E-05
8381	437097.23	3763143.47	5.39E-05	1.84E-04	8.38E-06	3.00E-05	4.52E-06	1.39E-05
8382	437084.62	3763130.89	5.54E-05	1.89E-04	8.61E-06	3.09E-05	4.64E-06	1.43E-05
8383	437080.93	3763121.99	5.72E-05	1.95E-04	8.89E-06	3.19E-05	4.79E-06	1.48E-05
8384	437077.23	3763113.08	5.91E-05	2.02E-04	9.19E-06	3.29E-05	4.95E-06	1.53E-05
8385	437073.54	3763104.18	6.09E-05	2.08E-04	9.46E-06	3.39E-05	5.10E-06	1.57E-05
8386	437069.84	3763095.27	6.26E-05	2.13E-04	9.72E-06	3.49E-05	5.24E-06	1.62E-05
8387	437066.15	3763086.37	6.44E-05	2.20E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
8388	437062.46	3763077.46	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
8389	437058.76	3763068.56	6.79E-05	2.32E-04	1.06E-05	3.78E-05	5.68E-06	1.75E-05
8390	437055.07	3763059.65	6.96E-05	2.37E-04	1.08E-05	3.88E-05	5.82E-06	1.80E-05
8391	437051.37	3763050.75	7.12E-05	2.43E-04	1.11E-05	3.96E-05	5.96E-06	1.84E-05
8392	437047.68	3763041.84	7.28E-05	2.48E-04	1.13E-05	4.06E-05	6.09E-06	1.88E-05
8393	437043.99	3763032.94	7.44E-05	2.54E-04	1.16E-05	4.14E-05	6.23E-06	1.92E-05
8394	437040.29	3763024.03	7.59E-05	2.59E-04	1.18E-05	4.23E-05	6.35E-06	1.96E-05
8395	437036.6	3763015.13	7.74E-05	2.64E-04	1.20E-05	4.31E-05	6.48E-06	2.00E-05
8396	437032.9	3763006.22	7.89E-05	2.69E-04	1.23E-05	4.40E-05	6.60E-06	2.04E-05
8397	437029.21	3762997.32	8.02E-05	2.74E-04	1.25E-05	4.47E-05	6.71E-06	2.07E-05
8398	437025.52	3762988.41	8.15E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.10E-05
8399	437021.82	3762979.51	8.26E-05	2.82E-04	1.28E-05	4.60E-05	6.91E-06	2.13E-05
8400	437018.13	3762970.6	8.36E-05	2.85E-04	1.30E-05	4.66E-05	7.00E-06	2.16E-05
8401	437014.43	3762961.7	8.45E-05	2.88E-04	1.31E-05	4.71E-05	7.08E-06	2.18E-05
8402	437010.74	3762952.79	8.53E-05	2.91E-04	1.33E-05	4.75E-05	7.14E-06	2.21E-05
8403	437007.05	3762943.89	8.61E-05	2.93E-04	1.34E-05	4.79E-05	7.20E-06	2.22E-05
8404	437003.35	3762934.98	8.66E-05	2.95E-04	1.35E-05	4.83E-05	7.25E-06	2.24E-05
8405	436999.66	3762926.08	8.71E-05	2.97E-04	1.35E-05	4.85E-05	7.29E-06	2.25E-05
8406	436995.96	3762917.17	8.75E-05	2.98E-04	1.36E-05	4.87E-05	7.32E-06	2.26E-05
8407	437364.61	3763253.74	4.47E-05	1.52E-04	6.94E-06	2.49E-05	3.74E-06	1.15E-05
8408	437374.26	3763253.72	4.51E-05	1.54E-04	7.01E-06	2.51E-05	3.77E-06	1.16E-05
8409	437383.91	3763253.7	4.54E-05	1.55E-04	7.06E-06	2.53E-05	3.80E-06	1.17E-05
8410	437422.51	3763253.62	4.68E-05	1.60E-04	7.27E-06	2.61E-05	3.92E-06	1.21E-05
8411	437432.16	3763253.6	4.72E-05	1.61E-04	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8412	437441.81	3763253.58	4.8E-05	1.64E-04	7.45E-06	2.67E-05	4.02E-06	1.24E-05
8413	437451.46	3763253.56	4.87E-05	1.66E-04	7.57E-06	2.71E-05	4.08E-06	1.26E-05
8414	437461.11	3763253.54	4.95E-05	1.69E-04	7.69E-06	2.76E-05	4.14E-06	1.28E-05
8415	437470.76	3763253.52	5.02E-05	1.71E-04	7.79E-06	2.79E-05	4.20E-06	1.30E-05
8416	437480.41	3763253.5	5.08E-05	1.73E-04	7.90E-06	2.83E-05	4.26E-06	1.31E-05
8417	437490.07	3763253.48	5.15E-05	1.76E-04	8.01E-06	2.87E-05	4.31E-06	1.33E-05
8418	437499.72	3763253.46	5.23E-05	1.78E-04	8.12E-06	2.91E-05	4.38E-06	1.35E-05
8419	437509.37	3763253.44	5.3E-05	1.81E-04	8.24E-06	2.95E-05	4.44E-06	1.37E-05
8420	437519.02	3763253.42	5.38E-05	1.84E-04	8.37E-06	3.00E-05	4.51E-06	1.39E-05

8421	437528.67	3763253.4	5.46E-05	1.86E-04	8.48E-06	3.04E-05	4.57E-06	1.41E-05
8422	437538.32	3763253.38	5.53E-05	1.89E-04	8.59E-06	3.08E-05	4.63E-06	1.43E-05
8423	437547.97	3763253.36	5.61E-05	1.91E-04	8.71E-06	3.12E-05	4.69E-06	1.45E-05
8424	437355.92	3763280.13	3.87E-05	1.32E-04	6.01E-06	2.16E-05	3.24E-06	1.00E-05
8425	437347.17	3763276.52	3.9E-05	1.33E-04	6.06E-06	2.17E-05	3.27E-06	1.01E-05
8426	437338.42	3763272.91	3.94E-05	1.34E-04	6.12E-06	2.19E-05	3.30E-06	1.02E-05
8427	437329.66	3763269.3	3.99E-05	1.36E-04	6.19E-06	2.22E-05	3.34E-06	1.03E-05
8428	437320.91	3763265.69	4.04E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
8429	437312.16	3763262.08	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.40E-06	1.05E-05
8430	437303.41	3763258.48	4.1E-05	1.40E-04	6.37E-06	2.28E-05	3.43E-06	1.06E-05
8431	437294.66	3763254.87	4.13E-05	1.41E-04	6.42E-06	2.30E-05	3.46E-06	1.07E-05
8432	437285.91	3763251.26	4.16E-05	1.42E-04	6.47E-06	2.32E-05	3.49E-06	1.08E-05
8433	437277.16	3763247.65	4.2E-05	1.43E-04	6.52E-06	2.34E-05	3.51E-06	1.08E-05
8434	437268.41	3763244.04	4.23E-05	1.44E-04	6.58E-06	2.36E-05	3.54E-06	1.09E-05
8435	437259.65	3763240.43	4.27E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
8436	437250.9	3763236.82	4.31E-05	1.47E-04	6.69E-06	2.40E-05	3.61E-06	1.11E-05
8437	437242.15	3763233.21	4.35E-05	1.48E-04	6.76E-06	2.42E-05	3.64E-06	1.12E-05
8438	437233.4	3763229.6	4.39E-05	1.50E-04	6.81E-06	2.44E-05	3.67E-06	1.13E-05
8439	437224.65	3763225.99	4.42E-05	1.51E-04	6.87E-06	2.46E-05	3.70E-06	1.14E-05
8440	437215.9	3763222.39	4.46E-05	1.52E-04	6.93E-06	2.48E-05	3.73E-06	1.15E-05
8441	437207.15	3763218.78	4.49E-05	1.53E-04	6.98E-06	2.50E-05	3.76E-06	1.16E-05
8442	437198.39	3763215.17	4.52E-05	1.54E-04	7.03E-06	2.52E-05	3.79E-06	1.17E-05
8443	437189.64	3763211.56	4.55E-05	1.55E-04	7.07E-06	2.54E-05	3.81E-06	1.18E-05
8444	437180.89	3763207.95	4.58E-05	1.56E-04	7.12E-06	2.55E-05	3.84E-06	1.18E-05
8445	437145.89	3763193.51	4.68E-05	1.60E-04	7.28E-06	2.61E-05	3.92E-06	1.21E-05
8446	437137.13	3763189.9	4.71E-05	1.60E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
8447	437128.38	3763186.3	4.72E-05	1.61E-04	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8448	437119.63	3763182.69	4.74E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.22E-05
8449	437110.88	3763179.08	4.75E-05	1.62E-04	7.38E-06	2.64E-05	3.97E-06	1.23E-05
8450	437102.13	3763175.47	4.75E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
8451	437093.38	3763171.86	4.75E-05	1.62E-04	7.38E-06	2.65E-05	3.98E-06	1.23E-05
8452	437084.63	3763168.25	4.75E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.23E-05
8453	437075.87	3763164.64	4.73E-05	1.61E-04	7.35E-06	2.64E-05	3.96E-06	1.22E-05
8454	437063.5	3763152.29	4.86E-05	1.66E-04	7.55E-06	2.71E-05	4.06E-06	1.25E-05
8455	437059.87	3763143.54	5E-05	1.70E-04	7.76E-06	2.78E-05	4.18E-06	1.29E-05
8456	437056.24	3763134.8	5.15E-05	1.76E-04	8.01E-06	2.87E-05	4.31E-06	1.33E-05
8457	437052.61	3763126.06	5.32E-05	1.81E-04	8.27E-06	2.96E-05	4.45E-06	1.37E-05
8458	437048.99	3763117.31	5.48E-05	1.87E-04	8.52E-06	3.05E-05	4.59E-06	1.42E-05
8459	437045.36	3763108.57	5.63E-05	1.92E-04	8.74E-06	3.14E-05	4.71E-06	1.45E-05
8460	437041.73	3763099.83	5.77E-05	1.97E-04	8.97E-06	3.22E-05	4.83E-06	1.49E-05
8461	437038.11	3763091.08	5.92E-05	2.02E-04	9.19E-06	3.30E-05	4.95E-06	1.53E-05
8462	437034.48	3763082.34	6.06E-05	2.07E-04	9.41E-06	3.37E-05	5.07E-06	1.57E-05
8463	437030.85	3763073.59	6.2E-05	2.11E-04	9.63E-06	3.45E-05	5.19E-06	1.60E-05
8464	437027.22	3763064.85	6.33E-05	2.16E-04	9.84E-06	3.53E-05	5.30E-06	1.64E-05
8465	437023.6	3763056.11	6.47E-05	2.21E-04	1.00E-05	3.60E-05	5.41E-06	1.67E-05
8466	437019.97	3763047.36	6.6E-05	2.25E-04	1.03E-05	3.68E-05	5.52E-06	1.71E-05
8467	437016.34	3763038.62	6.73E-05	2.29E-04	1.04E-05	3.75E-05	5.63E-06	1.74E-05
8468	437012.72	3763029.87	6.85E-05	2.33E-04	1.06E-05	3.81E-05	5.73E-06	1.77E-05
8469	437009.09	3763021.13	6.95E-05	2.37E-04	1.08E-05	3.87E-05	5.82E-06	1.80E-05
8470	437005.46	3763012.39	7.07E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
8471	437001.83	3763003.64	7.18E-05	2.45E-04	1.11E-05	4.00E-05	6.01E-06	1.85E-05
8472	436998.21	3762994.9	7.27E-05	2.48E-04	1.13E-05	4.05E-05	6.09E-06	1.88E-05

8473	436994.58	3762986.15	7.36E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
8474	436990.95	3762977.41	7.44E-05	2.54E-04	1.16E-05	4.15E-05	6.23E-06	1.92E-05
8475	436987.33	3762968.67	7.52E-05	2.56E-04	1.17E-05	4.19E-05	6.29E-06	1.94E-05
8476	436983.7	3762959.92	7.58E-05	2.59E-04	1.18E-05	4.22E-05	6.35E-06	1.96E-05
8477	436980.07	3762951.18	7.64E-05	2.60E-04	1.19E-05	4.26E-05	6.39E-06	1.97E-05
8478	436976.44	3762942.44	7.69E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.99E-05
8479	436972.82	3762933.69	7.72E-05	2.63E-04	1.20E-05	4.30E-05	6.46E-06	2.00E-05
8480	436969.19	3762924.95	7.75E-05	2.64E-04	1.20E-05	4.32E-05	6.49E-06	2.00E-05
8481	436965.56	3762916.2	7.77E-05	2.65E-04	1.21E-05	4.33E-05	6.51E-06	2.01E-05
8482	436961.94	3762907.46	7.78E-05	2.65E-04	1.21E-05	4.34E-05	6.51E-06	2.01E-05
8483	436958.31	3762898.72	7.78E-05	2.65E-04	1.21E-05	4.34E-05	6.52E-06	2.01E-05
8484	437364.67	3763283.74	3.84E-05	1.31E-04	5.96E-06	2.14E-05	3.21E-06	9.92E-06
8485	437374.32	3763283.72	3.88E-05	1.32E-04	6.03E-06	2.16E-05	3.25E-06	1.00E-05
8486	437383.97	3763283.7	3.92E-05	1.34E-04	6.09E-06	2.18E-05	3.28E-06	1.01E-05
8487	437393.62	3763283.68	3.96E-05	1.35E-04	6.15E-06	2.21E-05	3.32E-06	1.02E-05
8488	437403.27	3763283.66	4E-05	1.36E-04	6.21E-06	2.23E-05	3.35E-06	1.03E-05
8489	437412.92	3763283.64	4.03E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
8490	437422.57	3763283.62	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.40E-06	1.05E-05
8491	437432.22	3763283.6	4.11E-05	1.40E-04	6.38E-06	2.29E-05	3.44E-06	1.06E-05
8492	437441.87	3763283.58	4.17E-05	1.42E-04	6.48E-06	2.32E-05	3.49E-06	1.08E-05
8493	437451.53	3763283.56	4.23E-05	1.44E-04	6.57E-06	2.36E-05	3.54E-06	1.09E-05
8494	437461.18	3763283.54	4.29E-05	1.46E-04	6.67E-06	2.39E-05	3.59E-06	1.11E-05
8495	437470.83	3763283.52	4.35E-05	1.48E-04	6.75E-06	2.42E-05	3.64E-06	1.12E-05
8496	437480.48	3763283.5	4.4E-05	1.50E-04	6.84E-06	2.45E-05	3.68E-06	1.14E-05
8497	437490.13	3763283.48	4.46E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
8498	437499.78	3763283.46	4.5E-05	1.54E-04	7.00E-06	2.51E-05	3.77E-06	1.16E-05
8499	437509.43	3763283.44	4.55E-05	1.55E-04	7.07E-06	2.54E-05	3.81E-06	1.18E-05
8500	437519.08	3763283.42	4.6E-05	1.57E-04	7.15E-06	2.56E-05	3.85E-06	1.19E-05
8501	437528.73	3763283.4	4.66E-05	1.59E-04	7.24E-06	2.60E-05	3.90E-06	1.20E-05
8502	437538.38	3763283.38	4.72E-05	1.61E-04	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8503	437548.03	3763283.36	4.79E-05	1.63E-04	7.44E-06	2.67E-05	4.01E-06	1.24E-05
8504	437355.88	3763310.09	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.73E-06
8505	437347.02	3763306.44	3.4E-05	1.16E-04	5.29E-06	1.90E-05	2.85E-06	8.79E-06
8506	437338.17	3763302.78	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
8507	437329.31	3763299.13	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.94E-06
8508	437320.45	3763295.48	3.5E-05	1.19E-04	5.43E-06	1.95E-05	2.93E-06	9.03E-06
8509	437311.6	3763291.83	3.53E-05	1.20E-04	5.49E-06	1.97E-05	2.96E-06	9.13E-06
8510	437302.74	3763288.18	3.56E-05	1.22E-04	5.54E-06	1.99E-05	2.98E-06	9.21E-06
8511	437293.89	3763284.52	3.59E-05	1.23E-04	5.59E-06	2.00E-05	3.01E-06	9.29E-06
8512	437285.03	3763280.87	3.63E-05	1.24E-04	5.63E-06	2.02E-05	3.03E-06	9.37E-06
8513	437276.18	3763277.22	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.06E-06	9.46E-06
8514	437267.32	3763273.57	3.7E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.57E-06
8515	437258.47	3763269.92	3.74E-05	1.28E-04	5.82E-06	2.09E-05	3.13E-06	9.67E-06
8516	437249.61	3763266.26	3.77E-05	1.29E-04	5.87E-06	2.10E-05	3.16E-06	9.75E-06
8517	437240.75	3763262.61	3.81E-05	1.30E-04	5.92E-06	2.12E-05	3.19E-06	9.84E-06
8518	437231.9	3763258.96	3.84E-05	1.31E-04	5.97E-06	2.14E-05	3.22E-06	9.93E-06
8519	437223.04	3763255.31	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
8520	437214.19	3763251.66	3.91E-05	1.33E-04	6.07E-06	2.18E-05	3.27E-06	1.01E-05
8521	437205.33	3763248	3.94E-05	1.34E-04	6.12E-06	2.19E-05	3.30E-06	1.02E-05
8522	437196.48	3763244.35	3.97E-05	1.35E-04	6.17E-06	2.21E-05	3.32E-06	1.03E-05
8523	437187.62	3763240.7	4E-05	1.36E-04	6.21E-06	2.23E-05	3.35E-06	1.03E-05
8524	437143.34	3763222.44	4.12E-05	1.41E-04	6.41E-06	2.30E-05	3.45E-06	1.07E-05

8525	437134.49	3763218.79	4.15E-05	1.41E-04	6.44E-06	2.31E-05	3.47E-06	1.07E-05
8526	437125.63	3763215.14	4.17E-05	1.42E-04	6.47E-06	2.32E-05	3.49E-06	1.08E-05
8527	437116.78	3763211.48	4.18E-05	1.43E-04	6.50E-06	2.33E-05	3.50E-06	1.08E-05
8528	437107.92	3763207.83	0.000042	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
8529	437099.07	3763204.18	4.2E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
8530	437090.21	3763200.53	4.21E-05	1.43E-04	6.54E-06	2.34E-05	3.52E-06	1.09E-05
8531	437081.35	3763196.88	4.21E-05	1.43E-04	6.54E-06	2.34E-05	3.52E-06	1.09E-05
8532	437072.5	3763193.22	4.21E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
8533	437063.64	3763189.57	4.21E-05	1.44E-04	6.54E-06	2.34E-05	3.52E-06	1.09E-05
8534	437054.79	3763185.92	4.21E-05	1.44E-04	6.55E-06	2.35E-05	3.53E-06	1.09E-05
8535	437042.26	3763173.42	4.33E-05	1.48E-04	6.73E-06	2.41E-05	3.62E-06	1.12E-05
8536	437038.59	3763164.57	4.46E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
8537	437034.92	3763155.72	4.59E-05	1.56E-04	7.13E-06	2.56E-05	3.84E-06	1.19E-05
8538	437031.25	3763146.88	4.72E-05	1.61E-04	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8539	437027.58	3763138.03	4.86E-05	1.66E-04	7.55E-06	2.71E-05	4.07E-06	1.25E-05
8540	437023.91	3763129.18	4.98E-05	1.70E-04	7.74E-06	2.77E-05	4.17E-06	1.29E-05
8541	437020.24	3763120.33	5.11E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
8542	437016.57	3763111.48	5.23E-05	1.78E-04	8.13E-06	2.91E-05	4.38E-06	1.35E-05
8543	437012.9	3763102.64	5.35E-05	1.83E-04	8.32E-06	2.98E-05	4.48E-06	1.38E-05
8544	437009.23	3763093.79	5.47E-05	1.87E-04	8.51E-06	3.05E-05	4.58E-06	1.41E-05
8545	437005.56	3763084.94	5.59E-05	1.91E-04	8.69E-06	3.12E-05	4.68E-06	1.45E-05
8546	437001.89	3763076.09	5.71E-05	1.95E-04	8.87E-06	3.18E-05	4.78E-06	1.48E-05
8547	436998.22	3763067.24	5.82E-05	1.99E-04	9.05E-06	3.24E-05	4.87E-06	1.50E-05
8548	436994.55	3763058.4	5.93E-05	2.02E-04	9.22E-06	3.30E-05	4.97E-06	1.53E-05
8549	436990.88	3763049.55	6.04E-05	2.06E-04	9.38E-06	3.36E-05	5.05E-06	1.56E-05
8550	436987.21	3763040.7	6.14E-05	2.09E-04	9.54E-06	3.42E-05	5.14E-06	1.59E-05
8551	436983.54	3763031.85	6.24E-05	2.13E-04	9.69E-06	3.47E-05	5.22E-06	1.61E-05
8552	436979.87	3763023	6.32E-05	2.16E-04	9.82E-06	3.52E-05	5.29E-06	1.63E-05
8553	436976.2	3763014.16	6.42E-05	2.19E-04	9.97E-06	3.57E-05	5.37E-06	1.66E-05
8554	436972.53	3763005.31	6.5E-05	2.22E-04	1.01E-05	3.62E-05	5.44E-06	1.68E-05
8555	436968.85	3762996.46	6.58E-05	2.24E-04	1.02E-05	3.66E-05	5.50E-06	1.70E-05
8556	436965.18	3762987.61	6.65E-05	2.27E-04	1.03E-05	3.70E-05	5.56E-06	1.72E-05
8557	436961.51	3762978.76	6.71E-05	2.29E-04	1.04E-05	3.74E-05	5.62E-06	1.73E-05
8558	436957.84	3762969.92	6.76E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05
8559	436954.17	3762961.07	6.81E-05	2.32E-04	1.06E-05	3.79E-05	5.70E-06	1.76E-05
8560	436950.5	3762952.22	6.85E-05	2.34E-04	1.06E-05	3.82E-05	5.74E-06	1.77E-05
8561	436946.83	3762943.37	6.88E-05	2.35E-04	1.07E-05	3.84E-05	5.76E-06	1.78E-05
8562	436943.16	3762934.52	6.91E-05	2.36E-04	1.07E-05	3.85E-05	5.78E-06	1.79E-05
8563	436939.49	3762925.68	6.93E-05	2.36E-04	1.08E-05	3.86E-05	5.80E-06	1.79E-05
8564	436935.82	3762916.83	6.94E-05	2.37E-04	1.08E-05	3.86E-05	5.81E-06	1.79E-05
8565	436932.15	3762907.98	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
8566	436928.48	3762899.13	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
8567	437364.73	3763313.74	3.36E-05	1.15E-04	5.22E-06	1.87E-05	2.81E-06	8.68E-06
8568	437374.38	3763313.72	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.77E-06
8569	437384.03	3763313.7	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
8570	437393.68	3763313.68	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.95E-06
8571	437403.33	3763313.66	3.5E-05	1.20E-04	5.45E-06	1.95E-05	2.93E-06	9.06E-06
8572	437412.99	3763313.64	3.55E-05	1.21E-04	5.51E-06	1.98E-05	2.97E-06	9.17E-06
8573	437422.64	3763313.62	3.59E-05	1.22E-04	5.58E-06	2.00E-05	3.01E-06	9.28E-06
8574	437432.29	3763313.6	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.04E-06	9.40E-06
8575	437441.94	3763313.58	3.68E-05	1.26E-04	5.72E-06	2.05E-05	3.08E-06	9.51E-06
8576	437451.59	3763313.56	3.72E-05	1.27E-04	5.79E-06	2.07E-05	3.12E-06	9.62E-06

8577	437461.24	3763313.54	3.77E-05	1.29E-04	5.86E-06	2.10E-05	3.15E-06	9.74E-06
8578	437470.89	3763313.52	3.81E-05	1.30E-04	5.92E-06	2.12E-05	3.19E-06	9.85E-06
8579	437480.54	3763313.5	3.86E-05	1.32E-04	5.99E-06	2.15E-05	3.23E-06	9.97E-06
8580	437490.19	3763313.48	3.9E-05	1.33E-04	6.06E-06	2.17E-05	3.27E-06	1.01E-05
8581	437499.84	3763313.46	3.94E-05	1.34E-04	6.12E-06	2.19E-05	3.30E-06	1.02E-05
8582	437509.49	3763313.44	3.98E-05	1.36E-04	6.18E-06	2.21E-05	3.33E-06	1.03E-05
8583	437519.14	3763313.42	4.01E-05	1.37E-04	6.24E-06	2.24E-05	3.36E-06	1.04E-05
8584	437528.79	3763313.4	4.05E-05	1.38E-04	6.30E-06	2.26E-05	3.39E-06	1.05E-05
8585	437538.44	3763313.38	4.1E-05	1.40E-04	6.37E-06	2.28E-05	3.43E-06	1.06E-05
8586	437548.09	3763313.36	4.14E-05	1.41E-04	6.43E-06	2.31E-05	3.47E-06	1.07E-05
8587	437356.08	3763340.14	3.01E-05	1.02E-04	4.67E-06	1.67E-05	2.52E-06	7.76E-06
8588	437347.36	3763336.55	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.80E-06
8589	437338.64	3763332.95	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06
8590	437329.92	3763329.36	3.06E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.90E-06
8591	437321.2	3763325.76	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.96E-06
8592	437312.48	3763322.16	3.11E-05	1.06E-04	4.83E-06	1.73E-05	2.60E-06	8.03E-06
8593	437303.76	3763318.57	3.13E-05	1.07E-04	4.87E-06	1.74E-05	2.62E-06	8.09E-06
8594	437295.04	3763314.97	3.16E-05	1.08E-04	4.90E-06	1.76E-05	2.64E-06	8.15E-06
8595	437286.32	3763311.38	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.22E-06
8596	437277.6	3763307.78	3.21E-05	1.09E-04	4.98E-06	1.79E-05	2.68E-06	8.29E-06
8597	437268.88	3763304.19	3.24E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.36E-06
8598	437260.16	3763300.59	3.27E-05	1.12E-04	5.08E-06	1.82E-05	2.74E-06	8.45E-06
8599	437251.44	3763296.99	3.31E-05	1.13E-04	5.14E-06	1.84E-05	2.77E-06	8.54E-06
8600	437242.72	3763293.4	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.80E-06	8.63E-06
8601	437234	3763289.8	3.37E-05	1.15E-04	5.24E-06	1.88E-05	2.82E-06	8.72E-06
8602	437225.29	3763286.21	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.85E-06	8.81E-06
8603	437216.57	3763282.61	3.43E-05	1.17E-04	5.34E-06	1.91E-05	2.87E-06	8.87E-06
8604	437207.85	3763279.01	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.95E-06
8605	437199.13	3763275.42	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.02E-06
8606	437190.41	3763271.82	3.52E-05	1.20E-04	5.46E-06	1.96E-05	2.94E-06	9.09E-06
8607	437181.69	3763268.23	3.54E-05	1.21E-04	5.50E-06	1.97E-05	2.97E-06	9.15E-06
8608	437146.81	3763253.84	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.04E-06	9.40E-06
8609	437138.09	3763250.25	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.06E-06	9.46E-06
8610	437129.37	3763246.65	3.68E-05	1.26E-04	5.72E-06	2.05E-05	3.08E-06	9.51E-06
8611	437120.65	3763243.06	3.7E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.56E-06
8612	437111.93	3763239.46	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
8613	437103.21	3763235.86	3.72E-05	1.27E-04	5.79E-06	2.07E-05	3.12E-06	9.62E-06
8614	437094.5	3763232.27	3.74E-05	1.28E-04	5.81E-06	2.08E-05	3.13E-06	9.67E-06
8615	437085.78	3763228.67	3.76E-05	1.28E-04	5.84E-06	2.09E-05	3.14E-06	9.70E-06
8616	437077.06	3763225.08	3.76E-05	1.28E-04	5.85E-06	2.10E-05	3.15E-06	9.73E-06
8617	437068.34	3763221.48	3.77E-05	1.29E-04	5.86E-06	2.10E-05	3.16E-06	9.74E-06
8618	437059.62	3763217.89	3.78E-05	1.29E-04	5.87E-06	2.10E-05	3.16E-06	9.76E-06
8619	437050.9	3763214.29	3.78E-05	1.29E-04	5.87E-06	2.11E-05	3.16E-06	9.77E-06
8620	437042.18	3763210.69	3.78E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.78E-06
8621	437033.46	3763207.1	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.79E-06
8622	437021.13	3763194.79	3.89E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
8623	437017.51	3763186.08	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
8624	437013.9	3763177.37	4.08E-05	1.39E-04	6.35E-06	2.28E-05	3.42E-06	1.06E-05
8625	437010.29	3763168.66	4.18E-05	1.43E-04	6.50E-06	2.33E-05	3.50E-06	1.08E-05
8626	437006.67	3763159.94	4.3E-05	1.47E-04	6.69E-06	2.40E-05	3.60E-06	1.11E-05
8627	437003.06	3763151.23	4.42E-05	1.51E-04	6.87E-06	2.46E-05	3.70E-06	1.14E-05
8628	436999.44	3763142.52	4.53E-05	1.54E-04	7.04E-06	2.52E-05	3.79E-06	1.17E-05

8629	436995.83	3763133.81	4.63E-05	1.58E-04	7.20E-06	2.58E-05	3.88E-06	1.20E-05
8630	436992.22	3763125.1	4.74E-05	1.62E-04	7.36E-06	2.64E-05	3.96E-06	1.22E-05
8631	436988.6	3763116.38	4.84E-05	1.65E-04	7.52E-06	2.70E-05	4.05E-06	1.25E-05
8632	436984.99	3763107.67	4.94E-05	1.69E-04	7.68E-06	2.75E-05	4.14E-06	1.28E-05
8633	436981.37	3763098.96	5.04E-05	1.72E-04	7.83E-06	2.81E-05	4.22E-06	1.30E-05
8634	436977.76	3763090.25	5.14E-05	1.75E-04	7.99E-06	2.86E-05	4.30E-06	1.33E-05
8635	436974.15	3763081.54	5.24E-05	1.79E-04	8.14E-06	2.92E-05	4.38E-06	1.35E-05
8636	436970.53	3763072.82	5.33E-05	1.82E-04	8.28E-06	2.97E-05	4.46E-06	1.38E-05
8637	436966.92	3763064.11	5.42E-05	1.85E-04	8.42E-06	3.02E-05	4.54E-06	1.40E-05
8638	436963.3	3763055.4	5.51E-05	1.88E-04	8.55E-06	3.07E-05	4.61E-06	1.42E-05
8639	436959.69	3763046.69	5.59E-05	1.91E-04	8.68E-06	3.11E-05	4.68E-06	1.44E-05
8640	436956.08	3763037.98	5.67E-05	1.93E-04	8.80E-06	3.16E-05	4.74E-06	1.46E-05
8641	436952.46	3763029.27	5.74E-05	1.96E-04	8.92E-06	3.20E-05	4.81E-06	1.48E-05
8642	436948.85	3763020.55	5.81E-05	1.98E-04	9.03E-06	3.24E-05	4.86E-06	1.50E-05
8643	436945.24	3763011.84	5.88E-05	2.00E-04	9.13E-06	3.27E-05	4.92E-06	1.52E-05
8644	436941.62	3763003.13	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.53E-05
8645	436938.01	3762994.42	5.99E-05	2.04E-04	9.31E-06	3.34E-05	5.02E-06	1.55E-05
8646	436934.39	3762985.71	6.04E-05	2.06E-04	9.39E-06	3.37E-05	5.06E-06	1.56E-05
8647	436930.78	3762976.99	6.09E-05	2.08E-04	9.46E-06	3.39E-05	5.10E-06	1.57E-05
8648	436927.17	3762968.28	6.13E-05	2.09E-04	9.52E-06	3.41E-05	5.13E-06	1.58E-05
8649	436923.55	3762959.57	6.16E-05	2.10E-04	9.57E-06	3.43E-05	5.15E-06	1.59E-05
8650	436919.94	3762950.86	6.18E-05	2.11E-04	9.61E-06	3.44E-05	5.18E-06	1.60E-05
8651	436916.32	3762942.15	6.2E-05	2.11E-04	9.64E-06	3.45E-05	5.19E-06	1.60E-05
8652	436912.71	3762933.43	6.22E-05	2.12E-04	9.66E-06	3.46E-05	5.20E-06	1.61E-05
8653	436909.1	3762924.72	6.23E-05	2.12E-04	9.68E-06	3.47E-05	5.21E-06	1.61E-05
8654	436905.48	3762916.01	6.23E-05	2.12E-04	9.68E-06	3.47E-05	5.22E-06	1.61E-05
8655	436901.87	3762907.3	6.23E-05	2.12E-04	9.68E-06	3.47E-05	5.21E-06	1.61E-05
8656	436898.26	3762898.59	6.22E-05	2.12E-04	9.67E-06	3.47E-05	5.21E-06	1.61E-05
8657	437364.79	3763343.74	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
8658	437374.45	3763343.72	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.80E-06
8659	437384.1	3763343.7	3.05E-05	1.04E-04	4.74E-06	1.70E-05	2.55E-06	7.88E-06
8660	437393.75	3763343.68	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.96E-06
8661	437403.4	3763343.66	3.11E-05	1.06E-04	4.84E-06	1.73E-05	2.61E-06	8.05E-06
8662	437413.05	3763343.64	3.15E-05	1.08E-04	4.90E-06	1.76E-05	2.64E-06	8.15E-06
8663	437422.7	3763343.62	3.19E-05	1.09E-04	4.96E-06	1.78E-05	2.67E-06	8.25E-06
8664	437432.35	3763343.6	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.71E-06	8.36E-06
8665	437442	3763343.58	3.27E-05	1.11E-04	5.08E-06	1.82E-05	2.74E-06	8.45E-06
8666	437451.65	3763343.56	3.3E-05	1.13E-04	5.13E-06	1.84E-05	2.77E-06	8.54E-06
8667	437461.3	3763343.54	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.80E-06	8.63E-06
8668	437470.95	3763343.52	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.72E-06
8669	437480.6	3763343.5	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.86E-06	8.82E-06
8670	437490.25	3763343.48	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.92E-06
8671	437499.9	3763343.46	3.49E-05	1.19E-04	5.43E-06	1.95E-05	2.92E-06	9.03E-06
8672	437509.55	3763343.44	3.54E-05	1.21E-04	5.50E-06	1.97E-05	2.96E-06	9.14E-06
8673	437519.2	3763343.42	3.58E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.25E-06
8674	437528.85	3763343.4	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.32E-06
8675	437538.5	3763343.38	3.63E-05	1.24E-04	5.65E-06	2.02E-05	3.04E-06	9.39E-06
8676	437548.15	3763343.36	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.06E-06	9.46E-06
8677	437356.04	3763370.1	2.71E-05	9.25E-05	4.21E-06	1.51E-05	2.27E-06	7.01E-06
8678	437347.23	3763366.47	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
8679	437338.42	3763362.84	2.73E-05	9.32E-05	4.25E-06	1.52E-05	2.29E-06	7.06E-06
8680	437329.61	3763359.2	2.74E-05	9.36E-05	4.26E-06	1.53E-05	2.30E-06	7.09E-06

8681	437320.8	3763355.57	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
8682	437311.98	3763351.93	2.77E-05	9.44E-05	4.30E-06	1.54E-05	2.32E-06	7.16E-06
8683	437303.17	3763348.3	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
8684	437294.36	3763344.67	2.8E-05	9.53E-05	4.34E-06	1.56E-05	2.34E-06	7.22E-06
8685	437285.55	3763341.03	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
8686	437276.73	3763337.4	2.83E-05	9.66E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
8687	437267.92	3763333.76	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06
8688	437259.11	3763330.13	2.88E-05	9.83E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
8689	437250.3	3763326.49	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.43E-06	7.52E-06
8690	437241.48	3763322.86	2.94E-05	1.00E-04	4.56E-06	1.64E-05	2.46E-06	7.59E-06
8691	437232.67	3763319.23	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.65E-06
8692	437223.86	3763315.59	2.99E-05	1.02E-04	4.64E-06	1.67E-05	2.50E-06	7.72E-06
8693	437215.05	3763311.96	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.80E-06
8694	437206.23	3763308.32	3.05E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.87E-06
8695	437197.42	3763304.69	3.07E-05	1.05E-04	4.78E-06	1.71E-05	2.57E-06	7.95E-06
8696	437188.61	3763301.06	3.1E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
8697	437144.55	3763282.88	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.70E-06	8.34E-06
8698	437135.74	3763279.25	3.24E-05	1.11E-04	5.04E-06	1.81E-05	2.72E-06	8.38E-06
8699	437126.92	3763275.62	3.26E-05	1.11E-04	5.07E-06	1.82E-05	2.73E-06	8.42E-06
8700	437118.11	3763271.98	3.28E-05	1.12E-04	5.09E-06	1.82E-05	2.74E-06	8.46E-06
8701	437109.3	3763268.35	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.75E-06	8.50E-06
8702	437100.49	3763264.71	3.3E-05	1.13E-04	5.13E-06	1.84E-05	2.76E-06	8.53E-06
8703	437091.67	3763261.08	3.33E-05	1.13E-04	5.17E-06	1.85E-05	2.79E-06	8.60E-06
8704	437082.86	3763257.45	3.35E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.66E-06
8705	437074.05	3763253.81	3.37E-05	1.15E-04	5.24E-06	1.88E-05	2.82E-06	8.71E-06
8706	437065.24	3763250.18	3.39E-05	1.16E-04	5.26E-06	1.89E-05	2.84E-06	8.75E-06
8707	437056.42	3763246.54	3.4E-05	1.16E-04	5.28E-06	1.89E-05	2.85E-06	8.78E-06
8708	437047.61	3763242.91	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.85E-06	8.81E-06
8709	437038.8	3763239.27	3.42E-05	1.17E-04	5.31E-06	1.90E-05	2.86E-06	8.83E-06
8710	437029.99	3763235.64	3.42E-05	1.17E-04	5.32E-06	1.91E-05	2.87E-06	8.85E-06
8711	437021.17	3763232.01	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
8712	437012.36	3763228.37	3.43E-05	1.17E-04	5.34E-06	1.91E-05	2.87E-06	8.87E-06
8713	436999.9	3763215.93	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.10E-06
8714	436996.24	3763207.13	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.33E-06
8715	436992.59	3763198.32	3.7E-05	1.26E-04	5.74E-06	2.06E-05	3.09E-06	9.55E-06
8716	436988.94	3763189.52	3.78E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.78E-06
8717	436985.29	3763180.71	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
8718	436981.63	3763171.91	3.96E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.02E-05
8719	436977.98	3763163.1	4.06E-05	1.39E-04	6.31E-06	2.26E-05	3.40E-06	1.05E-05
8720	436974.33	3763154.3	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
8721	436970.68	3763145.49	4.24E-05	1.45E-04	6.59E-06	2.36E-05	3.55E-06	1.10E-05
8722	436967.03	3763136.69	4.33E-05	1.48E-04	6.73E-06	2.41E-05	3.63E-06	1.12E-05
8723	436963.37	3763127.88	4.42E-05	1.51E-04	6.87E-06	2.46E-05	3.70E-06	1.14E-05
8724	436959.72	3763119.08	4.51E-05	1.54E-04	7.01E-06	2.51E-05	3.77E-06	1.17E-05
8725	436956.07	3763110.28	4.6E-05	1.57E-04	7.14E-06	2.56E-05	3.85E-06	1.19E-05
8726	436952.42	3763101.47	4.68E-05	1.60E-04	7.27E-06	2.61E-05	3.92E-06	1.21E-05
8727	436948.76	3763092.67	4.76E-05	1.62E-04	7.40E-06	2.65E-05	3.99E-06	1.23E-05
8728	436945.11	3763083.86	4.85E-05	1.65E-04	7.53E-06	2.70E-05	4.06E-06	1.25E-05
8729	436941.46	3763075.06	4.92E-05	1.68E-04	7.65E-06	2.74E-05	4.12E-06	1.27E-05
8730	436937.81	3763066.25	5E-05	1.70E-04	7.77E-06	2.78E-05	4.18E-06	1.29E-05
8731	436934.15	3763057.45	5.07E-05	1.73E-04	7.88E-06	2.82E-05	4.24E-06	1.31E-05
8732	436930.5	3763048.64	5.14E-05	1.75E-04	7.98E-06	2.86E-05	4.30E-06	1.33E-05

8733	436926.85	3763039.84	5.2E-05	1.77E-04	8.08E-06	2.90E-05	4.35E-06	1.34E-05
8734	436923.2	3763031.03	5.26E-05	1.79E-04	8.18E-06	2.93E-05	4.40E-06	1.36E-05
8735	436919.54	3763022.23	5.32E-05	1.81E-04	8.26E-06	2.96E-05	4.45E-06	1.37E-05
8736	436915.89	3763013.42	5.37E-05	1.83E-04	8.34E-06	2.99E-05	4.50E-06	1.39E-05
8737	436912.24	3763004.62	5.42E-05	1.85E-04	8.42E-06	3.02E-05	4.54E-06	1.40E-05
8738	436908.59	3762995.81	5.46E-05	1.86E-04	8.49E-06	3.04E-05	4.57E-06	1.41E-05
8739	436904.93	3762987.01	5.5E-05	1.88E-04	8.55E-06	3.06E-05	4.60E-06	1.42E-05
8740	436901.28	3762978.2	5.53E-05	1.89E-04	8.60E-06	3.08E-05	4.63E-06	1.43E-05
8741	436897.63	3762969.4	5.56E-05	1.90E-04	8.64E-06	3.10E-05	4.66E-06	1.44E-05
8742	436893.98	3762960.59	5.58E-05	1.90E-04	8.68E-06	3.11E-05	4.67E-06	1.44E-05
8743	436890.32	3762951.79	5.6E-05	1.91E-04	8.71E-06	3.12E-05	4.69E-06	1.45E-05
8744	436886.67	3762942.98	5.62E-05	1.92E-04	8.73E-06	3.13E-05	4.70E-06	1.45E-05
8745	436883.02	3762934.18	5.63E-05	1.92E-04	8.74E-06	3.13E-05	4.71E-06	1.45E-05
8746	436879.37	3762925.37	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.71E-06	1.45E-05
8747	436875.71	3762916.57	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.71E-06	1.45E-05
8748	436872.06	3762907.76	5.63E-05	1.92E-04	8.74E-06	3.13E-05	4.71E-06	1.45E-05
8749	436868.41	3762898.96	5.62E-05	1.92E-04	8.73E-06	3.13E-05	4.70E-06	1.45E-05
8750	437364.86	3763373.74	2.7E-05	9.21E-05	4.20E-06	1.51E-05	2.26E-06	6.98E-06
8751	437374.51	3763373.72	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.04E-06
8752	437384.16	3763373.7	2.74E-05	9.34E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
8753	437393.81	3763373.68	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
8754	437403.46	3763373.66	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.18E-06
8755	437413.11	3763373.64	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.27E-06
8756	437422.76	3763373.62	2.85E-05	9.70E-05	4.42E-06	1.59E-05	2.38E-06	7.35E-06
8757	437432.41	3763373.6	2.88E-05	9.82E-05	4.47E-06	1.60E-05	2.41E-06	7.44E-06
8758	437442.06	3763373.58	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.43E-06	7.51E-06
8759	437451.71	3763373.56	2.94E-05	1.00E-04	4.56E-06	1.64E-05	2.46E-06	7.59E-06
8760	437461.36	3763373.54	2.97E-05	1.01E-04	4.61E-06	1.65E-05	2.48E-06	7.67E-06
8761	437471.01	3763373.52	3E-05	1.02E-04	4.67E-06	1.67E-05	2.51E-06	7.76E-06
8762	437480.66	3763373.5	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06
8763	437490.31	3763373.48	3.08E-05	1.05E-04	4.78E-06	1.71E-05	2.57E-06	7.95E-06
8764	437499.96	3763373.46	3.11E-05	1.06E-04	4.83E-06	1.73E-05	2.60E-06	8.03E-06
8765	437509.61	3763373.44	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
8766	437519.27	3763373.42	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.21E-06
8767	437528.92	3763373.4	3.21E-05	1.09E-04	4.99E-06	1.79E-05	2.69E-06	8.29E-06
8768	437538.57	3763373.38	3.24E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.37E-06
8769	437548.22	3763373.36	3.27E-05	1.12E-04	5.08E-06	1.82E-05	2.74E-06	8.45E-06
8770	437356.02	3763400.07	2.46E-05	8.40E-05	3.83E-06	1.37E-05	2.06E-06	6.36E-06
8771	437347.13	3763396.4	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
8772	437338.23	3763392.73	2.49E-05	8.48E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
8773	437329.33	3763389.06	2.5E-05	8.52E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
8774	437320.44	3763385.39	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
8775	437311.54	3763381.73	2.52E-05	8.58E-05	3.91E-06	1.40E-05	2.11E-06	6.50E-06
8776	437302.64	3763378.06	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
8777	437293.74	3763374.39	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
8778	437284.85	3763370.72	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
8779	437275.95	3763367.05	2.56E-05	8.72E-05	3.97E-06	1.42E-05	2.14E-06	6.61E-06
8780	437267.05	3763363.38	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
8781	437258.16	3763359.71	2.58E-05	8.80E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
8782	437249.26	3763356.04	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
8783	437240.36	3763352.37	2.61E-05	8.91E-05	4.06E-06	1.46E-05	2.19E-06	6.75E-06
8784	437231.47	3763348.7	2.64E-05	8.99E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06

8785	437222.57	3763345.04	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
8786	437213.67	3763341.37	2.69E-05	9.16E-05	4.17E-06	1.50E-05	2.25E-06	6.94E-06
8787	437204.78	3763337.7	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
8788	437195.88	3763334.03	2.73E-05	9.31E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
8789	437186.98	3763330.36	2.75E-05	9.39E-05	4.28E-06	1.53E-05	2.31E-06	7.12E-06
8790	437142.5	3763312.01	2.87E-05	9.78E-05	4.46E-06	1.60E-05	2.40E-06	7.41E-06
8791	437133.6	3763308.35	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
8792	437124.71	3763304.68	2.91E-05	9.91E-05	4.52E-06	1.62E-05	2.43E-06	7.51E-06
8793	437115.81	3763301.01	2.92E-05	9.97E-05	4.54E-06	1.63E-05	2.45E-06	7.56E-06
8794	437106.91	3763297.34	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.59E-06
8795	437098.02	3763293.67	2.95E-05	1.01E-04	4.59E-06	1.65E-05	2.47E-06	7.63E-06
8796	437089.12	3763290	2.98E-05	1.01E-04	4.62E-06	1.66E-05	2.49E-06	7.69E-06
8797	437080.22	3763286.33	3E-05	1.02E-04	4.66E-06	1.67E-05	2.51E-06	7.75E-06
8798	437071.33	3763282.66	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.81E-06
8799	437062.43	3763278.99	3.04E-05	1.04E-04	4.73E-06	1.69E-05	2.55E-06	7.86E-06
8800	437053.53	3763275.32	3.06E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.90E-06
8801	437044.64	3763271.66	3.07E-05	1.05E-04	4.78E-06	1.71E-05	2.57E-06	7.94E-06
8802	437035.74	3763267.99	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.97E-06
8803	437026.84	3763264.32	3.09E-05	1.06E-04	4.81E-06	1.72E-05	2.59E-06	7.99E-06
8804	437017.95	3763260.65	3.1E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.01E-06
8805	437009.05	3763256.98	3.11E-05	1.06E-04	4.83E-06	1.73E-05	2.60E-06	8.03E-06
8806	437000.15	3763253.31	3.12E-05	1.06E-04	4.85E-06	1.74E-05	2.61E-06	8.06E-06
8807	436991.25	3763249.64	3.12E-05	1.07E-04	4.85E-06	1.74E-05	2.62E-06	8.07E-06
8808	436978.67	3763237.08	3.2E-05	1.09E-04	4.97E-06	1.78E-05	2.68E-06	8.27E-06
8809	436974.98	3763228.19	3.27E-05	1.12E-04	5.08E-06	1.82E-05	2.74E-06	8.45E-06
8810	436971.3	3763219.31	3.35E-05	1.14E-04	5.20E-06	1.87E-05	2.80E-06	8.65E-06
8811	436967.61	3763210.42	3.43E-05	1.17E-04	5.32E-06	1.91E-05	2.87E-06	8.85E-06
8812	436963.92	3763201.53	3.5E-05	1.20E-04	5.45E-06	1.95E-05	2.93E-06	9.06E-06
8813	436960.23	3763192.64	3.58E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.26E-06
8814	436956.55	3763183.75	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.07E-06	9.46E-06
8815	436952.86	3763174.86	3.74E-05	1.28E-04	5.81E-06	2.08E-05	3.13E-06	9.67E-06
8816	436949.17	3763165.97	3.82E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.88E-06
8817	436945.48	3763157.08	3.9E-05	1.33E-04	6.07E-06	2.18E-05	3.27E-06	1.01E-05
8818	436941.8	3763148.19	3.98E-05	1.36E-04	6.19E-06	2.22E-05	3.33E-06	1.03E-05
8819	436938.11	3763139.3	4.06E-05	1.38E-04	6.31E-06	2.26E-05	3.40E-06	1.05E-05
8820	436934.42	3763130.41	4.14E-05	1.41E-04	6.43E-06	2.30E-05	3.46E-06	1.07E-05
8821	436930.73	3763121.53	4.21E-05	1.44E-04	6.54E-06	2.35E-05	3.53E-06	1.09E-05
8822	436927.05	3763112.64	4.29E-05	1.46E-04	6.66E-06	2.39E-05	3.59E-06	1.11E-05
8823	436923.36	3763103.75	4.36E-05	1.49E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
8824	436919.67	3763094.86	4.43E-05	1.51E-04	6.88E-06	2.47E-05	3.71E-06	1.14E-05
8825	436915.99	3763085.97	4.49E-05	1.53E-04	6.98E-06	2.50E-05	3.76E-06	1.16E-05
8826	436912.3	3763077.08	4.56E-05	1.55E-04	7.08E-06	2.54E-05	3.82E-06	1.18E-05
8827	436908.61	3763068.19	4.62E-05	1.58E-04	7.18E-06	2.57E-05	3.87E-06	1.19E-05
8828	436904.92	3763059.3	4.68E-05	1.60E-04	7.27E-06	2.61E-05	3.92E-06	1.21E-05
8829	436901.24	3763050.41	4.74E-05	1.61E-04	7.36E-06	2.64E-05	3.96E-06	1.22E-05
8830	436897.55	3763041.52	4.79E-05	1.63E-04	7.44E-06	2.67E-05	4.01E-06	1.24E-05
8831	436893.86	3763032.63	4.84E-05	1.65E-04	7.52E-06	2.69E-05	4.05E-06	1.25E-05
8832	436890.17	3763023.74	4.88E-05	1.66E-04	7.59E-06	2.72E-05	4.09E-06	1.26E-05
8833	436886.49	3763014.86	4.92E-05	1.68E-04	7.65E-06	2.74E-05	4.12E-06	1.27E-05
8834	436882.8	3763005.97	4.96E-05	1.69E-04	7.71E-06	2.76E-05	4.15E-06	1.28E-05
8835	436879.11	3762997.08	5E-05	1.70E-04	7.76E-06	2.78E-05	4.18E-06	1.29E-05
8836	436875.42	3762988.19	5.03E-05	1.71E-04	7.81E-06	2.80E-05	4.21E-06	1.30E-05

8837	436871.74	3762979.3	5.05E-05	1.72E-04	7.85E-06	2.81E-05	4.23E-06	1.31E-05
8838	436868.05	3762970.41	5.07E-05	1.73E-04	7.88E-06	2.83E-05	4.25E-06	1.31E-05
8839	436864.36	3762961.52	5.09E-05	1.74E-04	7.91E-06	2.84E-05	4.26E-06	1.32E-05
8840	436860.67	3762952.63	5.1E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
8841	436856.99	3762943.74	5.11E-05	1.74E-04	7.94E-06	2.85E-05	4.28E-06	1.32E-05
8842	436853.3	3762934.85	5.12E-05	1.74E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
8843	436849.61	3762925.96	5.12E-05	1.75E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
8844	436845.92	3762917.07	5.12E-05	1.74E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
8845	436842.24	3762908.19	5.11E-05	1.74E-04	7.94E-06	2.85E-05	4.28E-06	1.32E-05
8846	436838.55	3762899.3	5.1E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
8847	437364.92	3763403.74	2.45E-05	8.35E-05	3.81E-06	1.36E-05	2.05E-06	6.33E-06
8848	437374.57	3763403.72	2.46E-05	8.40E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
8849	437384.22	3763403.7	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
8850	437393.87	3763403.68	2.49E-05	8.49E-05	3.87E-06	1.39E-05	2.08E-06	6.43E-06
8851	437403.52	3763403.66	2.51E-05	8.54E-05	3.89E-06	1.40E-05	2.10E-06	6.47E-06
8852	437413.17	3763403.64	2.53E-05	8.61E-05	3.92E-06	1.41E-05	2.11E-06	6.53E-06
8853	437422.82	3763403.62	2.55E-05	8.68E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
8854	437432.47	3763403.6	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
8855	437442.12	3763403.58	2.6E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.71E-06
8856	437451.77	3763403.56	2.63E-05	8.96E-05	4.08E-06	1.46E-05	2.20E-06	6.79E-06
8857	437461.42	3763403.54	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.86E-06
8858	437471.07	3763403.52	2.68E-05	9.15E-05	4.17E-06	1.49E-05	2.24E-06	6.93E-06
8859	437480.73	3763403.5	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
8860	437490.38	3763403.48	2.74E-05	9.33E-05	4.25E-06	1.52E-05	2.29E-06	7.07E-06
8861	437500.03	3763403.46	2.76E-05	9.42E-05	4.29E-06	1.54E-05	2.31E-06	7.14E-06
8862	437509.68	3763403.44	2.79E-05	9.51E-05	4.34E-06	1.55E-05	2.34E-06	7.21E-06
8863	437519.33	3763403.42	2.82E-05	9.61E-05	4.38E-06	1.57E-05	2.36E-06	7.28E-06
8864	437528.98	3763403.4	2.84E-05	9.69E-05	4.41E-06	1.58E-05	2.38E-06	7.34E-06
8865	437538.63	3763403.38	2.86E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.40E-06
8866	437548.28	3763403.36	2.88E-05	9.81E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
8867	437356.2	3763430.12	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
8868	437347.42	3763426.5	2.26E-05	7.69E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
8869	437338.65	3763422.88	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.86E-06
8870	437329.87	3763419.26	2.28E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
8871	437321.09	3763415.64	2.3E-05	7.84E-05	3.57E-06	1.28E-05	1.92E-06	5.94E-06
8872	437312.31	3763412.02	2.31E-05	7.89E-05	3.59E-06	1.29E-05	1.94E-06	5.98E-06
8873	437303.53	3763408.4	2.33E-05	7.94E-05	3.62E-06	1.30E-05	1.95E-06	6.01E-06
8874	437294.75	3763404.78	2.34E-05	7.97E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06
8875	437285.97	3763401.16	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
8876	437277.2	3763397.54	2.35E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.08E-06
8877	437268.42	3763393.92	2.36E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
8878	437259.64	3763390.3	2.36E-05	8.04E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
8879	437250.86	3763386.68	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
8880	437242.08	3763383.06	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
8881	437233.3	3763379.44	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.16E-06
8882	437224.52	3763375.82	2.4E-05	8.19E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
8883	437215.75	3763372.19	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
8884	437206.97	3763368.57	2.43E-05	8.30E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
8885	437198.19	3763364.95	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.33E-06
8886	437189.41	3763361.33	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
8887	437145.52	3763343.23	2.57E-05	8.77E-05	4.00E-06	1.43E-05	2.15E-06	6.65E-06
8888	437136.74	3763339.61	2.59E-05	8.83E-05	4.03E-06	1.44E-05	2.17E-06	6.69E-06

8889	437127.96	3763335.99	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.74E-06
8890	437119.18	3763332.37	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.78E-06
8891	437110.4	3763328.75	2.64E-05	9.00E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06
8892	437101.62	3763325.13	2.65E-05	9.05E-05	4.12E-06	1.48E-05	2.22E-06	6.86E-06
8893	437092.85	3763321.51	2.68E-05	9.13E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
8894	437084.07	3763317.89	2.7E-05	9.20E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
8895	437075.29	3763314.27	2.72E-05	9.26E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
8896	437066.51	3763310.65	2.73E-05	9.32E-05	4.25E-06	1.52E-05	2.29E-06	7.06E-06
8897	437057.73	3763307.03	2.75E-05	9.37E-05	4.27E-06	1.53E-05	2.30E-06	7.10E-06
8898	437048.95	3763303.41	2.76E-05	9.43E-05	4.30E-06	1.54E-05	2.31E-06	7.14E-06
8899	437040.17	3763299.79	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
8900	437031.4	3763296.17	2.79E-05	9.53E-05	4.34E-06	1.56E-05	2.34E-06	7.22E-06
8901	437022.62	3763292.55	2.81E-05	9.57E-05	4.36E-06	1.56E-05	2.35E-06	7.25E-06
8902	437013.84	3763288.93	2.82E-05	9.61E-05	4.38E-06	1.57E-05	2.36E-06	7.28E-06
8903	437005.06	3763285.31	2.82E-05	9.62E-05	4.39E-06	1.57E-05	2.36E-06	7.29E-06
8904	436996.28	3763281.69	2.83E-05	9.64E-05	4.39E-06	1.58E-05	2.37E-06	7.31E-06
8905	436987.5	3763278.07	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
8906	436978.72	3763274.45	2.84E-05	9.70E-05	4.42E-06	1.58E-05	2.38E-06	7.35E-06
8907	436969.95	3763270.83	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
8908	436957.53	3763258.44	2.92E-05	9.95E-05	4.54E-06	1.63E-05	2.44E-06	7.54E-06
8909	436953.89	3763249.67	2.98E-05	1.02E-04	4.63E-06	1.66E-05	2.50E-06	7.70E-06
8910	436950.25	3763240.9	3.05E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.87E-06
8911	436946.61	3763232.12	3.11E-05	1.06E-04	4.84E-06	1.73E-05	2.60E-06	8.04E-06
8912	436942.97	3763223.35	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.22E-06
8913	436939.34	3763214.58	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.39E-06
8914	436935.7	3763205.81	3.32E-05	1.13E-04	5.15E-06	1.85E-05	2.77E-06	8.57E-06
8915	436932.06	3763197.04	3.38E-05	1.15E-04	5.26E-06	1.88E-05	2.83E-06	8.74E-06
8916	436928.42	3763188.27	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.92E-06
8917	436924.78	3763179.5	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.09E-06
8918	436921.14	3763170.73	3.59E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.27E-06
8919	436917.51	3763161.96	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.06E-06	9.46E-06
8920	436913.87	3763153.18	3.73E-05	1.27E-04	5.79E-06	2.08E-05	3.12E-06	9.63E-06
8921	436910.23	3763144.41	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.80E-06
8922	436906.59	3763135.64	3.86E-05	1.31E-04	5.99E-06	2.15E-05	3.23E-06	9.96E-06
8923	436902.95	3763126.87	3.92E-05	1.34E-04	6.09E-06	2.18E-05	3.28E-06	1.01E-05
8924	436899.31	3763118.1	3.98E-05	1.36E-04	6.19E-06	2.22E-05	3.33E-06	1.03E-05
8925	436895.68	3763109.33	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
8926	436892.04	3763100.56	4.1E-05	1.40E-04	6.37E-06	2.28E-05	3.43E-06	1.06E-05
8927	436888.4	3763091.79	4.16E-05	1.42E-04	6.46E-06	2.31E-05	3.48E-06	1.07E-05
8928	436884.76	3763083.02	4.21E-05	1.44E-04	6.54E-06	2.34E-05	3.52E-06	1.09E-05
8929	436881.12	3763074.25	4.26E-05	1.45E-04	6.62E-06	2.37E-05	3.57E-06	1.10E-05
8930	436877.48	3763065.47	4.31E-05	1.47E-04	6.69E-06	2.40E-05	3.61E-06	1.11E-05
8931	436873.85	3763056.7	4.35E-05	1.48E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
8932	436870.21	3763047.93	4.4E-05	1.50E-04	6.83E-06	2.45E-05	3.68E-06	1.14E-05
8933	436866.57	3763039.16	4.44E-05	1.51E-04	6.90E-06	2.47E-05	3.72E-06	1.15E-05
8934	436862.93	3763030.39	4.48E-05	1.53E-04	6.96E-06	2.49E-05	3.75E-06	1.16E-05
8935	436859.29	3763021.62	4.51E-05	1.54E-04	7.01E-06	2.51E-05	3.78E-06	1.17E-05
8936	436855.65	3763012.85	4.54E-05	1.55E-04	7.06E-06	2.53E-05	3.80E-06	1.17E-05
8937	436852.01	3763004.08	4.57E-05	1.56E-04	7.10E-06	2.55E-05	3.82E-06	1.18E-05
8938	436848.38	3762995.31	4.59E-05	1.57E-04	7.14E-06	2.56E-05	3.85E-06	1.19E-05
8939	436844.74	3762986.53	4.61E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
8940	436841.1	3762977.76	4.63E-05	1.58E-04	7.20E-06	2.58E-05	3.88E-06	1.20E-05

8941	436837.46	3762968.99	4.65E-05	1.58E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
8942	436833.82	3762960.22	4.66E-05	1.59E-04	7.24E-06	2.59E-05	3.90E-06	1.20E-05
8943	436830.18	3762951.45	4.67E-05	1.59E-04	7.25E-06	2.60E-05	3.90E-06	1.21E-05
8944	436826.55	3762942.68	4.67E-05	1.59E-04	7.26E-06	2.60E-05	3.91E-06	1.21E-05
8945	436822.91	3762933.91	4.67E-05	1.59E-04	7.26E-06	2.60E-05	3.91E-06	1.21E-05
8946	436819.27	3762925.14	4.67E-05	1.59E-04	7.26E-06	2.60E-05	3.91E-06	1.21E-05
8947	436815.63	3762916.37	4.67E-05	1.59E-04	7.25E-06	2.60E-05	3.91E-06	1.21E-05
8948	436811.99	3762907.6	4.66E-05	1.59E-04	7.24E-06	2.60E-05	3.90E-06	1.20E-05
8949	437364.98	3763433.74	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
8950	437374.63	3763433.72	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
8951	437384.28	3763433.7	2.26E-05	7.70E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
8952	437393.93	3763433.68	2.27E-05	7.75E-05	3.53E-06	1.27E-05	1.90E-06	5.87E-06
8953	437403.58	3763433.66	2.29E-05	7.80E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
8954	437413.23	3763433.64	2.3E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
8955	437422.88	3763433.62	2.32E-05	7.91E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
8956	437432.53	3763433.6	2.34E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
8957	437442.19	3763433.58	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
8958	437451.84	3763433.56	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
8959	437461.49	3763433.54	2.38E-05	8.11E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
8960	437471.14	3763433.52	2.4E-05	8.20E-05	3.73E-06	1.34E-05	2.01E-06	6.21E-06
8961	437480.79	3763433.5	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
8962	437490.44	3763433.48	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
8963	437500.09	3763433.46	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
8964	437509.74	3763433.44	2.5E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
8965	437519.39	3763433.42	2.52E-05	8.58E-05	3.91E-06	1.40E-05	2.11E-06	6.50E-06
8966	437529.04	3763433.4	2.54E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
8967	437538.69	3763433.38	2.55E-05	8.71E-05	3.97E-06	1.42E-05	2.14E-06	6.60E-06
8968	437548.34	3763433.36	2.57E-05	8.77E-05	4.00E-06	1.43E-05	2.15E-06	6.64E-06
8969	437356.19	3763460.09	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
8970	437347.33	3763456.43	2.05E-05	7.00E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
8971	437338.48	3763452.78	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06
8972	437329.62	3763449.13	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
8973	437320.77	3763445.48	2.09E-05	7.14E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
8974	437311.91	3763441.83	2.11E-05	7.20E-05	3.28E-06	1.18E-05	1.77E-06	5.45E-06
8975	437303.05	3763438.17	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.50E-06
8976	437294.2	3763434.52	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
8977	437285.34	3763430.87	2.15E-05	7.32E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
8978	437276.49	3763427.22	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
8979	437267.63	3763423.57	2.17E-05	7.39E-05	3.37E-06	1.21E-05	1.82E-06	5.60E-06
8980	437258.78	3763419.91	2.17E-05	7.41E-05	3.38E-06	1.21E-05	1.82E-06	5.61E-06
8981	437249.92	3763416.26	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
8982	437241.07	3763412.61	2.18E-05	7.43E-05	3.38E-06	1.21E-05	1.82E-06	5.63E-06
8983	437232.21	3763408.96	2.18E-05	7.44E-05	3.39E-06	1.22E-05	1.83E-06	5.64E-06
8984	437223.35	3763405.31	2.19E-05	7.46E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
8985	437214.5	3763401.65	2.2E-05	7.50E-05	3.42E-06	1.22E-05	1.84E-06	5.68E-06
8986	437205.64	3763398	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.71E-06
8987	437196.79	3763394.35	2.22E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.75E-06
8988	437187.93	3763390.7	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.87E-06	5.79E-06
8989	437143.65	3763372.44	2.33E-05	7.93E-05	3.61E-06	1.30E-05	1.95E-06	6.01E-06
8990	437134.8	3763368.79	2.34E-05	7.99E-05	3.64E-06	1.31E-05	1.96E-06	6.06E-06
8991	437125.94	3763365.14	2.36E-05	8.05E-05	3.67E-06	1.31E-05	1.98E-06	6.10E-06
8992	437117.09	3763361.48	2.37E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06

8993	437108.23	3763357.83	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
8994	437099.38	3763354.18	2.4E-05	8.19E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
8995	437090.52	3763350.53	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
8996	437081.67	3763346.88	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
8997	437072.81	3763343.22	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
8998	437063.95	3763339.57	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
8999	437055.1	3763335.92	2.49E-05	8.50E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
9000	437046.24	3763332.27	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
9001	437037.39	3763328.62	2.52E-05	8.59E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
9002	437028.53	3763324.96	2.53E-05	8.63E-05	3.93E-06	1.41E-05	2.12E-06	6.54E-06
9003	437019.68	3763321.31	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
9004	437010.82	3763317.66	2.55E-05	8.70E-05	3.97E-06	1.42E-05	2.14E-06	6.60E-06
9005	437001.96	3763314.01	2.56E-05	8.74E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
9006	436993.11	3763310.36	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
9007	436984.25	3763306.7	2.58E-05	8.79E-05	4.00E-06	1.44E-05	2.16E-06	6.66E-06
9008	436975.4	3763303.05	2.58E-05	8.80E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
9009	436966.54	3763299.4	2.59E-05	8.82E-05	4.02E-06	1.44E-05	2.16E-06	6.68E-06
9010	436957.69	3763295.75	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
9011	436948.83	3763292.1	2.6E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.71E-06
9012	436936.31	3763279.6	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.86E-06
9013	436932.64	3763270.75	2.72E-05	9.26E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
9014	436928.96	3763261.9	2.78E-05	9.47E-05	4.31E-06	1.55E-05	2.32E-06	7.17E-06
9015	436925.29	3763253.05	2.84E-05	9.68E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
9016	436921.62	3763244.2	2.9E-05	9.89E-05	4.50E-06	1.62E-05	2.43E-06	7.49E-06
9017	436917.95	3763235.36	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.65E-06
9018	436914.28	3763226.51	3.02E-05	1.03E-04	4.70E-06	1.68E-05	2.53E-06	7.81E-06
9019	436910.61	3763217.66	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.97E-06
9020	436906.94	3763208.81	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
9021	436903.27	3763199.96	3.21E-05	1.09E-04	4.98E-06	1.79E-05	2.69E-06	8.29E-06
9022	436899.6	3763191.12	3.27E-05	1.11E-04	5.08E-06	1.82E-05	2.74E-06	8.44E-06
9023	436895.93	3763182.27	3.33E-05	1.13E-04	5.17E-06	1.85E-05	2.78E-06	8.60E-06
9024	436892.26	3763173.42	3.39E-05	1.15E-04	5.26E-06	1.89E-05	2.83E-06	8.75E-06
9025	436888.59	3763164.57	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.91E-06
9026	436884.92	3763155.72	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.94E-06	9.06E-06
9027	436881.25	3763146.88	3.56E-05	1.22E-04	5.54E-06	1.99E-05	2.98E-06	9.21E-06
9028	436877.58	3763138.03	3.62E-05	1.23E-04	5.62E-06	2.02E-05	3.03E-06	9.35E-06
9029	436873.91	3763129.18	3.67E-05	1.25E-04	5.71E-06	2.05E-05	3.07E-06	9.49E-06
9030	436870.24	3763120.33	3.73E-05	1.27E-04	5.79E-06	2.08E-05	3.12E-06	9.63E-06
9031	436866.57	3763111.48	3.78E-05	1.29E-04	5.87E-06	2.10E-05	3.16E-06	9.76E-06
9032	436862.9	3763102.64	3.83E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.88E-06
9033	436859.23	3763093.79	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
9034	436855.56	3763084.94	3.92E-05	1.34E-04	6.09E-06	2.18E-05	3.28E-06	1.01E-05
9035	436851.89	3763076.09	3.96E-05	1.35E-04	6.15E-06	2.21E-05	3.31E-06	1.02E-05
9036	436848.22	3763067.24	4E-05	1.36E-04	6.22E-06	2.23E-05	3.35E-06	1.03E-05
9037	436844.55	3763058.4	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
9038	436840.88	3763049.55	4.07E-05	1.39E-04	6.33E-06	2.27E-05	3.41E-06	1.05E-05
9039	436837.21	3763040.7	4.11E-05	1.40E-04	6.38E-06	2.29E-05	3.44E-06	1.06E-05
9040	436833.54	3763031.85	4.14E-05	1.41E-04	6.43E-06	2.30E-05	3.46E-06	1.07E-05
9041	436829.87	3763023	4.16E-05	1.42E-04	6.47E-06	2.32E-05	3.49E-06	1.08E-05
9042	436826.2	3763014.16	4.19E-05	1.43E-04	6.51E-06	2.33E-05	3.51E-06	1.08E-05
9043	436822.53	3763005.31	4.21E-05	1.44E-04	6.54E-06	2.35E-05	3.52E-06	1.09E-05
9044	436818.85	3762996.46	4.23E-05	1.44E-04	6.57E-06	2.36E-05	3.54E-06	1.09E-05

9045	436815.18	3762987.61	4.24E-05	1.45E-04	6.60E-06	2.36E-05	3.55E-06	1.10E-05
9046	436811.51	3762978.76	4.26E-05	1.45E-04	6.62E-06	2.37E-05	3.56E-06	1.10E-05
9047	436807.84	3762969.92	4.27E-05	1.46E-04	6.63E-06	2.38E-05	3.57E-06	1.10E-05
9048	436804.17	3762961.07	4.28E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
9049	436800.5	3762952.22	4.28E-05	1.46E-04	6.65E-06	2.38E-05	3.58E-06	1.11E-05
9050	436796.83	3762943.37	4.28E-05	1.46E-04	6.66E-06	2.39E-05	3.59E-06	1.11E-05
9051	436793.16	3762934.52	4.28E-05	1.46E-04	6.65E-06	2.39E-05	3.58E-06	1.11E-05
9052	436789.49	3762925.68	4.28E-05	1.46E-04	6.65E-06	2.38E-05	3.58E-06	1.11E-05
9053	436785.82	3762916.83	4.28E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
9054	436782.15	3762907.98	4.27E-05	1.46E-04	6.63E-06	2.38E-05	3.57E-06	1.10E-05
9055	437365.04	3763463.74	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
9056	437374.69	3763463.72	2.06E-05	7.01E-05	3.20E-06	1.15E-05	1.72E-06	5.31E-06
9057	437384.34	3763463.7	2.07E-05	7.07E-05	3.22E-06	1.15E-05	1.73E-06	5.36E-06
9058	437394	3763463.68	2.09E-05	7.12E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
9059	437403.65	3763463.66	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
9060	437413.3	3763463.64	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
9061	437422.95	3763463.62	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
9062	437432.6	3763463.6	2.14E-05	7.28E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
9063	437442.25	3763463.58	2.14E-05	7.30E-05	3.33E-06	1.19E-05	1.79E-06	5.54E-06
9064	437451.9	3763463.56	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
9065	437461.55	3763463.54	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
9066	437471.2	3763463.52	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
9067	437480.85	3763463.5	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
9068	437490.5	3763463.48	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.71E-06
9069	437500.15	3763463.46	2.23E-05	7.60E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
9070	437509.8	3763463.44	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9071	437519.45	3763463.42	2.27E-05	7.73E-05	3.52E-06	1.26E-05	1.90E-06	5.85E-06
9072	437529.1	3763463.4	2.28E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
9073	437538.75	3763463.38	2.3E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
9074	437548.4	3763463.36	2.32E-05	7.91E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
9075	437356.24	3763500.07	1.81E-05	6.18E-05	2.81E-06	1.01E-05	1.52E-06	4.68E-06
9076	437347.35	3763496.41	1.82E-05	6.20E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
9077	437338.46	3763492.74	1.82E-05	6.22E-05	2.84E-06	1.02E-05	1.53E-06	4.71E-06
9078	437329.57	3763489.07	1.83E-05	6.25E-05	2.85E-06	1.02E-05	1.53E-06	4.73E-06
9079	437320.67	3763485.41	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9080	437311.78	3763481.74	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
9081	437302.89	3763478.07	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
9082	437294	3763474.41	1.88E-05	6.41E-05	2.92E-06	1.05E-05	1.57E-06	4.86E-06
9083	437285.11	3763470.74	1.9E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.90E-06
9084	437276.22	3763467.08	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
9085	437267.33	3763463.41	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
9086	437258.44	3763459.74	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
9087	437249.55	3763456.08	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
9088	437240.66	3763452.41	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.99E-06
9089	437231.77	3763448.74	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
9090	437222.88	3763445.08	1.93E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
9091	437213.99	3763441.41	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
9092	437205.1	3763437.75	1.93E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
9093	437196.21	3763434.08	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
9094	437187.32	3763430.41	1.95E-05	6.66E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
9095	437142.87	3763412.08	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
9096	437133.98	3763408.41	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.73E-06	5.33E-06

9097	437125.09	3763404.75	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.36E-06
9098	437116.2	3763401.08	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
9099	437107.31	3763397.42	2.11E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
9100	437098.42	3763393.75	2.12E-05	7.23E-05	3.29E-06	1.18E-05	1.77E-06	5.48E-06
9101	437089.53	3763390.08	2.13E-05	7.28E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
9102	437080.64	3763386.42	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
9103	437071.75	3763382.75	2.16E-05	7.38E-05	3.36E-06	1.20E-05	1.81E-06	5.59E-06
9104	437062.86	3763379.08	2.18E-05	7.43E-05	3.39E-06	1.21E-05	1.82E-06	5.63E-06
9105	437053.97	3763375.42	2.2E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
9106	437045.08	3763371.75	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
9107	437036.19	3763368.09	2.23E-05	7.60E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
9108	437027.29	3763364.42	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
9109	437018.4	3763360.75	2.25E-05	7.69E-05	3.50E-06	1.26E-05	1.89E-06	5.83E-06
9110	437009.51	3763357.09	2.27E-05	7.73E-05	3.52E-06	1.26E-05	1.90E-06	5.86E-06
9111	437000.62	3763353.42	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
9112	436991.73	3763349.75	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
9113	436982.84	3763346.09	2.3E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
9114	436973.95	3763342.42	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
9115	436965.06	3763338.75	2.32E-05	7.90E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
9116	436956.17	3763335.09	2.32E-05	7.91E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
9117	436947.28	3763331.42	2.32E-05	7.92E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
9118	436938.39	3763327.76	2.33E-05	7.93E-05	3.61E-06	1.30E-05	1.95E-06	6.01E-06
9119	436929.5	3763324.09	2.33E-05	7.94E-05	3.62E-06	1.30E-05	1.95E-06	6.02E-06
9120	436920.61	3763320.42	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
9121	436908.04	3763307.87	2.38E-05	8.11E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
9122	436904.35	3763298.99	2.42E-05	8.26E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
9123	436900.67	3763290.11	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
9124	436896.98	3763281.23	2.52E-05	8.60E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
9125	436893.3	3763272.34	2.57E-05	8.77E-05	4.00E-06	1.43E-05	2.15E-06	6.64E-06
9126	436889.61	3763263.46	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
9127	436885.93	3763254.58	2.67E-05	9.12E-05	4.15E-06	1.49E-05	2.24E-06	6.91E-06
9128	436882.24	3763245.7	2.73E-05	9.30E-05	4.24E-06	1.52E-05	2.28E-06	7.05E-06
9129	436878.56	3763236.81	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.18E-06
9130	436874.87	3763227.93	2.83E-05	9.66E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
9131	436871.19	3763219.05	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.42E-06	7.46E-06
9132	436867.5	3763210.16	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.59E-06
9133	436863.82	3763201.28	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
9134	436860.13	3763192.4	3.04E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.87E-06
9135	436856.45	3763183.52	3.1E-05	1.06E-04	4.81E-06	1.73E-05	2.59E-06	8.00E-06
9136	436852.77	3763174.63	3.15E-05	1.07E-04	4.90E-06	1.76E-05	2.64E-06	8.14E-06
9137	436849.08	3763165.75	3.2E-05	1.09E-04	4.98E-06	1.78E-05	2.68E-06	8.28E-06
9138	436845.4	3763156.87	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
9139	436841.71	3763147.99	3.3E-05	1.12E-04	5.13E-06	1.84E-05	2.76E-06	8.52E-06
9140	436838.03	3763139.1	3.34E-05	1.14E-04	5.20E-06	1.86E-05	2.80E-06	8.64E-06
9141	436834.34	3763130.22	3.39E-05	1.15E-04	5.26E-06	1.89E-05	2.84E-06	8.75E-06
9142	436830.66	3763121.34	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
9143	436826.97	3763112.46	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.90E-06	8.96E-06
9144	436823.29	3763103.57	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.94E-06	9.06E-06
9145	436819.6	3763094.69	3.54E-05	1.21E-04	5.51E-06	1.97E-05	2.97E-06	9.16E-06
9146	436815.92	3763085.81	3.58E-05	1.22E-04	5.56E-06	1.99E-05	2.99E-06	9.24E-06
9147	436812.23	3763076.92	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.32E-06
9148	436808.55	3763068.04	3.64E-05	1.24E-04	5.66E-06	2.03E-05	3.05E-06	9.41E-06

9149	436804.86	3763059.16	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.48E-06
9150	436801.18	3763050.28	3.7E-05	1.26E-04	5.75E-06	2.06E-05	3.09E-06	9.55E-06
9151	436797.49	3763041.39	3.72E-05	1.27E-04	5.78E-06	2.07E-05	3.11E-06	9.62E-06
9152	436793.81	3763032.51	3.74E-05	1.28E-04	5.82E-06	2.09E-05	3.13E-06	9.67E-06
9153	436790.13	3763023.63	3.76E-05	1.28E-04	5.85E-06	2.10E-05	3.15E-06	9.72E-06
9154	436786.44	3763014.75	3.78E-05	1.29E-04	5.87E-06	2.11E-05	3.16E-06	9.77E-06
9155	436782.76	3763005.86	3.79E-05	1.29E-04	5.90E-06	2.11E-05	3.18E-06	9.80E-06
9156	436779.07	3762996.98	3.81E-05	1.30E-04	5.91E-06	2.12E-05	3.19E-06	9.84E-06
9157	436775.39	3762988.1	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.19E-06	9.86E-06
9158	437365.13	3763503.74	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
9159	437374.78	3763503.72	1.82E-05	6.20E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
9160	437384.43	3763503.7	1.83E-05	6.25E-05	2.85E-06	1.02E-05	1.53E-06	4.73E-06
9161	437394.08	3763503.68	1.85E-05	6.30E-05	2.87E-06	1.03E-05	1.55E-06	4.77E-06
9162	437403.73	3763503.66	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
9163	437413.38	3763503.64	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
9164	437423.03	3763503.62	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.86E-06
9165	437432.68	3763503.6	1.89E-05	6.46E-05	2.94E-06	1.05E-05	1.59E-06	4.89E-06
9166	437442.33	3763503.58	1.9E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
9167	437451.98	3763503.56	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
9168	437461.63	3763503.54	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
9169	437471.28	3763503.52	1.94E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
9170	437480.93	3763503.5	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
9171	437490.58	3763503.48	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.06E-06
9172	437500.23	3763503.46	1.97E-05	6.72E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
9173	437509.88	3763503.44	1.98E-05	6.76E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
9174	437519.53	3763503.42	2E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
9175	437529.19	3763503.4	2.01E-05	6.87E-05	3.13E-06	1.12E-05	1.69E-06	5.20E-06
9176	437538.84	3763503.38	2.03E-05	6.92E-05	3.15E-06	1.13E-05	1.70E-06	5.24E-06
9177	437548.49	3763503.36	2.05E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
9178	437356.29	3763540.06	1.63E-05	5.55E-05	2.53E-06	9.06E-06	1.36E-06	4.20E-06
9179	437347.37	3763536.38	1.63E-05	5.56E-05	2.53E-06	9.09E-06	1.37E-06	4.21E-06
9180	437338.45	3763532.7	1.64E-05	5.58E-05	2.54E-06	9.11E-06	1.37E-06	4.23E-06
9181	437329.52	3763529.02	1.64E-05	5.60E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
9182	437320.6	3763525.34	1.65E-05	5.61E-05	2.56E-06	9.17E-06	1.38E-06	4.25E-06
9183	437311.68	3763521.66	1.65E-05	5.63E-05	2.57E-06	9.20E-06	1.38E-06	4.27E-06
9184	437302.76	3763517.99	1.66E-05	5.65E-05	2.58E-06	9.23E-06	1.39E-06	4.28E-06
9185	437293.84	3763514.31	1.66E-05	5.68E-05	2.59E-06	9.27E-06	1.39E-06	4.30E-06
9186	437284.92	3763510.63	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
9187	437276	3763506.95	1.68E-05	5.73E-05	2.61E-06	9.35E-06	1.41E-06	4.34E-06
9188	437267.08	3763503.27	1.68E-05	5.74E-05	2.61E-06	9.37E-06	1.41E-06	4.35E-06
9189	437258.16	3763499.59	1.69E-05	5.75E-05	2.62E-06	9.39E-06	1.41E-06	4.35E-06
9190	437249.23	3763495.91	1.69E-05	5.76E-05	2.62E-06	9.41E-06	1.41E-06	4.36E-06
9191	437240.31	3763492.23	1.69E-05	5.78E-05	2.63E-06	9.44E-06	1.42E-06	4.38E-06
9192	437231.39	3763488.55	1.7E-05	5.79E-05	2.64E-06	9.46E-06	1.42E-06	4.39E-06
9193	437222.47	3763484.87	1.7E-05	5.80E-05	2.64E-06	9.48E-06	1.42E-06	4.40E-06
9194	437213.55	3763481.19	1.71E-05	5.83E-05	2.66E-06	9.53E-06	1.43E-06	4.42E-06
9195	437204.63	3763477.52	1.72E-05	5.87E-05	2.67E-06	9.59E-06	1.44E-06	4.45E-06
9196	437195.71	3763473.84	1.73E-05	5.92E-05	2.70E-06	9.66E-06	1.45E-06	4.48E-06
9197	437186.79	3763470.16	1.75E-05	5.96E-05	2.72E-06	9.74E-06	1.46E-06	4.52E-06
9198	437142.18	3763451.76	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06
9199	437133.26	3763448.08	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9200	437124.34	3763444.4	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06

9201	437115.42	3763440.73	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9202	437106.5	3763437.05	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06
9203	437097.57	3763433.37	1.86E-05	6.35E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
9204	437088.65	3763429.69	1.88E-05	6.40E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06
9205	437079.73	3763426.01	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
9206	437070.81	3763422.33	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.92E-06
9207	437061.89	3763418.65	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	5.00E-06
9208	437052.97	3763414.97	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
9209	437044.05	3763411.29	1.96E-05	6.70E-05	3.05E-06	1.09E-05	1.64E-06	5.07E-06
9210	437035.13	3763407.61	1.98E-05	6.75E-05	3.07E-06	1.10E-05	1.66E-06	5.11E-06
9211	437026.2	3763403.94	1.99E-05	6.79E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
9212	437017.28	3763400.26	2.01E-05	6.84E-05	3.12E-06	1.12E-05	1.68E-06	5.18E-06
9213	437008.36	3763396.58	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
9214	436999.44	3763392.9	2.03E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
9215	436990.52	3763389.22	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
9216	436981.6	3763385.54	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.73E-06	5.33E-06
9217	436972.68	3763381.86	2.07E-05	7.07E-05	3.22E-06	1.16E-05	1.74E-06	5.36E-06
9218	436963.76	3763378.18	2.08E-05	7.10E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
9219	436954.84	3763374.5	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
9220	436945.91	3763370.82	2.1E-05	7.15E-05	3.26E-06	1.17E-05	1.75E-06	5.42E-06
9221	436936.99	3763367.14	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
9222	436928.07	3763363.47	2.11E-05	7.19E-05	3.28E-06	1.17E-05	1.77E-06	5.45E-06
9223	436919.15	3763359.79	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
9224	436910.23	3763356.11	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
9225	436901.31	3763352.43	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
9226	436892.39	3763348.75	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
9227	436879.77	3763336.16	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.56E-06
9228	436876.07	3763327.24	2.19E-05	7.47E-05	3.40E-06	1.22E-05	1.83E-06	5.66E-06
9229	436872.37	3763318.33	2.23E-05	7.60E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
9230	436868.68	3763309.42	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.87E-06
9231	436864.98	3763300.5	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
9232	436861.28	3763291.59	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
9233	436857.58	3763282.68	2.4E-05	8.17E-05	3.72E-06	1.33E-05	2.00E-06	6.19E-06
9234	436853.89	3763273.76	2.44E-05	8.33E-05	3.80E-06	1.36E-05	2.05E-06	6.31E-06
9235	436850.19	3763264.85	2.49E-05	8.50E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
9236	436846.49	3763255.94	2.54E-05	8.66E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
9237	436842.79	3763247.02	2.58E-05	8.80E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
9238	436839.1	3763238.11	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
9239	436835.4	3763229.19	2.66E-05	9.09E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
9240	436831.7	3763220.28	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.01E-06
9241	436828	3763211.37	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
9242	436824.31	3763202.45	2.8E-05	9.56E-05	4.36E-06	1.56E-05	2.35E-06	7.24E-06
9243	436820.61	3763193.54	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
9244	436816.91	3763184.63	2.9E-05	9.88E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
9245	436813.21	3763175.71	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.61E-06
9246	436809.52	3763166.8	2.98E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
9247	436805.82	3763157.89	3.02E-05	1.03E-04	4.70E-06	1.68E-05	2.53E-06	7.81E-06
9248	436802.12	3763148.97	3.06E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.90E-06
9249	436798.42	3763140.06	3.1E-05	1.06E-04	4.81E-06	1.72E-05	2.59E-06	8.00E-06
9250	436794.73	3763131.15	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.09E-06
9251	436791.03	3763122.23	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.65E-06	8.17E-06
9252	436787.33	3763113.32	3.19E-05	1.09E-04	4.96E-06	1.78E-05	2.67E-06	8.25E-06

9253	436783.63	3763104.41	3.22E-05	1.10E-04	5.01E-06	1.80E-05	2.70E-06	8.33E-06
9254	436779.94	3763095.49	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.41E-06
9255	436776.24	3763086.58	3.28E-05	1.12E-04	5.10E-06	1.83E-05	2.74E-06	8.47E-06
9256	436731.87	3762979.62	3.43E-05	1.17E-04	5.32E-06	1.91E-05	2.87E-06	8.85E-06
9257	436728.17	3762970.7	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
9258	436724.47	3762961.79	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.87E-06
9259	436720.78	3762952.88	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.89E-06
9260	436717.08	3762943.96	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.91E-06
9261	436713.38	3762935.05	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.92E-06
9262	436709.68	3762926.13	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.92E-06
9263	436705.99	3762917.22	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.88E-06	8.91E-06
9264	436702.29	3762908.31	3.44E-05	1.17E-04	5.34E-06	1.92E-05	2.88E-06	8.89E-06
9265	437365.21	3763543.74	1.62E-05	5.54E-05	2.52E-06	9.05E-06	1.36E-06	4.20E-06
9266	437374.86	3763543.72	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
9267	437384.51	3763543.7	1.65E-05	5.63E-05	2.57E-06	9.20E-06	1.38E-06	4.27E-06
9268	437394.16	3763543.68	1.67E-05	5.68E-05	2.59E-06	9.29E-06	1.40E-06	4.31E-06
9269	437403.81	3763543.66	1.68E-05	5.73E-05	2.61E-06	9.36E-06	1.41E-06	4.34E-06
9270	437413.46	3763543.64	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.38E-06
9271	437423.11	3763543.62	1.71E-05	5.82E-05	2.65E-06	9.50E-06	1.43E-06	4.41E-06
9272	437432.76	3763543.6	1.72E-05	5.86E-05	2.67E-06	9.57E-06	1.44E-06	4.44E-06
9273	437442.41	3763543.58	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
9274	437452.06	3763543.56	1.74E-05	5.92E-05	2.70E-06	9.67E-06	1.45E-06	4.49E-06
9275	437461.71	3763543.54	1.74E-05	5.95E-05	2.71E-06	9.72E-06	1.46E-06	4.51E-06
9276	437471.37	3763543.52	1.75E-05	5.97E-05	2.72E-06	9.75E-06	1.47E-06	4.52E-06
9277	437481.02	3763543.5	1.76E-05	5.99E-05	2.73E-06	9.79E-06	1.47E-06	4.54E-06
9278	437490.67	3763543.48	1.76E-05	6.01E-05	2.74E-06	9.82E-06	1.48E-06	4.56E-06
9279	437500.32	3763543.46	1.77E-05	6.04E-05	2.75E-06	9.86E-06	1.48E-06	4.58E-06
9280	437509.97	3763543.44	1.78E-05	6.06E-05	2.76E-06	9.91E-06	1.49E-06	4.60E-06
9281	437519.62	3763543.42	1.79E-05	6.09E-05	2.78E-06	9.95E-06	1.50E-06	4.62E-06
9282	437529.27	3763543.4	1.8E-05	6.14E-05	2.80E-06	1.00E-05	1.51E-06	4.65E-06
9283	437538.92	3763543.38	1.81E-05	6.18E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
9284	437548.57	3763543.36	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
9285	437356.5	3763580.11	1.48E-05	5.06E-05	2.30E-06	8.26E-06	1.24E-06	3.83E-06
9286	437347.7	3763576.48	1.49E-05	5.06E-05	2.31E-06	8.27E-06	1.24E-06	3.84E-06
9287	437338.91	3763572.86	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
9288	437330.11	3763569.23	1.49E-05	5.07E-05	2.31E-06	8.29E-06	1.25E-06	3.84E-06
9289	437321.32	3763565.6	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
9290	437312.53	3763561.98	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
9291	437303.73	3763558.35	1.5E-05	5.10E-05	2.33E-06	8.34E-06	1.25E-06	3.87E-06
9292	437294.94	3763554.72	1.5E-05	5.12E-05	2.33E-06	8.36E-06	1.26E-06	3.88E-06
9293	437286.14	3763551.1	1.51E-05	5.14E-05	2.34E-06	8.39E-06	1.26E-06	3.89E-06
9294	437277.35	3763547.47	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.26E-06	3.90E-06
9295	437268.55	3763543.84	1.51E-05	5.16E-05	2.35E-06	8.44E-06	1.27E-06	3.91E-06
9296	437259.76	3763540.22	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.93E-06
9297	437250.96	3763536.59	1.52E-05	5.19E-05	2.37E-06	8.48E-06	1.27E-06	3.93E-06
9298	437242.17	3763532.96	1.53E-05	5.20E-05	2.37E-06	8.50E-06	1.28E-06	3.94E-06
9299	437233.37	3763529.34	1.53E-05	5.21E-05	2.38E-06	8.52E-06	1.28E-06	3.95E-06
9300	437224.58	3763525.71	1.53E-05	5.22E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
9301	437215.79	3763522.08	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
9302	437206.99	3763518.46	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
9303	437198.2	3763514.83	1.55E-05	5.30E-05	2.42E-06	8.66E-06	1.30E-06	4.02E-06
9304	437189.4	3763511.2	1.56E-05	5.34E-05	2.43E-06	8.72E-06	1.31E-06	4.04E-06

9305	437145.43	3763493.07	1.62E-05	5.52E-05	2.52E-06	9.02E-06	1.36E-06	4.18E-06
9306	437136.64	3763489.44	1.63E-05	5.56E-05	2.53E-06	9.08E-06	1.36E-06	4.21E-06
9307	437127.84	3763485.81	1.64E-05	5.60E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
9308	437119.05	3763482.19	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
9309	437110.25	3763478.56	1.68E-05	5.74E-05	2.61E-06	9.37E-06	1.41E-06	4.35E-06
9310	437101.46	3763474.93	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.37E-06
9311	437092.66	3763471.31	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
9312	437083.87	3763467.68	1.71E-05	5.84E-05	2.66E-06	9.54E-06	1.43E-06	4.43E-06
9313	437075.07	3763464.05	1.72E-05	5.87E-05	2.68E-06	9.59E-06	1.44E-06	4.45E-06
9314	437066.28	3763460.43	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.44E-06
9315	437057.48	3763456.8	1.73E-05	5.88E-05	2.68E-06	9.61E-06	1.44E-06	4.46E-06
9316	437048.69	3763453.17	1.73E-05	5.92E-05	2.70E-06	9.66E-06	1.45E-06	4.48E-06
9317	437039.9	3763449.55	1.74E-05	5.95E-05	2.71E-06	9.72E-06	1.46E-06	4.51E-06
9318	437031.1	3763445.92	1.76E-05	6.00E-05	2.73E-06	9.80E-06	1.47E-06	4.55E-06
9319	437022.31	3763442.29	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.61E-06
9320	437013.51	3763438.67	1.8E-05	6.13E-05	2.79E-06	1.00E-05	1.50E-06	4.65E-06
9321	437004.72	3763435.04	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
9322	436995.92	3763431.41	1.82E-05	6.20E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
9323	436987.13	3763427.79	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06
9324	436978.33	3763424.16	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9325	436969.54	3763420.53	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
9326	436960.74	3763416.91	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
9327	436951.95	3763413.28	1.88E-05	6.41E-05	2.92E-06	1.05E-05	1.57E-06	4.86E-06
9328	436943.16	3763409.65	1.89E-05	6.44E-05	2.94E-06	1.05E-05	1.58E-06	4.88E-06
9329	436934.36	3763406.03	1.9E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.90E-06
9330	436925.57	3763402.4	1.9E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
9331	436916.77	3763398.77	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.94E-06
9332	436907.98	3763395.14	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
9333	436899.18	3763391.52	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
9334	436890.39	3763387.89	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
9335	436881.59	3763384.26	1.91E-05	6.53E-05	2.97E-06	1.07E-05	1.60E-06	4.95E-06
9336	436872.8	3763380.64	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
9337	436864.01	3763377.01	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
9338	436851.57	3763364.6	1.95E-05	6.65E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
9339	436847.92	3763355.81	1.99E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
9340	436844.28	3763347.02	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
9341	436840.63	3763338.24	2.06E-05	7.01E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
9342	436836.99	3763329.45	2.1E-05	7.14E-05	3.26E-06	1.17E-05	1.75E-06	5.41E-06
9343	436833.34	3763320.66	2.13E-05	7.28E-05	3.31E-06	1.19E-05	1.79E-06	5.51E-06
9344	436829.7	3763311.88	2.17E-05	7.40E-05	3.37E-06	1.21E-05	1.82E-06	5.61E-06
9345	436826.05	3763303.09	2.21E-05	7.53E-05	3.43E-06	1.23E-05	1.85E-06	5.71E-06
9346	436822.41	3763294.3	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9347	436818.76	3763285.51	2.29E-05	7.80E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
9348	436815.12	3763276.73	2.33E-05	7.94E-05	3.62E-06	1.30E-05	1.95E-06	6.01E-06
9349	436811.47	3763267.94	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.11E-06
9350	436807.83	3763259.15	2.4E-05	8.20E-05	3.74E-06	1.34E-05	2.01E-06	6.21E-06
9351	436804.18	3763250.37	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
9352	436800.54	3763241.58	2.48E-05	8.45E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
9353	436796.89	3763232.79	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
9354	436793.25	3763224.01	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
9355	436789.6	3763215.22	2.58E-05	8.81E-05	4.02E-06	1.44E-05	2.16E-06	6.68E-06
9356	436785.96	3763206.43	2.62E-05	8.94E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06

9357	436782.31	3763197.64	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
9358	436742.22	3763100.99	2.98E-05	1.01E-04	4.62E-06	1.66E-05	2.49E-06	7.69E-06
9359	436738.57	3763092.2	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
9360	436734.93	3763083.41	3.01E-05	1.03E-04	4.68E-06	1.68E-05	2.52E-06	7.78E-06
9361	436731.28	3763074.63	3.03E-05	1.03E-04	4.70E-06	1.69E-05	2.53E-06	7.82E-06
9362	436727.64	3763065.84	3.05E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.87E-06
9363	436723.99	3763057.05	3.06E-05	1.04E-04	4.76E-06	1.71E-05	2.56E-06	7.92E-06
9364	436720.35	3763048.27	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.96E-06
9365	436716.7	3763039.48	3.1E-05	1.06E-04	4.81E-06	1.73E-05	2.59E-06	8.00E-06
9366	436713.06	3763030.69	3.11E-05	1.06E-04	4.83E-06	1.73E-05	2.60E-06	8.04E-06
9367	436709.41	3763021.91	3.12E-05	1.06E-04	4.85E-06	1.74E-05	2.61E-06	8.06E-06
9368	436705.77	3763013.12	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
9369	436702.12	3763004.33	3.13E-05	1.07E-04	4.87E-06	1.75E-05	2.62E-06	8.10E-06
9370	436698.48	3762995.54	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
9371	436694.83	3762986.76	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
9372	436691.19	3762977.97	3.14E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
9373	436687.54	3762969.18	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
9374	436683.9	3762960.4	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
9375	436680.25	3762951.61	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
9376	436676.61	3762942.82	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
9377	436672.96	3762934.04	3.14E-05	1.07E-04	4.87E-06	1.75E-05	2.62E-06	8.10E-06
9378	436669.32	3762925.25	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.09E-06
9379	436665.67	3762916.46	3.12E-05	1.07E-04	4.85E-06	1.74E-05	2.62E-06	8.07E-06
9380	437365.29	3763583.74	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
9381	437374.94	3763583.72	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
9382	437384.59	3763583.7	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
9383	437394.24	3763583.68	1.51E-05	5.16E-05	2.35E-06	8.44E-06	1.27E-06	3.91E-06
9384	437403.89	3763583.66	1.53E-05	5.20E-05	2.37E-06	8.50E-06	1.28E-06	3.94E-06
9385	437413.54	3763583.64	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
9386	437423.2	3763583.62	1.55E-05	5.28E-05	2.41E-06	8.63E-06	1.30E-06	4.00E-06
9387	437432.85	3763583.6	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
9388	437442.5	3763583.58	1.57E-05	5.35E-05	2.44E-06	8.74E-06	1.31E-06	4.05E-06
9389	437452.15	3763583.56	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
9390	437461.8	3763583.54	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
9391	437471.45	3763583.52	1.59E-05	5.44E-05	2.48E-06	8.88E-06	1.33E-06	4.12E-06
9392	437481.1	3763583.5	1.6E-05	5.46E-05	2.49E-06	8.92E-06	1.34E-06	4.14E-06
9393	437490.75	3763583.48	1.61E-05	5.48E-05	2.50E-06	8.96E-06	1.35E-06	4.15E-06
9394	437500.4	3763583.46	1.61E-05	5.50E-05	2.51E-06	8.98E-06	1.35E-06	4.17E-06
9395	437510.05	3763583.44	1.62E-05	5.52E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
9396	437519.7	3763583.42	1.62E-05	5.53E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
9397	437529.35	3763583.4	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
9398	437539	3763583.38	1.64E-05	5.60E-05	2.55E-06	9.15E-06	1.38E-06	4.25E-06
9399	437548.65	3763583.36	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
9400	437356.55	3763620.1	1.36E-05	4.65E-05	2.12E-06	7.60E-06	1.14E-06	3.53E-06
9401	437347.72	3763616.46	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
9402	437338.9	3763612.82	1.37E-05	4.67E-05	2.13E-06	7.62E-06	1.15E-06	3.54E-06
9403	437330.07	3763609.18	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
9404	437321.24	3763605.54	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.54E-06
9405	437312.42	3763601.9	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.55E-06
9406	437303.59	3763598.26	1.37E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
9407	437294.76	3763594.62	1.38E-05	4.70E-05	2.14E-06	7.67E-06	1.15E-06	3.56E-06
9408	437285.94	3763590.98	1.38E-05	4.71E-05	2.15E-06	7.69E-06	1.16E-06	3.57E-06

9409	437277.11	3763587.34	1.38E-05	4.72E-05	2.15E-06	7.71E-06	1.16E-06	3.58E-06
9410	437268.28	3763583.7	1.39E-05	4.74E-05	2.16E-06	7.74E-06	1.16E-06	3.59E-06
9411	437259.46	3763580.06	1.39E-05	4.75E-05	2.16E-06	7.76E-06	1.17E-06	3.60E-06
9412	437250.63	3763576.42	1.4E-05	4.76E-05	2.17E-06	7.78E-06	1.17E-06	3.61E-06
9413	437241.8	3763572.78	1.4E-05	4.77E-05	2.17E-06	7.79E-06	1.17E-06	3.61E-06
9414	437232.98	3763569.14	1.4E-05	4.77E-05	2.17E-06	7.80E-06	1.17E-06	3.62E-06
9415	437224.15	3763565.5	1.4E-05	4.78E-05	2.18E-06	7.80E-06	1.17E-06	3.62E-06
9416	437215.32	3763561.86	1.4E-05	4.79E-05	2.18E-06	7.82E-06	1.18E-06	3.63E-06
9417	437206.5	3763558.22	1.41E-05	4.80E-05	2.19E-06	7.84E-06	1.18E-06	3.64E-06
9418	437197.67	3763554.58	1.41E-05	4.81E-05	2.19E-06	7.86E-06	1.18E-06	3.65E-06
9419	437188.84	3763550.94	1.42E-05	4.83E-05	2.20E-06	7.90E-06	1.19E-06	3.66E-06
9420	437144.71	3763532.74	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.21E-06	3.75E-06
9421	437135.88	3763529.1	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
9422	437127.06	3763525.46	1.47E-05	5.01E-05	2.28E-06	8.19E-06	1.23E-06	3.80E-06
9423	437118.23	3763521.82	1.48E-05	5.05E-05	2.30E-06	8.26E-06	1.24E-06	3.83E-06
9424	437109.41	3763518.18	1.5E-05	5.10E-05	2.32E-06	8.33E-06	1.25E-06	3.86E-06
9425	437100.58	3763514.54	1.51E-05	5.15E-05	2.35E-06	8.41E-06	1.26E-06	3.90E-06
9426	437091.75	3763510.9	1.52E-05	5.19E-05	2.37E-06	8.48E-06	1.27E-06	3.93E-06
9427	437082.93	3763507.26	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
9428	437074.1	3763503.62	1.56E-05	5.32E-05	2.43E-06	8.69E-06	1.31E-06	4.03E-06
9429	437065.27	3763499.98	1.57E-05	5.35E-05	2.44E-06	8.75E-06	1.31E-06	4.06E-06
9430	437056.45	3763496.34	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
9431	437047.62	3763492.7	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
9432	437038.79	3763489.06	1.58E-05	5.40E-05	2.46E-06	8.82E-06	1.32E-06	4.09E-06
9433	437029.97	3763485.42	1.59E-05	5.43E-05	2.48E-06	8.87E-06	1.33E-06	4.12E-06
9434	437021.14	3763481.78	1.61E-05	5.50E-05	2.51E-06	8.98E-06	1.35E-06	4.17E-06
9435	437012.31	3763478.14	1.62E-05	5.53E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
9436	437003.49	3763474.5	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
9437	436994.66	3763470.86	1.64E-05	5.60E-05	2.55E-06	9.15E-06	1.37E-06	4.24E-06
9438	436985.83	3763467.22	1.65E-05	5.63E-05	2.57E-06	9.20E-06	1.38E-06	4.27E-06
9439	436977.01	3763463.58	1.66E-05	5.66E-05	2.58E-06	9.25E-06	1.39E-06	4.29E-06
9440	436968.18	3763459.94	1.67E-05	5.69E-05	2.59E-06	9.30E-06	1.40E-06	4.31E-06
9441	436959.35	3763456.3	1.68E-05	5.72E-05	2.61E-06	9.35E-06	1.40E-06	4.34E-06
9442	436950.53	3763452.66	1.69E-05	5.75E-05	2.62E-06	9.40E-06	1.41E-06	4.36E-06
9443	436941.7	3763449.02	1.69E-05	5.78E-05	2.63E-06	9.44E-06	1.42E-06	4.38E-06
9444	436932.87	3763445.38	1.7E-05	5.80E-05	2.64E-06	9.48E-06	1.42E-06	4.40E-06
9445	436924.05	3763441.74	1.71E-05	5.83E-05	2.66E-06	9.52E-06	1.43E-06	4.42E-06
9446	436915.22	3763438.1	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.44E-06
9447	436906.39	3763434.46	1.72E-05	5.88E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
9448	436897.57	3763430.82	1.73E-05	5.90E-05	2.69E-06	9.63E-06	1.45E-06	4.47E-06
9449	436888.74	3763427.18	1.73E-05	5.92E-05	2.70E-06	9.66E-06	1.45E-06	4.48E-06
9450	436879.92	3763423.54	1.74E-05	5.93E-05	2.70E-06	9.68E-06	1.45E-06	4.49E-06
9451	436871.09	3763419.9	1.74E-05	5.93E-05	2.70E-06	9.69E-06	1.46E-06	4.49E-06
9452	436862.26	3763416.26	1.74E-05	5.93E-05	2.70E-06	9.69E-06	1.46E-06	4.50E-06
9453	436853.44	3763412.62	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
9454	436844.61	3763408.98	1.75E-05	5.95E-05	2.71E-06	9.72E-06	1.46E-06	4.51E-06
9455	436835.78	3763405.34	1.75E-05	5.97E-05	2.72E-06	9.75E-06	1.46E-06	4.52E-06
9456	436823.3	3763392.88	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.61E-06
9457	436819.64	3763384.06	1.81E-05	6.18E-05	2.82E-06	1.01E-05	1.52E-06	4.68E-06
9458	436815.98	3763375.24	1.84E-05	6.29E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9459	436812.32	3763366.42	1.88E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.85E-06
9460	436808.66	3763357.6	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06

9461	436805.01	3763348.78	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
9462	436801.35	3763339.96	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06
9463	436797.69	3763331.15	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
9464	436794.03	3763322.33	2.05E-05	6.99E-05	3.18E-06	1.14E-05	1.72E-06	5.29E-06
9465	436790.37	3763313.51	2.08E-05	7.10E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
9466	436786.71	3763304.69	2.12E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
9467	436783.06	3763295.87	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
9468	436742.82	3763198.86	2.49E-05	8.49E-05	3.87E-06	1.39E-05	2.08E-06	6.44E-06
9469	436739.16	3763190.04	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
9470	436735.5	3763181.22	2.56E-05	8.72E-05	3.97E-06	1.42E-05	2.14E-06	6.61E-06
9471	436731.84	3763172.4	2.58E-05	8.81E-05	4.01E-06	1.44E-05	2.16E-06	6.68E-06
9472	436728.18	3763163.59	2.61E-05	8.90E-05	4.05E-06	1.45E-05	2.18E-06	6.74E-06
9473	436724.52	3763154.77	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.81E-06
9474	436720.87	3763145.95	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.87E-06
9475	436717.21	3763137.13	2.68E-05	9.14E-05	4.16E-06	1.49E-05	2.24E-06	6.92E-06
9476	436713.55	3763128.31	2.7E-05	9.21E-05	4.20E-06	1.50E-05	2.26E-06	6.98E-06
9477	436709.89	3763119.49	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
9478	436706.23	3763110.67	2.74E-05	9.34E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
9479	436702.57	3763101.85	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
9480	436698.92	3763093.03	2.77E-05	9.46E-05	4.31E-06	1.54E-05	2.32E-06	7.17E-06
9481	436695.26	3763084.21	2.79E-05	9.51E-05	4.33E-06	1.55E-05	2.33E-06	7.21E-06
9482	436691.6	3763075.4	2.8E-05	9.56E-05	4.35E-06	1.56E-05	2.35E-06	7.24E-06
9483	436687.94	3763066.58	2.81E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
9484	436684.28	3763057.76	2.83E-05	9.64E-05	4.39E-06	1.57E-05	2.37E-06	7.30E-06
9485	436680.62	3763048.94	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
9486	436676.97	3763040.12	2.85E-05	9.70E-05	4.42E-06	1.59E-05	2.38E-06	7.35E-06
9487	436673.31	3763031.3	2.85E-05	9.73E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
9488	436669.65	3763022.48	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06
9489	436665.99	3763013.66	2.86E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.40E-06
9490	436662.33	3763004.84	2.87E-05	9.78E-05	4.46E-06	1.60E-05	2.40E-06	7.41E-06
9491	436658.67	3762996.02	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
9492	436655.02	3762987.21	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
9493	436651.36	3762978.39	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
9494	436647.7	3762969.57	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
9495	436644.04	3762960.75	2.87E-05	9.78E-05	4.46E-06	1.60E-05	2.40E-06	7.41E-06
9496	436640.38	3762951.93	2.87E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.41E-06
9497	436636.72	3762943.11	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.40E-06	7.40E-06
9498	436633.07	3762934.29	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06
9499	436629.41	3762925.47	2.85E-05	9.73E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
9500	436625.75	3762916.65	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
9501	437365.38	3763623.74	1.36E-05	4.64E-05	2.12E-06	7.59E-06	1.14E-06	3.52E-06
9502	437375.03	3763623.72	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
9503	437384.68	3763623.7	1.38E-05	4.70E-05	2.14E-06	7.67E-06	1.15E-06	3.56E-06
9504	437394.33	3763623.68	1.38E-05	4.72E-05	2.15E-06	7.71E-06	1.16E-06	3.58E-06
9505	437403.98	3763623.66	1.39E-05	4.75E-05	2.16E-06	7.76E-06	1.17E-06	3.60E-06
9506	437413.63	3763623.64	1.4E-05	4.78E-05	2.18E-06	7.81E-06	1.17E-06	3.62E-06
9507	437423.28	3763623.62	1.41E-05	4.81E-05	2.19E-06	7.86E-06	1.18E-06	3.65E-06
9508	437432.93	3763623.6	1.42E-05	4.84E-05	2.21E-06	7.91E-06	1.19E-06	3.67E-06
9509	437442.58	3763623.58	1.43E-05	4.87E-05	2.22E-06	7.96E-06	1.20E-06	3.69E-06
9510	437452.23	3763623.56	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.20E-06	3.72E-06
9511	437461.88	3763623.54	1.45E-05	4.94E-05	2.25E-06	8.07E-06	1.21E-06	3.74E-06
9512	437471.53	3763623.52	1.46E-05	4.97E-05	2.26E-06	8.12E-06	1.22E-06	3.77E-06

9513	437481.18	3763623.5	1.47E-05	5.00E-05	2.28E-06	8.17E-06	1.23E-06	3.79E-06
9514	437490.83	3763623.48	1.47E-05	5.03E-05	2.29E-06	8.21E-06	1.23E-06	3.81E-06
9515	437500.48	3763623.46	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
9516	437510.13	3763623.44	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
9517	437519.78	3763623.42	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
9518	437529.43	3763623.4	1.5E-05	5.12E-05	2.33E-06	8.37E-06	1.26E-06	3.88E-06
9519	437539.08	3763623.38	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.27E-06	3.91E-06
9520	437548.74	3763623.36	1.52E-05	5.18E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
9521	437356.6	3763660.09	1.26E-05	4.30E-05	1.96E-06	7.02E-06	1.05E-06	3.26E-06
9522	437347.75	3763656.43	1.26E-05	4.31E-05	1.96E-06	7.04E-06	1.06E-06	3.26E-06
9523	437338.89	3763652.78	1.27E-05	4.32E-05	1.97E-06	7.06E-06	1.06E-06	3.27E-06
9524	437330.04	3763649.13	1.27E-05	4.33E-05	1.97E-06	7.07E-06	1.06E-06	3.28E-06
9525	437321.18	3763645.48	1.27E-05	4.33E-05	1.97E-06	7.07E-06	1.06E-06	3.28E-06
9526	437312.32	3763641.83	1.27E-05	4.33E-05	1.98E-06	7.08E-06	1.06E-06	3.28E-06
9527	437303.47	3763638.17	1.27E-05	4.34E-05	1.98E-06	7.09E-06	1.07E-06	3.29E-06
9528	437294.61	3763634.52	1.28E-05	4.35E-05	1.98E-06	7.11E-06	1.07E-06	3.30E-06
9529	437285.76	3763630.87	1.28E-05	4.36E-05	1.99E-06	7.12E-06	1.07E-06	3.30E-06
9530	437276.9	3763627.22	1.28E-05	4.37E-05	1.99E-06	7.14E-06	1.07E-06	3.31E-06
9531	437268.05	3763623.57	1.29E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
9532	437259.19	3763619.91	1.29E-05	4.40E-05	2.00E-06	7.19E-06	1.08E-06	3.33E-06
9533	437250.34	3763616.26	1.29E-05	4.41E-05	2.01E-06	7.21E-06	1.08E-06	3.35E-06
9534	437241.48	3763612.61	1.3E-05	4.42E-05	2.01E-06	7.22E-06	1.08E-06	3.35E-06
9535	437232.62	3763608.96	1.3E-05	4.42E-05	2.01E-06	7.22E-06	1.09E-06	3.35E-06
9536	437223.77	3763605.31	1.3E-05	4.42E-05	2.02E-06	7.23E-06	1.09E-06	3.35E-06
9537	437214.91	3763601.65	1.3E-05	4.43E-05	2.02E-06	7.23E-06	1.09E-06	3.36E-06
9538	437206.06	3763598	1.3E-05	4.44E-05	2.02E-06	7.25E-06	1.09E-06	3.36E-06
9539	437197.2	3763594.35	1.3E-05	4.44E-05	2.03E-06	7.26E-06	1.09E-06	3.37E-06
9540	437188.35	3763590.7	1.31E-05	4.46E-05	2.03E-06	7.28E-06	1.09E-06	3.38E-06
9541	437144.07	3763572.44	1.34E-05	4.55E-05	2.07E-06	7.44E-06	1.12E-06	3.45E-06
9542	437135.21	3763568.79	1.34E-05	4.57E-05	2.08E-06	7.47E-06	1.12E-06	3.46E-06
9543	437126.36	3763565.13	1.35E-05	4.59E-05	2.09E-06	7.49E-06	1.13E-06	3.48E-06
9544	437117.5	3763561.48	1.35E-05	4.61E-05	2.10E-06	7.52E-06	1.13E-06	3.49E-06
9545	437108.65	3763557.83	1.36E-05	4.63E-05	2.11E-06	7.57E-06	1.14E-06	3.51E-06
9546	437099.79	3763554.18	1.37E-05	4.67E-05	2.13E-06	7.62E-06	1.15E-06	3.54E-06
9547	437090.94	3763550.53	1.38E-05	4.71E-05	2.15E-06	7.69E-06	1.16E-06	3.57E-06
9548	437082.08	3763546.87	1.39E-05	4.75E-05	2.17E-06	7.77E-06	1.17E-06	3.60E-06
9549	437073.22	3763543.22	1.42E-05	4.85E-05	2.21E-06	7.92E-06	1.19E-06	3.67E-06
9550	437064.37	3763539.57	1.43E-05	4.88E-05	2.22E-06	7.98E-06	1.20E-06	3.70E-06
9551	437055.51	3763535.92	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.21E-06	3.72E-06
9552	437046.66	3763532.27	1.45E-05	4.95E-05	2.25E-06	8.08E-06	1.21E-06	3.75E-06
9553	437037.8	3763528.61	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
9554	437028.95	3763524.96	1.47E-05	5.01E-05	2.28E-06	8.18E-06	1.23E-06	3.79E-06
9555	437020.09	3763521.31	1.48E-05	5.04E-05	2.29E-06	8.23E-06	1.24E-06	3.82E-06
9556	437011.23	3763517.66	1.48E-05	5.06E-05	2.31E-06	8.27E-06	1.24E-06	3.84E-06
9557	437002.38	3763514.01	1.49E-05	5.09E-05	2.32E-06	8.31E-06	1.25E-06	3.85E-06
9558	436993.52	3763510.35	1.5E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
9559	436984.67	3763506.7	1.51E-05	5.14E-05	2.34E-06	8.39E-06	1.26E-06	3.89E-06
9560	436975.81	3763503.05	1.51E-05	5.16E-05	2.35E-06	8.43E-06	1.27E-06	3.91E-06
9561	436966.96	3763499.4	1.52E-05	5.19E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
9562	436958.1	3763495.75	1.53E-05	5.21E-05	2.37E-06	8.51E-06	1.28E-06	3.95E-06
9563	436949.25	3763492.1	1.53E-05	5.23E-05	2.38E-06	8.55E-06	1.28E-06	3.96E-06
9564	436940.39	3763488.44	1.54E-05	5.25E-05	2.39E-06	8.58E-06	1.29E-06	3.98E-06

9565	436931.53	3763484.79	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
9566	436922.68	3763481.14	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
9567	436913.82	3763477.49	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.03E-06
9568	436904.97	3763473.84	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
9569	436896.11	3763470.18	1.57E-05	5.35E-05	2.44E-06	8.75E-06	1.31E-06	4.06E-06
9570	436887.26	3763466.53	1.58E-05	5.37E-05	2.45E-06	8.78E-06	1.32E-06	4.07E-06
9571	436878.4	3763462.88	1.58E-05	5.40E-05	2.46E-06	8.81E-06	1.32E-06	4.09E-06
9572	436869.55	3763459.23	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
9573	436860.69	3763455.58	1.59E-05	5.43E-05	2.47E-06	8.87E-06	1.33E-06	4.11E-06
9574	436851.83	3763451.92	1.6E-05	5.45E-05	2.48E-06	8.91E-06	1.34E-06	4.13E-06
9575	436842.98	3763448.27	1.6E-05	5.47E-05	2.49E-06	8.93E-06	1.34E-06	4.14E-06
9576	436834.12	3763444.62	1.61E-05	5.48E-05	2.50E-06	8.96E-06	1.35E-06	4.15E-06
9577	436825.27	3763440.97	1.61E-05	5.50E-05	2.51E-06	8.98E-06	1.35E-06	4.17E-06
9578	436816.41	3763437.32	1.62E-05	5.51E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
9579	436807.56	3763433.66	1.62E-05	5.53E-05	2.52E-06	9.03E-06	1.36E-06	4.19E-06
9580	436795.03	3763421.16	1.65E-05	5.63E-05	2.56E-06	9.19E-06	1.38E-06	4.26E-06
9581	436791.36	3763412.32	1.67E-05	5.71E-05	2.60E-06	9.33E-06	1.40E-06	4.33E-06
9582	436787.69	3763403.47	1.7E-05	5.80E-05	2.64E-06	9.47E-06	1.42E-06	4.39E-06
9583	436784.02	3763394.62	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
9584	436780.35	3763385.77	1.75E-05	5.98E-05	2.73E-06	9.78E-06	1.47E-06	4.53E-06
9585	436739.98	3763288.44	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
9586	436736.31	3763279.6	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
9587	436732.64	3763270.75	2.13E-05	7.25E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
9588	436728.96	3763261.9	2.15E-05	7.34E-05	3.34E-06	1.20E-05	1.80E-06	5.56E-06
9589	436725.29	3763253.05	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
9590	436721.62	3763244.2	2.2E-05	7.51E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
9591	436717.95	3763235.36	2.22E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.75E-06
9592	436714.28	3763226.51	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9593	436710.61	3763217.66	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
9594	436706.94	3763208.81	2.31E-05	7.87E-05	3.58E-06	1.29E-05	1.93E-06	5.96E-06
9595	436703.27	3763199.96	2.34E-05	7.97E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06
9596	436699.6	3763191.12	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
9597	436695.93	3763182.27	2.39E-05	8.15E-05	3.71E-06	1.33E-05	2.00E-06	6.18E-06
9598	436692.26	3763173.42	2.42E-05	8.24E-05	3.75E-06	1.35E-05	2.02E-06	6.24E-06
9599	436688.59	3763164.57	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
9600	436684.92	3763155.72	2.46E-05	8.37E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
9601	436681.25	3763146.88	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
9602	436677.58	3763138.03	2.49E-05	8.50E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
9603	436673.91	3763129.18	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
9604	436670.24	3763120.33	2.53E-05	8.61E-05	3.92E-06	1.41E-05	2.11E-06	6.53E-06
9605	436666.57	3763111.48	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
9606	436662.9	3763102.64	2.55E-05	8.71E-05	3.97E-06	1.42E-05	2.14E-06	6.60E-06
9607	436659.23	3763093.79	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
9608	436655.56	3763084.94	2.58E-05	8.79E-05	4.01E-06	1.44E-05	2.16E-06	6.66E-06
9609	436651.89	3763076.09	2.59E-05	8.83E-05	4.02E-06	1.44E-05	2.17E-06	6.69E-06
9610	436648.22	3763067.24	2.6E-05	8.86E-05	4.04E-06	1.45E-05	2.18E-06	6.72E-06
9611	436644.55	3763058.4	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.74E-06
9612	436640.88	3763049.55	2.61E-05	8.92E-05	4.06E-06	1.46E-05	2.19E-06	6.76E-06
9613	436637.21	3763040.7	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
9614	436633.54	3763031.85	2.63E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
9615	436629.87	3763023	2.63E-05	8.97E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06
9616	436626.2	3763014.16	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06

9617	436622.53	3763005.31	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.81E-06
9618	436618.85	3762996.46	2.64E-05	8.99E-05	4.09E-06	1.47E-05	2.21E-06	6.81E-06
9619	436615.18	3762987.61	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.21E-06	6.81E-06
9620	436611.51	3762978.76	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.81E-06
9621	436607.84	3762969.92	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06
9622	436604.17	3762961.07	2.63E-05	8.96E-05	4.08E-06	1.46E-05	2.20E-06	6.79E-06
9623	436600.5	3762952.22	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
9624	436596.83	3762943.37	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
9625	436593.16	3762934.52	2.62E-05	8.92E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
9626	436589.49	3762925.68	2.61E-05	8.91E-05	4.06E-06	1.46E-05	2.19E-06	6.75E-06
9627	436585.82	3762916.83	2.61E-05	8.90E-05	4.05E-06	1.45E-05	2.18E-06	6.74E-06
9628	437365.46	3763663.74	1.26E-05	4.28E-05	1.95E-06	7.00E-06	1.05E-06	3.25E-06
9629	437375.11	3763663.72	1.26E-05	4.30E-05	1.96E-06	7.03E-06	1.06E-06	3.26E-06
9630	437384.76	3763663.7	1.27E-05	4.32E-05	1.97E-06	7.06E-06	1.06E-06	3.28E-06
9631	437394.41	3763663.68	1.27E-05	4.34E-05	1.98E-06	7.09E-06	1.07E-06	3.29E-06
9632	437404.06	3763663.66	1.28E-05	4.36E-05	1.99E-06	7.13E-06	1.07E-06	3.31E-06
9633	437413.71	3763663.64	1.29E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
9634	437423.36	3763663.62	1.29E-05	4.41E-05	2.01E-06	7.20E-06	1.08E-06	3.34E-06
9635	437433.01	3763663.6	1.3E-05	4.43E-05	2.02E-06	7.24E-06	1.09E-06	3.36E-06
9636	437442.66	3763663.58	1.31E-05	4.46E-05	2.03E-06	7.29E-06	1.09E-06	3.38E-06
9637	437452.31	3763663.56	1.32E-05	4.49E-05	2.04E-06	7.33E-06	1.10E-06	3.40E-06
9638	437461.96	3763663.54	1.32E-05	4.51E-05	2.06E-06	7.37E-06	1.11E-06	3.42E-06
9639	437471.61	3763663.52	1.33E-05	4.54E-05	2.07E-06	7.42E-06	1.11E-06	3.44E-06
9640	437481.26	3763663.5	1.34E-05	4.57E-05	2.08E-06	7.46E-06	1.12E-06	3.46E-06
9641	437490.91	3763663.48	1.35E-05	4.60E-05	2.10E-06	7.51E-06	1.13E-06	3.48E-06
9642	437500.57	3763663.46	1.35E-05	4.62E-05	2.10E-06	7.55E-06	1.13E-06	3.50E-06
9643	437510.22	3763663.44	1.36E-05	4.64E-05	2.11E-06	7.58E-06	1.14E-06	3.52E-06
9644	437519.87	3763663.42	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
9645	437529.52	3763663.4	1.37E-05	4.68E-05	2.13E-06	7.65E-06	1.15E-06	3.55E-06
9646	437539.17	3763663.38	1.38E-05	4.70E-05	2.14E-06	7.68E-06	1.15E-06	3.56E-06
9647	437548.82	3763663.36	1.39E-05	4.73E-05	2.15E-06	7.72E-06	1.16E-06	3.58E-06
9648	437356.66	3763700.08	1.17E-05	3.98E-05	1.81E-06	6.50E-06	9.77E-07	3.02E-06
9649	437347.78	3763696.41	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.80E-07	3.02E-06
9650	437338.89	3763692.75	1.17E-05	4.00E-05	1.82E-06	6.54E-06	9.82E-07	3.03E-06
9651	437285.6	3763670.77	1.19E-05	4.04E-05	1.84E-06	6.60E-06	9.92E-07	3.06E-06
9652	437276.72	3763667.11	1.19E-05	4.05E-05	1.85E-06	6.62E-06	9.95E-07	3.07E-06
9653	437267.84	3763663.45	1.19E-05	4.06E-05	1.85E-06	6.64E-06	9.97E-07	3.08E-06
9654	437258.96	3763659.78	1.19E-05	4.07E-05	1.86E-06	6.66E-06	1.00E-06	3.09E-06
9655	437250.07	3763656.12	1.2E-05	4.09E-05	1.86E-06	6.68E-06	1.00E-06	3.10E-06
9656	437241.19	3763652.46	1.2E-05	4.09E-05	1.87E-06	6.69E-06	1.00E-06	3.10E-06
9657	437232.31	3763648.79	1.2E-05	4.10E-05	1.87E-06	6.70E-06	1.01E-06	3.11E-06
9658	437223.43	3763645.13	1.2E-05	4.10E-05	1.87E-06	6.70E-06	1.01E-06	3.11E-06
9659	437214.55	3763641.47	1.2E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
9660	437205.66	3763637.81	1.21E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
9661	437196.78	3763634.14	1.21E-05	4.11E-05	1.87E-06	6.72E-06	1.01E-06	3.12E-06
9662	437187.9	3763630.48	1.21E-05	4.12E-05	1.88E-06	6.73E-06	1.01E-06	3.12E-06
9663	437116.84	3763601.18	1.26E-05	4.29E-05	1.96E-06	7.01E-06	1.05E-06	3.25E-06
9664	437107.96	3763597.51	1.26E-05	4.30E-05	1.96E-06	7.03E-06	1.06E-06	3.26E-06
9665	437099.08	3763593.85	1.27E-05	4.32E-05	1.97E-06	7.05E-06	1.06E-06	3.27E-06
9666	437090.2	3763590.19	1.27E-05	4.34E-05	1.98E-06	7.09E-06	1.07E-06	3.29E-06
9667	437081.32	3763586.53	1.28E-05	4.37E-05	1.99E-06	7.14E-06	1.07E-06	3.31E-06
9668	437072.43	3763582.86	1.3E-05	4.45E-05	2.03E-06	7.27E-06	1.09E-06	3.37E-06

9669	437063.55	3763579.2	1.31E-05	4.47E-05	2.04E-06	7.31E-06	1.10E-06	3.39E-06
9670	437054.67	3763575.54	1.32E-05	4.50E-05	2.05E-06	7.35E-06	1.10E-06	3.41E-06
9671	437045.79	3763571.87	1.33E-05	4.52E-05	2.06E-06	7.38E-06	1.11E-06	3.42E-06
9672	437036.91	3763568.21	1.33E-05	4.54E-05	2.07E-06	7.42E-06	1.12E-06	3.44E-06
9673	437028.02	3763564.55	1.34E-05	4.57E-05	2.08E-06	7.47E-06	1.12E-06	3.46E-06
9674	437019.14	3763560.89	1.35E-05	4.60E-05	2.10E-06	7.52E-06	1.13E-06	3.49E-06
9675	437010.26	3763557.22	1.36E-05	4.63E-05	2.11E-06	7.57E-06	1.14E-06	3.51E-06
9676	437001.38	3763553.56	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
9677	436992.5	3763549.9	1.37E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
9678	436983.61	3763546.23	1.38E-05	4.71E-05	2.15E-06	7.69E-06	1.16E-06	3.57E-06
9679	436974.73	3763542.57	1.39E-05	4.73E-05	2.16E-06	7.73E-06	1.16E-06	3.59E-06
9680	436965.85	3763538.91	1.39E-05	4.76E-05	2.17E-06	7.77E-06	1.17E-06	3.60E-06
9681	436956.97	3763535.25	0.000014	4.77E-05	2.18E-06	7.80E-06	1.17E-06	3.62E-06
9682	436948.09	3763531.58	1.41E-05	4.79E-05	2.18E-06	7.83E-06	1.18E-06	3.63E-06
9683	436939.2	3763527.92	1.41E-05	4.81E-05	2.19E-06	7.85E-06	1.18E-06	3.64E-06
9684	436930.32	3763524.26	1.41E-05	4.82E-05	2.20E-06	7.88E-06	1.18E-06	3.66E-06
9685	436921.44	3763520.59	1.42E-05	4.84E-05	2.21E-06	7.91E-06	1.19E-06	3.67E-06
9686	436912.56	3763516.93	1.42E-05	4.86E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
9687	436903.68	3763513.27	1.43E-05	4.87E-05	2.22E-06	7.96E-06	1.20E-06	3.69E-06
9688	436894.79	3763509.61	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.70E-06
9689	436885.91	3763505.94	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.21E-06	3.72E-06
9690	436877.03	3763502.28	1.45E-05	4.93E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
9691	436868.15	3763498.62	1.45E-05	4.96E-05	2.26E-06	8.10E-06	1.22E-06	3.76E-06
9692	436859.27	3763494.95	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
9693	436850.38	3763491.29	1.46E-05	4.99E-05	2.28E-06	8.16E-06	1.23E-06	3.78E-06
9694	436841.5	3763487.63	1.47E-05	5.01E-05	2.28E-06	8.19E-06	1.23E-06	3.80E-06
9695	436832.62	3763483.97	1.48E-05	5.03E-05	2.29E-06	8.22E-06	1.23E-06	3.81E-06
9696	436823.74	3763480.3	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
9697	436814.86	3763476.64	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
9698	436805.97	3763472.98	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
9699	436797.09	3763469.31	1.5E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
9700	436788.21	3763465.65	1.5E-05	5.12E-05	2.33E-06	8.36E-06	1.26E-06	3.88E-06
9701	436779.33	3763461.99	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
9702	436744.68	3763396.2	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
9703	436741	3763387.33	1.7E-05	5.78E-05	2.63E-06	9.45E-06	1.42E-06	4.38E-06
9704	436737.31	3763378.46	1.72E-05	5.87E-05	2.67E-06	9.59E-06	1.44E-06	4.45E-06
9705	436733.63	3763369.58	1.75E-05	5.95E-05	2.71E-06	9.73E-06	1.46E-06	4.51E-06
9706	436729.95	3763360.71	1.77E-05	6.04E-05	2.75E-06	9.87E-06	1.48E-06	4.58E-06
9707	436726.27	3763351.83	1.8E-05	6.13E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
9708	436722.59	3763342.96	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.71E-06
9709	436718.91	3763334.08	1.85E-05	6.30E-05	2.87E-06	1.03E-05	1.55E-06	4.77E-06
9710	436715.23	3763325.21	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
9711	436711.55	3763316.33	1.9E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.90E-06
9712	436707.86	3763307.46	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
9713	436704.18	3763298.59	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
9714	436700.5	3763289.71	1.97E-05	6.73E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06
9715	436696.82	3763280.84	1.99E-05	6.80E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
9716	436693.14	3763271.96	2.01E-05	6.87E-05	3.13E-06	1.12E-05	1.69E-06	5.21E-06
9717	436689.46	3763263.09	2.04E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
9718	436685.78	3763254.21	2.06E-05	7.01E-05	3.20E-06	1.15E-05	1.72E-06	5.31E-06
9719	436682.1	3763245.34	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
9720	436678.41	3763236.46	2.1E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06

9721	436674.73	3763227.59	2.12E-05	7.23E-05	3.30E-06	1.18E-05	1.78E-06	5.48E-06
9722	436671.05	3763218.72	2.15E-05	7.32E-05	3.33E-06	1.20E-05	1.80E-06	5.55E-06
9723	436667.37	3763209.84	2.17E-05	7.40E-05	3.37E-06	1.21E-05	1.82E-06	5.61E-06
9724	436663.69	3763200.97	2.2E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
9725	436660.01	3763192.09	2.22E-05	7.56E-05	3.45E-06	1.24E-05	1.86E-06	5.73E-06
9726	436656.33	3763183.22	2.24E-05	7.63E-05	3.48E-06	1.25E-05	1.87E-06	5.78E-06
9727	436652.64	3763174.34	2.26E-05	7.70E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
9728	436648.96	3763165.47	2.28E-05	7.76E-05	3.54E-06	1.27E-05	1.91E-06	5.88E-06
9729	436645.28	3763156.6	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
9730	436641.6	3763147.72	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.96E-06
9731	436637.92	3763138.85	2.32E-05	7.92E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
9732	436634.24	3763129.97	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
9733	436630.56	3763121.1	2.34E-05	7.99E-05	3.64E-06	1.31E-05	1.96E-06	6.06E-06
9734	436626.88	3763112.22	2.35E-05	8.02E-05	3.66E-06	1.31E-05	1.97E-06	6.08E-06
9735	436623.19	3763103.35	2.36E-05	8.05E-05	3.67E-06	1.32E-05	1.98E-06	6.10E-06
9736	436619.51	3763094.47	2.37E-05	8.08E-05	3.68E-06	1.32E-05	1.98E-06	6.12E-06
9737	436615.83	3763085.6	2.38E-05	8.11E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
9738	436612.15	3763076.73	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
9739	436608.47	3763067.85	2.4E-05	8.19E-05	3.73E-06	1.34E-05	2.01E-06	6.21E-06
9740	436604.79	3763058.98	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.23E-06
9741	436601.11	3763050.1	2.42E-05	8.24E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
9742	436597.43	3763041.23	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
9743	436593.74	3763032.35	2.42E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
9744	436590.06	3763023.48	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
9745	436586.38	3763014.6	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
9746	436582.7	3763005.73	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.03E-06	6.28E-06
9747	436579.02	3762996.86	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.03E-06	6.28E-06
9748	436575.34	3762987.98	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
9749	436571.66	3762979.11	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
9750	436567.98	3762970.23	2.43E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
9751	436564.29	3762961.36	2.42E-05	8.26E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
9752	436560.61	3762952.48	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.03E-06	6.25E-06
9753	436556.93	3762943.61	2.42E-05	8.24E-05	3.75E-06	1.35E-05	2.02E-06	6.24E-06
9754	436553.25	3762934.74	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.23E-06
9755	436549.57	3762925.86	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.01E-06	6.22E-06
9756	436545.89	3762916.99	2.4E-05	8.19E-05	3.73E-06	1.34E-05	2.01E-06	6.21E-06
9757	437365.54	3763703.74	1.16E-05	3.97E-05	1.81E-06	6.49E-06	9.75E-07	3.01E-06
9758	437375.19	3763703.72	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.79E-07	3.02E-06
9759	437384.84	3763703.7	1.18E-05	4.01E-05	1.83E-06	6.55E-06	9.84E-07	3.04E-06
9760	437394.49	3763703.68	1.18E-05	4.03E-05	1.83E-06	6.58E-06	9.88E-07	3.05E-06
9761	437404.14	3763703.66	1.19E-05	4.04E-05	1.84E-06	6.60E-06	9.92E-07	3.06E-06
9762	437413.79	3763703.64	1.19E-05	4.06E-05	1.85E-06	6.63E-06	9.96E-07	3.08E-06
9763	437423.44	3763703.62	1.19E-05	4.07E-05	1.86E-06	6.66E-06	1.00E-06	3.09E-06
9764	437433.09	3763703.6	1.2E-05	4.09E-05	1.86E-06	6.68E-06	1.00E-06	3.10E-06
9765	437442.75	3763703.58	1.2E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
9766	437452.4	3763703.56	1.21E-05	4.13E-05	1.88E-06	6.74E-06	1.01E-06	3.13E-06
9767	437462.05	3763703.54	1.22E-05	4.14E-05	1.89E-06	6.77E-06	1.02E-06	3.14E-06
9768	437471.7	3763703.52	1.22E-05	4.16E-05	1.90E-06	6.80E-06	1.02E-06	3.15E-06
9769	437481.35	3763703.5	1.23E-05	4.18E-05	1.91E-06	6.83E-06	1.03E-06	3.17E-06
9770	437491	3763703.48	1.23E-05	4.20E-05	1.91E-06	6.86E-06	1.03E-06	3.18E-06
9771	437500.65	3763703.46	1.24E-05	4.23E-05	1.93E-06	6.91E-06	1.04E-06	3.20E-06
9772	437510.3	3763703.44	1.25E-05	4.26E-05	1.94E-06	6.95E-06	1.04E-06	3.22E-06

9773	437519.95	3763703.42	1.26E-05	4.29E-05	1.95E-06	7.00E-06	1.05E-06	3.25E-06
9774	437529.6	3763703.4	1.26E-05	4.31E-05	1.96E-06	7.04E-06	1.06E-06	3.26E-06
9775	437539.25	3763703.38	1.27E-05	4.33E-05	1.97E-06	7.07E-06	1.06E-06	3.28E-06
9776	437548.9	3763703.36	1.28E-05	4.35E-05	1.98E-06	7.11E-06	1.07E-06	3.30E-06
9777	437356.72	3763740.07	1.09E-05	3.71E-05	1.69E-06	6.06E-06	9.11E-07	2.81E-06
9778	437347.81	3763736.39	1.09E-05	3.72E-05	1.69E-06	6.07E-06	9.12E-07	2.82E-06
9779	437338.91	3763732.72	1.09E-05	3.72E-05	1.70E-06	6.08E-06	9.14E-07	2.82E-06
9780	437330	3763729.05	1.09E-05	3.73E-05	1.70E-06	6.09E-06	9.16E-07	2.83E-06
9781	437321.09	3763725.37	1.1E-05	3.74E-05	1.70E-06	6.10E-06	9.17E-07	2.83E-06
9782	437312.19	3763721.7	1.1E-05	3.74E-05	1.70E-06	6.11E-06	9.18E-07	2.83E-06
9783	437303.28	3763718.03	1.1E-05	3.75E-05	1.71E-06	6.12E-06	9.20E-07	2.84E-06
9784	437294.37	3763714.36	1.1E-05	3.75E-05	1.71E-06	6.13E-06	9.21E-07	2.84E-06
9785	437285.47	3763710.68	1.1E-05	3.76E-05	1.71E-06	6.14E-06	9.22E-07	2.85E-06
9786	437276.56	3763707.01	1.1E-05	3.76E-05	1.71E-06	6.15E-06	9.23E-07	2.85E-06
9787	437267.66	3763703.34	1.1E-05	3.77E-05	1.72E-06	6.15E-06	9.25E-07	2.85E-06
9788	437258.75	3763699.66	1.11E-05	3.77E-05	1.72E-06	6.16E-06	9.26E-07	2.86E-06
9789	437249.84	3763695.99	1.11E-05	3.78E-05	1.72E-06	6.18E-06	9.28E-07	2.86E-06
9790	437240.94	3763692.32	1.11E-05	3.79E-05	1.73E-06	6.19E-06	9.30E-07	2.87E-06
9791	437142.97	3763651.92	1.14E-05	3.90E-05	1.78E-06	6.37E-06	9.57E-07	2.96E-06
9792	437134.06	3763648.24	1.15E-05	3.92E-05	1.79E-06	6.41E-06	9.62E-07	2.97E-06
9793	437125.16	3763644.57	1.16E-05	3.94E-05	1.80E-06	6.44E-06	9.67E-07	2.99E-06
9794	437116.25	3763640.9	1.16E-05	3.96E-05	1.80E-06	6.46E-06	9.71E-07	3.00E-06
9795	437107.34	3763637.23	1.17E-05	3.98E-05	1.81E-06	6.49E-06	9.76E-07	3.01E-06
9796	437098.44	3763633.55	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.80E-07	3.03E-06
9797	437089.53	3763629.88	1.18E-05	4.01E-05	1.83E-06	6.56E-06	9.85E-07	3.04E-06
9798	437027.19	3763604.17	1.22E-05	4.15E-05	1.89E-06	6.78E-06	1.02E-06	3.15E-06
9799	437018.28	3763600.5	1.22E-05	4.18E-05	1.90E-06	6.82E-06	1.02E-06	3.16E-06
9800	437009.38	3763596.82	1.23E-05	4.19E-05	1.91E-06	6.85E-06	1.03E-06	3.18E-06
9801	437000.47	3763593.15	1.24E-05	4.22E-05	1.92E-06	6.90E-06	1.04E-06	3.20E-06
9802	436991.56	3763589.48	1.25E-05	4.25E-05	1.94E-06	6.95E-06	1.04E-06	3.22E-06
9803	436982.66	3763585.81	1.27E-05	4.31E-05	1.97E-06	7.05E-06	1.06E-06	3.27E-06
9804	436973.75	3763582.13	1.27E-05	4.34E-05	1.98E-06	7.09E-06	1.06E-06	3.29E-06
9805	436964.85	3763578.46	1.28E-05	4.36E-05	1.99E-06	7.12E-06	1.07E-06	3.30E-06
9806	436955.94	3763574.79	1.29E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
9807	436947.03	3763571.11	1.29E-05	4.40E-05	2.01E-06	7.19E-06	1.08E-06	3.34E-06
9808	436938.13	3763567.44	1.3E-05	4.42E-05	2.01E-06	7.22E-06	1.09E-06	3.35E-06
9809	436929.22	3763563.77	1.3E-05	4.44E-05	2.02E-06	7.25E-06	1.09E-06	3.36E-06
9810	436920.31	3763560.1	1.31E-05	4.46E-05	2.03E-06	7.28E-06	1.09E-06	3.38E-06
9811	436911.41	3763556.42	1.31E-05	4.46E-05	2.03E-06	7.29E-06	1.10E-06	3.38E-06
9812	436902.5	3763552.75	1.31E-05	4.48E-05	2.04E-06	7.32E-06	1.10E-06	3.39E-06
9813	436893.6	3763549.08	1.32E-05	4.49E-05	2.05E-06	7.34E-06	1.10E-06	3.40E-06
9814	436884.69	3763545.4	1.32E-05	4.51E-05	2.06E-06	7.37E-06	1.11E-06	3.42E-06
9815	436875.78	3763541.73	1.33E-05	4.53E-05	2.06E-06	7.40E-06	1.11E-06	3.43E-06
9816	436866.88	3763538.06	1.33E-05	4.55E-05	2.07E-06	7.43E-06	1.12E-06	3.44E-06
9817	436857.97	3763534.39	1.34E-05	4.56E-05	2.08E-06	7.45E-06	1.12E-06	3.46E-06
9818	436849.07	3763530.71	1.34E-05	4.57E-05	2.08E-06	7.47E-06	1.12E-06	3.46E-06
9819	436840.16	3763527.04	1.34E-05	4.59E-05	2.09E-06	7.49E-06	1.13E-06	3.47E-06
9820	436831.25	3763523.37	1.35E-05	4.60E-05	2.10E-06	7.51E-06	1.13E-06	3.49E-06
9821	436822.35	3763519.69	1.35E-05	4.61E-05	2.10E-06	7.54E-06	1.13E-06	3.50E-06
9822	436813.44	3763516.02	1.36E-05	4.63E-05	2.11E-06	7.56E-06	1.14E-06	3.51E-06
9823	436804.53	3763512.35	1.36E-05	4.65E-05	2.12E-06	7.59E-06	1.14E-06	3.52E-06
9824	436795.63	3763508.68	1.37E-05	4.67E-05	2.13E-06	7.62E-06	1.15E-06	3.54E-06

9825	436786.72	3763505	1.37E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
9826	436777.82	3763501.33	1.38E-05	4.70E-05	2.14E-06	7.68E-06	1.15E-06	3.56E-06
9827	436738.5	3763477.74	1.41E-05	4.82E-05	2.20E-06	7.88E-06	1.18E-06	3.66E-06
9828	436734.81	3763468.84	1.44E-05	4.90E-05	2.23E-06	8.00E-06	1.20E-06	3.71E-06
9829	436731.12	3763459.94	1.46E-05	4.97E-05	2.26E-06	8.12E-06	1.22E-06	3.77E-06
9830	436727.43	3763451.04	1.48E-05	5.05E-05	2.30E-06	8.24E-06	1.24E-06	3.82E-06
9831	436723.73	3763442.15	1.5E-05	5.12E-05	2.33E-06	8.37E-06	1.26E-06	3.88E-06
9832	436720.04	3763433.25	1.52E-05	5.20E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
9833	436716.35	3763424.35	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
9834	436712.66	3763415.45	1.57E-05	5.35E-05	2.44E-06	8.74E-06	1.31E-06	4.05E-06
9835	436708.97	3763406.55	1.59E-05	5.42E-05	2.47E-06	8.86E-06	1.33E-06	4.11E-06
9836	436705.28	3763397.65	1.61E-05	5.50E-05	2.51E-06	8.99E-06	1.35E-06	4.17E-06
9837	436701.59	3763388.75	1.64E-05	5.58E-05	2.54E-06	9.11E-06	1.37E-06	4.23E-06
9838	436697.9	3763379.86	1.66E-05	5.66E-05	2.58E-06	9.24E-06	1.39E-06	4.29E-06
9839	436694.2	3763370.96	1.68E-05	5.73E-05	2.61E-06	9.36E-06	1.41E-06	4.34E-06
9840	436690.51	3763362.06	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
9841	436686.82	3763353.16	1.73E-05	5.88E-05	2.68E-06	9.61E-06	1.44E-06	4.46E-06
9842	436683.13	3763344.26	1.75E-05	5.96E-05	2.71E-06	9.73E-06	1.46E-06	4.51E-06
9843	436679.44	3763335.36	1.77E-05	6.03E-05	2.75E-06	9.84E-06	1.48E-06	4.57E-06
9844	436675.75	3763326.46	1.79E-05	6.09E-05	2.78E-06	9.95E-06	1.50E-06	4.62E-06
9845	436672.06	3763317.57	1.81E-05	6.16E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
9846	436668.37	3763308.67	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
9847	436664.67	3763299.77	1.85E-05	6.31E-05	2.87E-06	1.03E-05	1.55E-06	4.78E-06
9848	436660.98	3763290.87	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.56E-06	4.83E-06
9849	436657.29	3763281.97	1.89E-05	6.44E-05	2.94E-06	1.05E-05	1.58E-06	4.88E-06
9850	436653.6	3763273.07	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
9851	436649.91	3763264.17	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.99E-06
9852	436646.22	3763255.28	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
9853	436642.53	3763246.38	1.97E-05	6.71E-05	3.06E-06	1.10E-05	1.65E-06	5.08E-06
9854	436638.83	3763237.48	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
9855	436635.14	3763228.58	2E-05	6.83E-05	3.11E-06	1.12E-05	1.68E-06	5.18E-06
9856	436631.45	3763219.68	2.02E-05	6.90E-05	3.15E-06	1.13E-05	1.69E-06	5.23E-06
9857	436627.76	3763210.78	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
9858	436624.07	3763201.88	2.07E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
9859	436620.38	3763192.99	2.08E-05	7.10E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
9860	436616.69	3763184.09	2.1E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
9861	436613	3763175.19	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
9862	436609.3	3763166.29	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
9863	436605.61	3763157.39	2.14E-05	7.31E-05	3.33E-06	1.19E-05	1.79E-06	5.54E-06
9864	436601.92	3763148.49	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
9865	436598.23	3763139.6	2.17E-05	7.40E-05	3.37E-06	1.21E-05	1.82E-06	5.61E-06
9866	436594.54	3763130.7	2.18E-05	7.43E-05	3.38E-06	1.21E-05	1.82E-06	5.63E-06
9867	436590.85	3763121.8	2.19E-05	7.45E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
9868	436587.16	3763112.9	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
9869	436583.47	3763104	2.2E-05	7.51E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
9870	436579.77	3763095.1	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
9871	436576.08	3763086.2	2.22E-05	7.58E-05	3.45E-06	1.24E-05	1.86E-06	5.74E-06
9872	436572.39	3763077.31	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
9873	436568.7	3763068.41	2.24E-05	7.62E-05	3.47E-06	1.25E-05	1.87E-06	5.78E-06
9874	436565.01	3763059.51	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.87E-06	5.79E-06
9875	436561.32	3763050.61	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
9876	436557.63	3763041.71	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06

9877	436553.93	3763032.81	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9878	436550.24	3763023.91	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9879	436546.55	3763015.02	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9880	436542.86	3763006.12	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9881	436539.17	3762997.22	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9882	436535.48	3762988.32	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9883	436531.79	3762979.42	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
9884	436528.1	3762970.52	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
9885	436524.4	3762961.62	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.87E-06	5.79E-06
9886	436520.71	3762952.73	2.24E-05	7.63E-05	3.48E-06	1.25E-05	1.87E-06	5.78E-06
9887	436517.02	3762943.83	2.23E-05	7.62E-05	3.47E-06	1.24E-05	1.87E-06	5.77E-06
9888	436513.33	3762934.93	2.23E-05	7.60E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
9889	436509.64	3762926.03	2.23E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.75E-06
9890	436505.95	3762917.13	2.22E-05	7.57E-05	3.45E-06	1.24E-05	1.86E-06	5.74E-06
9891	436502.26	3762908.23	2.22E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
9892	437365.62	3763743.74	1.09E-05	3.70E-05	1.69E-06	6.05E-06	9.09E-07	2.81E-06
9893	437375.27	3763743.72	1.09E-05	3.72E-05	1.69E-06	6.08E-06	9.13E-07	2.82E-06
9894	437384.92	3763743.7	1.1E-05	3.73E-05	1.70E-06	6.10E-06	9.17E-07	2.83E-06
9895	437394.58	3763743.68	1.1E-05	3.75E-05	1.71E-06	6.13E-06	9.21E-07	2.84E-06
9896	437404.23	3763743.66	1.1E-05	3.77E-05	1.72E-06	6.15E-06	9.24E-07	2.85E-06
9897	437413.88	3763743.64	1.11E-05	3.78E-05	1.72E-06	6.17E-06	9.28E-07	2.86E-06
9898	437423.53	3763743.62	1.11E-05	3.79E-05	1.73E-06	6.19E-06	9.30E-07	2.87E-06
9899	437433.18	3763743.6	1.11E-05	3.80E-05	1.73E-06	6.21E-06	9.33E-07	2.88E-06
9900	437442.83	3763743.58	1.12E-05	3.81E-05	1.74E-06	6.23E-06	9.36E-07	2.89E-06
9901	437452.48	3763743.56	1.12E-05	3.82E-05	1.74E-06	6.25E-06	9.39E-07	2.90E-06
9902	437462.13	3763743.54	1.12E-05	3.83E-05	1.75E-06	6.26E-06	9.41E-07	2.91E-06
9903	437471.78	3763743.52	1.13E-05	3.85E-05	1.75E-06	6.29E-06	9.45E-07	2.92E-06
9904	437481.43	3763743.5	1.13E-05	3.87E-05	1.76E-06	6.32E-06	9.49E-07	2.93E-06
9905	437491.08	3763743.48	1.14E-05	3.88E-05	1.77E-06	6.34E-06	9.53E-07	2.94E-06
9906	437500.73	3763743.46	1.15E-05	3.91E-05	1.78E-06	6.39E-06	9.60E-07	2.96E-06
9907	437510.38	3763743.44	1.16E-05	3.94E-05	1.80E-06	6.44E-06	9.67E-07	2.99E-06
9908	437520.03	3763743.42	1.16E-05	3.97E-05	1.81E-06	6.49E-06	9.75E-07	3.01E-06
9909	437529.68	3763743.4	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.79E-07	3.02E-06
9910	437539.33	3763743.38	1.18E-05	4.01E-05	1.83E-06	6.55E-06	9.84E-07	3.04E-06
9911	437548.98	3763743.36	1.18E-05	4.03E-05	1.83E-06	6.58E-06	9.88E-07	3.05E-06
9912	437356.9	3763780.11	1.02E-05	3.47E-05	1.58E-06	5.67E-06	8.51E-07	2.63E-06
9913	437348.09	3763776.47	1.02E-05	3.47E-05	1.58E-06	5.67E-06	8.53E-07	2.63E-06
9914	437339.28	3763772.84	1.02E-05	3.48E-05	1.59E-06	5.68E-06	8.54E-07	2.64E-06
9915	437330.48	3763769.21	1.02E-05	3.49E-05	1.59E-06	5.69E-06	8.55E-07	2.64E-06
9916	437321.67	3763765.58	1.02E-05	3.49E-05	1.59E-06	5.70E-06	8.57E-07	2.65E-06
9917	437312.86	3763761.94	1.03E-05	3.50E-05	1.59E-06	5.71E-06	8.59E-07	2.65E-06
9918	437304.05	3763758.31	1.03E-05	3.50E-05	1.60E-06	5.72E-06	8.60E-07	2.65E-06
9919	437295.24	3763754.68	1.03E-05	3.51E-05	1.60E-06	5.73E-06	8.61E-07	2.66E-06
9920	437286.44	3763751.05	1.03E-05	3.51E-05	1.60E-06	5.74E-06	8.62E-07	2.66E-06
9921	437277.63	3763747.42	1.03E-05	3.51E-05	1.60E-06	5.74E-06	8.62E-07	2.66E-06
9922	437268.82	3763743.78	1.03E-05	3.52E-05	1.60E-06	5.74E-06	8.63E-07	2.66E-06
9923	437260.01	3763740.15	1.03E-05	3.52E-05	1.60E-06	5.75E-06	8.63E-07	2.66E-06
9924	437251.21	3763736.52	1.03E-05	3.52E-05	1.60E-06	5.75E-06	8.64E-07	2.67E-06
9925	437242.4	3763732.89	1.03E-05	3.52E-05	1.61E-06	5.76E-06	8.65E-07	2.67E-06
9926	437233.59	3763729.25	1.04E-05	3.53E-05	1.61E-06	5.77E-06	8.67E-07	2.68E-06
9927	437224.78	3763725.62	1.04E-05	3.54E-05	1.61E-06	5.78E-06	8.69E-07	2.68E-06
9928	437215.98	3763721.99	1.04E-05	3.55E-05	1.62E-06	5.79E-06	8.71E-07	2.69E-06

9929	437207.17	3763718.36	1.04E-05	3.55E-05	1.62E-06	5.81E-06	8.72E-07	2.69E-06
9930	437198.36	3763714.73	1.05E-05	3.56E-05	1.62E-06	5.82E-06	8.75E-07	2.70E-06
9931	437189.55	3763711.09	1.05E-05	3.57E-05	1.63E-06	5.84E-06	8.77E-07	2.71E-06
9932	437180.74	3763707.46	1.05E-05	3.58E-05	1.63E-06	5.85E-06	8.78E-07	2.71E-06
9933	437101.48	3763674.77	1.08E-05	3.68E-05	1.68E-06	6.00E-06	9.02E-07	2.79E-06
9934	437092.67	3763671.14	1.08E-05	3.69E-05	1.68E-06	6.03E-06	9.06E-07	2.80E-06
9935	437083.86	3763667.51	1.09E-05	3.71E-05	1.69E-06	6.06E-06	9.10E-07	2.81E-06
9936	437075.05	3763663.87	1.09E-05	3.72E-05	1.70E-06	6.08E-06	9.14E-07	2.82E-06
9937	437066.24	3763660.24	1.1E-05	3.74E-05	1.71E-06	6.12E-06	9.19E-07	2.84E-06
9938	437057.44	3763656.61	1.1E-05	3.76E-05	1.71E-06	6.15E-06	9.23E-07	2.85E-06
9939	437048.63	3763652.98	1.11E-05	3.78E-05	1.72E-06	6.18E-06	9.28E-07	2.86E-06
9940	437039.82	3763649.35	1.11E-05	3.80E-05	1.73E-06	6.21E-06	9.33E-07	2.88E-06
9941	437031.01	3763645.71	1.12E-05	3.82E-05	1.74E-06	6.24E-06	9.38E-07	2.89E-06
9942	437022.21	3763642.08	1.13E-05	3.84E-05	1.75E-06	6.28E-06	9.43E-07	2.91E-06
9943	437013.4	3763638.45	1.13E-05	3.87E-05	1.76E-06	6.32E-06	9.49E-07	2.93E-06
9944	437004.59	3763634.82	1.14E-05	3.89E-05	1.77E-06	6.36E-06	9.56E-07	2.95E-06
9945	436925.32	3763602.13	1.2E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
9946	436916.51	3763598.49	1.21E-05	4.12E-05	1.88E-06	6.74E-06	1.01E-06	3.12E-06
9947	436907.71	3763594.86	1.21E-05	4.13E-05	1.88E-06	6.74E-06	1.01E-06	3.13E-06
9948	436898.9	3763591.23	1.21E-05	4.14E-05	1.89E-06	6.77E-06	1.02E-06	3.14E-06
9949	436890.09	3763587.6	1.22E-05	4.16E-05	1.89E-06	6.79E-06	1.02E-06	3.15E-06
9950	436881.28	3763583.96	1.22E-05	4.18E-05	1.90E-06	6.82E-06	1.02E-06	3.16E-06
9951	436872.47	3763580.33	1.23E-05	4.19E-05	1.91E-06	6.85E-06	1.03E-06	3.18E-06
9952	436863.67	3763576.7	1.23E-05	4.21E-05	1.92E-06	6.88E-06	1.03E-06	3.19E-06
9953	436854.86	3763573.07	1.24E-05	4.22E-05	1.92E-06	6.90E-06	1.04E-06	3.20E-06
9954	436846.05	3763569.44	1.24E-05	4.23E-05	1.93E-06	6.92E-06	1.04E-06	3.21E-06
9955	436837.24	3763565.8	1.24E-05	4.24E-05	1.93E-06	6.93E-06	1.04E-06	3.21E-06
9956	436828.44	3763562.17	1.25E-05	4.25E-05	1.93E-06	6.94E-06	1.04E-06	3.22E-06
9957	436819.63	3763558.54	1.25E-05	4.25E-05	1.94E-06	6.95E-06	1.04E-06	3.22E-06
9958	436810.82	3763554.91	1.25E-05	4.27E-05	1.94E-06	6.97E-06	1.05E-06	3.23E-06
9959	436802.01	3763551.27	1.25E-05	4.27E-05	1.95E-06	6.98E-06	1.05E-06	3.24E-06
9960	436793.21	3763547.64	1.26E-05	4.29E-05	1.95E-06	7.00E-06	1.05E-06	3.25E-06
9961	436784.4	3763544.01	1.26E-05	4.30E-05	1.96E-06	7.02E-06	1.06E-06	3.26E-06
9962	436775.59	3763540.38	1.27E-05	4.31E-05	1.97E-06	7.05E-06	1.06E-06	3.27E-06
9963	436740.36	3763525.85	1.28E-05	4.38E-05	1.99E-06	7.15E-06	1.07E-06	3.32E-06
9964	436731.55	3763522.22	1.29E-05	4.39E-05	2.00E-06	7.17E-06	1.08E-06	3.33E-06
9965	436722.74	3763518.58	1.29E-05	4.41E-05	2.01E-06	7.20E-06	1.08E-06	3.34E-06
9966	436710.29	3763506.15	1.32E-05	4.49E-05	2.04E-06	7.33E-06	1.10E-06	3.40E-06
9967	436706.64	3763497.35	1.34E-05	4.56E-05	2.08E-06	7.44E-06	1.12E-06	3.45E-06
9968	436702.98	3763488.55	1.36E-05	4.62E-05	2.11E-06	7.55E-06	1.13E-06	3.50E-06
9969	436699.33	3763479.75	1.37E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
9970	436695.68	3763470.95	1.39E-05	4.75E-05	2.17E-06	7.77E-06	1.17E-06	3.60E-06
9971	436692.03	3763462.15	1.41E-05	4.82E-05	2.20E-06	7.88E-06	1.18E-06	3.65E-06
9972	436688.38	3763453.35	1.43E-05	4.89E-05	2.23E-06	7.98E-06	1.20E-06	3.70E-06
9973	436684.73	3763444.55	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.21E-06	3.75E-06
9974	436681.08	3763435.75	1.47E-05	5.02E-05	2.29E-06	8.19E-06	1.23E-06	3.80E-06
9975	436677.43	3763426.95	1.49E-05	5.09E-05	2.32E-06	8.31E-06	1.25E-06	3.85E-06
9976	436673.78	3763418.15	1.51E-05	5.16E-05	2.35E-06	8.42E-06	1.27E-06	3.91E-06
9977	436670.13	3763409.35	1.53E-05	5.23E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
9978	436666.48	3763400.55	1.55E-05	5.29E-05	2.41E-06	8.65E-06	1.30E-06	4.01E-06
9979	436662.83	3763391.75	1.57E-05	5.36E-05	2.44E-06	8.76E-06	1.32E-06	4.06E-06
9980	436659.18	3763382.95	1.59E-05	5.43E-05	2.48E-06	8.87E-06	1.33E-06	4.12E-06

9981	436655.53	3763374.15	1.61E-05	5.50E-05	2.51E-06	8.99E-06	1.35E-06	4.17E-06
9982	436651.88	3763365.35	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
9983	436648.23	3763356.55	1.65E-05	5.63E-05	2.57E-06	9.20E-06	1.38E-06	4.27E-06
9984	436644.58	3763347.75	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
9985	436640.93	3763338.95	1.69E-05	5.76E-05	2.63E-06	9.41E-06	1.41E-06	4.37E-06
9986	436637.28	3763330.15	1.71E-05	5.82E-05	2.65E-06	9.51E-06	1.43E-06	4.41E-06
9987	436633.63	3763321.35	1.73E-05	5.88E-05	2.68E-06	9.61E-06	1.44E-06	4.46E-06
9988	436629.97	3763312.55	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
9989	436626.32	3763303.75	1.76E-05	6.00E-05	2.73E-06	9.80E-06	1.47E-06	4.55E-06
9990	436622.67	3763294.95	1.78E-05	6.06E-05	2.76E-06	9.90E-06	1.49E-06	4.59E-06
9991	436619.02	3763286.15	1.79E-05	6.11E-05	2.78E-06	9.98E-06	1.50E-06	4.63E-06
9992	436615.37	3763277.35	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
9993	436611.72	3763268.55	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
9994	436608.07	3763259.75	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9995	436604.42	3763250.95	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.80E-06
9996	436600.77	3763242.15	1.88E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.85E-06
9997	436597.12	3763233.35	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
9998	436593.47	3763224.55	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
9999	436589.82	3763215.75	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
10000	436586.17	3763206.95	1.95E-05	6.64E-05	3.03E-06	1.08E-05	1.63E-06	5.03E-06
10001	436582.52	3763198.15	1.97E-05	6.70E-05	3.05E-06	1.09E-05	1.64E-06	5.08E-06
10002	436578.87	3763189.35	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.66E-06	5.11E-06
10003	436575.22	3763180.55	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
10004	436571.57	3763171.75	2E-05	6.82E-05	3.11E-06	1.11E-05	1.68E-06	5.17E-06
10005	436567.92	3763162.95	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
10006	436564.27	3763154.15	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
10007	436560.62	3763145.35	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
10008	436556.97	3763136.55	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
10009	436553.31	3763127.74	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
10010	436549.66	3763118.94	2.06E-05	7.01E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
10011	436546.01	3763110.14	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.73E-06	5.33E-06
10012	436542.36	3763101.34	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
10013	436538.71	3763092.54	2.07E-05	7.07E-05	3.22E-06	1.15E-05	1.73E-06	5.36E-06
10014	436535.06	3763083.74	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
10015	436531.41	3763074.94	2.08E-05	7.10E-05	3.23E-06	1.16E-05	1.74E-06	5.38E-06
10016	436527.76	3763066.14	2.08E-05	7.11E-05	3.24E-06	1.16E-05	1.74E-06	5.39E-06
10017	436524.11	3763057.34	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
10018	436520.46	3763048.54	2.09E-05	7.12E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10019	436516.81	3763039.74	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10020	436513.16	3763030.94	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10021	436509.51	3763022.14	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10022	436505.86	3763013.34	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10023	436502.21	3763004.54	2.09E-05	7.12E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10024	436498.56	3762995.74	2.09E-05	7.12E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
10025	436494.91	3762986.94	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
10026	436491.26	3762978.14	2.08E-05	7.10E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
10027	436487.61	3762969.34	2.08E-05	7.10E-05	3.23E-06	1.16E-05	1.74E-06	5.38E-06
10028	436483.96	3762960.54	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
10029	436480.3	3762951.74	2.07E-05	7.07E-05	3.22E-06	1.16E-05	1.74E-06	5.36E-06
10030	436476.65	3762942.94	2.07E-05	7.06E-05	3.22E-06	1.15E-05	1.73E-06	5.35E-06
10031	436473	3762934.14	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
10032	436469.35	3762925.34	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06

10033	436465.7	3762916.54	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
10034	436462.05	3762907.74	2.06E-05	7.01E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
10035	437365.71	3763783.74	1.02E-05	3.46E-05	1.58E-06	5.66E-06	8.50E-07	2.62E-06
10036	437375.36	3763783.72	1.02E-05	3.48E-05	1.58E-06	5.68E-06	8.54E-07	2.64E-06
10037	437385.01	3763783.7	1.02E-05	3.49E-05	1.59E-06	5.70E-06	8.57E-07	2.65E-06
10038	437394.66	3763783.68	1.03E-05	3.50E-05	1.60E-06	5.72E-06	8.60E-07	2.65E-06
10039	437404.31	3763783.66	1.03E-05	3.52E-05	1.60E-06	5.75E-06	8.63E-07	2.66E-06
10040	437413.96	3763783.64	1.03E-05	3.53E-05	1.61E-06	5.76E-06	8.66E-07	2.67E-06
10041	437423.61	3763783.62	1.04E-05	3.54E-05	1.61E-06	5.78E-06	8.69E-07	2.68E-06
10042	437433.26	3763783.6	1.04E-05	3.55E-05	1.62E-06	5.80E-06	8.71E-07	2.69E-06
10043	437442.91	3763783.58	1.04E-05	3.56E-05	1.62E-06	5.81E-06	8.73E-07	2.70E-06
10044	437452.56	3763783.56	1.05E-05	3.57E-05	1.63E-06	5.83E-06	8.76E-07	2.70E-06
10045	437462.21	3763783.54	1.05E-05	3.58E-05	1.63E-06	5.84E-06	8.78E-07	2.71E-06
10046	437471.86	3763783.52	1.05E-05	3.59E-05	1.64E-06	5.87E-06	8.82E-07	2.72E-06
10047	437481.51	3763783.5	1.06E-05	3.61E-05	1.65E-06	5.90E-06	8.87E-07	2.74E-06
10048	437491.16	3763783.48	1.06E-05	3.63E-05	1.65E-06	5.93E-06	8.91E-07	2.75E-06
10049	437500.81	3763783.46	1.07E-05	3.65E-05	1.66E-06	5.97E-06	8.96E-07	2.77E-06
10050	437510.46	3763783.44	1.08E-05	3.67E-05	1.67E-06	6.00E-06	9.02E-07	2.78E-06
10051	437520.12	3763783.42	1.08E-05	3.70E-05	1.69E-06	6.04E-06	9.08E-07	2.80E-06
10052	437529.77	3763783.4	1.09E-05	3.71E-05	1.69E-06	6.06E-06	9.11E-07	2.81E-06
10053	437539.42	3763783.38	1.09E-05	3.72E-05	1.70E-06	6.08E-06	9.13E-07	2.82E-06
10054	437549.07	3763783.36	1.09E-05	3.73E-05	1.70E-06	6.10E-06	9.16E-07	2.83E-06
10055	437356.96	3763820.1	9.55E-06	3.26E-05	1.48E-06	5.32E-06	7.99E-07	2.47E-06
10056	437348.12	3763816.45	9.57E-06	3.26E-05	1.49E-06	5.33E-06	8.01E-07	2.47E-06
10057	437339.29	3763812.81	9.58E-06	3.27E-05	1.49E-06	5.34E-06	8.02E-07	2.47E-06
10058	437330.46	3763809.17	9.59E-06	3.27E-05	1.49E-06	5.34E-06	8.03E-07	2.48E-06
10059	437321.63	3763805.53	9.61E-06	3.28E-05	1.49E-06	5.35E-06	8.04E-07	2.48E-06
10060	437312.79	3763801.88	9.62E-06	3.28E-05	1.50E-06	5.36E-06	8.05E-07	2.49E-06
10061	437303.96	3763798.24	9.64E-06	3.29E-05	1.50E-06	5.37E-06	8.07E-07	2.49E-06
10062	437295.13	3763794.6	9.66E-06	3.29E-05	1.50E-06	5.38E-06	8.08E-07	2.49E-06
10063	437286.3	3763790.96	9.67E-06	3.30E-05	1.50E-06	5.38E-06	8.09E-07	2.50E-06
10064	437277.46	3763787.31	9.68E-06	3.30E-05	1.50E-06	5.39E-06	8.10E-07	2.50E-06
10065	437268.63	3763783.67	9.69E-06	3.31E-05	1.51E-06	5.40E-06	8.11E-07	2.50E-06
10066	437259.8	3763780.03	9.7E-06	3.31E-05	1.51E-06	5.41E-06	8.12E-07	2.51E-06
10067	437250.97	3763776.39	9.71E-06	3.31E-05	1.51E-06	5.41E-06	8.13E-07	2.51E-06
10068	437242.13	3763772.74	9.72E-06	3.31E-05	1.51E-06	5.42E-06	8.14E-07	2.51E-06
10069	437233.3	3763769.1	9.73E-06	3.32E-05	1.51E-06	5.42E-06	8.14E-07	2.51E-06
10070	437224.47	3763765.46	9.74E-06	3.32E-05	1.51E-06	5.42E-06	8.15E-07	2.52E-06
10071	437215.64	3763761.82	9.75E-06	3.32E-05	1.51E-06	5.43E-06	8.16E-07	2.52E-06
10072	437206.8	3763758.17	9.76E-06	3.33E-05	1.52E-06	5.44E-06	8.17E-07	2.52E-06
10073	437197.97	3763754.53	9.78E-06	3.33E-05	1.52E-06	5.45E-06	8.18E-07	2.53E-06
10074	437189.14	3763750.89	9.79E-06	3.34E-05	1.52E-06	5.45E-06	8.20E-07	2.53E-06
10075	437180.31	3763747.25	9.81E-06	3.34E-05	1.52E-06	5.46E-06	8.21E-07	2.53E-06
10076	437153.81	3763736.32	9.86E-06	3.36E-05	1.53E-06	5.49E-06	8.26E-07	2.55E-06
10077	437144.98	3763732.68	9.89E-06	3.37E-05	1.54E-06	5.51E-06	8.28E-07	2.56E-06
10078	437136.14	3763729.03	9.92E-06	3.38E-05	1.54E-06	5.53E-06	8.30E-07	2.56E-06
10079	437127.31	3763725.39	9.94E-06	3.39E-05	1.54E-06	5.54E-06	8.32E-07	2.57E-06
10080	437118.48	3763721.75	9.96E-06	3.40E-05	1.55E-06	5.55E-06	8.34E-07	2.57E-06
10081	437109.64	3763718.11	9.98E-06	3.40E-05	1.55E-06	5.56E-06	8.36E-07	2.58E-06
10082	437100.81	3763714.46	1E-05	3.41E-05	1.56E-06	5.58E-06	8.38E-07	2.59E-06
10083	437091.98	3763710.82	1E-05	3.42E-05	1.56E-06	5.59E-06	8.39E-07	2.59E-06
10084	437083.15	3763707.18	1.01E-05	3.43E-05	1.56E-06	5.60E-06	8.41E-07	2.60E-06

10085	437012.49	3763678.04	1.05E-05	3.57E-05	1.62E-06	5.82E-06	8.75E-07	2.70E-06
10086	437003.65	3763674.4	1.05E-05	3.59E-05	1.64E-06	5.86E-06	8.81E-07	2.72E-06
10087	436994.82	3763670.75	1.06E-05	3.62E-05	1.65E-06	5.91E-06	8.88E-07	2.74E-06
10088	436985.99	3763667.11	1.07E-05	3.64E-05	1.66E-06	5.95E-06	8.94E-07	2.76E-06
10089	436977.16	3763663.47	1.08E-05	3.67E-05	1.67E-06	5.99E-06	9.00E-07	2.78E-06
10090	436968.32	3763659.83	1.09E-05	3.72E-05	1.70E-06	6.08E-06	9.14E-07	2.82E-06
10091	436959.49	3763656.18	1.1E-05	3.74E-05	1.71E-06	6.12E-06	9.19E-07	2.84E-06
10092	436950.66	3763652.54	1.1E-05	3.76E-05	1.71E-06	6.14E-06	9.23E-07	2.85E-06
10093	436941.83	3763648.9	1.11E-05	3.78E-05	1.72E-06	6.17E-06	9.27E-07	2.86E-06
10094	436932.99	3763645.26	1.11E-05	3.80E-05	1.73E-06	6.20E-06	9.32E-07	2.88E-06
10095	436924.16	3763641.61	1.12E-05	3.81E-05	1.74E-06	6.23E-06	9.36E-07	2.89E-06
10096	436915.33	3763637.97	1.12E-05	3.83E-05	1.74E-06	6.26E-06	9.40E-07	2.90E-06
10097	436906.5	3763634.33	1.13E-05	3.84E-05	1.75E-06	6.28E-06	9.44E-07	2.91E-06
10098	436844.67	3763608.83	1.16E-05	3.94E-05	1.80E-06	6.44E-06	9.68E-07	2.99E-06
10099	436835.84	3763605.19	1.16E-05	3.96E-05	1.80E-06	6.46E-06	9.71E-07	3.00E-06
10100	436827	3763601.55	1.16E-05	3.97E-05	1.81E-06	6.48E-06	9.74E-07	3.01E-06
10101	436818.17	3763597.9	1.17E-05	3.98E-05	1.81E-06	6.50E-06	9.77E-07	3.02E-06
10102	436809.34	3763594.26	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.79E-07	3.02E-06
10103	436800.5	3763590.62	1.17E-05	4.00E-05	1.82E-06	6.53E-06	9.81E-07	3.03E-06
10104	436791.67	3763586.98	1.17E-05	4.00E-05	1.82E-06	6.54E-06	9.83E-07	3.03E-06
10105	436782.84	3763583.33	1.18E-05	4.01E-05	1.83E-06	6.55E-06	9.84E-07	3.04E-06
10106	436774.01	3763579.69	1.18E-05	4.01E-05	1.83E-06	6.56E-06	9.85E-07	3.04E-06
10107	436747.51	3763568.76	1.19E-05	4.04E-05	1.84E-06	6.60E-06	9.92E-07	3.06E-06
10108	436738.68	3763565.12	1.19E-05	4.05E-05	1.85E-06	6.62E-06	9.95E-07	3.07E-06
10109	436729.84	3763561.48	1.19E-05	4.07E-05	1.85E-06	6.64E-06	9.98E-07	3.08E-06
10110	436721.01	3763557.84	1.2E-05	4.08E-05	1.86E-06	6.67E-06	1.00E-06	3.09E-06
10111	436712.18	3763554.19	1.2E-05	4.10E-05	1.87E-06	6.70E-06	1.01E-06	3.11E-06
10112	436703.35	3763550.55	1.21E-05	4.12E-05	1.88E-06	6.73E-06	1.01E-06	3.12E-06
10113	436694.51	3763546.91	1.21E-05	4.14E-05	1.88E-06	6.76E-06	1.02E-06	3.13E-06
10114	436682.02	3763534.44	1.24E-05	4.21E-05	1.92E-06	6.89E-06	1.03E-06	3.19E-06
10115	436678.36	3763525.62	1.25E-05	4.28E-05	1.95E-06	6.99E-06	1.05E-06	3.24E-06
10116	436674.7	3763516.79	1.27E-05	4.33E-05	1.97E-06	7.08E-06	1.06E-06	3.28E-06
10117	436671.04	3763507.97	1.29E-05	4.39E-05	2.00E-06	7.17E-06	1.08E-06	3.33E-06
10118	436667.38	3763499.14	1.3E-05	4.45E-05	2.03E-06	7.27E-06	1.09E-06	3.37E-06
10119	436663.72	3763490.32	1.32E-05	4.51E-05	2.05E-06	7.36E-06	1.11E-06	3.42E-06
10120	436660.06	3763481.49	1.34E-05	4.57E-05	2.08E-06	7.46E-06	1.12E-06	3.46E-06
10121	436656.39	3763472.67	1.36E-05	4.63E-05	2.11E-06	7.56E-06	1.14E-06	3.51E-06
10122	436652.73	3763463.84	1.37E-05	4.68E-05	2.13E-06	7.65E-06	1.15E-06	3.55E-06
10123	436649.07	3763455.02	1.39E-05	4.74E-05	2.16E-06	7.75E-06	1.16E-06	3.59E-06
10124	436645.41	3763446.19	1.41E-05	4.80E-05	2.19E-06	7.84E-06	1.18E-06	3.64E-06
10125	436641.75	3763437.37	1.43E-05	4.86E-05	2.21E-06	7.94E-06	1.19E-06	3.68E-06
10126	436638.09	3763428.54	1.44E-05	4.92E-05	2.24E-06	8.04E-06	1.21E-06	3.73E-06
10127	436634.43	3763419.72	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
10128	436630.77	3763410.89	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.82E-06
10129	436627.11	3763402.07	1.5E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
10130	436623.45	3763393.24	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.93E-06
10131	436619.79	3763384.42	1.54E-05	5.25E-05	2.39E-06	8.57E-06	1.29E-06	3.97E-06
10132	436616.13	3763375.59	1.56E-05	5.31E-05	2.42E-06	8.67E-06	1.30E-06	4.02E-06
10133	436612.47	3763366.77	1.57E-05	5.36E-05	2.44E-06	8.76E-06	1.32E-06	4.06E-06
10134	436608.8	3763357.94	1.59E-05	5.42E-05	2.47E-06	8.85E-06	1.33E-06	4.11E-06
10135	436605.14	3763349.12	1.6E-05	5.47E-05	2.49E-06	8.94E-06	1.34E-06	4.15E-06
10136	436601.48	3763340.29	1.62E-05	5.52E-05	2.52E-06	9.02E-06	1.36E-06	4.18E-06

10137	436597.82	3763331.47	1.63E-05	5.57E-05	2.54E-06	9.10E-06	1.37E-06	4.22E-06
10138	436594.16	3763322.64	1.65E-05	5.62E-05	2.56E-06	9.18E-06	1.38E-06	4.26E-06
10139	436590.5	3763313.82	1.66E-05	5.67E-05	2.58E-06	9.26E-06	1.39E-06	4.29E-06
10140	436586.84	3763304.99	1.68E-05	5.72E-05	2.61E-06	9.34E-06	1.40E-06	4.33E-06
10141	436583.18	3763296.17	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.37E-06
10142	436579.52	3763287.34	1.71E-05	5.82E-05	2.65E-06	9.51E-06	1.43E-06	4.41E-06
10143	436575.86	3763278.52	1.72E-05	5.87E-05	2.68E-06	9.59E-06	1.44E-06	4.45E-06
10144	436572.2	3763269.69	1.74E-05	5.92E-05	2.70E-06	9.68E-06	1.45E-06	4.49E-06
10145	436568.54	3763260.87	1.75E-05	5.98E-05	2.72E-06	9.76E-06	1.47E-06	4.53E-06
10146	436564.88	3763252.04	1.77E-05	6.03E-05	2.75E-06	9.86E-06	1.48E-06	4.57E-06
10147	436561.21	3763243.22	1.79E-05	6.09E-05	2.78E-06	9.96E-06	1.50E-06	4.62E-06
10148	436557.55	3763234.39	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
10149	436553.89	3763225.57	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
10150	436550.23	3763216.74	1.83E-05	6.25E-05	2.85E-06	1.02E-05	1.53E-06	4.73E-06
10151	436546.57	3763207.92	1.84E-05	6.29E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
10152	436542.91	3763199.09	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
10153	436539.25	3763190.27	1.86E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
10154	436535.59	3763181.44	1.87E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
10155	436531.93	3763172.62	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.87E-06
10156	436528.27	3763163.79	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
10157	436524.61	3763154.97	1.9E-05	6.48E-05	2.95E-06	1.06E-05	1.59E-06	4.91E-06
10158	436520.95	3763146.14	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
10159	436517.28	3763137.32	1.91E-05	6.53E-05	2.97E-06	1.07E-05	1.60E-06	4.95E-06
10160	436513.62	3763128.49	1.92E-05	6.55E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
10161	436509.96	3763119.67	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
10162	436506.3	3763110.84	1.93E-05	6.58E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
10163	436502.64	3763102.02	1.94E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
10164	436498.98	3763093.19	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
10165	436495.32	3763084.37	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
10166	436491.66	3763075.54	1.94E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
10167	436488	3763066.72	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
10168	436484.34	3763057.89	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
10169	436480.68	3763049.07	1.95E-05	6.65E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
10170	436477.02	3763040.24	1.95E-05	6.65E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
10171	436473.36	3763031.42	1.95E-05	6.65E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
10172	436469.69	3763022.59	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
10173	436466.03	3763013.77	1.95E-05	6.64E-05	3.03E-06	1.08E-05	1.63E-06	5.03E-06
10174	436462.37	3763004.94	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
10175	436458.71	3762996.12	1.94E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
10176	436455.05	3762987.29	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
10177	436451.39	3762978.47	1.94E-05	6.62E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
10178	436447.73	3762969.64	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
10179	436444.07	3762960.82	1.93E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
10180	436440.41	3762951.99	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
10181	436436.75	3762943.17	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
10182	436433.09	3762934.34	1.93E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
10183	436429.43	3762925.52	1.92E-05	6.55E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
10184	436425.76	3762916.69	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
10185	436422.1	3762907.87	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
10186	437365.79	3763823.74	9.53E-06	3.25E-05	1.48E-06	5.31E-06	7.98E-07	2.46E-06
10187	437375.44	3763823.72	9.57E-06	3.26E-05	1.49E-06	5.33E-06	8.01E-07	2.47E-06
10188	437385.09	3763823.7	9.62E-06	3.28E-05	1.49E-06	5.36E-06	8.05E-07	2.48E-06

10189	437394.74	3763823.68	9.66E-06	3.29E-05	1.50E-06	5.38E-06	8.08E-07	2.49E-06
10190	437404.39	3763823.66	9.69E-06	3.31E-05	1.51E-06	5.40E-06	8.11E-07	2.50E-06
10191	437414.04	3763823.64	9.73E-06	3.32E-05	1.51E-06	5.42E-06	8.14E-07	2.51E-06
10192	437423.69	3763823.62	9.76E-06	3.33E-05	1.52E-06	5.44E-06	8.17E-07	2.52E-06
10193	437433.34	3763823.6	9.79E-06	3.34E-05	1.52E-06	5.45E-06	8.19E-07	2.53E-06
10194	437442.99	3763823.58	9.81E-06	3.35E-05	1.52E-06	5.47E-06	8.21E-07	2.54E-06
10195	437452.64	3763823.56	9.84E-06	3.35E-05	1.53E-06	5.48E-06	8.23E-07	2.54E-06
10196	437462.29	3763823.54	9.86E-06	3.36E-05	1.53E-06	5.49E-06	8.26E-07	2.55E-06
10197	437471.95	3763823.52	9.89E-06	3.37E-05	1.54E-06	5.51E-06	8.28E-07	2.56E-06
10198	437481.6	3763823.5	9.91E-06	3.38E-05	1.54E-06	5.52E-06	8.30E-07	2.56E-06
10199	437491.25	3763823.48	9.95E-06	3.39E-05	1.55E-06	5.54E-06	8.32E-07	2.57E-06
10200	437500.9	3763823.46	9.99E-06	3.41E-05	1.55E-06	5.57E-06	8.36E-07	2.58E-06
10201	437510.55	3763823.44	1E-05	3.42E-05	1.56E-06	5.59E-06	8.40E-07	2.59E-06
10202	437520.2	3763823.42	1.01E-05	3.44E-05	1.57E-06	5.62E-06	8.44E-07	2.61E-06
10203	437529.85	3763823.4	1.01E-05	3.45E-05	1.57E-06	5.63E-06	8.46E-07	2.61E-06
10204	437539.5	3763823.38	1.01E-05	3.46E-05	1.58E-06	5.65E-06	8.49E-07	2.62E-06
10205	437549.15	3763823.36	1.02E-05	3.46E-05	1.58E-06	5.66E-06	8.50E-07	2.63E-06
10206	437357.02	3763860.09	9E-06	3.07E-05	1.40E-06	5.01E-06	7.54E-07	2.33E-06
10207	437348.16	3763856.43	9.02E-06	3.08E-05	1.40E-06	5.02E-06	7.55E-07	2.33E-06
10208	437339.31	3763852.78	9.03E-06	3.08E-05	1.40E-06	5.03E-06	7.56E-07	2.33E-06
10209	437330.45	3763849.13	9.05E-06	3.08E-05	1.41E-06	5.04E-06	7.57E-07	2.34E-06
10210	437321.59	3763845.48	9.06E-06	3.09E-05	1.41E-06	5.05E-06	7.59E-07	2.34E-06
10211	437312.74	3763841.83	9.07E-06	3.09E-05	1.41E-06	5.05E-06	7.59E-07	2.34E-06
10212	437303.88	3763838.17	9.08E-06	3.10E-05	1.41E-06	5.06E-06	7.60E-07	2.35E-06
10213	437295.03	3763834.52	9.1E-06	3.10E-05	1.41E-06	5.07E-06	7.62E-07	2.35E-06
10214	437286.17	3763830.87	9.12E-06	3.11E-05	1.42E-06	5.08E-06	7.63E-07	2.36E-06
10215	437277.32	3763827.22	9.13E-06	3.11E-05	1.42E-06	5.09E-06	7.64E-07	2.36E-06
10216	437268.46	3763823.57	9.14E-06	3.12E-05	1.42E-06	5.09E-06	7.65E-07	2.36E-06
10217	437259.61	3763819.91	9.15E-06	3.12E-05	1.42E-06	5.10E-06	7.66E-07	2.36E-06
10218	437250.75	3763816.26	9.16E-06	3.12E-05	1.42E-06	5.10E-06	7.67E-07	2.37E-06
10219	437241.89	3763812.61	9.17E-06	3.13E-05	1.42E-06	5.11E-06	7.67E-07	2.37E-06
10220	437233.04	3763808.96	9.18E-06	3.13E-05	1.43E-06	5.11E-06	7.68E-07	2.37E-06
10221	437224.18	3763805.31	9.18E-06	3.13E-05	1.43E-06	5.12E-06	7.69E-07	2.37E-06
10222	437215.33	3763801.65	9.19E-06	3.13E-05	1.43E-06	5.12E-06	7.69E-07	2.37E-06
10223	437206.47	3763798	9.19E-06	3.14E-05	1.43E-06	5.12E-06	7.70E-07	2.38E-06
10224	437197.62	3763794.35	9.2E-06	3.14E-05	1.43E-06	5.12E-06	7.70E-07	2.38E-06
10225	437188.76	3763790.7	9.21E-06	3.14E-05	1.43E-06	5.13E-06	7.71E-07	2.38E-06
10226	437179.91	3763787.05	9.22E-06	3.14E-05	1.43E-06	5.13E-06	7.71E-07	2.38E-06
10227	437153.34	3763776.09	9.27E-06	3.16E-05	1.44E-06	5.16E-06	7.76E-07	2.40E-06
10228	437144.48	3763772.44	9.29E-06	3.17E-05	1.44E-06	5.18E-06	7.78E-07	2.40E-06
10229	437135.63	3763768.79	9.32E-06	3.18E-05	1.45E-06	5.19E-06	7.80E-07	2.41E-06
10230	437126.77	3763765.13	9.34E-06	3.19E-05	1.45E-06	5.20E-06	7.82E-07	2.41E-06
10231	437117.92	3763761.48	9.36E-06	3.19E-05	1.45E-06	5.21E-06	7.83E-07	2.42E-06
10232	437109.06	3763757.83	9.38E-06	3.20E-05	1.46E-06	5.22E-06	7.85E-07	2.42E-06
10233	437100.21	3763754.18	9.4E-06	3.20E-05	1.46E-06	5.23E-06	7.87E-07	2.43E-06
10234	437091.35	3763750.53	9.4E-06	3.21E-05	1.46E-06	5.24E-06	7.87E-07	2.43E-06
10235	437082.49	3763746.87	9.41E-06	3.21E-05	1.46E-06	5.24E-06	7.88E-07	2.43E-06
10236	437073.64	3763743.22	9.42E-06	3.21E-05	1.46E-06	5.25E-06	7.89E-07	2.44E-06
10237	437064.78	3763739.57	9.45E-06	3.22E-05	1.47E-06	5.26E-06	7.91E-07	2.44E-06
10238	437055.93	3763735.92	9.47E-06	3.23E-05	1.47E-06	5.28E-06	7.93E-07	2.45E-06
10239	437047.07	3763732.27	9.51E-06	3.24E-05	1.48E-06	5.30E-06	7.96E-07	2.46E-06
10240	437038.22	3763728.61	9.55E-06	3.25E-05	1.48E-06	5.32E-06	7.99E-07	2.47E-06

10241	437029.36	3763724.96	9.59E-06	3.27E-05	1.49E-06	5.34E-06	8.03E-07	2.48E-06
10242	437020.5	3763721.31	9.64E-06	3.29E-05	1.50E-06	5.37E-06	8.07E-07	2.49E-06
10243	437011.65	3763717.66	9.7E-06	3.31E-05	1.51E-06	5.41E-06	8.12E-07	2.51E-06
10244	437002.79	3763714.01	9.76E-06	3.33E-05	1.52E-06	5.44E-06	8.17E-07	2.52E-06
10245	436993.94	3763710.35	9.82E-06	3.35E-05	1.53E-06	5.47E-06	8.22E-07	2.54E-06
10246	436985.08	3763706.7	9.89E-06	3.37E-05	1.54E-06	5.51E-06	8.27E-07	2.55E-06
10247	436923.09	3763681.14	1.03E-05	3.52E-05	1.60E-06	5.74E-06	8.63E-07	2.66E-06
10248	436914.24	3763677.49	1.04E-05	3.53E-05	1.61E-06	5.77E-06	8.66E-07	2.67E-06
10249	436905.38	3763673.83	1.04E-05	3.55E-05	1.62E-06	5.79E-06	8.71E-07	2.69E-06
10250	436896.53	3763670.18	1.05E-05	3.57E-05	1.62E-06	5.82E-06	8.75E-07	2.70E-06
10251	436887.67	3763666.53	1.05E-05	3.58E-05	1.63E-06	5.86E-06	8.80E-07	2.72E-06
10252	436878.82	3763662.88	1.06E-05	3.60E-05	1.64E-06	5.89E-06	8.84E-07	2.73E-06
10253	436869.96	3763659.23	1.06E-05	3.62E-05	1.65E-06	5.91E-06	8.89E-07	2.74E-06
10254	436861.1	3763655.57	1.07E-05	3.64E-05	1.66E-06	5.94E-06	8.93E-07	2.76E-06
10255	436852.25	3763651.92	1.07E-05	3.65E-05	1.66E-06	5.97E-06	8.97E-07	2.77E-06
10256	436843.39	3763648.27	1.08E-05	3.67E-05	1.67E-06	6.00E-06	9.01E-07	2.78E-06
10257	436834.54	3763644.62	1.08E-05	3.69E-05	1.68E-06	6.02E-06	9.05E-07	2.79E-06
10258	436825.68	3763640.97	1.09E-05	3.70E-05	1.69E-06	6.04E-06	9.08E-07	2.80E-06
10259	436816.83	3763637.31	1.09E-05	3.71E-05	1.69E-06	6.06E-06	9.11E-07	2.81E-06
10260	436745.98	3763608.1	1.11E-05	3.79E-05	1.73E-06	6.19E-06	9.30E-07	2.87E-06
10261	436737.13	3763604.45	1.11E-05	3.80E-05	1.73E-06	6.20E-06	9.32E-07	2.88E-06
10262	436728.27	3763600.79	1.12E-05	3.81E-05	1.74E-06	6.22E-06	9.35E-07	2.89E-06
10263	436719.42	3763597.14	1.12E-05	3.82E-05	1.74E-06	6.24E-06	9.38E-07	2.90E-06
10264	436710.56	3763593.49	1.12E-05	3.83E-05	1.75E-06	6.26E-06	9.41E-07	2.90E-06
10265	436701.7	3763589.84	1.13E-05	3.84E-05	1.75E-06	6.28E-06	9.44E-07	2.91E-06
10266	436692.85	3763586.19	1.13E-05	3.86E-05	1.76E-06	6.30E-06	9.46E-07	2.92E-06
10267	436683.99	3763582.54	1.14E-05	3.87E-05	1.76E-06	6.32E-06	9.50E-07	2.93E-06
10268	436675.14	3763578.88	1.14E-05	3.89E-05	1.77E-06	6.35E-06	9.54E-07	2.94E-06
10269	436666.28	3763575.23	1.14E-05	3.90E-05	1.78E-06	6.37E-06	9.57E-07	2.95E-06
10270	436653.76	3763562.73	1.16E-05	3.96E-05	1.81E-06	6.47E-06	9.73E-07	3.00E-06
10271	436650.09	3763553.88	1.18E-05	4.01E-05	1.83E-06	6.56E-06	9.85E-07	3.04E-06
10272	436646.42	3763545.04	1.19E-05	4.06E-05	1.85E-06	6.64E-06	9.98E-07	3.08E-06
10273	436642.74	3763536.19	1.21E-05	4.12E-05	1.88E-06	6.72E-06	1.01E-06	3.12E-06
10274	436639.07	3763527.34	1.22E-05	4.17E-05	1.90E-06	6.81E-06	1.02E-06	3.16E-06
10275	436635.4	3763518.49	1.24E-05	4.22E-05	1.92E-06	6.89E-06	1.04E-06	3.20E-06
10276	436631.73	3763509.64	1.25E-05	4.27E-05	1.95E-06	6.98E-06	1.05E-06	3.24E-06
10277	436628.06	3763500.8	1.27E-05	4.33E-05	1.97E-06	7.07E-06	1.06E-06	3.28E-06
10278	436624.39	3763491.95	1.29E-05	4.39E-05	2.00E-06	7.17E-06	1.08E-06	3.32E-06
10279	436620.72	3763483.1	1.3E-05	4.44E-05	2.02E-06	7.25E-06	1.09E-06	3.37E-06
10280	436617.05	3763474.25	1.32E-05	4.50E-05	2.05E-06	7.34E-06	1.10E-06	3.41E-06
10281	436613.38	3763465.4	1.33E-05	4.55E-05	2.07E-06	7.43E-06	1.12E-06	3.45E-06
10282	436609.71	3763456.56	1.35E-05	4.61E-05	2.10E-06	7.52E-06	1.13E-06	3.49E-06
10283	436606.04	3763447.71	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
10284	436602.37	3763438.86	1.38E-05	4.71E-05	2.15E-06	7.70E-06	1.16E-06	3.57E-06
10285	436598.7	3763430.01	1.4E-05	4.77E-05	2.17E-06	7.79E-06	1.17E-06	3.61E-06
10286	436595.03	3763421.16	1.41E-05	4.82E-05	2.20E-06	7.88E-06	1.18E-06	3.66E-06
10287	436591.36	3763412.32	1.43E-05	4.88E-05	2.22E-06	7.97E-06	1.20E-06	3.70E-06
10288	436587.69	3763403.47	1.45E-05	4.93E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
10289	436584.02	3763394.62	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
10290	436580.35	3763385.77	1.48E-05	5.03E-05	2.29E-06	8.22E-06	1.24E-06	3.81E-06
10291	436576.68	3763376.92	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
10292	436573.01	3763368.08	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06

10293	436569.34	3763359.23	1.52E-05	5.17E-05	2.36E-06	8.45E-06	1.27E-06	3.92E-06
10294	436565.67	3763350.38	1.53E-05	5.22E-05	2.38E-06	8.52E-06	1.28E-06	3.95E-06
10295	436562	3763341.53	1.54E-05	5.26E-05	2.40E-06	8.60E-06	1.29E-06	3.99E-06
10296	436558.33	3763332.68	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.03E-06
10297	436554.66	3763323.84	1.57E-05	5.37E-05	2.45E-06	8.77E-06	1.32E-06	4.07E-06
10298	436550.99	3763314.99	1.59E-05	5.42E-05	2.47E-06	8.85E-06	1.33E-06	4.10E-06
10299	436547.32	3763306.14	1.6E-05	5.47E-05	2.49E-06	8.93E-06	1.34E-06	4.14E-06
10300	436543.65	3763297.29	1.62E-05	5.52E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
10301	436539.98	3763288.44	1.63E-05	5.57E-05	2.54E-06	9.10E-06	1.37E-06	4.22E-06
10302	436536.31	3763279.6	1.65E-05	5.62E-05	2.56E-06	9.18E-06	1.38E-06	4.26E-06
10303	436532.64	3763270.75	1.66E-05	5.67E-05	2.59E-06	9.27E-06	1.39E-06	4.30E-06
10304	436528.96	3763261.9	1.68E-05	5.72E-05	2.61E-06	9.35E-06	1.41E-06	4.34E-06
10305	436525.29	3763253.05	1.69E-05	5.77E-05	2.63E-06	9.42E-06	1.42E-06	4.37E-06
10306	436521.62	3763244.2	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
10307	436517.95	3763235.36	1.71E-05	5.84E-05	2.66E-06	9.55E-06	1.43E-06	4.43E-06
10308	436514.28	3763226.51	1.72E-05	5.88E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
10309	436510.61	3763217.66	1.73E-05	5.91E-05	2.69E-06	9.66E-06	1.45E-06	4.48E-06
10310	436506.94	3763208.81	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
10311	436503.27	3763199.96	1.75E-05	5.97E-05	2.72E-06	9.76E-06	1.47E-06	4.53E-06
10312	436499.6	3763191.12	1.76E-05	6.00E-05	2.74E-06	9.81E-06	1.47E-06	4.55E-06
10313	436495.93	3763182.27	1.77E-05	6.03E-05	2.75E-06	9.85E-06	1.48E-06	4.57E-06
10314	436492.26	3763173.42	1.78E-05	6.06E-05	2.76E-06	9.89E-06	1.49E-06	4.59E-06
10315	436488.59	3763164.57	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.61E-06
10316	436484.92	3763155.72	1.79E-05	6.10E-05	2.78E-06	9.97E-06	1.50E-06	4.62E-06
10317	436481.25	3763146.88	1.79E-05	6.12E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
10318	436477.58	3763138.03	1.8E-05	6.14E-05	2.80E-06	1.00E-05	1.51E-06	4.65E-06
10319	436473.91	3763129.18	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
10320	436470.24	3763120.33	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
10321	436466.57	3763111.48	1.81E-05	6.18E-05	2.82E-06	1.01E-05	1.52E-06	4.68E-06
10322	436462.9	3763102.64	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
10323	436459.23	3763093.79	1.82E-05	6.20E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
10324	436455.56	3763084.94	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
10325	436451.89	3763076.09	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.71E-06
10326	436448.22	3763067.24	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10327	436444.55	3763058.4	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10328	436440.88	3763049.55	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10329	436437.21	3763040.7	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10330	436433.54	3763031.85	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10331	436429.87	3763023	1.82E-05	6.21E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10332	436426.2	3763014.16	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.71E-06
10333	436422.53	3763005.31	1.82E-05	6.20E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
10334	436418.85	3762996.46	1.82E-05	6.20E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
10335	436415.18	3762987.61	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
10336	436411.51	3762978.76	1.81E-05	6.18E-05	2.82E-06	1.01E-05	1.52E-06	4.68E-06
10337	436407.84	3762969.92	1.81E-05	6.18E-05	2.81E-06	1.01E-05	1.52E-06	4.68E-06
10338	436404.17	3762961.07	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
10339	436400.5	3762952.22	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
10340	436396.83	3762943.37	1.8E-05	6.14E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
10341	436393.16	3762934.52	1.8E-05	6.13E-05	2.79E-06	1.00E-05	1.51E-06	4.65E-06
10342	436389.49	3762925.68	1.8E-05	6.12E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
10343	436385.82	3762916.83	1.79E-05	6.11E-05	2.78E-06	9.98E-06	1.50E-06	4.63E-06
10344	436382.15	3762907.98	1.79E-05	6.09E-05	2.78E-06	9.95E-06	1.50E-06	4.62E-06

10345	437365.87	3763863.74	8.99E-06	3.07E-05	1.40E-06	5.01E-06	7.53E-07	2.32E-06
10346	437375.52	3763863.72	9.02E-06	3.08E-05	1.40E-06	5.03E-06	7.55E-07	2.33E-06
10347	437385.17	3763863.7	9.06E-06	3.09E-05	1.41E-06	5.05E-06	7.59E-07	2.34E-06
10348	437394.82	3763863.68	9.1E-06	3.10E-05	1.41E-06	5.07E-06	7.61E-07	2.35E-06
10349	437404.47	3763863.66	9.13E-06	3.11E-05	1.42E-06	5.09E-06	7.64E-07	2.36E-06
10350	437414.13	3763863.64	9.15E-06	3.12E-05	1.42E-06	5.10E-06	7.66E-07	2.36E-06
10351	437423.78	3763863.62	9.17E-06	3.13E-05	1.43E-06	5.11E-06	7.68E-07	2.37E-06
10352	437433.43	3763863.6	9.19E-06	3.14E-05	1.43E-06	5.12E-06	7.70E-07	2.38E-06
10353	437443.08	3763863.58	9.22E-06	3.14E-05	1.43E-06	5.13E-06	7.71E-07	2.38E-06
10354	437452.73	3763863.56	9.24E-06	3.15E-05	1.44E-06	5.15E-06	7.73E-07	2.39E-06
10355	437462.38	3763863.54	9.26E-06	3.16E-05	1.44E-06	5.16E-06	7.75E-07	2.39E-06
10356	437472.03	3763863.52	9.29E-06	3.17E-05	1.44E-06	5.17E-06	7.77E-07	2.40E-06
10357	437481.68	3763863.5	9.31E-06	3.17E-05	1.45E-06	5.19E-06	7.79E-07	2.41E-06
10358	437491.33	3763863.48	9.34E-06	3.19E-05	1.45E-06	5.20E-06	7.82E-07	2.41E-06
10359	437500.98	3763863.46	9.37E-06	3.20E-05	1.46E-06	5.22E-06	7.84E-07	2.42E-06
10360	437510.63	3763863.44	9.4E-06	3.20E-05	1.46E-06	5.23E-06	7.87E-07	2.43E-06
10361	437520.28	3763863.42	9.42E-06	3.21E-05	1.46E-06	5.25E-06	7.89E-07	2.44E-06
10362	437529.93	3763863.4	9.45E-06	3.22E-05	1.47E-06	5.27E-06	7.91E-07	2.44E-06
10363	437539.58	3763863.38	9.49E-06	3.23E-05	1.47E-06	5.28E-06	7.94E-07	2.45E-06
10364	437549.23	3763863.36	9.52E-06	3.25E-05	1.48E-06	5.30E-06	7.97E-07	2.46E-06
10365	437577.59	3763372.37	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.73E-06
10366	437579.64	3763402.3	2.98E-05	1.02E-04	4.63E-06	1.66E-05	2.49E-06	7.70E-06
10367	437581.45	3763432.24	2.67E-05	9.09E-05	4.14E-06	1.49E-05	2.23E-06	6.89E-06
10368	437583.5	3763462.17	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.01E-06	6.22E-06
10369	437586.14	3763502.09	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
10370	437591.23	3763581.92	1.73E-05	5.90E-05	2.69E-06	9.64E-06	1.45E-06	4.47E-06
10371	437582.11	3763582.23	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.43E-06
10372	437593.88	3763621.83	1.57E-05	5.35E-05	2.44E-06	8.74E-06	1.31E-06	4.06E-06
10373	437584.85	3763622.14	1.56E-05	5.32E-05	2.43E-06	8.69E-06	1.31E-06	4.03E-06
10374	437596.52	3763661.75	1.42E-05	4.83E-05	2.20E-06	7.90E-06	1.19E-06	3.66E-06
10375	437584.6	3763662.15	1.41E-05	4.80E-05	2.19E-06	7.84E-06	1.18E-06	3.64E-06
10376	437599.17	3763701.66	1.3E-05	4.42E-05	2.02E-06	7.23E-06	1.09E-06	3.35E-06
10377	437587.34	3763702.06	1.29E-05	4.40E-05	2.00E-06	7.18E-06	1.08E-06	3.33E-06
10378	437575.51	3763702.46	1.28E-05	4.38E-05	1.99E-06	7.15E-06	1.07E-06	3.32E-06
10379	437563.69	3763702.86	1.28E-05	4.36E-05	1.99E-06	7.13E-06	1.07E-06	3.31E-06
10380	437601.81	3763741.57	1.21E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
10381	437590.07	3763741.97	1.2E-05	4.09E-05	1.86E-06	6.67E-06	1.00E-06	3.10E-06
10382	437578.33	3763742.37	1.19E-05	4.06E-05	1.85E-06	6.64E-06	9.97E-07	3.08E-06
10383	437566.59	3763742.76	1.19E-05	4.05E-05	1.84E-06	6.61E-06	9.94E-07	3.07E-06
10384	437604.44	3763781.49	1.12E-05	3.82E-05	1.74E-06	6.25E-06	9.39E-07	2.90E-06
10385	437592.79	3763781.88	1.11E-05	3.80E-05	1.73E-06	6.20E-06	9.32E-07	2.88E-06
10386	437581.13	3763782.27	1.11E-05	3.77E-05	1.72E-06	6.16E-06	9.26E-07	2.86E-06
10387	437569.47	3763782.67	1.1E-05	3.76E-05	1.71E-06	6.14E-06	9.22E-07	2.85E-06
10388	437606.93	3763821.41	1.05E-05	3.58E-05	1.63E-06	5.84E-06	8.78E-07	2.71E-06
10389	437597.81	3763821.71	1.04E-05	3.56E-05	1.62E-06	5.81E-06	8.73E-07	2.69E-06
10390	437588.69	3763822.02	1.04E-05	3.53E-05	1.61E-06	5.77E-06	8.67E-07	2.68E-06
10391	437579.56	3763822.33	1.03E-05	3.52E-05	1.60E-06	5.74E-06	8.63E-07	2.66E-06
10392	437570.44	3763822.64	1.03E-05	3.50E-05	1.59E-06	5.71E-06	8.59E-07	2.65E-06
10393	437561.31	3763822.95	1.02E-05	3.48E-05	1.59E-06	5.69E-06	8.55E-07	2.64E-06
10394	437609.58	3763861.32	9.83E-06	3.35E-05	1.53E-06	5.48E-06	8.23E-07	2.54E-06
10395	437600.52	3763861.62	9.78E-06	3.33E-05	1.52E-06	5.45E-06	8.18E-07	2.53E-06
10396	437591.47	3763861.93	9.72E-06	3.31E-05	1.51E-06	5.41E-06	8.13E-07	2.51E-06

10397	437582.42	3763862.24	9.67E-06	3.30E-05	1.50E-06	5.38E-06	8.09E-07	2.50E-06
10398	437573.37	3763862.54	9.62E-06	3.28E-05	1.49E-06	5.36E-06	8.05E-07	2.48E-06
10399	437564.32	3763862.85	9.58E-06	3.27E-05	1.49E-06	5.34E-06	8.02E-07	2.47E-06
10400	438571.82	3763103.62	9.17E-05	3.13E-04	1.42E-05	5.11E-05	7.67E-06	2.37E-05
10401	439040.9	3762827.09	3.82E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.88E-06
10402	439034.59	3762788.53	3.72E-05	1.27E-04	5.78E-06	2.07E-05	3.11E-06	9.61E-06
10403	439031.09	3762754.17	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.33E-06
10404	439067.54	3762823.58	3.69E-05	1.26E-04	5.73E-06	2.06E-05	3.09E-06	9.53E-06
10405	439087.88	3762821.48	3.59E-05	1.23E-04	5.58E-06	2.00E-05	3.01E-06	9.29E-06
10406	439128.54	3762787.12	3.33E-05	1.13E-04	5.17E-06	1.85E-05	2.78E-06	8.59E-06
10407	439099.09	3762753.47	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.61E-06
10408	439061.23	3762756.98	3.49E-05	1.19E-04	5.43E-06	1.95E-05	2.92E-06	9.03E-06
10409	438582.11	3763253.07	8.31E-05	2.83E-04	1.29E-05	4.63E-05	6.96E-06	2.15E-05
10410	438605.24	3763253.77	8.04E-05	2.74E-04	1.25E-05	4.48E-05	6.73E-06	2.08E-05
10411	438633.97	3763255.87	7.72E-05	2.63E-04	1.20E-05	4.30E-05	6.46E-06	1.99E-05
10412	438655	3763255.87	7.51E-05	2.56E-04	1.17E-05	4.18E-05	6.28E-06	1.94E-05
10413	438669.02	3763249.56	7.37E-05	2.51E-04	1.14E-05	4.10E-05	6.17E-06	1.90E-05
10414	438687.94	3763260.78	7.13E-05	2.43E-04	1.11E-05	3.97E-05	5.96E-06	1.84E-05
10415	438687.94	3763248.86	7.18E-05	2.45E-04	1.12E-05	4.00E-05	6.01E-06	1.86E-05
10416	438688.64	3763215.92	7.32E-05	2.50E-04	1.14E-05	4.08E-05	6.12E-06	1.89E-05
10417	438716.68	3763216.62	7.02E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
10418	438721.59	3763197	7.01E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
10419	438722.29	3763173.16	7.05E-05	2.40E-04	1.10E-05	3.93E-05	5.90E-06	1.82E-05
10420	438725.09	3763150.74	7.05E-05	2.40E-04	1.09E-05	3.92E-05	5.90E-06	1.82E-05
10421	438711.07	3763121.3	7.21E-05	2.46E-04	1.12E-05	4.02E-05	6.04E-06	1.86E-05
10422	438683.04	3763114.99	7.55E-05	2.57E-04	1.17E-05	4.20E-05	6.32E-06	1.95E-05
10423	438697.76	3763097.47	7.36E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
10424	438640.28	3763091.86	8.11E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05

			T2			T2L3			T4f		
			832	437586.01							
					5.34E-07			8.63E-08			4.14E-08
	UTM X	UTM Y	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	437577	3762904	4.25E-08	1.45E-07	1.87E-07	6.61E-09	2.37E-08	3.03E-08	3.56E-09	1.10E-08	1.45E-08
2	437583.4	3762912	3.59E-08	1.22E-07	1.58E-07	5.58E-09	2.00E-08	2.56E-08	3.01E-09	9.28E-09	1.23E-08
3	437619.9	3762959	1.61E-08	5.50E-08	7.11E-08	2.51E-09	8.98E-09	1.15E-08	1.35E-09	4.17E-09	5.52E-09
4	437608.3	3762964	1.47E-08	5.02E-08	6.49E-08	2.29E-09	8.19E-09	1.05E-08	1.23E-09	3.80E-09	5.03E-09
5	437596.7	3762968	1.33E-08	4.52E-08	5.84E-08	2.06E-09	7.38E-09	9.44E-09	1.11E-09	3.42E-09	4.53E-09
6	437585.1	3762973	1.18E-08	4.03E-08	5.22E-08	1.84E-09	6.59E-09	8.43E-09	9.90E-10	3.06E-09	4.05E-09
7	437632	3762975	1.30E-08	4.42E-08	5.72E-08	2.02E-09	7.23E-09	9.24E-09	1.09E-09	3.35E-09	4.44E-09
8	437619.9	3762980	1.18E-08	4.02E-08	5.20E-08	1.83E-09	6.57E-09	8.40E-09	9.87E-10	3.05E-09	4.03E-09
9	437607.8	3762984	1.06E-08	3.62E-08	4.68E-08	1.65E-09	5.91E-09	7.55E-09	8.87E-10	2.74E-09	3.63E-09
10	437595.7	3762989	9.45E-09	3.22E-08	4.17E-08	1.47E-09	5.27E-09	6.73E-09	7.91E-10	2.44E-09	3.23E-09
11	437583.6	3762994	8.39E-09	2.86E-08	3.70E-08	1.30E-09	4.67E-09	5.97E-09	7.02E-10	2.17E-09	2.87E-09
12	437644.3	3762991	1.06E-08	3.62E-08	4.68E-08	1.65E-09	5.91E-09	7.56E-09	8.89E-10	2.74E-09	3.63E-09
13	437632.4	3762996	9.73E-09	3.32E-08	4.29E-08	1.51E-09	5.42E-09	6.93E-09	8.14E-10	2.51E-09	3.33E-09
14	437620.4	3763000	8.81E-09	3.00E-08	3.89E-08	1.37E-09	4.91E-09	6.28E-09	7.37E-10	2.28E-09	3.01E-09
15	437608.5	3763005	7.92E-09	2.70E-08	3.49E-08	1.23E-09	4.41E-09	5.64E-09	6.63E-10	2.05E-09	2.71E-09
16	437596.5	3763009	7.08E-09	2.41E-08	3.12E-08	1.10E-09	3.94E-09	5.05E-09	5.93E-10	1.83E-09	2.42E-09
17	437584.6	3763014	6.30E-09	2.15E-08	2.78E-08	9.80E-10	3.51E-09	4.49E-09	5.28E-10	1.63E-09	2.16E-09
18	437656.6	3763007	8.89E-09	3.03E-08	3.92E-08	1.38E-09	4.95E-09	6.33E-09	7.44E-10	2.30E-09	3.04E-09
19	437644.8	3763011	8.18E-09	2.79E-08	3.61E-08	1.27E-09	4.56E-09	5.83E-09	6.85E-10	2.11E-09	2.80E-09
20	437633	3763016	7.45E-09	2.54E-08	3.28E-08	1.16E-09	4.15E-09	5.31E-09	6.23E-10	1.92E-09	2.55E-09
21	437621.1	3763020	6.73E-09	2.30E-08	2.97E-08	1.05E-09	3.75E-09	4.80E-09	5.63E-10	1.74E-09	2.30E-09
22	437609.3	3763025	6.05E-09	2.06E-08	2.67E-08	9.41E-10	3.37E-09	4.31E-09	5.07E-10	1.56E-09	2.07E-09
23	437597.5	3763029	5.44E-09	1.85E-08	2.40E-08	8.45E-10	3.03E-09	3.87E-09	4.55E-10	1.41E-09	1.86E-09
24	437585.7	3763034	4.89E-09	1.67E-08	2.15E-08	7.59E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
25	437620.1	3763041	5.12E-09	1.75E-08	2.26E-08	7.96E-10	2.85E-09	3.65E-09	4.29E-10	1.32E-09	1.75E-09
26	437607.9	3763046	4.62E-09	1.58E-08	2.04E-08	7.18E-10	2.58E-09	3.29E-09	3.87E-10	1.19E-09	1.58E-09
27	437595.8	3763050	4.17E-09	1.42E-08	1.84E-08	6.49E-10	2.33E-09	2.97E-09	3.49E-10	1.08E-09	1.43E-09
28	437583.6	3763055	3.77E-09	1.29E-08	1.66E-08	5.86E-10	2.10E-09	2.69E-09	3.16E-10	9.74E-10	1.29E-09
29	437644.9	3763052	4.87E-09	1.66E-08	2.15E-08	7.57E-10	2.71E-09	3.47E-09	4.08E-10	1.26E-09	1.67E-09
30	437632.9	3763057	4.43E-09	1.51E-08	1.95E-08	6.88E-10	2.47E-09	3.16E-09	3.71E-10	1.14E-09	1.52E-09
31	437620.8	3763061	4.03E-09	1.37E-08	1.78E-08	6.26E-10	2.24E-09	2.87E-09	3.37E-10	1.04E-09	1.38E-09
32	437608.8	3763066	3.67E-09	1.25E-08	1.62E-08	5.70E-10	2.04E-09	2.61E-09	3.07E-10	9.47E-10	1.25E-09
33	437596.7	3763070	3.33E-09	1.14E-08	1.47E-08	5.17E-10	1.86E-09	2.37E-09	2.79E-10	8.61E-10	1.14E-09
34	437584.7	3763075	3.03E-09	1.03E-08	1.34E-08	4.71E-10	1.69E-09	2.16E-09	2.54E-10	7.83E-10	1.04E-09
35	437693.4	3763054	5.36E-09	1.83E-08	2.36E-08	8.33E-10	2.99E-09	3.82E-09	4.49E-10	1.39E-09	1.83E-09
36	437681.4	3763059	4.98E-09	1.70E-08	2.20E-08	7.74E-10	2.77E-09	3.55E-09	4.17E-10	1.29E-09	1.70E-09
37	437669.5	3763063	4.60E-09	1.57E-08	2.03E-08	7.15E-10	2.56E-09	3.28E-09	3.85E-10	1.19E-09	1.57E-09
38	437657.5	3763068	4.21E-09	1.44E-08	1.86E-08	6.55E-10	2.35E-09	3.00E-09	3.53E-10	1.09E-09	1.44E-09
39	437645.6	3763072	3.85E-09	1.31E-08	1.70E-08	5.98E-10	2.14E-09	2.74E-09	3.22E-10	9.94E-10	1.32E-09
40	437633.6	3763077	3.51E-09	1.20E-08	1.55E-08	5.46E-10	1.96E-09	2.50E-09	2.94E-10	9.08E-10	1.20E-09
41	437621.7	3763081	3.22E-09	1.10E-08	1.42E-08	5.01E-10	1.79E-09	2.29E-09	2.70E-10	8.32E-10	1.10E-09
42	437609.7	3763086	2.95E-09	1.01E-08	1.30E-08	4.59E-10	1.64E-09	2.10E-09	2.47E-10	7.63E-10	1.01E-09
43	437597.8	3763091	2.69E-09	9.18E-09	1.19E-08	4.18E-10	1.50E-09	1.92E-09	2.25E-10	6.95E-10	9.21E-10
44	437585.8	3763095	2.46E-09	8.39E-09	1.09E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.36E-10	8.42E-10
45	437705.6	3763070	4.63E-09	1.58E-08	2.04E-08	7.19E-10	2.58E-09	3.30E-09	3.87E-10	1.20E-09	1.58E-09
46	437693.4	3763075	4.28E-09	1.46E-08	1.89E-08	6.66E-10	2.39E-09	3.05E-09	3.59E-10	1.11E-09	1.47E-09
47	437681.2	3763079	3.96E-09	1.35E-08	1.75E-08	6.15E-10	2.21E-09	2.82E-09	3.31E-10	1.02E-09	1.35E-09
48	437668.9	3763084	3.65E-09	1.25E-08	1.61E-08	5.68E-10	2.03E-09	2.60E-09	3.06E-10	9.44E-10	1.25E-09
49	437656.7	3763089	3.35E-09	1.14E-08	1.48E-08	5.20E-10	1.86E-09	2.38E-09	2.80E-10	8.65E-10	1.14E-09
50	437644.5	3763093	3.06E-09	1.04E-08	1.35E-08	4.76E-10	1.71E-09	2.18E-09	2.56E-10	7.91E-10	1.05E-09
51	437632.3	3763098	2.80E-09	9.56E-09	1.24E-08	4.36E-10	1.56E-09	2.00E-09	2.35E-10	7.24E-10	9.59E-10
52	437620.1	3763103	2.57E-09	8.76E-09	1.13E-08	3.99E-10	1.43E-09	1.83E-09	2.15E-10	6.64E-10	8.78E-10
53	437607.9	3763107	2.35E-09	8.02E-09	1.04E-08	3.65E-10	1.31E-09	1.67E-09	1.97E-10	6.07E-10	8.04E-10
54	437595.7	3763112	2.15E-09	7.35E-09	9.50E-09	3.35E-10	1.20E-09	1.53E-09	1.80E-10	5.57E-10	7.37E-10
55	437705.8	3763090	3.76E-09	1.28E-08	1.66E-08	5.85E-10	2.10E-09	2.68E-09	3.15E-10	9.73E-10	1.29E-09
56	437693.6	3763095	3.49E-09	1.19E-08	1.54E-08	5.43E-10	1.95E-09	2.49E-09	2.92E-10	9.03E-10	1.20E-09
57	437681.5	3763100	3.23E-09	1.10E-08	1.42E-08	5.02E-10	1.80E-09	2.30E-09	2.70E-10	8.35E-10	1.11E-09

58	437669.4	3763104	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.49E-10	7.69E-10	1.02E-09
59	437657.3	3763109	2.74E-09	9.33E-09	1.21E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.07E-10	9.36E-10
60	437645.2	3763113	2.51E-09	8.56E-09	1.11E-08	3.90E-10	1.40E-09	1.79E-09	2.10E-10	6.48E-10	8.58E-10
61	437633.1	3763118	2.30E-09	7.84E-09	1.01E-08	3.57E-10	1.28E-09	1.64E-09	1.92E-10	5.94E-10	7.87E-10
62	437706.1	3763111	3.11E-09	1.06E-08	1.37E-08	4.83E-10	1.73E-09	2.22E-09	2.60E-10	8.04E-10	1.06E-09
63	437694.1	3763115	2.88E-09	9.83E-09	1.27E-08	4.48E-10	1.61E-09	2.05E-09	2.41E-10	7.45E-10	9.87E-10
64	437682.1	3763120	2.66E-09	9.08E-09	1.17E-08	4.14E-10	1.48E-09	1.90E-09	2.23E-10	6.88E-10	9.11E-10
65	437670	3763124	2.46E-09	8.38E-09	1.08E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.35E-10	8.40E-10
66	437621.9	3763143	1.75E-09	5.98E-09	7.74E-09	2.73E-10	9.77E-10	1.25E-09	1.47E-10	4.53E-10	6.00E-10
67	437609.9	3763147	1.62E-09	5.53E-09	7.15E-09	2.52E-10	9.03E-10	1.16E-09	1.36E-10	4.19E-10	5.55E-10
68	437597.9	3763152	1.52E-09	5.17E-09	6.68E-09	2.35E-10	8.44E-10	1.08E-09	1.27E-10	3.92E-10	5.18E-10
69	437585.9	3763156	1.42E-09	4.85E-09	6.27E-09	2.21E-10	7.92E-10	1.01E-09	1.19E-10	3.67E-10	4.86E-10
70	437748.5	3763125	2.99E-09	1.02E-08	1.32E-08	4.64E-10	1.66E-09	2.13E-09	2.50E-10	7.72E-10	1.02E-09
71	437628	3763171	1.43E-09	4.87E-09	6.29E-09	2.22E-10	7.95E-10	1.02E-09	1.19E-10	3.69E-10	4.88E-10
72	437616	3763176	1.33E-09	4.53E-09	5.86E-09	2.07E-10	7.41E-10	9.47E-10	1.11E-10	3.43E-10	4.55E-10
73	437603.9	3763180	1.25E-09	4.25E-09	5.50E-09	1.94E-10	6.95E-10	8.89E-10	1.04E-10	3.22E-10	4.27E-10
74	437591.9	3763185	1.18E-09	4.01E-09	5.19E-09	1.83E-10	6.55E-10	8.38E-10	9.84E-11	3.04E-10	4.02E-10
75	437579.8	3763189	1.11E-09	3.79E-09	4.90E-09	1.73E-10	6.19E-10	7.91E-10	9.30E-11	2.87E-10	3.80E-10
76	437766.9	3763149	2.53E-09	8.64E-09	1.12E-08	3.93E-10	1.41E-09	1.80E-09	2.12E-10	6.54E-10	8.66E-10
77	437754.9	3763154	2.37E-09	8.09E-09	1.05E-08	3.69E-10	1.32E-09	1.69E-09	1.99E-10	6.13E-10	8.11E-10
78	437742.8	3763158	2.22E-09	7.57E-09	9.79E-09	3.45E-10	1.24E-09	1.58E-09	1.86E-10	5.74E-10	7.60E-10
79	437730.7	3763163	2.08E-09	7.08E-09	9.16E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.37E-10	7.11E-10
80	437718.6	3763167	1.94E-09	6.62E-09	8.56E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.01E-10	6.64E-10
81	437706.6	3763172	1.81E-09	6.18E-09	7.99E-09	2.81E-10	1.01E-09	1.29E-09	1.52E-10	4.68E-10	6.19E-10
82	437694.5	3763177	1.68E-09	5.74E-09	7.42E-09	2.61E-10	9.37E-10	1.20E-09	1.41E-10	4.35E-10	5.76E-10
83	437682.4	3763181	1.56E-09	5.32E-09	6.88E-09	2.42E-10	8.69E-10	1.11E-09	1.31E-10	4.03E-10	5.34E-10
84	437670.3	3763186	1.45E-09	4.94E-09	6.39E-09	2.25E-10	8.07E-10	1.03E-09	1.21E-10	3.74E-10	4.96E-10
85	437658.3	3763190	1.35E-09	4.60E-09	5.95E-09	2.10E-10	7.51E-10	9.61E-10	1.13E-10	3.48E-10	4.61E-10
86	437622.1	3763204	1.11E-09	3.78E-09	4.89E-09	1.72E-10	6.18E-10	7.91E-10	9.29E-11	2.87E-10	3.80E-10
87	437610	3763209	1.05E-09	3.58E-09	4.63E-09	1.63E-10	5.84E-10	7.47E-10	8.78E-11	2.71E-10	3.59E-10
88	437597.9	3763213	9.91E-10	3.38E-09	4.37E-09	1.54E-10	5.52E-10	7.06E-10	8.30E-11	2.56E-10	3.39E-10
89	437585.8	3763218	9.39E-10	3.20E-09	4.14E-09	1.46E-10	5.23E-10	6.69E-10	7.86E-11	2.43E-10	3.21E-10
90	437785.3	3763173	2.18E-09	7.43E-09	9.61E-09	3.39E-10	1.21E-09	1.55E-09	1.82E-10	5.63E-10	7.46E-10
91	437773.2	3763177	2.04E-09	6.97E-09	9.02E-09	3.18E-10	1.14E-09	1.46E-09	1.71E-10	5.28E-10	6.99E-10
92	437761.1	3763182	1.91E-09	6.52E-09	8.43E-09	2.97E-10	1.06E-09	1.36E-09	1.60E-10	4.94E-10	6.54E-10
93	437749	3763187	1.79E-09	6.10E-09	7.89E-09	2.78E-10	9.96E-10	1.27E-09	1.50E-10	4.62E-10	6.12E-10
94	437736.9	3763191	1.67E-09	5.70E-09	7.37E-09	2.60E-10	9.31E-10	1.19E-09	1.40E-10	4.32E-10	5.72E-10
95	437724.9	3763196	1.56E-09	5.32E-09	6.88E-09	2.42E-10	8.69E-10	1.11E-09	1.31E-10	4.03E-10	5.34E-10
96	437712.8	3763200	1.46E-09	4.98E-09	6.44E-09	2.27E-10	8.13E-10	1.04E-09	1.22E-10	3.77E-10	4.99E-10
97	437700.7	3763205	1.37E-09	4.66E-09	6.03E-09	2.12E-10	7.61E-10	9.74E-10	1.14E-10	3.53E-10	4.68E-10
98	437688.6	3763209	1.28E-09	4.36E-09	5.63E-09	1.99E-10	7.12E-10	9.10E-10	1.07E-10	3.30E-10	4.37E-10
99	437676.5	3763214	1.20E-09	4.08E-09	5.28E-09	1.86E-10	6.67E-10	8.53E-10	1.00E-10	3.09E-10	4.10E-10
100	437664.4	3763219	1.12E-09	3.83E-09	4.95E-09	1.75E-10	6.26E-10	8.00E-10	9.40E-11	2.90E-10	3.84E-10
101	437628.1	3763232	9.41E-10	3.21E-09	4.15E-09	1.46E-10	5.24E-10	6.70E-10	7.87E-11	2.43E-10	3.22E-10
102	437616	3763237	8.91E-10	3.04E-09	3.93E-09	1.38E-10	4.96E-10	6.34E-10	7.45E-11	2.30E-10	3.05E-10
103	437603.9	3763242	8.45E-10	2.88E-09	3.73E-09	1.31E-10	4.71E-10	6.02E-10	7.08E-11	2.18E-10	2.89E-10
104	437591.9	3763246	8.04E-10	2.74E-09	3.55E-09	1.25E-10	4.48E-10	5.73E-10	6.73E-11	2.08E-10	2.75E-10
105	437579.8	3763251	7.67E-10	2.62E-09	3.38E-09	1.19E-10	4.27E-10	5.47E-10	6.42E-11	1.98E-10	2.62E-10
106	437791.6	3763201	1.79E-09	6.12E-09	7.91E-09	2.79E-10	9.99E-10	1.28E-09	1.50E-10	4.63E-10	6.14E-10
107	437779.5	3763206	1.68E-09	5.72E-09	7.40E-09	2.61E-10	9.35E-10	1.20E-09	1.40E-10	4.34E-10	5.74E-10
108	437767.4	3763210	1.57E-09	5.35E-09	6.91E-09	2.44E-10	8.73E-10	1.12E-09	1.31E-10	4.05E-10	5.36E-10
109	437755.3	3763215	1.46E-09	4.99E-09	6.46E-09	2.28E-10	8.16E-10	1.04E-09	1.23E-10	3.78E-10	5.01E-10
110	437743.2	3763219	1.35E-09	4.59E-09	5.94E-09	2.09E-10	7.50E-10	9.60E-10	1.13E-10	3.48E-10	4.61E-10
111	437670.5	3763247	9.49E-10	3.24E-09	4.18E-09	1.47E-10	5.29E-10	6.76E-10	7.94E-11	2.45E-10	3.25E-10
112	437658.4	3763252	8.96E-10	3.06E-09	3.95E-09	1.39E-10	4.99E-10	6.39E-10	7.50E-11	2.32E-10	3.07E-10
113	437646.3	3763256	8.49E-10	2.89E-09	3.74E-09	1.32E-10	4.73E-10	6.05E-10	7.10E-11	2.19E-10	2.90E-10
114	437634.2	3763261	8.05E-10	2.75E-09	3.55E-09	1.25E-10	4.49E-10	5.74E-10	6.74E-11	2.08E-10	2.75E-10
115	437622.1	3763265	7.65E-10	2.61E-09	3.37E-09	1.19E-10	4.26E-10	5.45E-10	6.40E-11	1.98E-10	2.62E-10
116	437610	3763270	7.28E-10	2.48E-09	3.21E-09	1.13E-10	4.06E-10	5.19E-10	6.09E-11	1.88E-10	2.49E-10
117	437597.9	3763275	6.95E-10	2.37E-09	3.06E-09	1.08E-10	3.87E-10	4.95E-10	5.81E-11	1.79E-10	2.38E-10
118	437585.8	3763279	6.64E-10	2.26E-09	2.93E-09	1.03E-10	3.70E-10	4.73E-10	5.56E-11	1.72E-10	2.27E-10

119	437749.4	3763248	1.12E-09	3.81E-09	4.93E-09	1.74E-10	6.23E-10	7.96E-10	9.36E-11	2.89E-10	3.82E-10
120	437737.2	3763252	1.05E-09	3.57E-09	4.62E-09	1.63E-10	5.84E-10	7.46E-10	8.77E-11	2.71E-10	3.58E-10
121	437725.1	3763257	9.87E-10	3.36E-09	4.35E-09	1.53E-10	5.50E-10	7.03E-10	8.26E-11	2.55E-10	3.37E-10
122	437713	3763262	9.34E-10	3.19E-09	4.12E-09	1.45E-10	5.20E-10	6.66E-10	7.82E-11	2.41E-10	3.20E-10
123	437700.9	3763266	9.01E-10	3.07E-09	3.97E-09	1.40E-10	5.02E-10	6.42E-10	7.54E-11	2.33E-10	3.08E-10
124	437688.8	3763271	8.55E-10	2.91E-09	3.77E-09	1.33E-10	4.76E-10	6.09E-10	7.15E-11	2.21E-10	2.92E-10
125	437676.6	3763275	8.11E-10	2.77E-09	3.58E-09	1.26E-10	4.52E-10	5.78E-10	6.79E-11	2.10E-10	2.77E-10
126	437664.5	3763280	7.69E-10	2.62E-09	3.39E-09	1.20E-10	4.29E-10	5.48E-10	6.44E-11	1.99E-10	2.63E-10
127	437652.4	3763285	7.30E-10	2.49E-09	3.22E-09	1.13E-10	4.06E-10	5.20E-10	6.11E-11	1.88E-10	2.50E-10
128	437640.3	3763289	6.93E-10	2.36E-09	3.05E-09	1.08E-10	3.86E-10	4.93E-10	5.80E-11	1.79E-10	2.37E-10
129	437628.1	3763294	6.61E-10	2.25E-09	2.91E-09	1.03E-10	3.68E-10	4.71E-10	5.53E-11	1.71E-10	2.26E-10
130	437616	3763298	6.32E-10	2.15E-09	2.79E-09	9.81E-11	3.52E-10	4.50E-10	5.29E-11	1.63E-10	2.16E-10
131	437603.9	3763303	6.00E-10	2.05E-09	2.65E-09	9.33E-11	3.34E-10	4.28E-10	5.03E-11	1.55E-10	2.05E-10
132	437591.8	3763308	5.81E-10	1.98E-09	2.56E-09	9.03E-11	3.24E-10	4.14E-10	4.87E-11	1.50E-10	1.99E-10
133	437840.5	3763244	1.47E-09	5.02E-09	6.49E-09	2.29E-10	8.20E-10	1.05E-09	1.23E-10	3.80E-10	5.04E-10
134	437828.3	3763248	1.39E-09	4.74E-09	6.14E-09	2.16E-10	7.75E-10	9.91E-10	1.16E-10	3.60E-10	4.76E-10
135	437816.2	3763253	1.31E-09	4.48E-09	5.79E-09	2.04E-10	7.32E-10	9.36E-10	1.10E-10	3.39E-10	4.49E-10
136	437804.1	3763258	1.23E-09	4.21E-09	5.44E-09	1.92E-10	6.87E-10	8.79E-10	1.03E-10	3.19E-10	4.22E-10
137	437791.9	3763262	1.16E-09	3.95E-09	5.11E-09	1.80E-10	6.45E-10	8.25E-10	9.70E-11	2.99E-10	3.96E-10
138	437779.8	3763267	1.07E-09	3.65E-09	4.72E-09	1.66E-10	5.96E-10	7.62E-10	8.96E-11	2.77E-10	3.66E-10
139	437767.7	3763272	1.00E-09	3.42E-09	4.42E-09	1.56E-10	5.59E-10	7.14E-10	8.39E-11	2.59E-10	3.43E-10
140	437755.5	3763276	9.43E-10	3.21E-09	4.16E-09	1.46E-10	5.25E-10	6.72E-10	7.89E-11	2.44E-10	3.22E-10
141	437743.4	3763281	8.92E-10	3.04E-09	3.93E-09	1.39E-10	4.97E-10	6.35E-10	7.47E-11	2.30E-10	3.05E-10
142	437731.3	3763285	8.61E-10	2.94E-09	3.80E-09	1.34E-10	4.80E-10	6.14E-10	7.21E-11	2.23E-10	2.95E-10
143	437719.1	3763290	8.18E-10	2.79E-09	3.61E-09	1.27E-10	4.56E-10	5.83E-10	6.85E-11	2.11E-10	2.80E-10
144	437707	3763295	7.78E-10	2.65E-09	3.43E-09	1.21E-10	4.34E-10	5.55E-10	6.52E-11	2.01E-10	2.66E-10
145	437694.9	3763299	7.41E-10	2.53E-09	3.27E-09	1.15E-10	4.13E-10	5.28E-10	6.20E-11	1.91E-10	2.53E-10
146	437682.7	3763304	7.04E-10	2.40E-09	3.10E-09	1.09E-10	3.92E-10	5.01E-10	5.89E-11	1.82E-10	2.41E-10
147	437670.6	3763308	6.70E-10	2.28E-09	2.95E-09	1.04E-10	3.73E-10	4.77E-10	5.60E-11	1.73E-10	2.29E-10
148	437658.5	3763313	6.37E-10	2.17E-09	2.81E-09	9.90E-11	3.55E-10	4.54E-10	5.33E-11	1.65E-10	2.18E-10
149	437646.3	3763318	6.07E-10	2.07E-09	2.68E-09	9.44E-11	3.38E-10	4.33E-10	5.08E-11	1.57E-10	2.08E-10
150	437585.7	3763341	5.00E-10	1.71E-09	2.21E-09	7.78E-11	2.79E-10	3.57E-10	4.19E-11	1.29E-10	1.71E-10
151	437858.9	3763268	1.30E-09	4.44E-09	5.74E-09	2.02E-10	7.25E-10	9.27E-10	1.09E-10	3.36E-10	4.45E-10
152	437846.7	3763272	1.23E-09	4.20E-09	5.44E-09	1.92E-10	6.87E-10	8.79E-10	1.03E-10	3.19E-10	4.22E-10
153	437834.6	3763277	1.17E-09	3.98E-09	5.15E-09	1.81E-10	6.50E-10	8.32E-10	9.77E-11	3.02E-10	3.99E-10
154	437822.4	3763281	1.10E-09	3.76E-09	4.86E-09	1.71E-10	6.14E-10	7.86E-10	9.23E-11	2.85E-10	3.77E-10
155	437810.3	3763286	1.04E-09	3.55E-09	4.59E-09	1.62E-10	5.79E-10	7.41E-10	8.71E-11	2.69E-10	3.56E-10
156	437798.1	3763291	9.81E-10	3.35E-09	4.33E-09	1.52E-10	5.47E-10	6.99E-10	8.21E-11	2.54E-10	3.36E-10
157	437786	3763295	9.09E-10	3.10E-09	4.01E-09	1.41E-10	5.06E-10	6.48E-10	7.61E-11	2.35E-10	3.11E-10
158	437773.9	3763300	8.55E-10	2.91E-09	3.77E-09	1.33E-10	4.76E-10	6.09E-10	7.15E-11	2.21E-10	2.92E-10
159	437761.7	3763304	8.06E-10	2.75E-09	3.55E-09	1.25E-10	4.49E-10	5.74E-10	6.74E-11	2.08E-10	2.76E-10
160	437749.6	3763309	7.67E-10	2.62E-09	3.38E-09	1.19E-10	4.28E-10	5.47E-10	6.42E-11	1.98E-10	2.63E-10
161	437737.4	3763314	7.45E-10	2.54E-09	3.29E-09	1.16E-10	4.15E-10	5.31E-10	6.24E-11	1.93E-10	2.55E-10
162	437725.3	3763318	7.12E-10	2.43E-09	3.14E-09	1.11E-10	3.96E-10	5.07E-10	5.96E-11	1.84E-10	2.43E-10
163	437664.6	3763341	5.63E-10	1.92E-09	2.48E-09	8.74E-11	3.13E-10	4.01E-10	4.71E-11	1.45E-10	1.92E-10
164	437652.4	3763346	5.40E-10	1.84E-09	2.38E-09	8.39E-11	3.01E-10	3.85E-10	4.52E-11	1.39E-10	1.85E-10
165	437640.3	3763351	5.19E-10	1.77E-09	2.29E-09	8.07E-11	2.89E-10	3.70E-10	4.34E-11	1.34E-10	1.78E-10
166	437628.1	3763355	5.00E-10	1.70E-09	2.20E-09	7.76E-11	2.78E-10	3.56E-10	4.18E-11	1.29E-10	1.71E-10
167	437616	3763360	4.82E-10	1.64E-09	2.12E-09	7.49E-11	2.68E-10	3.43E-10	4.03E-11	1.24E-10	1.65E-10
168	437603.8	3763364	4.65E-10	1.59E-09	2.05E-09	7.23E-11	2.59E-10	3.31E-10	3.89E-11	1.20E-10	1.59E-10
169	437591.7	3763369	4.50E-10	1.53E-09	1.98E-09	6.99E-11	2.50E-10	3.20E-10	3.76E-11	1.16E-10	1.54E-10
170	437877.3	3763291	1.17E-09	3.98E-09	5.14E-09	1.81E-10	6.49E-10	8.31E-10	9.76E-11	3.01E-10	3.99E-10
171	437865.1	3763296	1.11E-09	3.77E-09	4.87E-09	1.72E-10	6.16E-10	7.87E-10	9.25E-11	2.86E-10	3.78E-10
172	437853	3763301	1.05E-09	3.57E-09	4.62E-09	1.63E-10	5.83E-10	7.46E-10	8.76E-11	2.71E-10	3.58E-10
173	437840.8	3763305	9.90E-10	3.38E-09	4.37E-09	1.54E-10	5.52E-10	7.06E-10	8.29E-11	2.56E-10	3.39E-10
174	437828.6	3763310	9.20E-10	3.14E-09	4.06E-09	1.43E-10	5.13E-10	6.56E-10	7.70E-11	2.38E-10	3.15E-10
175	437816.5	3763314	8.67E-10	2.96E-09	3.82E-09	1.35E-10	4.83E-10	6.18E-10	7.26E-11	2.24E-10	2.97E-10
176	437804.3	3763319	8.19E-10	2.79E-09	3.61E-09	1.27E-10	4.56E-10	5.83E-10	6.85E-11	2.12E-10	2.80E-10
177	437743.6	3763342	6.35E-10	2.17E-09	2.80E-09	9.87E-11	3.54E-10	4.52E-10	5.32E-11	1.64E-10	2.17E-10
178	437731.4	3763347	6.17E-10	2.10E-09	2.72E-09	9.59E-11	3.44E-10	4.40E-10	5.17E-11	1.59E-10	2.11E-10
179	437719.3	3763351	5.90E-10	2.01E-09	2.60E-09	9.17E-11	3.29E-10	4.21E-10	4.94E-11	1.53E-10	2.02E-10

180	437694.9	3763360	5.43E-10	1.85E-09	2.39E-09	8.43E-11	3.02E-10	3.87E-10	4.54E-11	1.40E-10	1.86E-10
181	437682.8	3763365	5.21E-10	1.78E-09	2.30E-09	8.09E-11	2.90E-10	3.71E-10	4.36E-11	1.35E-10	1.78E-10
182	437670.6	3763370	5.00E-10	1.71E-09	2.21E-09	7.77E-11	2.79E-10	3.56E-10	4.19E-11	1.29E-10	1.71E-10
183	437658.5	3763374	4.81E-10	1.64E-09	2.12E-09	7.48E-11	2.68E-10	3.43E-10	4.03E-11	1.24E-10	1.65E-10
184	437646.3	3763379	4.64E-10	1.58E-09	2.05E-09	7.21E-11	2.58E-10	3.30E-10	3.88E-11	1.20E-10	1.59E-10
185	437634.2	3763384	4.48E-10	1.53E-09	1.98E-09	6.96E-11	2.50E-10	3.19E-10	3.75E-11	1.16E-10	1.53E-10
186	437622	3763388	4.33E-10	1.48E-09	1.91E-09	6.72E-11	2.41E-10	3.08E-10	3.62E-11	1.12E-10	1.48E-10
187	437609.9	3763393	4.18E-10	1.42E-09	1.84E-09	6.49E-11	2.33E-10	2.97E-10	3.49E-11	1.08E-10	1.43E-10
188	437597.7	3763397	4.03E-10	1.38E-09	1.78E-09	6.27E-11	2.25E-10	2.87E-10	3.38E-11	1.04E-10	1.38E-10
189	437895.7	3763315	1.05E-09	3.58E-09	4.63E-09	1.63E-10	5.84E-10	7.48E-10	8.78E-11	2.71E-10	3.59E-10
190	437883.5	3763320	9.97E-10	3.40E-09	4.40E-09	1.55E-10	5.55E-10	7.10E-10	8.34E-11	2.58E-10	3.41E-10
191	437834.8	3763338	7.91E-10	2.70E-09	3.49E-09	1.23E-10	4.40E-10	5.63E-10	6.62E-11	2.04E-10	2.71E-10
192	437822.7	3763343	7.47E-10	2.55E-09	3.29E-09	1.16E-10	4.16E-10	5.32E-10	6.25E-11	1.93E-10	2.55E-10
193	437810.5	3763347	7.08E-10	2.41E-09	3.12E-09	1.10E-10	3.94E-10	5.04E-10	5.92E-11	1.83E-10	2.42E-10
194	437798.3	3763352	6.72E-10	2.29E-09	2.96E-09	1.04E-10	3.74E-10	4.79E-10	5.62E-11	1.74E-10	2.30E-10
195	437786.2	3763357	6.38E-10	2.18E-09	2.81E-09	9.91E-11	3.55E-10	4.55E-10	5.34E-11	1.65E-10	2.18E-10
196	437774	3763361	6.08E-10	2.07E-09	2.68E-09	9.44E-11	3.39E-10	4.33E-10	5.09E-11	1.57E-10	2.08E-10
197	437761.9	3763366	5.81E-10	1.98E-09	2.56E-09	9.02E-11	3.23E-10	4.14E-10	4.86E-11	1.50E-10	1.99E-10
198	437749.7	3763370	5.57E-10	1.90E-09	2.46E-09	8.65E-11	3.10E-10	3.97E-10	4.66E-11	1.44E-10	1.91E-10
199	437737.5	3763375	5.35E-10	1.82E-09	2.36E-09	8.31E-11	2.98E-10	3.81E-10	4.48E-11	1.38E-10	1.83E-10
200	437725.4	3763380	5.22E-10	1.78E-09	2.30E-09	8.11E-11	2.91E-10	3.72E-10	4.37E-11	1.35E-10	1.78E-10
201	437688.9	3763393	4.65E-10	1.59E-09	2.05E-09	7.23E-11	2.59E-10	3.32E-10	3.90E-11	1.20E-10	1.59E-10
202	437676.7	3763398	4.49E-10	1.53E-09	1.98E-09	6.98E-11	2.50E-10	3.20E-10	3.76E-11	1.16E-10	1.54E-10
203	437664.5	3763403	4.34E-10	1.48E-09	1.92E-09	6.75E-11	2.42E-10	3.09E-10	3.64E-11	1.12E-10	1.49E-10
204	437652.4	3763407	4.20E-10	1.43E-09	1.85E-09	6.53E-11	2.34E-10	2.99E-10	3.52E-11	1.09E-10	1.44E-10
205	437640.2	3763412	4.06E-10	1.39E-09	1.79E-09	6.32E-11	2.26E-10	2.90E-10	3.40E-11	1.05E-10	1.39E-10
206	437628.1	3763417	3.91E-10	1.33E-09	1.73E-09	6.08E-11	2.18E-10	2.79E-10	3.27E-11	1.01E-10	1.34E-10
207	437615.9	3763421	3.77E-10	1.29E-09	1.66E-09	5.86E-11	2.10E-10	2.69E-10	3.16E-11	9.74E-11	1.29E-10
208	437603.7	3763426	3.63E-10	1.24E-09	1.60E-09	5.63E-11	2.02E-10	2.58E-10	3.03E-11	9.37E-11	1.24E-10
209	437591.6	3763430	3.51E-10	1.20E-09	1.55E-09	5.45E-11	1.96E-10	2.50E-10	2.94E-11	9.07E-11	1.20E-10
210	437914	3763339	9.36E-10	3.19E-09	4.13E-09	1.45E-10	5.22E-10	6.67E-10	7.84E-11	2.42E-10	3.20E-10
211	437901.9	3763343	8.88E-10	3.03E-09	3.91E-09	1.38E-10	4.94E-10	6.32E-10	7.43E-11	2.29E-10	3.04E-10
212	437889.7	3763348	8.41E-10	2.87E-09	3.71E-09	1.31E-10	4.69E-10	6.00E-10	7.04E-11	2.17E-10	2.88E-10
213	437877.5	3763353	7.99E-10	2.72E-09	3.52E-09	1.24E-10	4.45E-10	5.69E-10	6.69E-11	2.06E-10	2.73E-10
214	437865.4	3763357	7.60E-10	2.59E-09	3.35E-09	1.18E-10	4.23E-10	5.42E-10	6.36E-11	1.96E-10	2.60E-10
215	437853.2	3763362	7.23E-10	2.46E-09	3.19E-09	1.12E-10	4.03E-10	5.15E-10	6.05E-11	1.87E-10	2.47E-10
216	437841	3763366	6.84E-10	2.33E-09	3.02E-09	1.06E-10	3.81E-10	4.87E-10	5.72E-11	1.77E-10	2.34E-10
217	437828.8	3763371	6.47E-10	2.20E-09	2.85E-09	1.00E-10	3.60E-10	4.61E-10	5.41E-11	1.67E-10	2.21E-10
218	437816.7	3763376	6.13E-10	2.09E-09	2.70E-09	9.52E-11	3.41E-10	4.37E-10	5.13E-11	1.58E-10	2.10E-10
219	437804.5	3763380	5.83E-10	1.99E-09	2.57E-09	9.06E-11	3.25E-10	4.15E-10	4.88E-11	1.51E-10	1.99E-10
220	437792.3	3763385	5.56E-10	1.90E-09	2.45E-09	8.64E-11	3.10E-10	3.96E-10	4.65E-11	1.44E-10	1.90E-10
221	437780.2	3763390	5.33E-10	1.82E-09	2.35E-09	8.28E-11	2.97E-10	3.79E-10	4.46E-11	1.38E-10	1.82E-10
222	437768	3763394	5.12E-10	1.75E-09	2.26E-09	7.96E-11	2.85E-10	3.65E-10	4.29E-11	1.32E-10	1.75E-10
223	437755.8	3763399	4.93E-10	1.68E-09	2.17E-09	7.66E-11	2.75E-10	3.51E-10	4.13E-11	1.27E-10	1.69E-10
224	437743.6	3763403	4.74E-10	1.62E-09	2.09E-09	7.36E-11	2.64E-10	3.38E-10	3.97E-11	1.22E-10	1.62E-10
225	437731.5	3763408	4.56E-10	1.55E-09	2.01E-09	7.08E-11	2.54E-10	3.25E-10	3.81E-11	1.18E-10	1.56E-10
226	437719.3	3763413	4.41E-10	1.50E-09	1.94E-09	6.85E-11	2.46E-10	3.14E-10	3.69E-11	1.14E-10	1.51E-10
227	437695	3763422	4.18E-10	1.42E-09	1.84E-09	6.49E-11	2.33E-10	2.98E-10	3.50E-11	1.08E-10	1.43E-10
228	437682.8	3763426	4.05E-10	1.38E-09	1.78E-09	6.29E-11	2.25E-10	2.88E-10	3.39E-11	1.05E-10	1.38E-10
229	437670.6	3763431	3.93E-10	1.34E-09	1.73E-09	6.11E-11	2.19E-10	2.80E-10	3.29E-11	1.02E-10	1.34E-10
230	437658.4	3763436	3.80E-10	1.30E-09	1.67E-09	5.90E-11	2.12E-10	2.71E-10	3.18E-11	9.81E-11	1.30E-10
231	437646.3	3763440	3.67E-10	1.25E-09	1.62E-09	5.70E-11	2.05E-10	2.62E-10	3.07E-11	9.49E-11	1.26E-10
232	437634.1	3763445	3.54E-10	1.21E-09	1.56E-09	5.51E-11	1.97E-10	2.52E-10	2.97E-11	9.16E-11	1.21E-10
233	437621.9	3763450	3.41E-10	1.16E-09	1.50E-09	5.29E-11	1.90E-10	2.43E-10	2.85E-11	8.80E-11	1.17E-10
234	437609.8	3763454	3.30E-10	1.12E-09	1.45E-09	5.12E-11	1.84E-10	2.35E-10	2.76E-11	8.52E-11	1.13E-10
235	437597.6	3763459	3.20E-10	1.09E-09	1.41E-09	4.97E-11	1.78E-10	2.28E-10	2.68E-11	8.26E-11	1.09E-10
236	437938.6	3763370	8.24E-10	2.81E-09	3.64E-09	1.28E-10	4.59E-10	5.87E-10	6.90E-11	2.13E-10	2.82E-10
237	437926.5	3763375	7.84E-10	2.67E-09	3.46E-09	1.22E-10	4.37E-10	5.58E-10	6.56E-11	2.02E-10	2.68E-10
238	437914.4	3763379	7.45E-10	2.54E-09	3.29E-09	1.16E-10	4.15E-10	5.31E-10	6.24E-11	1.93E-10	2.55E-10
239	437902.3	3763384	7.09E-10	2.42E-09	3.13E-09	1.10E-10	3.95E-10	5.05E-10	5.94E-11	1.83E-10	2.43E-10
240	437890.2	3763389	6.75E-10	2.30E-09	2.98E-09	1.05E-10	3.76E-10	4.81E-10	5.65E-11	1.74E-10	2.31E-10

241	437878.2	3763393	6.43E-10	2.19E-09	2.84E-09	9.99E-11	3.58E-10	4.58E-10	5.38E-11	1.66E-10	2.20E-10
242	437866.1	3763398	6.12E-10	2.09E-09	2.70E-09	9.52E-11	3.41E-10	4.36E-10	5.13E-11	1.58E-10	2.10E-10
243	437854	3763402	5.84E-10	1.99E-09	2.58E-09	9.07E-11	3.25E-10	4.16E-10	4.89E-11	1.51E-10	2.00E-10
244	437841.9	3763407	5.56E-10	1.90E-09	2.45E-09	8.64E-11	3.10E-10	3.96E-10	4.65E-11	1.44E-10	1.90E-10
245	437829.8	3763412	5.29E-10	1.80E-09	2.33E-09	8.21E-11	2.94E-10	3.77E-10	4.42E-11	1.37E-10	1.81E-10
246	437817.7	3763416	5.03E-10	1.71E-09	2.22E-09	7.81E-11	2.80E-10	3.58E-10	4.21E-11	1.30E-10	1.72E-10
247	437805.6	3763421	4.79E-10	1.63E-09	2.11E-09	7.45E-11	2.67E-10	3.41E-10	4.01E-11	1.24E-10	1.64E-10
248	437745.2	3763444	3.98E-10	1.36E-09	1.76E-09	6.19E-11	2.22E-10	2.84E-10	3.33E-11	1.03E-10	1.36E-10
249	437733.1	3763448	3.86E-10	1.31E-09	1.70E-09	5.99E-11	2.15E-10	2.75E-10	3.23E-11	9.96E-11	1.32E-10
250	437721	3763453	3.75E-10	1.28E-09	1.65E-09	5.82E-11	2.09E-10	2.67E-10	3.14E-11	9.68E-11	1.28E-10
251	437696.9	3763462	3.55E-10	1.21E-09	1.56E-09	5.51E-11	1.98E-10	2.53E-10	2.97E-11	9.16E-11	1.21E-10
252	437684.8	3763467	3.44E-10	1.17E-09	1.52E-09	5.35E-11	1.92E-10	2.45E-10	2.88E-11	8.89E-11	1.18E-10
253	437672.7	3763471	3.34E-10	1.14E-09	1.47E-09	5.19E-11	1.86E-10	2.38E-10	2.79E-11	8.62E-11	1.14E-10
254	437660.6	3763476	3.24E-10	1.10E-09	1.43E-09	5.03E-11	1.81E-10	2.31E-10	2.71E-11	8.37E-11	1.11E-10
255	437648.5	3763480	3.15E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.63E-11	8.13E-11	1.08E-10
256	437636.4	3763485	3.06E-10	1.04E-09	1.35E-09	4.75E-11	1.70E-10	2.18E-10	2.56E-11	7.90E-11	1.05E-10
257	437624.3	3763490	2.97E-10	1.01E-09	1.31E-09	4.62E-11	1.65E-10	2.12E-10	2.49E-11	7.67E-11	1.02E-10
258	437612.2	3763494	2.89E-10	9.86E-10	1.27E-09	4.49E-11	1.61E-10	2.06E-10	2.42E-11	7.47E-11	9.89E-11
259	437600.2	3763499	2.82E-10	9.60E-10	1.24E-09	4.38E-11	1.57E-10	2.01E-10	2.36E-11	7.28E-11	9.63E-11
260	437951	3763406	6.90E-10	2.35E-09	3.04E-09	1.07E-10	3.84E-10	4.92E-10	5.78E-11	1.78E-10	2.36E-10
261	437938.8	3763411	6.60E-10	2.25E-09	2.91E-09	1.02E-10	3.67E-10	4.70E-10	5.52E-11	1.70E-10	2.26E-10
262	437926.7	3763416	6.30E-10	2.15E-09	2.78E-09	9.80E-11	3.51E-10	4.49E-10	5.28E-11	1.63E-10	2.16E-10
263	437914.5	3763420	6.02E-10	2.05E-09	2.66E-09	9.36E-11	3.36E-10	4.29E-10	5.04E-11	1.56E-10	2.06E-10
264	437853.8	3763443	4.74E-10	1.62E-09	2.09E-09	7.36E-11	2.64E-10	3.38E-10	3.97E-11	1.22E-10	1.62E-10
265	437841.7	3763448	4.53E-10	1.54E-09	2.00E-09	7.04E-11	2.52E-10	3.23E-10	3.79E-11	1.17E-10	1.55E-10
266	437829.5	3763453	4.33E-10	1.48E-09	1.91E-09	6.73E-11	2.41E-10	3.09E-10	3.63E-11	1.12E-10	1.48E-10
267	437817.4	3763457	4.16E-10	1.42E-09	1.83E-09	6.46E-11	2.32E-10	2.96E-10	3.48E-11	1.07E-10	1.42E-10
268	437805.2	3763462	4.01E-10	1.37E-09	1.77E-09	6.23E-11	2.23E-10	2.85E-10	3.35E-11	1.04E-10	1.37E-10
269	437793.1	3763466	3.87E-10	1.32E-09	1.71E-09	6.01E-11	2.15E-10	2.75E-10	3.24E-11	9.99E-11	1.32E-10
270	437780.9	3763471	3.74E-10	1.27E-09	1.65E-09	5.81E-11	2.08E-10	2.66E-10	3.13E-11	9.66E-11	1.28E-10
271	437768.8	3763476	3.62E-10	1.23E-09	1.60E-09	5.62E-11	2.02E-10	2.58E-10	3.03E-11	9.35E-11	1.24E-10
272	437756.6	3763480	3.51E-10	1.20E-09	1.55E-09	5.46E-11	1.96E-10	2.50E-10	2.94E-11	9.08E-11	1.20E-10
273	437744.5	3763485	3.42E-10	1.17E-09	1.51E-09	5.31E-11	1.90E-10	2.44E-10	2.86E-11	8.83E-11	1.17E-10
274	437732.4	3763489	3.33E-10	1.14E-09	1.47E-09	5.17E-11	1.85E-10	2.37E-10	2.79E-11	8.60E-11	1.14E-10
275	437720.2	3763494	3.24E-10	1.10E-09	1.43E-09	5.03E-11	1.81E-10	2.31E-10	2.71E-11	8.37E-11	1.11E-10
276	437695.9	3763503	3.07E-10	1.05E-09	1.35E-09	4.76E-11	1.71E-10	2.18E-10	2.57E-11	7.92E-11	1.05E-10
277	437683.8	3763508	2.98E-10	1.02E-09	1.32E-09	4.64E-11	1.66E-10	2.13E-10	2.50E-11	7.71E-11	1.02E-10
278	437671.6	3763513	2.91E-10	9.91E-10	1.28E-09	4.52E-11	1.62E-10	2.07E-10	2.43E-11	7.51E-11	9.95E-11
279	437659.5	3763517	2.83E-10	9.65E-10	1.25E-09	4.39E-11	1.58E-10	2.02E-10	2.37E-11	7.31E-11	9.68E-11
280	437647.3	3763522	2.75E-10	9.39E-10	1.21E-09	4.28E-11	1.53E-10	1.96E-10	2.30E-11	7.11E-11	9.42E-11
281	437635.2	3763526	2.68E-10	9.15E-10	1.18E-09	4.17E-11	1.49E-10	1.91E-10	2.24E-11	6.93E-11	9.17E-11
282	437987.6	3763433	6.47E-10	2.21E-09	2.85E-09	1.00E-10	3.60E-10	4.61E-10	5.41E-11	1.67E-10	2.21E-10
283	437951	3763447	5.64E-10	1.92E-09	2.49E-09	8.76E-11	3.14E-10	4.02E-10	4.72E-11	1.46E-10	1.93E-10
284	437938.8	3763452	5.39E-10	1.84E-09	2.38E-09	8.37E-11	3.00E-10	3.84E-10	4.51E-11	1.39E-10	1.84E-10
285	437926.6	3763457	5.16E-10	1.76E-09	2.28E-09	8.02E-11	2.88E-10	3.68E-10	4.32E-11	1.33E-10	1.77E-10
286	437914.4	3763461	4.96E-10	1.69E-09	2.19E-09	7.71E-11	2.76E-10	3.54E-10	4.15E-11	1.28E-10	1.70E-10
287	437902.2	3763466	4.76E-10	1.62E-09	2.10E-09	7.39E-11	2.65E-10	3.39E-10	3.98E-11	1.23E-10	1.63E-10
288	437890	3763471	4.55E-10	1.55E-09	2.00E-09	7.06E-11	2.53E-10	3.24E-10	3.80E-11	1.17E-10	1.55E-10
289	437877.8	3763475	4.35E-10	1.48E-09	1.92E-09	6.76E-11	2.42E-10	3.10E-10	3.64E-11	1.12E-10	1.49E-10
290	437865.6	3763480	4.16E-10	1.42E-09	1.84E-09	6.47E-11	2.32E-10	2.97E-10	3.49E-11	1.08E-10	1.42E-10
291	437853.5	3763484	3.99E-10	1.36E-09	1.76E-09	6.20E-11	2.22E-10	2.84E-10	3.34E-11	1.03E-10	1.36E-10
292	437841.3	3763489	3.83E-10	1.31E-09	1.69E-09	5.95E-11	2.13E-10	2.73E-10	3.20E-11	9.89E-11	1.31E-10
293	437829.1	3763494	3.68E-10	1.26E-09	1.62E-09	5.72E-11	2.05E-10	2.62E-10	3.08E-11	9.51E-11	1.26E-10
294	437816.9	3763498	3.55E-10	1.21E-09	1.57E-09	5.52E-11	1.98E-10	2.53E-10	2.97E-11	9.18E-11	1.21E-10
295	437804.7	3763503	3.44E-10	1.17E-09	1.52E-09	5.34E-11	1.92E-10	2.45E-10	2.88E-11	8.88E-11	1.18E-10
296	437792.5	3763508	3.34E-10	1.14E-09	1.47E-09	5.18E-11	1.86E-10	2.38E-10	2.79E-11	8.62E-11	1.14E-10
297	437780.3	3763512	3.24E-10	1.11E-09	1.43E-09	5.04E-11	1.81E-10	2.31E-10	2.72E-11	8.38E-11	1.11E-10
298	437768.1	3763517	3.16E-10	1.08E-09	1.39E-09	4.90E-11	1.76E-10	2.25E-10	2.64E-11	8.15E-11	1.08E-10
299	437755.9	3763521	3.07E-10	1.05E-09	1.35E-09	4.77E-11	1.71E-10	2.19E-10	2.57E-11	7.93E-11	1.05E-10
300	437743.7	3763526	2.99E-10	1.02E-09	1.32E-09	4.64E-11	1.66E-10	2.13E-10	2.50E-11	7.71E-11	1.02E-10
301	437731.5	3763531	2.91E-10	9.91E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.51E-11	9.94E-11

302	437682.7	3763549	2.64E-10	9.00E-10	1.16E-09	4.10E-11	1.47E-10	1.88E-10	2.21E-11	6.82E-11	9.02E-11
303	437670.5	3763554	2.57E-10	8.78E-10	1.14E-09	4.00E-11	1.43E-10	1.83E-10	2.16E-11	6.65E-11	8.81E-11
304	437658.3	3763558	2.51E-10	8.57E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.10E-11	6.50E-11	8.60E-11
305	437646.1	3763563	2.46E-10	8.37E-10	1.08E-09	3.82E-11	1.37E-10	1.75E-10	2.06E-11	6.35E-11	8.40E-11
306	437633.9	3763568	2.40E-10	8.18E-10	1.06E-09	3.73E-11	1.34E-10	1.71E-10	2.01E-11	6.20E-11	8.20E-11
307	437621.7	3763572	2.35E-10	8.00E-10	1.03E-09	3.65E-11	1.31E-10	1.67E-10	1.96E-11	6.06E-11	8.03E-11
308	437609.5	3763577	2.30E-10	7.83E-10	1.01E-09	3.57E-11	1.28E-10	1.64E-10	1.92E-11	5.94E-11	7.86E-11
309	438012.2	3763465	5.86E-10	2.00E-09	2.58E-09	9.10E-11	3.26E-10	4.17E-10	4.90E-11	1.51E-10	2.00E-10
310	438000	3763470	5.63E-10	1.92E-09	2.48E-09	8.75E-11	3.14E-10	4.01E-10	4.71E-11	1.46E-10	1.93E-10
311	437987.9	3763474	5.38E-10	1.83E-09	2.37E-09	8.36E-11	3.00E-10	3.83E-10	4.50E-11	1.39E-10	1.84E-10
312	437951.5	3763488	4.73E-10	1.61E-09	2.09E-09	7.35E-11	2.64E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
313	437939.4	3763493	4.56E-10	1.55E-09	2.01E-09	7.08E-11	2.54E-10	3.25E-10	3.82E-11	1.18E-10	1.56E-10
314	437927.3	3763497	4.48E-10	1.53E-09	1.98E-09	6.97E-11	2.50E-10	3.19E-10	3.75E-11	1.16E-10	1.53E-10
315	437915.2	3763502	4.31E-10	1.47E-09	1.90E-09	6.70E-11	2.40E-10	3.07E-10	3.61E-11	1.11E-10	1.47E-10
316	437903	3763506	4.14E-10	1.41E-09	1.83E-09	6.43E-11	2.31E-10	2.95E-10	3.46E-11	1.07E-10	1.42E-10
317	437890.9	3763511	3.89E-10	1.33E-09	1.71E-09	6.04E-11	2.17E-10	2.77E-10	3.25E-11	1.00E-10	1.33E-10
318	437878.8	3763516	3.73E-10	1.27E-09	1.65E-09	5.80E-11	2.08E-10	2.66E-10	3.12E-11	9.64E-11	1.28E-10
319	437866.7	3763520	3.57E-10	1.22E-09	1.58E-09	5.55E-11	1.99E-10	2.55E-10	2.99E-11	9.24E-11	1.22E-10
320	437854.6	3763525	3.43E-10	1.17E-09	1.51E-09	5.33E-11	1.91E-10	2.44E-10	2.87E-11	8.87E-11	1.17E-10
321	437842.4	3763530	3.31E-10	1.13E-09	1.46E-09	5.14E-11	1.84E-10	2.36E-10	2.77E-11	8.55E-11	1.13E-10
322	437830.3	3763534	3.20E-10	1.09E-09	1.41E-09	4.97E-11	1.78E-10	2.28E-10	2.68E-11	8.26E-11	1.09E-10
323	437769.7	3763557	2.78E-10	9.48E-10	1.23E-09	4.32E-11	1.55E-10	1.98E-10	2.33E-11	7.19E-11	9.51E-11
324	437757.6	3763562	2.71E-10	9.23E-10	1.19E-09	4.20E-11	1.51E-10	1.93E-10	2.26E-11	6.99E-11	9.26E-11
325	437745.4	3763566	2.64E-10	9.00E-10	1.16E-09	4.10E-11	1.47E-10	1.88E-10	2.21E-11	6.82E-11	9.03E-11
326	437733.3	3763571	2.58E-10	8.79E-10	1.14E-09	4.00E-11	1.44E-10	1.84E-10	2.16E-11	6.66E-11	8.82E-11
327	437721.2	3763576	2.52E-10	8.60E-10	1.11E-09	3.92E-11	1.40E-10	1.80E-10	2.11E-11	6.51E-11	8.62E-11
328	437709.1	3763580	2.47E-10	8.42E-10	1.09E-09	3.83E-11	1.37E-10	1.76E-10	2.07E-11	6.38E-11	8.44E-11
329	437696.9	3763585	2.41E-10	8.23E-10	1.06E-09	3.75E-11	1.35E-10	1.72E-10	2.02E-11	6.24E-11	8.26E-11
330	437684.8	3763589	2.36E-10	8.06E-10	1.04E-09	3.67E-11	1.32E-10	1.68E-10	1.98E-11	6.11E-11	8.08E-11
331	437672.7	3763594	2.31E-10	7.89E-10	1.02E-09	3.59E-11	1.29E-10	1.65E-10	1.94E-11	5.98E-11	7.91E-11
332	437660.6	3763599	2.26E-10	7.70E-10	9.96E-10	3.51E-11	1.26E-10	1.61E-10	1.89E-11	5.83E-11	7.72E-11
333	437648.4	3763603	2.21E-10	7.52E-10	9.72E-10	3.43E-11	1.23E-10	1.57E-10	1.85E-11	5.70E-11	7.54E-11
334	437636.3	3763608	2.16E-10	7.35E-10	9.51E-10	3.35E-11	1.20E-10	1.54E-10	1.81E-11	5.57E-11	7.38E-11
335	437624.2	3763612	2.11E-10	7.21E-10	9.32E-10	3.29E-11	1.18E-10	1.51E-10	1.77E-11	5.46E-11	7.23E-11
336	437612.1	3763617	2.07E-10	7.07E-10	9.15E-10	3.22E-11	1.16E-10	1.48E-10	1.74E-11	5.36E-11	7.10E-11
337	438036.7	3763497	5.28E-10	1.80E-09	2.33E-09	8.20E-11	2.94E-10	3.76E-10	4.42E-11	1.36E-10	1.81E-10
338	438024.5	3763501	5.07E-10	1.73E-09	2.24E-09	7.88E-11	2.83E-10	3.61E-10	4.25E-11	1.31E-10	1.74E-10
339	438012.3	3763506	4.87E-10	1.66E-09	2.15E-09	7.57E-11	2.72E-10	3.47E-10	4.08E-11	1.26E-10	1.67E-10
340	438000.2	3763511	4.68E-10	1.60E-09	2.07E-09	7.28E-11	2.61E-10	3.34E-10	3.92E-11	1.21E-10	1.60E-10
341	437988	3763515	4.50E-10	1.54E-09	1.99E-09	7.00E-11	2.51E-10	3.21E-10	3.77E-11	1.16E-10	1.54E-10
342	437951.5	3763529	4.12E-10	1.41E-09	1.82E-09	6.40E-11	2.30E-10	2.94E-10	3.45E-11	1.06E-10	1.41E-10
343	437939.3	3763534	3.97E-10	1.35E-09	1.75E-09	6.17E-11	2.21E-10	2.83E-10	3.32E-11	1.03E-10	1.36E-10
344	437927.1	3763538	3.81E-10	1.30E-09	1.68E-09	5.92E-11	2.12E-10	2.71E-10	3.19E-11	9.85E-11	1.30E-10
345	437878.4	3763557	3.19E-10	1.09E-09	1.41E-09	4.96E-11	1.78E-10	2.27E-10	2.67E-11	8.24E-11	1.09E-10
346	437866.3	3763561	3.08E-10	1.05E-09	1.36E-09	4.78E-11	1.72E-10	2.19E-10	2.58E-11	7.96E-11	1.05E-10
347	437854.1	3763566	2.98E-10	1.02E-09	1.31E-09	4.63E-11	1.66E-10	2.12E-10	2.49E-11	7.70E-11	1.02E-10
348	437841.9	3763571	2.89E-10	9.86E-10	1.27E-09	4.49E-11	1.61E-10	2.06E-10	2.42E-11	7.47E-11	9.89E-11
349	437829.8	3763575	2.81E-10	9.59E-10	1.24E-09	4.37E-11	1.57E-10	2.00E-10	2.35E-11	7.26E-11	9.62E-11
350	437817.6	3763580	2.74E-10	9.33E-10	1.21E-09	4.25E-11	1.52E-10	1.95E-10	2.29E-11	7.07E-11	9.36E-11
351	437805.4	3763584	2.66E-10	9.07E-10	1.17E-09	4.14E-11	1.48E-10	1.90E-10	2.23E-11	6.88E-11	9.10E-11
352	437793.2	3763589	2.59E-10	8.83E-10	1.14E-09	4.03E-11	1.44E-10	1.85E-10	2.17E-11	6.69E-11	8.86E-11
353	437781.1	3763594	2.52E-10	8.61E-10	1.11E-09	3.92E-11	1.41E-10	1.80E-10	2.11E-11	6.52E-11	8.63E-11
354	437768.9	3763598	2.46E-10	8.40E-10	1.09E-09	3.83E-11	1.37E-10	1.75E-10	2.06E-11	6.36E-11	8.43E-11
355	437756.7	3763603	2.41E-10	8.21E-10	1.06E-09	3.74E-11	1.34E-10	1.72E-10	2.02E-11	6.22E-11	8.24E-11
356	437744.6	3763608	2.36E-10	8.04E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.09E-11	8.07E-11
357	437732.4	3763612	2.31E-10	7.88E-10	1.02E-09	3.59E-11	1.29E-10	1.65E-10	1.93E-11	5.97E-11	7.91E-11
358	437720.2	3763617	2.26E-10	7.72E-10	9.98E-10	3.52E-11	1.26E-10	1.61E-10	1.89E-11	5.85E-11	7.74E-11
359	437708	3763621	2.21E-10	7.55E-10	9.77E-10	3.44E-11	1.23E-10	1.58E-10	1.85E-11	5.72E-11	7.58E-11
360	437695.9	3763626	2.17E-10	7.39E-10	9.56E-10	3.37E-11	1.21E-10	1.54E-10	1.81E-11	5.60E-11	7.41E-11
361	437683.7	3763631	2.12E-10	7.21E-10	9.33E-10	3.29E-11	1.18E-10	1.51E-10	1.77E-11	5.47E-11	7.24E-11
362	437671.5	3763635	2.06E-10	7.03E-10	9.10E-10	3.20E-11	1.15E-10	1.47E-10	1.73E-11	5.33E-11	7.06E-11

363	437659.4	3763640	2.02E-10	6.88E-10	8.90E-10	3.13E-11	1.12E-10	1.44E-10	1.69E-11	5.21E-11	6.90E-11
364	437647.2	3763645	1.97E-10	6.73E-10	8.70E-10	3.07E-11	1.10E-10	1.41E-10	1.65E-11	5.10E-11	6.75E-11
365	437635	3763649	1.93E-10	6.59E-10	8.52E-10	3.00E-11	1.08E-10	1.38E-10	1.62E-11	4.99E-11	6.61E-11
366	437622.8	3763654	1.90E-10	6.47E-10	8.36E-10	2.95E-11	1.06E-10	1.35E-10	1.59E-11	4.90E-11	6.49E-11
367	437610.7	3763658	1.86E-10	6.34E-10	8.21E-10	2.89E-11	1.04E-10	1.33E-10	1.56E-11	4.81E-11	6.37E-11
368	438061.2	3763528	4.78E-10	1.63E-09	2.11E-09	7.42E-11	2.66E-10	3.40E-10	4.00E-11	1.23E-10	1.63E-10
369	438049.1	3763533	4.58E-10	1.56E-09	2.02E-09	7.12E-11	2.55E-10	3.26E-10	3.83E-11	1.18E-10	1.57E-10
370	438037	3763537	4.39E-10	1.50E-09	1.93E-09	6.81E-11	2.44E-10	3.12E-10	3.67E-11	1.13E-10	1.50E-10
371	437952.3	3763570	3.39E-10	1.16E-09	1.49E-09	5.27E-11	1.89E-10	2.42E-10	2.84E-11	8.76E-11	1.16E-10
372	437940.1	3763574	3.28E-10	1.12E-09	1.45E-09	5.10E-11	1.83E-10	2.34E-10	2.74E-11	8.47E-11	1.12E-10
373	437928	3763579	3.17E-10	1.08E-09	1.40E-09	4.92E-11	1.76E-10	2.26E-10	2.65E-11	8.19E-11	1.08E-10
374	437915.9	3763583	3.07E-10	1.05E-09	1.35E-09	4.77E-11	1.71E-10	2.19E-10	2.57E-11	7.93E-11	1.05E-10
375	437903.8	3763588	2.97E-10	1.01E-09	1.31E-09	4.62E-11	1.66E-10	2.12E-10	2.49E-11	7.68E-11	1.02E-10
376	437891.7	3763593	2.88E-10	9.83E-10	1.27E-09	4.48E-11	1.61E-10	2.05E-10	2.41E-11	7.45E-11	9.86E-11
377	437879.6	3763597	2.80E-10	9.54E-10	1.23E-09	4.35E-11	1.56E-10	1.99E-10	2.34E-11	7.23E-11	9.57E-11
378	437867.5	3763602	2.71E-10	9.25E-10	1.20E-09	4.22E-11	1.51E-10	1.93E-10	2.27E-11	7.01E-11	9.28E-11
379	437855.4	3763606	2.64E-10	8.99E-10	1.16E-09	4.09E-11	1.47E-10	1.88E-10	2.21E-11	6.81E-11	9.01E-11
380	437843.3	3763611	2.56E-10	8.74E-10	1.13E-09	3.98E-11	1.43E-10	1.83E-10	2.15E-11	6.62E-11	8.77E-11
381	437831.2	3763616	2.50E-10	8.51E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.45E-11	8.54E-11
382	437819.1	3763620	2.43E-10	8.29E-10	1.07E-09	3.78E-11	1.36E-10	1.73E-10	2.04E-11	6.29E-11	8.32E-11
383	437807	3763625	2.38E-10	8.11E-10	1.05E-09	3.70E-11	1.33E-10	1.69E-10	1.99E-11	6.15E-11	8.14E-11
384	437794.9	3763629	2.33E-10	7.94E-10	1.03E-09	3.62E-11	1.30E-10	1.66E-10	1.95E-11	6.01E-11	7.96E-11
385	437782.8	3763634	2.28E-10	7.77E-10	1.00E-09	3.54E-11	1.27E-10	1.62E-10	1.91E-11	5.89E-11	7.79E-11
386	437770.6	3763639	2.23E-10	7.61E-10	9.84E-10	3.47E-11	1.24E-10	1.59E-10	1.87E-11	5.76E-11	7.63E-11
387	437758.5	3763643	2.19E-10	7.45E-10	9.64E-10	3.40E-11	1.22E-10	1.56E-10	1.83E-11	5.65E-11	7.48E-11
388	437746.4	3763648	2.14E-10	7.31E-10	9.46E-10	3.33E-11	1.19E-10	1.53E-10	1.79E-11	5.54E-11	7.33E-11
389	437734.3	3763652	2.10E-10	7.17E-10	9.28E-10	3.27E-11	1.17E-10	1.50E-10	1.76E-11	5.44E-11	7.20E-11
390	437722.2	3763657	2.06E-10	7.02E-10	9.08E-10	3.20E-11	1.15E-10	1.47E-10	1.72E-11	5.32E-11	7.05E-11
391	437710.1	3763662	2.01E-10	6.87E-10	8.88E-10	3.13E-11	1.12E-10	1.44E-10	1.69E-11	5.21E-11	6.89E-11
392	437698	3763666	1.97E-10	6.71E-10	8.68E-10	3.06E-11	1.10E-10	1.40E-10	1.65E-11	5.09E-11	6.74E-11
393	437685.9	3763671	1.93E-10	6.56E-10	8.49E-10	2.99E-11	1.07E-10	1.37E-10	1.61E-11	4.97E-11	6.59E-11
394	437613.3	3763698	1.70E-10	5.80E-10	7.50E-10	2.64E-11	9.48E-11	1.21E-10	1.42E-11	4.40E-11	5.82E-11
395	438085.7	3763560	4.29E-10	1.46E-09	1.89E-09	6.67E-11	2.39E-10	3.06E-10	3.59E-11	1.11E-10	1.47E-10
396	438073.6	3763564	4.12E-10	1.41E-09	1.82E-09	6.41E-11	2.30E-10	2.94E-10	3.45E-11	1.07E-10	1.41E-10
397	438061.4	3763569	3.96E-10	1.35E-09	1.75E-09	6.16E-11	2.21E-10	2.82E-10	3.32E-11	1.02E-10	1.36E-10
398	438049.3	3763574	3.81E-10	1.30E-09	1.68E-09	5.92E-11	2.12E-10	2.72E-10	3.19E-11	9.85E-11	1.30E-10
399	438037.1	3763578	3.67E-10	1.25E-09	1.62E-09	5.70E-11	2.04E-10	2.61E-10	3.07E-11	9.47E-11	1.25E-10
400	438025	3763583	3.53E-10	1.20E-09	1.56E-09	5.48E-11	1.97E-10	2.51E-10	2.95E-11	9.12E-11	1.21E-10
401	438012.8	3763588	3.40E-10	1.16E-09	1.50E-09	5.28E-11	1.89E-10	2.42E-10	2.84E-11	8.78E-11	1.16E-10
402	438000.7	3763592	3.28E-10	1.12E-09	1.45E-09	5.09E-11	1.83E-10	2.33E-10	2.74E-11	8.47E-11	1.12E-10
403	437988.5	3763597	3.17E-10	1.08E-09	1.40E-09	4.93E-11	1.77E-10	2.26E-10	2.66E-11	8.20E-11	1.09E-10
404	437952.1	3763611	2.91E-10	9.92E-10	1.28E-09	4.52E-11	1.62E-10	2.07E-10	2.43E-11	7.52E-11	9.95E-11
405	437939.9	3763615	2.83E-10	9.65E-10	1.25E-09	4.40E-11	1.58E-10	2.02E-10	2.37E-11	7.31E-11	9.68E-11
406	437927.8	3763620	2.75E-10	9.39E-10	1.21E-09	4.28E-11	1.53E-10	1.96E-10	2.30E-11	7.11E-11	9.42E-11
407	437915.6	3763624	2.69E-10	9.16E-10	1.18E-09	4.17E-11	1.50E-10	1.91E-10	2.25E-11	6.94E-11	9.19E-11
408	437903.5	3763629	2.62E-10	8.92E-10	1.15E-09	4.07E-11	1.46E-10	1.86E-10	2.19E-11	6.76E-11	8.95E-11
409	437891.3	3763634	2.55E-10	8.69E-10	1.12E-09	3.96E-11	1.42E-10	1.82E-10	2.13E-11	6.59E-11	8.72E-11
410	437879.2	3763638	2.48E-10	8.47E-10	1.10E-09	3.86E-11	1.38E-10	1.77E-10	2.08E-11	6.42E-11	8.50E-11
411	437867	3763643	2.41E-10	8.23E-10	1.06E-09	3.75E-11	1.35E-10	1.72E-10	2.02E-11	6.24E-11	8.26E-11
412	437854.9	3763648	2.35E-10	8.01E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.97E-11	6.07E-11	8.04E-11
413	437842.7	3763652	2.29E-10	7.82E-10	1.01E-09	3.56E-11	1.28E-10	1.63E-10	1.92E-11	5.92E-11	7.84E-11
414	437830.6	3763657	2.24E-10	7.65E-10	9.90E-10	3.49E-11	1.25E-10	1.60E-10	1.88E-11	5.80E-11	7.68E-11
415	437818.4	3763661	2.20E-10	7.49E-10	9.69E-10	3.41E-11	1.22E-10	1.56E-10	1.84E-11	5.68E-11	7.51E-11
416	437806.3	3763666	2.15E-10	7.33E-10	9.48E-10	3.34E-11	1.20E-10	1.53E-10	1.80E-11	5.55E-11	7.35E-11
417	437794.1	3763671	2.10E-10	7.18E-10	9.28E-10	3.27E-11	1.17E-10	1.50E-10	1.76E-11	5.44E-11	7.20E-11
418	437721.2	3763698	1.87E-10	6.39E-10	8.26E-10	2.91E-11	1.04E-10	1.33E-10	1.57E-11	4.84E-11	6.41E-11
419	437709.1	3763703	1.84E-10	6.27E-10	8.11E-10	2.86E-11	1.02E-10	1.31E-10	1.54E-11	4.75E-11	6.29E-11
420	437696.9	3763707	1.80E-10	6.15E-10	7.95E-10	2.80E-11	1.00E-10	1.28E-10	1.51E-11	4.66E-11	6.17E-11
421	437684.8	3763712	1.77E-10	6.02E-10	7.79E-10	2.74E-11	9.84E-11	1.26E-10	1.48E-11	4.56E-11	6.04E-11
422	437672.6	3763717	1.73E-10	5.90E-10	7.62E-10	2.69E-11	9.63E-11	1.23E-10	1.45E-11	4.47E-11	5.91E-11
423	437660.5	3763721	1.69E-10	5.77E-10	7.47E-10	2.63E-11	9.43E-11	1.21E-10	1.42E-11	4.38E-11	5.79E-11

424	437648.3	3763726	1.66E-10	5.66E-10	7.32E-10	2.58E-11	9.24E-11	1.18E-10	1.39E-11	4.29E-11	5.68E-11
425	437636.1	3763731	1.63E-10	5.55E-10	7.18E-10	2.53E-11	9.07E-11	1.16E-10	1.36E-11	4.21E-11	5.57E-11
426	437624	3763735	1.60E-10	5.45E-10	7.05E-10	2.48E-11	8.91E-11	1.14E-10	1.34E-11	4.13E-11	5.47E-11
427	437611.8	3763740	1.57E-10	5.36E-10	6.93E-10	2.44E-11	8.75E-11	1.12E-10	1.31E-11	4.06E-11	5.37E-11
428	438110.2	3763591	3.94E-10	1.34E-09	1.74E-09	6.12E-11	2.20E-10	2.81E-10	3.30E-11	1.02E-10	1.35E-10
429	438098.1	3763596	3.80E-10	1.29E-09	1.67E-09	5.90E-11	2.12E-10	2.71E-10	3.18E-11	9.81E-11	1.30E-10
430	438085.9	3763601	3.66E-10	1.25E-09	1.61E-09	5.69E-11	2.04E-10	2.61E-10	3.06E-11	9.45E-11	1.25E-10
431	438073.7	3763605	3.52E-10	1.20E-09	1.55E-09	5.47E-11	1.96E-10	2.51E-10	2.95E-11	9.10E-11	1.20E-10
432	438061.5	3763610	3.39E-10	1.16E-09	1.49E-09	5.26E-11	1.89E-10	2.41E-10	2.84E-11	8.76E-11	1.16E-10
433	438049.3	3763615	3.26E-10	1.11E-09	1.44E-09	5.07E-11	1.82E-10	2.33E-10	2.73E-11	8.43E-11	1.12E-10
434	438037.1	3763619	3.15E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.63E-11	8.13E-11	1.08E-10
435	438024.9	3763624	3.04E-10	1.04E-09	1.34E-09	4.73E-11	1.70E-10	2.17E-10	2.55E-11	7.86E-11	1.04E-10
436	438012.7	3763628	2.95E-10	1.01E-09	1.30E-09	4.59E-11	1.64E-10	2.10E-10	2.47E-11	7.63E-11	1.01E-10
437	438000.5	3763633	2.87E-10	9.78E-10	1.26E-09	4.46E-11	1.60E-10	2.04E-10	2.40E-11	7.41E-11	9.81E-11
438	437988.3	3763638	2.79E-10	9.52E-10	1.23E-09	4.34E-11	1.56E-10	1.99E-10	2.34E-11	7.21E-11	9.55E-11
439	437951.8	3763652	2.59E-10	8.85E-10	1.14E-09	4.03E-11	1.45E-10	1.85E-10	2.17E-11	6.70E-11	8.87E-11
440	437939.6	3763656	2.53E-10	8.61E-10	1.11E-09	3.92E-11	1.41E-10	1.80E-10	2.11E-11	6.53E-11	8.64E-11
441	437927.4	3763661	2.46E-10	8.38E-10	1.08E-09	3.82E-11	1.37E-10	1.75E-10	2.06E-11	6.35E-11	8.41E-11
442	437915.2	3763666	2.40E-10	8.17E-10	1.06E-09	3.72E-11	1.33E-10	1.71E-10	2.01E-11	6.19E-11	8.20E-11
443	437903	3763670	2.34E-10	7.97E-10	1.03E-09	3.63E-11	1.30E-10	1.66E-10	1.96E-11	6.04E-11	7.99E-11
444	437829.9	3763698	2.03E-10	6.94E-10	8.97E-10	3.16E-11	1.13E-10	1.45E-10	1.70E-11	5.26E-11	6.96E-11
445	437817.7	3763703	1.99E-10	6.79E-10	8.79E-10	3.10E-11	1.11E-10	1.42E-10	1.67E-11	5.15E-11	6.82E-11
446	437805.5	3763707	1.95E-10	6.65E-10	8.61E-10	3.03E-11	1.09E-10	1.39E-10	1.63E-11	5.04E-11	6.68E-11
447	437793.3	3763712	1.91E-10	6.52E-10	8.43E-10	2.97E-11	1.06E-10	1.36E-10	1.60E-11	4.94E-11	6.54E-11
448	437781.1	3763716	1.87E-10	6.39E-10	8.27E-10	2.91E-11	1.04E-10	1.34E-10	1.57E-11	4.84E-11	6.41E-11
449	437768.9	3763721	1.84E-10	6.27E-10	8.11E-10	2.86E-11	1.03E-10	1.31E-10	1.54E-11	4.75E-11	6.29E-11
450	437756.7	3763726	1.81E-10	6.16E-10	7.97E-10	2.81E-11	1.01E-10	1.29E-10	1.51E-11	4.67E-11	6.18E-11
451	437744.5	3763730	1.78E-10	6.06E-10	7.83E-10	2.76E-11	9.90E-11	1.27E-10	1.49E-11	4.59E-11	6.08E-11
452	437732.3	3763735	1.75E-10	5.96E-10	7.70E-10	2.71E-11	9.73E-11	1.24E-10	1.46E-11	4.51E-11	5.97E-11
453	437720.1	3763740	1.71E-10	5.84E-10	7.56E-10	2.66E-11	9.55E-11	1.22E-10	1.43E-11	4.43E-11	5.86E-11
454	437707.9	3763744	1.68E-10	5.73E-10	7.41E-10	2.61E-11	9.36E-11	1.20E-10	1.41E-11	4.34E-11	5.75E-11
455	437695.8	3763749	1.65E-10	5.62E-10	7.27E-10	2.56E-11	9.18E-11	1.17E-10	1.38E-11	4.26E-11	5.64E-11
456	437683.6	3763753	1.62E-10	5.52E-10	7.13E-10	2.51E-11	9.01E-11	1.15E-10	1.35E-11	4.18E-11	5.53E-11
457	437671.4	3763758	1.59E-10	5.42E-10	7.01E-10	2.47E-11	8.85E-11	1.13E-10	1.33E-11	4.10E-11	5.43E-11
458	437659.2	3763763	1.56E-10	5.32E-10	6.88E-10	2.42E-11	8.69E-11	1.11E-10	1.31E-11	4.03E-11	5.33E-11
459	437647	3763767	1.53E-10	5.22E-10	6.75E-10	2.38E-11	8.53E-11	1.09E-10	1.28E-11	3.96E-11	5.24E-11
460	437634.8	3763772	1.50E-10	5.13E-10	6.63E-10	2.34E-11	8.38E-11	1.07E-10	1.26E-11	3.89E-11	5.14E-11
461	437622.6	3763777	1.48E-10	5.04E-10	6.52E-10	2.30E-11	8.23E-11	1.05E-10	1.24E-11	3.82E-11	5.06E-11
462	438134.8	3763623	3.64E-10	1.24E-09	1.60E-09	5.65E-11	2.03E-10	2.59E-10	3.04E-11	9.39E-11	1.24E-10
463	438122.7	3763628	3.51E-10	1.20E-09	1.55E-09	5.45E-11	1.95E-10	2.50E-10	2.93E-11	9.06E-11	1.20E-10
464	438110.5	3763632	3.39E-10	1.15E-09	1.49E-09	5.26E-11	1.89E-10	2.41E-10	2.83E-11	8.75E-11	1.16E-10
465	438098.4	3763637	3.27E-10	1.12E-09	1.44E-09	5.09E-11	1.82E-10	2.33E-10	2.74E-11	8.46E-11	1.12E-10
466	438086.3	3763641	3.16E-10	1.08E-09	1.39E-09	4.91E-11	1.76E-10	2.25E-10	2.65E-11	8.17E-11	1.08E-10
467	438074.1	3763646	3.04E-10	1.04E-09	1.34E-09	4.73E-11	1.70E-10	2.17E-10	2.55E-11	7.87E-11	1.04E-10
468	438062	3763651	2.93E-10	1.00E-09	1.29E-09	4.56E-11	1.63E-10	2.09E-10	2.45E-11	7.58E-11	1.00E-10
469	438049.9	3763655	2.83E-10	9.66E-10	1.25E-09	4.40E-11	1.58E-10	2.02E-10	2.37E-11	7.32E-11	9.69E-11
470	438037.7	3763660	2.74E-10	9.35E-10	1.21E-09	4.26E-11	1.53E-10	1.95E-10	2.29E-11	7.08E-11	9.38E-11
471	438025.6	3763665	2.66E-10	9.07E-10	1.17E-09	4.13E-11	1.48E-10	1.90E-10	2.23E-11	6.87E-11	9.10E-11
472	437940.6	3763697	2.22E-10	7.58E-10	9.80E-10	3.45E-11	1.24E-10	1.58E-10	1.86E-11	5.74E-11	7.60E-11
473	437928.5	3763701	2.17E-10	7.40E-10	9.57E-10	3.37E-11	1.21E-10	1.55E-10	1.82E-11	5.61E-11	7.42E-11
474	437916.4	3763706	2.12E-10	7.23E-10	9.35E-10	3.30E-11	1.18E-10	1.51E-10	1.78E-11	5.48E-11	7.25E-11
475	437904.2	3763711	2.08E-10	7.08E-10	9.15E-10	3.22E-11	1.16E-10	1.48E-10	1.74E-11	5.36E-11	7.10E-11
476	437892.1	3763715	2.03E-10	6.94E-10	8.97E-10	3.16E-11	1.13E-10	1.45E-10	1.70E-11	5.26E-11	6.96E-11
477	437880	3763720	2.00E-10	6.81E-10	8.80E-10	3.10E-11	1.11E-10	1.42E-10	1.67E-11	5.16E-11	6.83E-11
478	437867.8	3763724	1.96E-10	6.69E-10	8.65E-10	3.05E-11	1.09E-10	1.40E-10	1.64E-11	5.07E-11	6.71E-11
479	437855.7	3763729	1.93E-10	6.56E-10	8.49E-10	2.99E-11	1.07E-10	1.37E-10	1.61E-11	4.97E-11	6.59E-11
480	437843.6	3763734	1.89E-10	6.44E-10	8.33E-10	2.94E-11	1.05E-10	1.35E-10	1.58E-11	4.88E-11	6.46E-11
481	437831.4	3763738	1.86E-10	6.33E-10	8.18E-10	2.88E-11	1.03E-10	1.32E-10	1.55E-11	4.79E-11	6.35E-11
482	437819.3	3763743	1.82E-10	6.21E-10	8.03E-10	2.83E-11	1.01E-10	1.30E-10	1.52E-11	4.71E-11	6.23E-11
483	437807.2	3763747	1.79E-10	6.09E-10	7.88E-10	2.78E-11	9.95E-11	1.27E-10	1.50E-11	4.62E-11	6.11E-11
484	437795	3763752	1.75E-10	5.98E-10	7.73E-10	2.72E-11	9.76E-11	1.25E-10	1.47E-11	4.53E-11	5.99E-11

485	437782.9	3763757	1.72E-10	5.87E-10	7.59E-10	2.67E-11	9.59E-11	1.23E-10	1.44E-11	4.45E-11	5.89E-11
486	437770.8	3763761	1.69E-10	5.76E-10	7.46E-10	2.63E-11	9.42E-11	1.20E-10	1.42E-11	4.37E-11	5.78E-11
487	437758.6	3763766	1.66E-10	5.66E-10	7.32E-10	2.58E-11	9.25E-11	1.18E-10	1.39E-11	4.29E-11	5.68E-11
488	437746.5	3763770	1.63E-10	5.56E-10	7.20E-10	2.54E-11	9.09E-11	1.16E-10	1.37E-11	4.22E-11	5.58E-11
489	437734.4	3763775	1.60E-10	5.47E-10	7.07E-10	2.49E-11	8.93E-11	1.14E-10	1.34E-11	4.14E-11	5.49E-11
490	437722.2	3763780	1.58E-10	5.38E-10	6.95E-10	2.45E-11	8.78E-11	1.12E-10	1.32E-11	4.07E-11	5.39E-11
491	437710.1	3763784	1.55E-10	5.29E-10	6.84E-10	2.41E-11	8.64E-11	1.11E-10	1.30E-11	4.01E-11	5.31E-11
492	437698	3763789	1.53E-10	5.21E-10	6.74E-10	2.37E-11	8.51E-11	1.09E-10	1.28E-11	3.95E-11	5.23E-11
493	437685.8	3763793	1.50E-10	5.12E-10	6.63E-10	2.34E-11	8.37E-11	1.07E-10	1.26E-11	3.88E-11	5.14E-11
494	437673.7	3763798	1.48E-10	5.05E-10	6.53E-10	2.30E-11	8.25E-11	1.05E-10	1.24E-11	3.82E-11	5.06E-11
495	437661.6	3763803	1.46E-10	4.96E-10	6.42E-10	2.26E-11	8.11E-11	1.04E-10	1.22E-11	3.76E-11	4.98E-11
496	437649.4	3763807	1.43E-10	4.88E-10	6.31E-10	2.22E-11	7.97E-11	1.02E-10	1.20E-11	3.70E-11	4.89E-11
497	437637.3	3763812	1.41E-10	4.80E-10	6.20E-10	2.19E-11	7.83E-11	1.00E-10	1.18E-11	3.63E-11	4.81E-11
498	437625.2	3763817	1.38E-10	4.72E-10	6.10E-10	2.15E-11	7.70E-11	9.85E-11	1.16E-11	3.57E-11	4.73E-11
499	438159.3	3763655	3.37E-10	1.15E-09	1.48E-09	5.23E-11	1.87E-10	2.40E-10	2.82E-11	8.70E-11	1.15E-10
500	438147.1	3763659	3.25E-10	1.11E-09	1.43E-09	5.05E-11	1.81E-10	2.31E-10	2.72E-11	8.40E-11	1.11E-10
501	438135	3763664	3.14E-10	1.07E-09	1.38E-09	4.87E-11	1.75E-10	2.23E-10	2.63E-11	8.10E-11	1.07E-10
502	438122.8	3763669	3.03E-10	1.03E-09	1.34E-09	4.71E-11	1.69E-10	2.16E-10	2.54E-11	7.83E-11	1.04E-10
503	438037.6	3763701	2.40E-10	8.18E-10	1.06E-09	3.73E-11	1.34E-10	1.71E-10	2.01E-11	6.20E-11	8.20E-11
504	438025.4	3763705	2.33E-10	7.95E-10	1.03E-09	3.62E-11	1.30E-10	1.66E-10	1.95E-11	6.03E-11	7.98E-11
505	438013.2	3763710	2.27E-10	7.73E-10	1.00E-09	3.52E-11	1.26E-10	1.62E-10	1.90E-11	5.86E-11	7.76E-11
506	438001.1	3763715	2.21E-10	7.52E-10	9.73E-10	3.43E-11	1.23E-10	1.57E-10	1.85E-11	5.70E-11	7.55E-11
507	437988.9	3763719	2.16E-10	7.36E-10	9.52E-10	3.35E-11	1.20E-10	1.54E-10	1.81E-11	5.58E-11	7.39E-11
508	437976.7	3763724	2.12E-10	7.21E-10	9.33E-10	3.29E-11	1.18E-10	1.51E-10	1.77E-11	5.47E-11	7.24E-11
509	437940.2	3763738	1.98E-10	6.75E-10	8.73E-10	3.08E-11	1.10E-10	1.41E-10	1.66E-11	5.12E-11	6.77E-11
510	437928	3763742	1.94E-10	6.63E-10	8.57E-10	3.02E-11	1.08E-10	1.38E-10	1.63E-11	5.02E-11	6.65E-11
511	437915.9	3763747	1.91E-10	6.51E-10	8.41E-10	2.96E-11	1.06E-10	1.36E-10	1.60E-11	4.93E-11	6.53E-11
512	437903.7	3763752	1.87E-10	6.39E-10	8.26E-10	2.91E-11	1.04E-10	1.33E-10	1.57E-11	4.84E-11	6.41E-11
513	437891.5	3763756	1.84E-10	6.27E-10	8.11E-10	2.86E-11	1.02E-10	1.31E-10	1.54E-11	4.75E-11	6.29E-11
514	437879.4	3763761	1.81E-10	6.16E-10	7.96E-10	2.81E-11	1.01E-10	1.29E-10	1.51E-11	4.67E-11	6.18E-11
515	437867.2	3763766	1.77E-10	6.05E-10	7.82E-10	2.76E-11	9.88E-11	1.26E-10	1.48E-11	4.58E-11	6.07E-11
516	437855	3763770	1.74E-10	5.94E-10	7.68E-10	2.71E-11	9.70E-11	1.24E-10	1.46E-11	4.50E-11	5.96E-11
517	437842.8	3763775	1.71E-10	5.84E-10	7.56E-10	2.66E-11	9.55E-11	1.22E-10	1.43E-11	4.43E-11	5.86E-11
518	437830.7	3763779	1.69E-10	5.75E-10	7.44E-10	2.62E-11	9.39E-11	1.20E-10	1.41E-11	4.36E-11	5.77E-11
519	437818.5	3763784	1.66E-10	5.66E-10	7.31E-10	2.58E-11	9.24E-11	1.18E-10	1.39E-11	4.29E-11	5.67E-11
520	437806.3	3763789	1.63E-10	5.56E-10	7.20E-10	2.54E-11	9.09E-11	1.16E-10	1.37E-11	4.22E-11	5.58E-11
521	437794.2	3763793	1.61E-10	5.48E-10	7.08E-10	2.50E-11	8.95E-11	1.14E-10	1.34E-11	4.15E-11	5.49E-11
522	437782	3763798	1.58E-10	5.39E-10	6.97E-10	2.46E-11	8.81E-11	1.13E-10	1.32E-11	4.08E-11	5.41E-11
523	437769.8	3763803	1.56E-10	5.31E-10	6.86E-10	2.42E-11	8.67E-11	1.11E-10	1.30E-11	4.02E-11	5.32E-11
524	437757.6	3763807	1.53E-10	5.22E-10	6.76E-10	2.38E-11	8.53E-11	1.09E-10	1.28E-11	3.96E-11	5.24E-11
525	437745.5	3763812	1.51E-10	5.14E-10	6.65E-10	2.34E-11	8.40E-11	1.07E-10	1.26E-11	3.89E-11	5.16E-11
526	437733.3	3763816	1.48E-10	5.06E-10	6.55E-10	2.31E-11	8.27E-11	1.06E-10	1.24E-11	3.84E-11	5.08E-11
527	437721.1	3763821	1.46E-10	4.99E-10	6.45E-10	2.27E-11	8.15E-11	1.04E-10	1.22E-11	3.78E-11	5.00E-11
528	437709	3763826	1.44E-10	4.92E-10	6.36E-10	2.24E-11	8.03E-11	1.03E-10	1.21E-11	3.73E-11	4.93E-11
529	437696.8	3763830	1.42E-10	4.85E-10	6.27E-10	2.21E-11	7.92E-11	1.01E-10	1.19E-11	3.67E-11	4.86E-11
530	437684.6	3763835	1.40E-10	4.77E-10	6.17E-10	2.17E-11	7.79E-11	9.96E-11	1.17E-11	3.61E-11	4.78E-11
531	437672.4	3763839	1.38E-10	4.69E-10	6.07E-10	2.14E-11	7.67E-11	9.80E-11	1.15E-11	3.56E-11	4.71E-11
532	437660.3	3763844	1.35E-10	4.61E-10	5.96E-10	2.10E-11	7.53E-11	9.63E-11	1.13E-11	3.49E-11	4.62E-11
533	437648.1	3763849	1.33E-10	4.53E-10	5.86E-10	2.06E-11	7.40E-11	9.46E-11	1.11E-11	3.43E-11	4.54E-11
534	437635.9	3763853	1.31E-10	4.45E-10	5.76E-10	2.03E-11	7.27E-11	9.30E-11	1.09E-11	3.37E-11	4.47E-11
535	437623.8	3763858	1.29E-10	4.39E-10	5.67E-10	2.00E-11	7.17E-11	9.17E-11	1.08E-11	3.32E-11	4.40E-11
536	437601	3762897	4.61E-08	1.57E-07	2.03E-07	7.17E-09	2.57E-08	3.29E-08	3.86E-09	1.19E-08	1.58E-08
537	437593.1	3762905	4.05E-08	1.38E-07	1.78E-07	6.29E-09	2.25E-08	2.88E-08	3.39E-09	1.05E-08	1.38E-08
538	437609.4	3762902	4.03E-08	1.38E-07	1.78E-07	6.27E-09	2.25E-08	2.87E-08	3.38E-09	1.04E-08	1.38E-08
539	437601.7	3762910	3.60E-08	1.23E-07	1.59E-07	5.59E-09	2.00E-08	2.56E-08	3.01E-09	9.29E-09	1.23E-08
540	437617.7	3762908	3.57E-08	1.22E-07	1.58E-07	5.55E-09	1.99E-08	2.55E-08	2.99E-09	9.24E-09	1.22E-08
541	437610.2	3762916	3.22E-08	1.10E-07	1.42E-07	5.00E-09	1.79E-08	2.29E-08	2.69E-09	8.32E-09	1.10E-08
542	437626.1	3762913	3.19E-08	1.09E-07	1.41E-07	4.96E-09	1.78E-08	2.28E-08	2.67E-09	8.25E-09	1.09E-08
543	437618.7	3762921	2.90E-08	9.88E-08	1.28E-07	4.50E-09	1.61E-08	2.06E-08	2.43E-09	7.49E-09	9.91E-09
544	437634.2	3762919	2.86E-08	9.77E-08	1.26E-07	4.45E-09	1.60E-08	2.04E-08	2.40E-09	7.40E-09	9.80E-09
545	437650.9	3762930	2.36E-08	8.05E-08	1.04E-07	3.67E-09	1.32E-08	1.68E-08	1.98E-09	6.10E-09	8.08E-09

546	437650.7	3762959	1.63E-08	5.56E-08	7.19E-08	2.53E-09	9.08E-09	1.16E-08	1.37E-09	4.21E-09	5.58E-09
547	437642.3	3762968	1.45E-08	4.93E-08	6.38E-08	2.25E-09	8.06E-09	1.03E-08	1.21E-09	3.74E-09	4.95E-09
548	437676	3762961	1.56E-08	5.31E-08	6.87E-08	2.42E-09	8.68E-09	1.11E-08	1.30E-09	4.03E-09	5.33E-09
549	437668	3762969	1.42E-08	4.83E-08	6.24E-08	2.20E-09	7.89E-09	1.01E-08	1.19E-09	3.66E-09	4.84E-09
550	437659.9	3762978	1.27E-08	4.35E-08	5.62E-08	1.98E-09	7.10E-09	9.08E-09	1.07E-09	3.29E-09	4.36E-09
551	437700.9	3762963	1.46E-08	4.98E-08	6.44E-08	2.27E-09	8.13E-09	1.04E-08	1.22E-09	3.77E-09	4.99E-09
552	437693	3762972	1.36E-08	4.62E-08	5.98E-08	2.11E-09	7.55E-09	9.66E-09	1.13E-09	3.50E-09	4.64E-09
553	437685.1	3762980	1.24E-08	4.24E-08	5.49E-08	1.93E-09	6.93E-09	8.87E-09	1.04E-09	3.22E-09	4.26E-09
554	437677.2	3762989	1.13E-08	3.86E-08	4.99E-08	1.76E-09	6.30E-09	8.06E-09	9.47E-10	2.92E-09	3.87E-09
555	437669.3	3762997	1.02E-08	3.47E-08	4.49E-08	1.58E-09	5.67E-09	7.26E-09	8.52E-10	2.63E-09	3.48E-09
556	437709.2	3762983	1.18E-08	4.03E-08	5.21E-08	1.84E-09	6.58E-09	8.42E-09	9.89E-10	3.05E-09	4.04E-09
557	437701	3762992	1.09E-08	3.70E-08	4.79E-08	1.69E-09	6.05E-09	7.74E-09	9.09E-10	2.81E-09	3.72E-09
558	437692.7	3763001	9.88E-09	3.37E-08	4.36E-08	1.54E-09	5.50E-09	7.04E-09	8.27E-10	2.55E-09	3.38E-09
559	437684.5	3763010	8.91E-09	3.04E-08	3.93E-08	1.38E-09	4.96E-09	6.35E-09	7.46E-10	2.30E-09	3.05E-09
560	437710	3763011	8.88E-09	3.03E-08	3.91E-08	1.38E-09	4.95E-09	6.32E-09	7.43E-10	2.29E-09	3.04E-09
561	437701.9	3763020	8.08E-09	2.75E-08	3.56E-08	1.26E-09	4.50E-09	5.76E-09	6.76E-10	2.09E-09	2.76E-09
562	437750.7	3762996	9.87E-09	3.37E-08	4.35E-08	1.53E-09	5.50E-09	7.03E-09	8.26E-10	2.55E-09	3.38E-09
563	437742.4	3763005	9.26E-09	3.16E-08	4.08E-08	1.44E-09	5.16E-09	6.60E-09	7.75E-10	2.39E-09	3.17E-09
564	437767.4	3763007	8.79E-09	3.00E-08	3.87E-08	1.37E-09	4.89E-09	6.26E-09	7.35E-10	2.27E-09	3.01E-09
565	437759.2	3763016	8.28E-09	2.82E-08	3.65E-08	1.29E-09	4.61E-09	5.90E-09	6.93E-10	2.14E-09	2.83E-09
566	437751.1	3763025	7.72E-09	2.63E-08	3.40E-08	1.20E-09	4.30E-09	5.50E-09	6.46E-10	1.99E-09	2.64E-09
567	437742.9	3763034	7.10E-09	2.42E-08	3.13E-08	1.10E-09	3.95E-09	5.06E-09	5.94E-10	1.83E-09	2.43E-09
568	437783.9	3763019	7.84E-09	2.68E-08	3.46E-08	1.22E-09	4.37E-09	5.59E-09	6.57E-10	2.03E-09	2.68E-09
569	437775.6	3763028	7.38E-09	2.52E-08	3.25E-08	1.15E-09	4.11E-09	5.26E-09	6.18E-10	1.91E-09	2.52E-09
570	437767.2	3763037	6.87E-09	2.34E-08	3.03E-08	1.07E-09	3.83E-09	4.90E-09	5.75E-10	1.78E-09	2.35E-09
571	437758.8	3763046	6.33E-09	2.16E-08	2.79E-08	9.84E-10	3.53E-09	4.51E-09	5.30E-10	1.64E-09	2.17E-09
572	437750.5	3763055	5.79E-09	1.97E-08	2.55E-08	9.00E-10	3.23E-09	4.13E-09	4.85E-10	1.50E-09	1.98E-09
573	437742.1	3763064	5.26E-09	1.80E-08	2.32E-08	8.18E-10	2.93E-09	3.75E-09	4.41E-10	1.36E-09	1.80E-09
574	437800.6	3763030	7.07E-09	2.41E-08	3.12E-08	1.10E-09	3.94E-09	5.04E-09	5.92E-10	1.83E-09	2.42E-09
575	437792.4	3763039	6.66E-09	2.27E-08	2.94E-08	1.04E-09	3.71E-09	4.75E-09	5.58E-10	1.72E-09	2.28E-09
576	437784.2	3763047	6.24E-09	2.13E-08	2.75E-08	9.69E-10	3.47E-09	4.44E-09	5.22E-10	1.61E-09	2.13E-09
577	437776	3763056	5.78E-09	1.97E-08	2.55E-08	8.99E-10	3.22E-09	4.12E-09	4.84E-10	1.49E-09	1.98E-09
578	437767.7	3763065	5.33E-09	1.82E-08	2.35E-08	8.27E-10	2.97E-09	3.79E-09	4.46E-10	1.38E-09	1.82E-09
579	437759.5	3763074	4.87E-09	1.66E-08	2.15E-08	7.57E-10	2.71E-09	3.47E-09	4.08E-10	1.26E-09	1.67E-09
580	437751.3	3763083	4.44E-09	1.51E-08	1.96E-08	6.90E-10	2.47E-09	3.16E-09	3.71E-10	1.15E-09	1.52E-09
581	437743.1	3763092	4.03E-09	1.37E-08	1.78E-08	6.26E-10	2.24E-09	2.87E-09	3.37E-10	1.04E-09	1.38E-09
582	437808.9	3763064	5.42E-09	1.85E-08	2.39E-08	8.43E-10	3.02E-09	3.86E-09	4.54E-10	1.40E-09	1.86E-09
583	437800.5	3763073	5.05E-09	1.72E-08	2.23E-08	7.84E-10	2.81E-09	3.59E-09	4.22E-10	1.30E-09	1.73E-09
584	437792.2	3763082	4.66E-09	1.59E-08	2.06E-08	7.24E-10	2.60E-09	3.32E-09	3.90E-10	1.20E-09	1.59E-09
585	437783.8	3763091	4.29E-09	1.46E-08	1.89E-08	6.66E-10	2.39E-09	3.06E-09	3.59E-10	1.11E-09	1.47E-09
586	437775.5	3763100	3.93E-09	1.34E-08	1.73E-08	6.10E-10	2.19E-09	2.80E-09	3.29E-10	1.01E-09	1.34E-09
587	437767.1	3763109	3.57E-09	1.22E-08	1.58E-08	5.55E-10	1.99E-09	2.54E-09	2.99E-10	9.23E-10	1.22E-09
588	437758.8	3763118	3.24E-09	1.11E-08	1.43E-08	5.04E-10	1.81E-09	2.31E-09	2.71E-10	8.38E-10	1.11E-09
589	437793.4	3763124	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.34E-09	2.75E-10	8.50E-10	1.12E-09
590	437785.3	3763133	3.01E-09	1.03E-08	1.33E-08	4.67E-10	1.67E-09	2.14E-09	2.52E-10	7.77E-10	1.03E-09
591	437777.1	3763142	2.75E-09	9.37E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.10E-10	9.40E-10
592	437875.5	3763080	4.73E-09	1.61E-08	2.09E-08	7.35E-10	2.64E-09	3.37E-09	3.96E-10	1.22E-09	1.62E-09
593	437859	3763097	4.29E-09	1.46E-08	1.89E-08	6.66E-10	2.39E-09	3.05E-09	3.59E-10	1.11E-09	1.47E-09
594	437850.7	3763106	4.05E-09	1.38E-08	1.79E-08	6.29E-10	2.26E-09	2.89E-09	3.39E-10	1.05E-09	1.39E-09
595	437842.4	3763115	3.78E-09	1.29E-08	1.67E-08	5.87E-10	2.10E-09	2.69E-09	3.16E-10	9.76E-10	1.29E-09
596	437834.2	3763124	3.50E-09	1.19E-08	1.54E-08	5.44E-10	1.95E-09	2.49E-09	2.93E-10	9.04E-10	1.20E-09
597	437825.9	3763133	3.23E-09	1.10E-08	1.42E-08	5.02E-10	1.80E-09	2.30E-09	2.70E-10	8.34E-10	1.10E-09
598	437900.5	3763096	4.19E-09	1.43E-08	1.85E-08	6.51E-10	2.33E-09	2.99E-09	3.51E-10	1.08E-09	1.43E-09
599	437867	3763132	3.37E-09	1.15E-08	1.49E-08	5.24E-10	1.88E-09	2.40E-09	2.82E-10	8.71E-10	1.15E-09
600	437858.6	3763141	3.15E-09	1.08E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.15E-10	1.08E-09
601	437850.2	3763150	2.93E-09	9.99E-09	1.29E-08	4.55E-10	1.63E-09	2.09E-09	2.45E-10	7.57E-10	1.00E-09
602	437841.9	3763159	2.70E-09	9.22E-09	1.19E-08	4.20E-10	1.51E-09	1.93E-09	2.26E-10	6.98E-10	9.25E-10
603	437833.5	3763168	2.49E-09	8.50E-09	1.10E-08	3.87E-10	1.39E-09	1.78E-09	2.09E-10	6.44E-10	8.52E-10
604	437825.1	3763177	2.30E-09	7.83E-09	1.01E-08	3.57E-10	1.28E-09	1.64E-09	1.92E-10	5.94E-10	7.86E-10
605	437925.5	3763113	3.73E-09	1.27E-08	1.65E-08	5.80E-10	2.08E-09	2.66E-09	3.12E-10	9.64E-10	1.28E-09
606	437917.3	3763122	3.57E-09	1.22E-08	1.57E-08	5.55E-10	1.99E-09	2.54E-09	2.99E-10	9.22E-10	1.22E-09

607	437909.1	3763130	3.40E-09	1.16E-08	1.50E-08	5.28E-10	1.89E-09	2.42E-09	2.85E-10	8.78E-10	1.16E-09
608	437900.8	3763139	3.22E-09	1.10E-08	1.42E-08	5.01E-10	1.80E-09	2.30E-09	2.70E-10	8.33E-10	1.10E-09
609	437867.9	3763175	2.49E-09	8.49E-09	1.10E-08	3.87E-10	1.39E-09	1.77E-09	2.08E-10	6.43E-10	8.52E-10
610	437859.7	3763184	2.31E-09	7.89E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.91E-10
611	437851.5	3763192	2.14E-09	7.30E-09	9.44E-09	3.33E-10	1.19E-09	1.53E-09	1.79E-10	5.53E-10	7.33E-10
612	437843.3	3763201	1.98E-09	6.76E-09	8.74E-09	3.08E-10	1.10E-09	1.41E-09	1.66E-10	5.12E-10	6.78E-10
613	437835.1	3763210	1.84E-09	6.27E-09	8.11E-09	2.86E-10	1.02E-09	1.31E-09	1.54E-10	4.75E-10	6.29E-10
614	437950.4	3763129	3.35E-09	1.14E-08	1.48E-08	5.20E-10	1.86E-09	2.38E-09	2.80E-10	8.65E-10	1.14E-09
615	437942.1	3763138	3.20E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.28E-09	2.68E-10	8.28E-10	1.10E-09
616	437933.8	3763147	3.06E-09	1.04E-08	1.35E-08	4.75E-10	1.70E-09	2.18E-09	2.56E-10	7.90E-10	1.05E-09
617	437925.5	3763156	2.90E-09	9.90E-09	1.28E-08	4.51E-10	1.62E-09	2.07E-09	2.43E-10	7.50E-10	9.94E-10
618	437917.2	3763165	2.75E-09	9.38E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.10E-10	9.41E-10
619	437908.9	3763174	2.59E-09	8.84E-09	1.14E-08	4.03E-10	1.44E-09	1.85E-09	2.17E-10	6.70E-10	8.87E-10
620	437900.6	3763183	2.43E-09	8.30E-09	1.07E-08	3.78E-10	1.36E-09	1.73E-09	2.04E-10	6.29E-10	8.33E-10
621	437867.4	3763219	1.83E-09	6.24E-09	8.06E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.72E-10	6.26E-10
622	437859	3763228	1.70E-09	5.79E-09	7.49E-09	2.64E-10	9.47E-10	1.21E-09	1.42E-10	4.39E-10	5.81E-10
623	437850.7	3763237	1.58E-09	5.38E-09	6.96E-09	2.45E-10	8.79E-10	1.12E-09	1.32E-10	4.08E-10	5.40E-10
624	437950.2	3763173	2.64E-09	9.00E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.82E-10	9.03E-10
625	437941.8	3763182	2.50E-09	8.53E-09	1.10E-08	3.89E-10	1.39E-09	1.78E-09	2.09E-10	6.46E-10	8.56E-10
626	437933.5	3763191	2.37E-09	8.07E-09	1.04E-08	3.68E-10	1.32E-09	1.69E-09	1.98E-10	6.11E-10	8.09E-10
627	437925.1	3763200	2.23E-09	7.60E-09	9.83E-09	3.46E-10	1.24E-09	1.59E-09	1.87E-10	5.76E-10	7.63E-10
628	437916.7	3763209	2.09E-09	7.12E-09	9.21E-09	3.24E-10	1.16E-09	1.49E-09	1.75E-10	5.40E-10	7.14E-10
629	437908.3	3763218	1.95E-09	6.65E-09	8.60E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.67E-10
630	437874.7	3763254	1.45E-09	4.93E-09	6.38E-09	2.25E-10	8.06E-10	1.03E-09	1.21E-10	3.74E-10	4.95E-10
631	438000.4	3763163	2.76E-09	9.42E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.14E-10	9.45E-10
632	437992.1	3763172	2.66E-09	9.06E-09	1.17E-08	4.13E-10	1.48E-09	1.89E-09	2.22E-10	6.87E-10	9.09E-10
633	437983.9	3763180	2.54E-09	8.67E-09	1.12E-08	3.95E-10	1.42E-09	1.81E-09	2.13E-10	6.57E-10	8.69E-10
634	437950.8	3763216	2.06E-09	7.03E-09	9.09E-09	3.20E-10	1.15E-09	1.47E-09	1.72E-10	5.32E-10	7.05E-10
635	437942.6	3763225	1.94E-09	6.62E-09	8.56E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.01E-10	6.64E-10
636	437934.3	3763234	1.82E-09	6.21E-09	8.03E-09	2.83E-10	1.01E-09	1.30E-09	1.52E-10	4.70E-10	6.23E-10
637	437926.1	3763243	1.70E-09	5.81E-09	7.52E-09	2.65E-10	9.50E-10	1.21E-09	1.43E-10	4.40E-10	5.83E-10
638	437917.8	3763252	1.59E-09	5.42E-09	7.01E-09	2.47E-10	8.86E-10	1.13E-09	1.33E-10	4.11E-10	5.44E-10
639	437909.5	3763260	1.48E-09	5.05E-09	6.53E-09	2.30E-10	8.25E-10	1.06E-09	1.24E-10	3.83E-10	5.07E-10
640	437901.3	3763269	1.38E-09	4.72E-09	6.10E-09	2.15E-10	7.71E-10	9.86E-10	1.16E-10	3.57E-10	4.73E-10
641	437893	3763278	1.29E-09	4.40E-09	5.69E-09	2.01E-10	7.19E-10	9.20E-10	1.08E-10	3.34E-10	4.42E-10
642	438025.4	3763179	2.52E-09	8.59E-09	1.11E-08	3.91E-10	1.40E-09	1.79E-09	2.11E-10	6.51E-10	8.61E-10
643	438017	3763188	2.42E-09	8.26E-09	1.07E-08	3.76E-10	1.35E-09	1.73E-09	2.03E-10	6.26E-10	8.29E-10
644	438008.7	3763197	2.32E-09	7.91E-09	1.02E-08	3.61E-10	1.29E-09	1.65E-09	1.94E-10	6.00E-10	7.94E-10
645	438000.4	3763206	2.21E-09	7.55E-09	9.77E-09	3.44E-10	1.23E-09	1.58E-09	1.85E-10	5.72E-10	7.58E-10
646	437992	3763215	2.12E-09	7.22E-09	9.33E-09	3.29E-10	1.18E-09	1.51E-09	1.77E-10	5.47E-10	7.24E-10
647	437983.7	3763224	2.01E-09	6.85E-09	8.86E-09	3.12E-10	1.12E-09	1.43E-09	1.68E-10	5.19E-10	6.87E-10
648	437950.4	3763260	1.58E-09	5.38E-09	6.95E-09	2.45E-10	8.78E-10	1.12E-09	1.32E-10	4.07E-10	5.39E-10
649	437942	3763269	1.48E-09	5.05E-09	6.52E-09	2.30E-10	8.24E-10	1.05E-09	1.24E-10	3.82E-10	5.06E-10
650	437933.7	3763278	1.39E-09	4.73E-09	6.11E-09	2.15E-10	7.72E-10	9.87E-10	1.16E-10	3.58E-10	4.74E-10
651	437925.4	3763287	1.30E-09	4.42E-09	5.72E-09	2.02E-10	7.23E-10	9.24E-10	1.09E-10	3.35E-10	4.44E-10
652	437917	3763296	1.22E-09	4.16E-09	5.38E-09	1.90E-10	6.80E-10	8.70E-10	1.02E-10	3.15E-10	4.18E-10
653	437908.7	3763305	1.14E-09	3.89E-09	5.04E-09	1.77E-10	6.36E-10	8.14E-10	9.56E-11	2.95E-10	3.91E-10
654	438025.1	3763223	2.04E-09	6.97E-09	9.02E-09	3.18E-10	1.14E-09	1.46E-09	1.71E-10	5.28E-10	7.00E-10
655	437999.9	3763250	1.75E-09	5.95E-09	7.70E-09	2.71E-10	9.72E-10	1.24E-09	1.46E-10	4.51E-10	5.97E-10
656	437991.5	3763259	1.65E-09	5.62E-09	7.27E-09	2.56E-10	9.18E-10	1.17E-09	1.38E-10	4.26E-10	5.64E-10
657	437983.1	3763268	1.55E-09	5.30E-09	6.85E-09	2.41E-10	8.66E-10	1.11E-09	1.30E-10	4.01E-10	5.32E-10
658	437949.5	3763304	1.21E-09	4.14E-09	5.35E-09	1.89E-10	6.76E-10	8.65E-10	1.02E-10	3.14E-10	4.15E-10
659	437941.1	3763313	1.14E-09	3.89E-09	5.04E-09	1.77E-10	6.36E-10	8.14E-10	9.56E-11	2.95E-10	3.91E-10
660	438083.6	3763218	2.06E-09	7.02E-09	9.07E-09	3.20E-10	1.15E-09	1.47E-09	1.72E-10	5.32E-10	7.04E-10
661	438075.2	3763227	1.98E-09	6.76E-09	8.75E-09	3.08E-10	1.11E-09	1.41E-09	1.66E-10	5.13E-10	6.79E-10
662	438058.3	3763245	1.83E-09	6.23E-09	8.06E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.72E-10	6.25E-10
663	438049.9	3763254	1.75E-09	5.95E-09	7.70E-09	2.71E-10	9.73E-10	1.24E-09	1.46E-10	4.51E-10	5.97E-10
664	438041.5	3763263	1.66E-09	5.67E-09	7.34E-09	2.59E-10	9.27E-10	1.19E-09	1.39E-10	4.30E-10	5.69E-10
665	438033.1	3763272	1.58E-09	5.39E-09	6.97E-09	2.46E-10	8.81E-10	1.13E-09	1.32E-10	4.08E-10	5.41E-10
666	438024.7	3763282	1.50E-09	5.11E-09	6.61E-09	2.33E-10	8.34E-10	1.07E-09	1.25E-10	3.87E-10	5.12E-10
667	438016.2	3763291	1.42E-09	4.83E-09	6.25E-09	2.20E-10	7.89E-10	1.01E-09	1.19E-10	3.66E-10	4.85E-10

668	438007.8	3763300	1.34E-09	4.57E-09	5.92E-09	2.08E-10	7.47E-10	9.56E-10	1.12E-10	3.47E-10	4.59E-10
669	437999.4	3763309	1.27E-09	4.32E-09	5.59E-09	1.97E-10	7.06E-10	9.03E-10	1.06E-10	3.27E-10	4.33E-10
670	437991	3763318	1.19E-09	4.07E-09	5.26E-09	1.85E-10	6.65E-10	8.51E-10	9.99E-11	3.08E-10	4.08E-10
671	437982.6	3763327	1.12E-09	3.83E-09	4.95E-09	1.75E-10	6.26E-10	8.00E-10	9.40E-11	2.90E-10	3.84E-10
672	437948.9	3763363	8.74E-10	2.98E-09	3.85E-09	1.36E-10	4.87E-10	6.23E-10	7.32E-11	2.26E-10	2.99E-10
673	438108.4	3763249	1.79E-09	6.12E-09	7.91E-09	2.79E-10	9.99E-10	1.28E-09	1.50E-10	4.64E-10	6.14E-10
674	438100	3763258	1.73E-09	5.89E-09	7.61E-09	2.68E-10	9.61E-10	1.23E-09	1.44E-10	4.46E-10	5.90E-10
675	438091.6	3763268	1.66E-09	5.65E-09	7.30E-09	2.57E-10	9.23E-10	1.18E-09	1.39E-10	4.28E-10	5.67E-10
676	438083.1	3763277	1.59E-09	5.41E-09	7.00E-09	2.47E-10	8.84E-10	1.13E-09	1.33E-10	4.10E-10	5.43E-10
677	438074.7	3763286	1.52E-09	5.17E-09	6.68E-09	2.35E-10	8.44E-10	1.08E-09	1.27E-10	3.92E-10	5.18E-10
678	438066.2	3763295	1.44E-09	4.92E-09	6.37E-09	2.24E-10	8.04E-10	1.03E-09	1.21E-10	3.73E-10	4.94E-10
679	438057.8	3763304	1.37E-09	4.68E-09	6.06E-09	2.13E-10	7.65E-10	9.79E-10	1.15E-10	3.55E-10	4.70E-10
680	438049.4	3763313	1.31E-09	4.45E-09	5.76E-09	2.03E-10	7.28E-10	9.31E-10	1.09E-10	3.37E-10	4.47E-10
681	438040.9	3763322	1.24E-09	4.23E-09	5.47E-09	1.93E-10	6.91E-10	8.84E-10	1.04E-10	3.20E-10	4.24E-10
682	438032.5	3763331	1.18E-09	4.01E-09	5.19E-09	1.83E-10	6.55E-10	8.38E-10	9.84E-11	3.04E-10	4.02E-10
683	438024	3763340	1.11E-09	3.79E-09	4.90E-09	1.73E-10	6.19E-10	7.92E-10	9.31E-11	2.87E-10	3.80E-10
684	438015.6	3763349	1.05E-09	3.58E-09	4.63E-09	1.63E-10	5.85E-10	7.48E-10	8.79E-11	2.71E-10	3.59E-10
685	438007.2	3763358	9.88E-10	3.37E-09	4.36E-09	1.54E-10	5.50E-10	7.04E-10	8.27E-11	2.55E-10	3.38E-10
686	437998.7	3763367	9.28E-10	3.16E-09	4.09E-09	1.44E-10	5.17E-10	6.61E-10	7.76E-11	2.40E-10	3.17E-10
687	438150.2	3763262	1.69E-09	5.75E-09	7.44E-09	2.62E-10	9.40E-10	1.20E-09	1.41E-10	4.36E-10	5.77E-10
688	438141.9	3763271	1.64E-09	5.59E-09	7.23E-09	2.55E-10	9.14E-10	1.17E-09	1.37E-10	4.24E-10	5.61E-10
689	438133.6	3763280	1.58E-09	5.40E-09	6.98E-09	2.46E-10	8.82E-10	1.13E-09	1.33E-10	4.09E-10	5.42E-10
690	438125.3	3763289	1.52E-09	5.20E-09	6.72E-09	2.37E-10	8.49E-10	1.09E-09	1.28E-10	3.94E-10	5.22E-10
691	438117	3763298	1.46E-09	4.99E-09	6.45E-09	2.27E-10	8.15E-10	1.04E-09	1.22E-10	3.78E-10	5.00E-10
692	438108.7	3763307	1.40E-09	4.78E-09	6.18E-09	2.18E-10	7.80E-10	9.98E-10	1.17E-10	3.62E-10	4.79E-10
693	438100.4	3763316	1.34E-09	4.57E-09	5.91E-09	2.08E-10	7.46E-10	9.54E-10	1.12E-10	3.46E-10	4.58E-10
694	438092.1	3763325	1.28E-09	4.36E-09	5.64E-09	1.99E-10	7.12E-10	9.11E-10	1.07E-10	3.30E-10	4.37E-10
695	438083.8	3763334	1.22E-09	4.15E-09	5.37E-09	1.89E-10	6.78E-10	8.68E-10	1.02E-10	3.15E-10	4.17E-10
696	438075.4	3763343	1.16E-09	3.95E-09	5.11E-09	1.80E-10	6.45E-10	8.25E-10	9.69E-11	2.99E-10	3.96E-10
697	438067.1	3763352	1.10E-09	3.75E-09	4.85E-09	1.71E-10	6.13E-10	7.84E-10	9.21E-11	2.84E-10	3.76E-10
698	438058.8	3763361	1.04E-09	3.56E-09	4.60E-09	1.62E-10	5.81E-10	7.43E-10	8.73E-11	2.70E-10	3.57E-10
699	438050.5	3763370	9.89E-10	3.37E-09	4.36E-09	1.54E-10	5.51E-10	7.05E-10	8.28E-11	2.56E-10	3.38E-10
700	438017.3	3763405	7.86E-10	2.68E-09	3.47E-09	1.22E-10	4.38E-10	5.60E-10	6.58E-11	2.03E-10	2.69E-10
701	438009	3763414	7.41E-10	2.53E-09	3.27E-09	1.15E-10	4.13E-10	5.28E-10	6.20E-11	1.91E-10	2.53E-10
702	438000.7	3763423	6.98E-10	2.38E-09	3.08E-09	1.08E-10	3.89E-10	4.97E-10	5.84E-11	1.80E-10	2.39E-10
703	438183.5	3763285	1.54E-09	5.24E-09	6.77E-09	2.39E-10	8.55E-10	1.09E-09	1.29E-10	3.97E-10	5.25E-10
704	438175.2	3763294	1.49E-09	5.07E-09	6.56E-09	2.31E-10	8.29E-10	1.06E-09	1.25E-10	3.84E-10	5.09E-10
705	438166.9	3763303	1.45E-09	4.93E-09	6.38E-09	2.25E-10	8.06E-10	1.03E-09	1.21E-10	3.74E-10	4.95E-10
706	438158.5	3763312	1.39E-09	4.76E-09	6.15E-09	2.17E-10	7.77E-10	9.94E-10	1.17E-10	3.60E-10	4.77E-10
707	438150.2	3763320	1.34E-09	4.58E-09	5.92E-09	2.08E-10	7.47E-10	9.56E-10	1.12E-10	3.47E-10	4.59E-10
708	438141.9	3763329	1.29E-09	4.39E-09	5.67E-09	2.00E-10	7.17E-10	9.17E-10	1.08E-10	3.32E-10	4.40E-10
709	438133.5	3763338	1.23E-09	4.20E-09	5.43E-09	1.91E-10	6.86E-10	8.78E-10	1.03E-10	3.18E-10	4.22E-10
710	438125.2	3763347	1.18E-09	4.02E-09	5.20E-09	1.83E-10	6.57E-10	8.40E-10	9.87E-11	3.05E-10	4.03E-10
711	438116.9	3763356	1.13E-09	3.84E-09	4.97E-09	1.75E-10	6.28E-10	8.03E-10	9.43E-11	2.91E-10	3.85E-10
712	438108.5	3763365	1.07E-09	3.66E-09	4.74E-09	1.67E-10	5.98E-10	7.65E-10	8.99E-11	2.78E-10	3.67E-10
713	438075.2	3763401	8.78E-10	2.99E-09	3.87E-09	1.36E-10	4.89E-10	6.25E-10	7.35E-11	2.27E-10	3.00E-10
714	438066.9	3763410	8.33E-10	2.84E-09	3.67E-09	1.29E-10	4.64E-10	5.93E-10	6.97E-11	2.15E-10	2.85E-10
715	438058.5	3763419	7.88E-10	2.69E-09	3.48E-09	1.23E-10	4.39E-10	5.62E-10	6.60E-11	2.04E-10	2.70E-10
716	438050.2	3763428	7.45E-10	2.54E-09	3.28E-09	1.16E-10	4.15E-10	5.31E-10	6.23E-11	1.92E-10	2.55E-10
717	438041.9	3763437	7.03E-10	2.40E-09	3.10E-09	1.09E-10	3.92E-10	5.01E-10	5.89E-11	1.82E-10	2.41E-10
718	438033.5	3763446	6.63E-10	2.26E-09	2.93E-09	1.03E-10	3.70E-10	4.73E-10	5.55E-11	1.71E-10	2.27E-10
719	438025.2	3763455	6.27E-10	2.14E-09	2.76E-09	9.74E-11	3.49E-10	4.47E-10	5.25E-11	1.62E-10	2.14E-10
720	438216.8	3763307	1.41E-09	4.80E-09	6.21E-09	2.19E-10	7.84E-10	1.00E-09	1.18E-10	3.64E-10	4.82E-10
721	438208.5	3763316	1.37E-09	4.65E-09	6.02E-09	2.12E-10	7.60E-10	9.73E-10	1.14E-10	3.53E-10	4.67E-10
722	438200.1	3763325	1.32E-09	4.51E-09	5.83E-09	2.05E-10	7.36E-10	9.42E-10	1.11E-10	3.42E-10	4.52E-10
723	438191.7	3763334	1.28E-09	4.35E-09	5.63E-09	1.98E-10	7.11E-10	9.10E-10	1.07E-10	3.30E-10	4.37E-10
724	438183.4	3763343	1.23E-09	4.19E-09	5.42E-09	1.91E-10	6.85E-10	8.76E-10	1.03E-10	3.18E-10	4.21E-10
725	438175	3763352	1.18E-09	4.03E-09	5.21E-09	1.84E-10	6.58E-10	8.42E-10	9.89E-11	3.05E-10	4.04E-10
726	438166.7	3763361	1.13E-09	3.87E-09	5.00E-09	1.76E-10	6.32E-10	8.08E-10	9.49E-11	2.93E-10	3.88E-10
727	438158.3	3763370	1.09E-09	3.70E-09	4.79E-09	1.69E-10	6.05E-10	7.74E-10	9.09E-11	2.81E-10	3.72E-10
728	438124.9	3763406	9.04E-10	3.08E-09	3.99E-09	1.41E-10	5.04E-10	6.44E-10	7.57E-11	2.34E-10	3.09E-10

729	438116.6	3763415	8.62E-10	2.94E-09	3.80E-09	1.34E-10	4.80E-10	6.14E-10	7.22E-11	2.23E-10	2.95E-10
730	438108.2	3763424	8.22E-10	2.80E-09	3.62E-09	1.28E-10	4.58E-10	5.86E-10	6.88E-11	2.12E-10	2.81E-10
731	438099.9	3763433	7.83E-10	2.67E-09	3.45E-09	1.22E-10	4.36E-10	5.57E-10	6.55E-11	2.02E-10	2.68E-10
732	438091.5	3763442	7.44E-10	2.54E-09	3.28E-09	1.16E-10	4.14E-10	5.30E-10	6.22E-11	1.92E-10	2.54E-10
733	438083.2	3763451	7.04E-10	2.40E-09	3.10E-09	1.09E-10	3.92E-10	5.01E-10	5.89E-11	1.82E-10	2.41E-10
734	438074.8	3763460	6.66E-10	2.27E-09	2.94E-09	1.03E-10	3.71E-10	4.74E-10	5.57E-11	1.72E-10	2.28E-10
735	438066.4	3763469	6.30E-10	2.15E-09	2.78E-09	9.79E-11	3.51E-10	4.49E-10	5.27E-11	1.63E-10	2.16E-10
736	438058.1	3763477	5.96E-10	2.03E-09	2.63E-09	9.27E-11	3.32E-10	4.25E-10	4.99E-11	1.54E-10	2.04E-10
737	438049.7	3763486	5.64E-10	1.92E-09	2.49E-09	8.77E-11	3.14E-10	4.02E-10	4.72E-11	1.46E-10	1.93E-10
738	438250.1	3763329	1.29E-09	4.40E-09	5.69E-09	2.01E-10	7.19E-10	9.20E-10	1.08E-10	3.34E-10	4.42E-10
739	438241.7	3763338	1.25E-09	4.28E-09	5.53E-09	1.95E-10	6.99E-10	8.93E-10	1.05E-10	3.24E-10	4.29E-10
740	438233.4	3763347	1.22E-09	4.15E-09	5.36E-09	1.89E-10	6.77E-10	8.66E-10	1.02E-10	3.14E-10	4.16E-10
741	438225	3763356	1.18E-09	4.01E-09	5.19E-09	1.83E-10	6.55E-10	8.38E-10	9.85E-11	3.04E-10	4.02E-10
742	438216.6	3763365	1.14E-09	3.87E-09	5.01E-09	1.76E-10	6.33E-10	8.09E-10	9.50E-11	2.93E-10	3.88E-10
743	438183.1	3763401	9.65E-10	3.29E-09	4.25E-09	1.50E-10	5.37E-10	6.87E-10	8.07E-11	2.49E-10	3.30E-10
744	438174.7	3763410	9.22E-10	3.14E-09	4.07E-09	1.43E-10	5.14E-10	6.57E-10	7.72E-11	2.38E-10	3.15E-10
745	438166.4	3763419	8.84E-10	3.02E-09	3.90E-09	1.37E-10	4.93E-10	6.30E-10	7.40E-11	2.29E-10	3.03E-10
746	438158	3763428	8.47E-10	2.89E-09	3.74E-09	1.32E-10	4.72E-10	6.03E-10	7.09E-11	2.19E-10	2.90E-10
747	438149.6	3763437	8.11E-10	2.76E-09	3.57E-09	1.26E-10	4.52E-10	5.77E-10	6.78E-11	2.09E-10	2.77E-10
748	438141.3	3763446	7.73E-10	2.64E-09	3.41E-09	1.20E-10	4.31E-10	5.51E-10	6.47E-11	2.00E-10	2.64E-10
749	438132.9	3763455	7.35E-10	2.51E-09	3.24E-09	1.14E-10	4.10E-10	5.24E-10	6.15E-11	1.90E-10	2.52E-10
750	438124.5	3763464	6.98E-10	2.38E-09	3.08E-09	1.08E-10	3.89E-10	4.97E-10	5.84E-11	1.80E-10	2.39E-10
751	438116.1	3763473	6.62E-10	2.26E-09	2.92E-09	1.03E-10	3.69E-10	4.72E-10	5.54E-11	1.71E-10	2.26E-10
752	438107.8	3763482	6.27E-10	2.14E-09	2.77E-09	9.75E-11	3.49E-10	4.47E-10	5.25E-11	1.62E-10	2.15E-10
753	438099.4	3763491	5.94E-10	2.03E-09	2.62E-09	9.24E-11	3.31E-10	4.23E-10	4.98E-11	1.54E-10	2.03E-10
754	438091	3763500	5.64E-10	1.92E-09	2.49E-09	8.76E-11	3.14E-10	4.02E-10	4.72E-11	1.46E-10	1.93E-10
755	438082.7	3763509	5.35E-10	1.83E-09	2.36E-09	8.32E-11	2.98E-10	3.81E-10	4.48E-11	1.38E-10	1.83E-10
756	438074.3	3763518	5.09E-10	1.73E-09	2.24E-09	7.90E-11	2.83E-10	3.62E-10	4.26E-11	1.31E-10	1.74E-10
757	438283.4	3763351	1.19E-09	4.06E-09	5.25E-09	1.85E-10	6.64E-10	8.49E-10	9.97E-11	3.08E-10	4.08E-10
758	438275	3763360	1.16E-09	3.95E-09	5.11E-09	1.80E-10	6.45E-10	8.25E-10	9.70E-11	2.99E-10	3.96E-10
759	438266.6	3763369	1.12E-09	3.83E-09	4.96E-09	1.75E-10	6.26E-10	8.01E-10	9.41E-11	2.90E-10	3.84E-10
760	438233.1	3763405	9.78E-10	3.33E-09	4.31E-09	1.52E-10	5.45E-10	6.96E-10	8.18E-11	2.53E-10	3.34E-10
761	438224.7	3763414	9.40E-10	3.21E-09	4.15E-09	1.46E-10	5.24E-10	6.70E-10	7.87E-11	2.43E-10	3.22E-10
762	438216.3	3763423	9.04E-10	3.08E-09	3.99E-09	1.40E-10	5.03E-10	6.44E-10	7.57E-11	2.34E-10	3.09E-10
763	438207.9	3763432	8.69E-10	2.96E-09	3.83E-09	1.35E-10	4.84E-10	6.19E-10	7.27E-11	2.25E-10	2.97E-10
764	438199.5	3763441	8.34E-10	2.84E-09	3.68E-09	1.30E-10	4.65E-10	5.94E-10	6.98E-11	2.16E-10	2.85E-10
765	438191.1	3763450	8.00E-10	2.73E-09	3.53E-09	1.24E-10	4.46E-10	5.70E-10	6.70E-11	2.07E-10	2.74E-10
766	438182.7	3763459	7.67E-10	2.61E-09	3.38E-09	1.19E-10	4.27E-10	5.46E-10	6.42E-11	1.98E-10	2.62E-10
767	438174.3	3763468	7.33E-10	2.50E-09	3.23E-09	1.14E-10	4.08E-10	5.22E-10	6.13E-11	1.89E-10	2.51E-10
768	438165.9	3763477	6.97E-10	2.38E-09	3.07E-09	1.08E-10	3.88E-10	4.96E-10	5.83E-11	1.80E-10	2.38E-10
769	438157.5	3763486	6.61E-10	2.25E-09	2.92E-09	1.03E-10	3.68E-10	4.71E-10	5.53E-11	1.71E-10	2.26E-10
770	438149.2	3763496	6.27E-10	2.14E-09	2.76E-09	9.74E-11	3.49E-10	4.47E-10	5.25E-11	1.62E-10	2.14E-10
771	438140.8	3763505	5.95E-10	2.03E-09	2.62E-09	9.24E-11	3.31E-10	4.24E-10	4.98E-11	1.54E-10	2.03E-10
772	438132.4	3763514	5.65E-10	1.93E-09	2.49E-09	8.77E-11	3.15E-10	4.02E-10	4.73E-11	1.46E-10	1.93E-10
773	438124	3763523	5.36E-10	1.83E-09	2.36E-09	8.33E-11	2.99E-10	3.82E-10	4.49E-11	1.39E-10	1.83E-10
774	438115.6	3763532	5.10E-10	1.74E-09	2.25E-09	7.92E-11	2.84E-10	3.63E-10	4.27E-11	1.32E-10	1.74E-10
775	438291.5	3763400	1.01E-09	3.44E-09	4.45E-09	1.57E-10	5.63E-10	7.20E-10	8.45E-11	2.61E-10	3.45E-10
776	438283.1	3763409	9.76E-10	3.33E-09	4.30E-09	1.52E-10	5.44E-10	6.95E-10	8.17E-11	2.52E-10	3.34E-10
777	438266.2	3763428	9.09E-10	3.10E-09	4.01E-09	1.41E-10	5.07E-10	6.48E-10	7.61E-11	2.35E-10	3.11E-10
778	438257.8	3763437	8.76E-10	2.99E-09	3.87E-09	1.36E-10	4.88E-10	6.24E-10	7.34E-11	2.26E-10	3.00E-10
779	438249.4	3763446	8.45E-10	2.88E-09	3.72E-09	1.31E-10	4.70E-10	6.02E-10	7.07E-11	2.18E-10	2.89E-10
780	438241	3763455	8.14E-10	2.78E-09	3.59E-09	1.26E-10	4.53E-10	5.80E-10	6.81E-11	2.10E-10	2.78E-10
781	438232.6	3763464	7.84E-10	2.67E-09	3.46E-09	1.22E-10	4.37E-10	5.59E-10	6.56E-11	2.03E-10	2.68E-10
782	438224.2	3763473	7.54E-10	2.57E-09	3.32E-09	1.17E-10	4.20E-10	5.37E-10	6.31E-11	1.95E-10	2.58E-10
783	438215.8	3763482	7.23E-10	2.46E-09	3.19E-09	1.12E-10	4.03E-10	5.15E-10	6.05E-11	1.87E-10	2.47E-10
784	438207.4	3763491	6.91E-10	2.36E-09	3.05E-09	1.07E-10	3.85E-10	4.92E-10	5.78E-11	1.79E-10	2.36E-10
785	438199	3763500	6.59E-10	2.25E-09	2.91E-09	1.02E-10	3.67E-10	4.69E-10	5.51E-11	1.70E-10	2.25E-10
786	438190.6	3763509	6.27E-10	2.14E-09	2.76E-09	9.74E-11	3.49E-10	4.46E-10	5.25E-11	1.62E-10	2.14E-10
787	438182.2	3763518	5.95E-10	2.03E-09	2.63E-09	9.25E-11	3.32E-10	4.24E-10	4.98E-11	1.54E-10	2.04E-10
788	438173.8	3763527	5.66E-10	1.93E-09	2.50E-09	8.79E-11	3.15E-10	4.03E-10	4.74E-11	1.46E-10	1.94E-10
789	438165.4	3763536	5.39E-10	1.84E-09	2.38E-09	8.37E-11	3.00E-10	3.84E-10	4.51E-11	1.39E-10	1.84E-10

790	438140.2	3763563	4.65E-10	1.59E-09	2.05E-09	7.23E-11	2.59E-10	3.31E-10	3.89E-11	1.20E-10	1.59E-10
791	438131.8	3763572	4.42E-10	1.51E-09	1.95E-09	6.87E-11	2.46E-10	3.15E-10	3.70E-11	1.14E-10	1.51E-10
792	438123.4	3763581	4.20E-10	1.43E-09	1.85E-09	6.53E-11	2.34E-10	2.99E-10	3.52E-11	1.09E-10	1.44E-10
793	438350	3763395	1.02E-09	3.48E-09	4.50E-09	1.58E-10	5.68E-10	7.26E-10	8.53E-11	2.63E-10	3.49E-10
794	438341.6	3763405	9.95E-10	3.39E-09	4.39E-09	1.55E-10	5.54E-10	7.09E-10	8.32E-11	2.57E-10	3.40E-10
795	438333.1	3763414	9.68E-10	3.30E-09	4.27E-09	1.50E-10	5.39E-10	6.90E-10	8.10E-11	2.50E-10	3.31E-10
796	438324.7	3763423	9.40E-10	3.20E-09	4.14E-09	1.46E-10	5.23E-10	6.69E-10	7.86E-11	2.43E-10	3.21E-10
797	438316.3	3763432	9.10E-10	3.10E-09	4.01E-09	1.41E-10	5.07E-10	6.48E-10	7.61E-11	2.35E-10	3.11E-10
798	438307.9	3763441	8.79E-10	3.00E-09	3.88E-09	1.37E-10	4.90E-10	6.27E-10	7.36E-11	2.27E-10	3.01E-10
799	438299.5	3763450	8.50E-10	2.90E-09	3.75E-09	1.32E-10	4.74E-10	6.06E-10	7.12E-11	2.20E-10	2.91E-10
800	438291	3763459	8.22E-10	2.80E-09	3.62E-09	1.28E-10	4.58E-10	5.85E-10	6.88E-11	2.12E-10	2.81E-10
801	438257.4	3763495	7.10E-10	2.42E-09	3.13E-09	1.10E-10	3.95E-10	5.06E-10	5.94E-11	1.83E-10	2.43E-10
802	438248.9	3763504	6.81E-10	2.32E-09	3.00E-09	1.06E-10	3.80E-10	4.85E-10	5.70E-11	1.76E-10	2.33E-10
803	438240.5	3763513	6.52E-10	2.22E-09	2.88E-09	1.01E-10	3.63E-10	4.65E-10	5.46E-11	1.69E-10	2.23E-10
804	438232.1	3763522	6.24E-10	2.13E-09	2.75E-09	9.69E-11	3.48E-10	4.44E-10	5.22E-11	1.61E-10	2.13E-10
805	438223.7	3763531	5.96E-10	2.03E-09	2.63E-09	9.26E-11	3.32E-10	4.24E-10	4.99E-11	1.54E-10	2.04E-10
806	438198.4	3763558	5.15E-10	1.76E-09	2.27E-09	8.01E-11	2.87E-10	3.67E-10	4.31E-11	1.33E-10	1.76E-10
807	438190	3763568	4.92E-10	1.68E-09	2.17E-09	7.64E-11	2.74E-10	3.50E-10	4.11E-11	1.27E-10	1.68E-10
808	438181.6	3763577	4.69E-10	1.60E-09	2.07E-09	7.29E-11	2.61E-10	3.34E-10	3.93E-11	1.21E-10	1.60E-10
809	438173.1	3763586	4.47E-10	1.53E-09	1.97E-09	6.95E-11	2.49E-10	3.19E-10	3.74E-11	1.16E-10	1.53E-10
810	438164.7	3763595	4.26E-10	1.45E-09	1.88E-09	6.62E-11	2.38E-10	3.04E-10	3.57E-11	1.10E-10	1.46E-10
811	438156.3	3763604	4.06E-10	1.38E-09	1.79E-09	6.31E-11	2.26E-10	2.89E-10	3.40E-11	1.05E-10	1.39E-10
812	438147.9	3763613	3.86E-10	1.32E-09	1.70E-09	6.00E-11	2.15E-10	2.75E-10	3.23E-11	9.98E-11	1.32E-10
813	438349.5	3763454	8.48E-10	2.89E-09	3.74E-09	1.32E-10	4.72E-10	6.04E-10	7.10E-11	2.19E-10	2.90E-10
814	438341.1	3763463	8.22E-10	2.80E-09	3.62E-09	1.28E-10	4.58E-10	5.86E-10	6.88E-11	2.12E-10	2.81E-10
815	438332.7	3763472	7.96E-10	2.71E-09	3.51E-09	1.24E-10	4.43E-10	5.67E-10	6.66E-11	2.06E-10	2.72E-10
816	438324.2	3763481	7.71E-10	2.63E-09	3.40E-09	1.20E-10	4.29E-10	5.49E-10	6.45E-11	1.99E-10	2.64E-10
817	438315.8	3763490	7.46E-10	2.54E-09	3.29E-09	1.16E-10	4.15E-10	5.31E-10	6.24E-11	1.93E-10	2.55E-10
818	438307.4	3763499	7.21E-10	2.46E-09	3.18E-09	1.12E-10	4.02E-10	5.14E-10	6.03E-11	1.86E-10	2.47E-10
819	438298.9	3763508	6.95E-10	2.37E-09	3.07E-09	1.08E-10	3.87E-10	4.95E-10	5.82E-11	1.80E-10	2.38E-10
820	438290.5	3763517	6.69E-10	2.28E-09	2.95E-09	1.04E-10	3.73E-10	4.77E-10	5.60E-11	1.73E-10	2.29E-10
821	438248.3	3763563	5.40E-10	1.84E-09	2.38E-09	8.39E-11	3.01E-10	3.85E-10	4.52E-11	1.40E-10	1.85E-10
822	438239.9	3763572	5.16E-10	1.76E-09	2.27E-09	8.01E-11	2.87E-10	3.67E-10	4.32E-11	1.33E-10	1.76E-10
823	438231.5	3763581	4.92E-10	1.68E-09	2.17E-09	7.65E-11	2.74E-10	3.51E-10	4.12E-11	1.27E-10	1.68E-10
824	438223	3763590	4.71E-10	1.60E-09	2.08E-09	7.31E-11	2.62E-10	3.35E-10	3.94E-11	1.22E-10	1.61E-10
825	438214.6	3763599	4.50E-10	1.54E-09	1.99E-09	7.00E-11	2.51E-10	3.21E-10	3.77E-11	1.16E-10	1.54E-10
826	438206.2	3763608	4.30E-10	1.47E-09	1.90E-09	6.69E-11	2.40E-10	3.07E-10	3.60E-11	1.11E-10	1.47E-10
827	438197.7	3763617	4.11E-10	1.40E-09	1.81E-09	6.39E-11	2.29E-10	2.93E-10	3.44E-11	1.06E-10	1.41E-10
828	438189.3	3763626	3.92E-10	1.34E-09	1.73E-09	6.09E-11	2.19E-10	2.79E-10	3.28E-11	1.01E-10	1.34E-10
829	438180.9	3763635	3.74E-10	1.28E-09	1.65E-09	5.81E-11	2.08E-10	2.67E-10	3.13E-11	9.67E-11	1.28E-10
830	438172.4	3763644	3.57E-10	1.22E-09	1.57E-09	5.54E-11	1.99E-10	2.54E-10	2.99E-11	9.22E-11	1.22E-10
831	437586	3762818	1.21E-07	4.12E-07	5.33E-07	1.88E-08	6.73E-08	8.61E-08	1.01E-08	3.12E-08	4.13E-08
832	437586	3762808	1.21E-07	4.13E-07	5.34E-07	1.88E-08	6.74E-08	8.63E-08	1.01E-08	3.13E-08	4.14E-08
833	437586	3762798	1.21E-07	4.11E-07	5.32E-07	1.87E-08	6.72E-08	8.59E-08	1.01E-08	3.12E-08	4.13E-08
834	437586	3762788	1.19E-07	4.04E-07	5.23E-07	1.84E-08	6.60E-08	8.45E-08	9.92E-09	3.06E-08	4.06E-08
835	437586.1	3762779	1.15E-07	3.91E-07	5.06E-07	1.78E-08	6.39E-08	8.18E-08	9.61E-09	2.97E-08	3.93E-08
836	437586.1	3762769	1.09E-07	3.71E-07	4.80E-07	1.69E-08	6.07E-08	7.76E-08	9.12E-09	2.81E-08	3.73E-08
837	437586.1	3762759	1.01E-07	3.44E-07	4.45E-07	1.57E-08	5.63E-08	7.20E-08	8.45E-09	2.61E-08	3.46E-08
838	437586.1	3762749	9.08E-08	3.10E-07	4.00E-07	1.41E-08	5.06E-08	6.47E-08	7.60E-09	2.35E-08	3.11E-08
839	437586.1	3762739	7.81E-08	2.66E-07	3.44E-07	1.21E-08	4.35E-08	5.56E-08	6.54E-09	2.02E-08	2.67E-08
840	437586.1	3762730	6.46E-08	2.20E-07	2.85E-07	1.00E-08	3.60E-08	4.61E-08	5.41E-09	1.67E-08	2.21E-08
841	437596	3762818	1.00E-07	3.41E-07	4.41E-07	1.55E-08	5.57E-08	7.13E-08	8.38E-09	2.59E-08	3.42E-08
842	437596	3762808	1.00E-07	3.41E-07	4.42E-07	1.56E-08	5.58E-08	7.13E-08	8.38E-09	2.59E-08	3.43E-08
843	437596	3762798	9.97E-08	3.40E-07	4.40E-07	1.55E-08	5.56E-08	7.10E-08	8.35E-09	2.58E-08	3.41E-08
844	437596	3762788	9.79E-08	3.34E-07	4.32E-07	1.52E-08	5.45E-08	6.97E-08	8.19E-09	2.53E-08	3.35E-08
845	437596.1	3762779	9.45E-08	3.22E-07	4.17E-07	1.47E-08	5.27E-08	6.74E-08	7.91E-09	2.44E-08	3.23E-08
846	437596.1	3762769	8.93E-08	3.05E-07	3.94E-07	1.39E-08	4.97E-08	6.36E-08	7.47E-09	2.31E-08	3.06E-08
847	437596.1	3762759	8.25E-08	2.81E-07	3.64E-07	1.28E-08	4.60E-08	5.88E-08	6.91E-09	2.13E-08	2.82E-08
848	437596.1	3762749	7.41E-08	2.53E-07	3.27E-07	1.15E-08	4.13E-08	5.28E-08	6.21E-09	1.92E-08	2.54E-08
849	437596.1	3762739	6.45E-08	2.20E-07	2.84E-07	1.00E-08	3.59E-08	4.60E-08	5.40E-09	1.67E-08	2.21E-08
850	437596.1	3762730	5.46E-08	1.86E-07	2.41E-07	8.48E-09	3.04E-08	3.89E-08	4.57E-09	1.41E-08	1.87E-08

851	437606	3762828	8.35E-08	2.85E-07	3.68E-07	1.30E-08	4.65E-08	5.95E-08	6.99E-09	2.16E-08	2.86E-08
852	437606	3762818	8.44E-08	2.88E-07	3.72E-07	1.31E-08	4.70E-08	6.01E-08	7.07E-09	2.18E-08	2.89E-08
853	437606	3762808	8.43E-08	2.87E-07	3.72E-07	1.31E-08	4.70E-08	6.01E-08	7.06E-09	2.18E-08	2.88E-08
854	437606	3762798	8.39E-08	2.86E-07	3.70E-07	1.30E-08	4.67E-08	5.98E-08	7.02E-09	2.17E-08	2.87E-08
855	437606	3762788	8.22E-08	2.80E-07	3.63E-07	1.28E-08	4.58E-08	5.86E-08	6.88E-09	2.12E-08	2.81E-08
856	437606.1	3762779	7.93E-08	2.70E-07	3.50E-07	1.23E-08	4.42E-08	5.65E-08	6.63E-09	2.05E-08	2.71E-08
857	437606.1	3762769	7.46E-08	2.54E-07	3.29E-07	1.16E-08	4.16E-08	5.32E-08	6.25E-09	1.93E-08	2.55E-08
858	437606.1	3762759	6.88E-08	2.35E-07	3.04E-07	1.07E-08	3.84E-08	4.90E-08	5.76E-09	1.78E-08	2.36E-08
859	437606.1	3762749	6.20E-08	2.12E-07	2.74E-07	9.64E-09	3.46E-08	4.42E-08	5.19E-09	1.60E-08	2.12E-08
860	437606.1	3762739	5.46E-08	1.86E-07	2.41E-07	8.48E-09	3.04E-08	3.89E-08	4.57E-09	1.41E-08	1.87E-08
861	437606.1	3762730	4.70E-08	1.60E-07	2.07E-07	7.30E-09	2.62E-08	3.35E-08	3.93E-09	1.21E-08	1.61E-08
862	437616	3762828	7.29E-08	2.49E-07	3.21E-07	1.13E-08	4.06E-08	5.19E-08	6.10E-09	1.88E-08	2.49E-08
863	437616	3762818	7.34E-08	2.50E-07	3.24E-07	1.14E-08	4.09E-08	5.23E-08	6.15E-09	1.90E-08	2.51E-08
864	437616	3762808	7.31E-08	2.49E-07	3.23E-07	1.14E-08	4.07E-08	5.21E-08	6.12E-09	1.89E-08	2.50E-08
865	437616	3762798	7.26E-08	2.47E-07	3.20E-07	1.13E-08	4.04E-08	5.17E-08	6.07E-09	1.88E-08	2.48E-08
866	437616	3762788	7.10E-08	2.42E-07	3.13E-07	1.10E-08	3.95E-08	5.06E-08	5.94E-09	1.83E-08	2.43E-08
867	437616.1	3762779	6.83E-08	2.33E-07	3.01E-07	1.06E-08	3.80E-08	4.86E-08	5.71E-09	1.76E-08	2.33E-08
868	437616.1	3762769	6.41E-08	2.19E-07	2.83E-07	9.97E-09	3.57E-08	4.57E-08	5.37E-09	1.66E-08	2.19E-08
869	437616.1	3762759	5.92E-08	2.02E-07	2.61E-07	9.19E-09	3.30E-08	4.21E-08	4.95E-09	1.53E-08	2.02E-08
870	437616.1	3762749	5.35E-08	1.82E-07	2.36E-07	8.31E-09	2.98E-08	3.81E-08	4.48E-09	1.38E-08	1.83E-08
871	437616.1	3762739	4.75E-08	1.62E-07	2.10E-07	7.38E-09	2.65E-08	3.39E-08	3.98E-09	1.23E-08	1.63E-08
872	437616.1	3762730	4.15E-08	1.41E-07	1.83E-07	6.44E-09	2.31E-08	2.95E-08	3.47E-09	1.07E-08	1.42E-08
873	437626	3762828	6.48E-08	2.21E-07	2.86E-07	1.01E-08	3.61E-08	4.62E-08	5.43E-09	1.68E-08	2.22E-08
874	437626	3762818	6.52E-08	2.22E-07	2.87E-07	1.01E-08	3.63E-08	4.64E-08	5.45E-09	1.68E-08	2.23E-08
875	437626	3762808	6.47E-08	2.21E-07	2.85E-07	1.01E-08	3.60E-08	4.61E-08	5.41E-09	1.67E-08	2.21E-08
876	437626	3762798	6.40E-08	2.18E-07	2.82E-07	9.94E-09	3.56E-08	4.56E-08	5.35E-09	1.65E-08	2.19E-08
877	437626	3762788	6.23E-08	2.13E-07	2.75E-07	9.69E-09	3.47E-08	4.44E-08	5.22E-09	1.61E-08	2.13E-08
878	437626.1	3762779	5.98E-08	2.04E-07	2.64E-07	9.29E-09	3.33E-08	4.26E-08	5.01E-09	1.55E-08	2.05E-08
879	437626.1	3762769	5.61E-08	1.91E-07	2.48E-07	8.72E-09	3.13E-08	4.00E-08	4.70E-09	1.45E-08	1.92E-08
880	437626.1	3762759	5.18E-08	1.77E-07	2.29E-07	8.05E-09	2.89E-08	3.69E-08	4.34E-09	1.34E-08	1.77E-08
881	437626.1	3762749	4.70E-08	1.60E-07	2.07E-07	7.31E-09	2.62E-08	3.35E-08	3.94E-09	1.22E-08	1.61E-08
882	437626.1	3762739	4.21E-08	1.44E-07	1.86E-07	6.54E-09	2.35E-08	3.00E-08	3.52E-09	1.09E-08	1.44E-08
883	437626.1	3762730	3.71E-08	1.27E-07	1.64E-07	5.77E-09	2.07E-08	2.65E-08	3.11E-09	9.60E-09	1.27E-08
884	437636	3762828	5.80E-08	1.98E-07	2.56E-07	9.01E-09	3.23E-08	4.13E-08	4.85E-09	1.50E-08	1.98E-08
885	437636	3762818	5.81E-08	1.98E-07	2.56E-07	9.03E-09	3.24E-08	4.14E-08	4.86E-09	1.50E-08	1.99E-08
886	437636	3762808	5.75E-08	1.96E-07	2.54E-07	8.94E-09	3.21E-08	4.10E-08	4.82E-09	1.49E-08	1.97E-08
887	437636	3762798	5.67E-08	1.93E-07	2.50E-07	8.81E-09	3.16E-08	4.04E-08	4.75E-09	1.47E-08	1.94E-08
888	437636	3762789	5.51E-08	1.88E-07	2.43E-07	8.56E-09	3.07E-08	3.93E-08	4.61E-09	1.42E-08	1.88E-08
889	437636.1	3762779	5.27E-08	1.80E-07	2.33E-07	8.19E-09	2.94E-08	3.76E-08	4.41E-09	1.36E-08	1.80E-08
890	437636.1	3762769	4.95E-08	1.69E-07	2.18E-07	7.69E-09	2.76E-08	3.53E-08	4.14E-09	1.28E-08	1.69E-08
891	437636.1	3762759	4.58E-08	1.56E-07	2.02E-07	7.11E-09	2.55E-08	3.26E-08	3.83E-09	1.18E-08	1.57E-08
892	437636.1	3762749	4.17E-08	1.42E-07	1.84E-07	6.48E-09	2.32E-08	2.97E-08	3.49E-09	1.08E-08	1.43E-08
893	437636.1	3762739	3.76E-08	1.28E-07	1.66E-07	5.84E-09	2.09E-08	2.68E-08	3.14E-09	9.71E-09	1.29E-08
894	437636.1	3762730	3.34E-08	1.14E-07	1.47E-07	5.19E-09	1.86E-08	2.38E-08	2.80E-09	8.64E-09	1.14E-08
895	437633.4	3762899	3.75E-08	1.28E-07	1.65E-07	5.83E-09	2.09E-08	2.67E-08	3.14E-09	9.69E-09	1.28E-08
896	437646	3762828	5.23E-08	1.78E-07	2.31E-07	8.12E-09	2.91E-08	3.72E-08	4.38E-09	1.35E-08	1.79E-08
897	437646	3762818	5.23E-08	1.78E-07	2.31E-07	8.12E-09	2.91E-08	3.72E-08	4.38E-09	1.35E-08	1.79E-08
898	437646	3762808	5.17E-08	1.76E-07	2.28E-07	8.03E-09	2.88E-08	3.68E-08	4.33E-09	1.34E-08	1.77E-08
899	437646	3762798	5.08E-08	1.73E-07	2.24E-07	7.89E-09	2.83E-08	3.62E-08	4.25E-09	1.31E-08	1.74E-08
900	437646	3762789	4.92E-08	1.68E-07	2.17E-07	7.64E-09	2.74E-08	3.51E-08	4.12E-09	1.27E-08	1.68E-08
901	437646.1	3762779	4.70E-08	1.60E-07	2.07E-07	7.30E-09	2.62E-08	3.35E-08	3.93E-09	1.21E-08	1.61E-08
902	437646.1	3762769	4.41E-08	1.50E-07	1.95E-07	6.86E-09	2.46E-08	3.14E-08	3.69E-09	1.14E-08	1.51E-08
903	437646.1	3762759	4.09E-08	1.39E-07	1.80E-07	6.35E-09	2.28E-08	2.91E-08	3.42E-09	1.06E-08	1.40E-08
904	437646.1	3762749	3.73E-08	1.27E-07	1.65E-07	5.80E-09	2.08E-08	2.66E-08	3.12E-09	9.64E-09	1.28E-08
905	437646.1	3762739	3.38E-08	1.15E-07	1.49E-07	5.25E-09	1.88E-08	2.41E-08	2.83E-09	8.72E-09	1.15E-08
906	437646.1	3762730	3.02E-08	1.03E-07	1.33E-07	4.69E-09	1.68E-08	2.15E-08	2.53E-09	7.80E-09	1.03E-08
907	437642	3762903	3.38E-08	1.15E-07	1.49E-07	5.25E-09	1.88E-08	2.41E-08	2.83E-09	8.73E-09	1.16E-08
908	437656	3762828	4.73E-08	1.61E-07	2.08E-07	7.35E-09	2.63E-08	3.37E-08	3.96E-09	1.22E-08	1.62E-08
909	437656	3762818	4.72E-08	1.61E-07	2.08E-07	7.34E-09	2.63E-08	3.37E-08	3.95E-09	1.22E-08	1.62E-08
910	437656	3762808	4.66E-08	1.59E-07	2.06E-07	7.25E-09	2.60E-08	3.32E-08	3.90E-09	1.21E-08	1.60E-08
911	437656	3762798	4.57E-08	1.56E-07	2.01E-07	7.09E-09	2.54E-08	3.25E-08	3.82E-09	1.18E-08	1.56E-08

912	437656	3762789	4.41E-08	1.50E-07	1.95E-07	6.86E-09	2.46E-08	3.14E-08	3.69E-09	1.14E-08	1.51E-08
913	437656.1	3762779	4.21E-08	1.43E-07	1.86E-07	6.54E-09	2.34E-08	3.00E-08	3.52E-09	1.09E-08	1.44E-08
914	437656.1	3762769	3.95E-08	1.35E-07	1.74E-07	6.14E-09	2.20E-08	2.82E-08	3.31E-09	1.02E-08	1.35E-08
915	437656.1	3762759	3.67E-08	1.25E-07	1.62E-07	5.70E-09	2.04E-08	2.61E-08	3.07E-09	9.47E-09	1.25E-08
916	437656.1	3762749	3.36E-08	1.15E-07	1.48E-07	5.22E-09	1.87E-08	2.39E-08	2.81E-09	8.68E-09	1.15E-08
917	437656.1	3762739	3.05E-08	1.04E-07	1.34E-07	4.74E-09	1.70E-08	2.17E-08	2.55E-09	7.87E-09	1.04E-08
918	437656.1	3762730	2.74E-08	9.34E-08	1.21E-07	4.26E-09	1.53E-08	1.95E-08	2.29E-09	7.08E-09	9.37E-09
919	437663.4	3762899	3.13E-08	1.07E-07	1.38E-07	4.87E-09	1.75E-08	2.23E-08	2.62E-09	8.10E-09	1.07E-08
920	437658.3	3762915	2.73E-08	9.30E-08	1.20E-07	4.24E-09	1.52E-08	1.94E-08	2.28E-09	7.05E-09	9.33E-09
921	437676	3762828	3.88E-08	1.32E-07	1.71E-07	6.03E-09	2.16E-08	2.76E-08	3.25E-09	1.00E-08	1.33E-08
922	437676	3762818	3.86E-08	1.32E-07	1.70E-07	5.99E-09	2.15E-08	2.75E-08	3.23E-09	9.97E-09	1.32E-08
923	437676	3762808	3.80E-08	1.29E-07	1.67E-07	5.90E-09	2.11E-08	2.70E-08	3.18E-09	9.81E-09	1.30E-08
924	437676	3762798	3.69E-08	1.26E-07	1.63E-07	5.74E-09	2.06E-08	2.63E-08	3.09E-09	9.55E-09	1.26E-08
925	437676	3762789	3.56E-08	1.21E-07	1.57E-07	5.53E-09	1.98E-08	2.53E-08	2.98E-09	9.19E-09	1.22E-08
926	437676.1	3762779	3.39E-08	1.15E-07	1.49E-07	5.26E-09	1.89E-08	2.41E-08	2.83E-09	8.75E-09	1.16E-08
927	437676.1	3762769	3.19E-08	1.09E-07	1.41E-07	4.95E-09	1.78E-08	2.27E-08	2.67E-09	8.23E-09	1.09E-08
928	437676.1	3762759	2.97E-08	1.01E-07	1.31E-07	4.61E-09	1.65E-08	2.12E-08	2.49E-09	7.67E-09	1.02E-08
929	437676.1	3762749	2.74E-08	9.34E-08	1.21E-07	4.26E-09	1.53E-08	1.95E-08	2.29E-09	7.08E-09	9.37E-09
930	437676.1	3762740	2.51E-08	8.55E-08	1.11E-07	3.89E-09	1.40E-08	1.79E-08	2.10E-09	6.48E-09	8.57E-09
931	437676.1	3762730	2.28E-08	7.76E-08	1.00E-07	3.54E-09	1.27E-08	1.62E-08	1.90E-09	5.88E-09	7.78E-09
932	437676.1	3762720	2.05E-08	7.01E-08	9.06E-08	3.19E-09	1.14E-08	1.46E-08	1.72E-09	5.31E-09	7.03E-09
933	437680.3	3762909	2.60E-08	8.88E-08	1.15E-07	4.05E-09	1.45E-08	1.85E-08	2.18E-09	6.73E-09	8.91E-09
934	437677.7	3762917	2.44E-08	8.33E-08	1.08E-07	3.80E-09	1.36E-08	1.74E-08	2.05E-09	6.31E-09	8.36E-09
935	437696	3762838	3.20E-08	1.09E-07	1.41E-07	4.98E-09	1.78E-08	2.28E-08	2.68E-09	8.27E-09	1.10E-08
936	437696	3762828	3.20E-08	1.09E-07	1.41E-07	4.98E-09	1.78E-08	2.28E-08	2.68E-09	8.28E-09	1.10E-08
937	437696	3762818	3.17E-08	1.08E-07	1.40E-07	4.93E-09	1.77E-08	2.26E-08	2.65E-09	8.20E-09	1.08E-08
938	437696	3762808	3.11E-08	1.06E-07	1.37E-07	4.83E-09	1.73E-08	2.22E-08	2.60E-09	8.04E-09	1.06E-08
939	437696	3762798	3.02E-08	1.03E-07	1.33E-07	4.69E-09	1.68E-08	2.15E-08	2.53E-09	7.80E-09	1.03E-08
940	437696	3762789	2.90E-08	9.90E-08	1.28E-07	4.51E-09	1.62E-08	2.07E-08	2.43E-09	7.50E-09	9.93E-09
941	437696.1	3762779	2.76E-08	9.43E-08	1.22E-07	4.30E-09	1.54E-08	1.97E-08	2.31E-09	7.14E-09	9.46E-09
942	437696.1	3762769	2.61E-08	8.90E-08	1.15E-07	4.05E-09	1.45E-08	1.86E-08	2.18E-09	6.74E-09	8.93E-09
943	437696.1	3762759	2.44E-08	8.33E-08	1.08E-07	3.79E-09	1.36E-08	1.74E-08	2.04E-09	6.31E-09	8.35E-09
944	437696.1	3762749	2.27E-08	7.73E-08	1.00E-07	3.52E-09	1.26E-08	1.62E-08	1.90E-09	5.86E-09	7.76E-09
945	437696.1	3762740	2.09E-08	7.13E-08	9.22E-08	3.25E-09	1.17E-08	1.49E-08	1.75E-09	5.40E-09	7.15E-09
946	437696.1	3762730	1.92E-08	6.54E-08	8.46E-08	2.98E-09	1.07E-08	1.37E-08	1.60E-09	4.95E-09	6.56E-09
947	437696.1	3762720	1.75E-08	5.96E-08	7.71E-08	2.72E-09	9.74E-09	1.25E-08	1.46E-09	4.52E-09	5.98E-09
948	437702.5	3762902	2.42E-08	8.25E-08	1.07E-07	3.76E-09	1.35E-08	1.72E-08	2.03E-09	6.25E-09	8.28E-09
949	437699.9	3762910	2.31E-08	7.89E-08	1.02E-07	3.60E-09	1.29E-08	1.65E-08	1.94E-09	5.98E-09	7.92E-09
950	437697.2	3762919	2.19E-08	7.48E-08	9.68E-08	3.41E-09	1.22E-08	1.56E-08	1.84E-09	5.67E-09	7.51E-09
951	437716	3762838	2.69E-08	9.16E-08	1.18E-07	4.17E-09	1.50E-08	1.91E-08	2.25E-09	6.94E-09	9.19E-09
952	437716	3762828	2.67E-08	9.12E-08	1.18E-07	4.16E-09	1.49E-08	1.91E-08	2.24E-09	6.91E-09	9.15E-09
953	437716	3762818	2.64E-08	9.00E-08	1.16E-07	4.10E-09	1.47E-08	1.88E-08	2.21E-09	6.82E-09	9.03E-09
954	437716	3762808	2.58E-08	8.80E-08	1.14E-07	4.01E-09	1.44E-08	1.84E-08	2.16E-09	6.67E-09	8.83E-09
955	437716	3762798	2.50E-08	8.54E-08	1.10E-07	3.89E-09	1.39E-08	1.78E-08	2.10E-09	6.47E-09	8.56E-09
956	437716	3762789	2.41E-08	8.21E-08	1.06E-07	3.74E-09	1.34E-08	1.72E-08	2.02E-09	6.22E-09	8.24E-09
957	437716.1	3762779	2.30E-08	7.83E-08	1.01E-07	3.57E-09	1.28E-08	1.64E-08	1.92E-09	5.93E-09	7.86E-09
958	437716.1	3762769	2.17E-08	7.41E-08	9.59E-08	3.38E-09	1.21E-08	1.55E-08	1.82E-09	5.62E-09	7.44E-09
959	437716.1	3762759	2.04E-08	6.97E-08	9.01E-08	3.17E-09	1.14E-08	1.46E-08	1.71E-09	5.28E-09	6.99E-09
960	437716.1	3762749	1.91E-08	6.50E-08	8.41E-08	2.96E-09	1.06E-08	1.36E-08	1.60E-09	4.93E-09	6.52E-09
961	437716.1	3762740	1.77E-08	6.04E-08	7.81E-08	2.75E-09	9.87E-09	1.26E-08	1.48E-09	4.58E-09	6.06E-09
962	437716.1	3762730	1.64E-08	5.58E-08	7.22E-08	2.54E-09	9.12E-09	1.17E-08	1.37E-09	4.23E-09	5.60E-09
963	437716.1	3762720	1.51E-08	5.13E-08	6.64E-08	2.34E-09	8.39E-09	1.07E-08	1.26E-09	3.89E-09	5.15E-09
964	437736	3762838	2.28E-08	7.77E-08	1.01E-07	3.54E-09	1.27E-08	1.62E-08	1.91E-09	5.89E-09	7.80E-09
965	437736	3762828	2.26E-08	7.71E-08	9.97E-08	3.51E-09	1.26E-08	1.61E-08	1.89E-09	5.84E-09	7.73E-09
966	437736	3762818	2.22E-08	7.58E-08	9.81E-08	3.46E-09	1.24E-08	1.58E-08	1.86E-09	5.75E-09	7.61E-09
967	437736	3762808	2.17E-08	7.41E-08	9.58E-08	3.38E-09	1.21E-08	1.55E-08	1.82E-09	5.61E-09	7.43E-09
968	437736	3762798	2.11E-08	7.18E-08	9.28E-08	3.27E-09	1.17E-08	1.50E-08	1.76E-09	5.44E-09	7.20E-09
969	437736	3762789	2.03E-08	6.91E-08	8.93E-08	3.15E-09	1.13E-08	1.44E-08	1.70E-09	5.23E-09	6.93E-09
970	437736.1	3762779	1.94E-08	6.60E-08	8.54E-08	3.01E-09	1.08E-08	1.38E-08	1.62E-09	5.00E-09	6.62E-09
971	437736.1	3762769	1.84E-08	6.27E-08	8.10E-08	2.86E-09	1.02E-08	1.31E-08	1.54E-09	4.75E-09	6.29E-09
972	437736.1	3762759	1.73E-08	5.91E-08	7.64E-08	2.69E-09	9.66E-09	1.24E-08	1.45E-09	4.48E-09	5.93E-09

973	437736.1	3762749	1.63E-08	5.55E-08	7.17E-08	2.53E-09	9.06E-09	1.16E-08	1.36E-09	4.20E-09	5.56E-09
974	437736.1	3762740	1.52E-08	5.18E-08	6.70E-08	2.36E-09	8.46E-09	1.08E-08	1.27E-09	3.93E-09	5.20E-09
975	437736.1	3762730	1.41E-08	4.82E-08	6.23E-08	2.20E-09	7.87E-09	1.01E-08	1.18E-09	3.65E-09	4.83E-09
976	437736.1	3762720	1.31E-08	4.46E-08	5.77E-08	2.03E-09	7.29E-09	9.33E-09	1.10E-09	3.38E-09	4.48E-09
977	437744.8	3762894	1.95E-08	6.63E-08	8.58E-08	3.02E-09	1.08E-08	1.39E-08	1.63E-09	5.03E-09	6.65E-09
978	437742	3762903	1.90E-08	6.49E-08	8.39E-08	2.96E-09	1.06E-08	1.36E-08	1.59E-09	4.92E-09	6.51E-09
979	437739.2	3762913	1.85E-08	6.31E-08	8.15E-08	2.87E-09	1.03E-08	1.32E-08	1.55E-09	4.78E-09	6.33E-09
980	437736.4	3762922	1.78E-08	6.08E-08	7.86E-08	2.77E-09	9.93E-09	1.27E-08	1.49E-09	4.61E-09	6.10E-09
981	437756	3762838	1.95E-08	6.66E-08	8.62E-08	3.04E-09	1.09E-08	1.39E-08	1.64E-09	5.05E-09	6.69E-09
982	437756	3762828	1.93E-08	6.59E-08	8.52E-08	3.00E-09	1.08E-08	1.38E-08	1.62E-09	4.99E-09	6.61E-09
983	437756	3762818	1.90E-08	6.47E-08	8.37E-08	2.95E-09	1.06E-08	1.35E-08	1.59E-09	4.90E-09	6.49E-09
984	437756	3762808	1.85E-08	6.31E-08	8.16E-08	2.87E-09	1.03E-08	1.32E-08	1.55E-09	4.78E-09	6.33E-09
985	437756	3762798	1.79E-08	6.11E-08	7.91E-08	2.79E-09	9.99E-09	1.28E-08	1.50E-09	4.63E-09	6.13E-09
986	437756	3762789	1.73E-08	5.89E-08	7.62E-08	2.68E-09	9.62E-09	1.23E-08	1.45E-09	4.46E-09	5.91E-09
987	437756.1	3762779	1.65E-08	5.64E-08	7.29E-08	2.57E-09	9.21E-09	1.18E-08	1.38E-09	4.27E-09	5.65E-09
988	437756.1	3762769	1.57E-08	5.36E-08	6.94E-08	2.44E-09	8.76E-09	1.12E-08	1.32E-09	4.06E-09	5.38E-09
989	437756.1	3762759	1.49E-08	5.08E-08	6.57E-08	2.31E-09	8.29E-09	1.06E-08	1.25E-09	3.85E-09	5.09E-09
990	437756.1	3762749	1.40E-08	4.78E-08	6.19E-08	2.18E-09	7.81E-09	9.99E-09	1.17E-09	3.62E-09	4.80E-09
991	437756.1	3762740	1.32E-08	4.49E-08	5.81E-08	2.05E-09	7.34E-09	9.39E-09	1.10E-09	3.40E-09	4.51E-09
992	437756.1	3762730	1.23E-08	4.20E-08	5.44E-08	1.92E-09	6.87E-09	8.78E-09	1.03E-09	3.18E-09	4.22E-09
993	437756.1	3762720	1.15E-08	3.92E-08	5.07E-08	1.79E-09	6.40E-09	8.19E-09	9.62E-10	2.97E-09	3.93E-09
994	437764.6	3762895	1.72E-08	5.88E-08	7.60E-08	2.68E-09	9.60E-09	1.23E-08	1.44E-09	4.45E-09	5.89E-09
995	437761.8	3762904	1.70E-08	5.78E-08	7.48E-08	2.64E-09	9.45E-09	1.21E-08	1.42E-09	4.38E-09	5.80E-09
996	437758.9	3762913	1.66E-08	5.65E-08	7.31E-08	2.58E-09	9.23E-09	1.18E-08	1.39E-09	4.28E-09	5.67E-09
997	437756.1	3762923	1.61E-08	5.48E-08	7.09E-08	2.50E-09	8.96E-09	1.15E-08	1.35E-09	4.15E-09	5.50E-09
998	437753.3	3762932	1.55E-08	5.28E-08	6.83E-08	2.41E-09	8.63E-09	1.10E-08	1.30E-09	4.00E-09	5.30E-09
999	437750.4	3762942	1.48E-08	5.06E-08	6.54E-08	2.30E-09	8.26E-09	1.06E-08	1.24E-09	3.83E-09	5.07E-09
1000	437747.6	3762951	1.41E-08	4.81E-08	6.21E-08	2.19E-09	7.85E-09	1.00E-08	1.18E-09	3.64E-09	4.82E-09
1001	437744.7	3762960	1.33E-08	4.54E-08	5.87E-08	2.07E-09	7.41E-09	9.48E-09	1.11E-09	3.44E-09	4.55E-09
1002	437741.9	3762970	1.25E-08	4.26E-08	5.51E-08	1.94E-09	6.97E-09	8.91E-09	1.05E-09	3.23E-09	4.28E-09
1003	437782.5	3762902	1.52E-08	5.18E-08	6.70E-08	2.36E-09	8.47E-09	1.08E-08	1.27E-09	3.93E-09	5.20E-09
1004	437779.9	3762910	1.50E-08	5.11E-08	6.61E-08	2.33E-09	8.36E-09	1.07E-08	1.26E-09	3.88E-09	5.13E-09
1005	437777.2	3762919	1.47E-08	5.02E-08	6.49E-08	2.29E-09	8.20E-09	1.05E-08	1.23E-09	3.80E-09	5.03E-09
1006	437774.5	3762928	1.43E-08	4.89E-08	6.33E-08	2.23E-09	7.99E-09	1.02E-08	1.20E-09	3.71E-09	4.91E-09
1007	437771.8	3762937	1.39E-08	4.74E-08	6.13E-08	2.16E-09	7.75E-09	9.91E-09	1.16E-09	3.59E-09	4.76E-09
1008	437769.1	3762946	1.34E-08	4.57E-08	5.91E-08	2.08E-09	7.47E-09	9.55E-09	1.12E-09	3.46E-09	4.58E-09
1009	437766.5	3762955	1.28E-08	4.38E-08	5.66E-08	2.00E-09	7.15E-09	9.15E-09	1.07E-09	3.32E-09	4.39E-09
1010	437763.8	3762964	1.22E-08	4.17E-08	5.40E-08	1.90E-09	6.82E-09	8.72E-09	1.02E-09	3.16E-09	4.19E-09
1011	437761.1	3762972	1.16E-08	3.96E-08	5.12E-08	1.80E-09	6.46E-09	8.26E-09	9.71E-10	3.00E-09	3.97E-09
1012	437758.4	3762981	1.09E-08	3.73E-08	4.83E-08	1.70E-09	6.10E-09	7.80E-09	9.16E-10	2.83E-09	3.74E-09
1013	437796	3762848	1.49E-08	5.08E-08	6.57E-08	2.31E-09	8.29E-09	1.06E-08	1.25E-09	3.85E-09	5.09E-09
1014	437796	3762838	1.48E-08	5.03E-08	6.51E-08	2.29E-09	8.22E-09	1.05E-08	1.23E-09	3.81E-09	5.05E-09
1015	437796	3762828	1.45E-08	4.96E-08	6.41E-08	2.26E-09	8.10E-09	1.04E-08	1.22E-09	3.76E-09	4.97E-09
1016	437794.2	3762929	1.30E-08	4.44E-08	5.75E-08	2.02E-09	7.26E-09	9.28E-09	1.09E-09	3.37E-09	4.46E-09
1017	437791.4	3762938	1.27E-08	4.33E-08	5.60E-08	1.97E-09	7.08E-09	9.05E-09	1.06E-09	3.28E-09	4.35E-09
1018	437788.7	3762947	1.23E-08	4.20E-08	5.43E-08	1.91E-09	6.86E-09	8.77E-09	1.03E-09	3.18E-09	4.21E-09
1019	437786	3762956	1.19E-08	4.05E-08	5.23E-08	1.84E-09	6.61E-09	8.46E-09	9.93E-10	3.07E-09	4.06E-09
1020	437783.3	3762965	1.14E-08	3.88E-08	5.02E-08	1.77E-09	6.34E-09	8.11E-09	9.53E-10	2.94E-09	3.89E-09
1021	437780.5	3762974	1.09E-08	3.70E-08	4.79E-08	1.69E-09	6.05E-09	7.73E-09	9.09E-10	2.80E-09	3.71E-09
1022	437777.8	3762983	1.03E-08	3.51E-08	4.54E-08	1.60E-09	5.74E-09	7.34E-09	8.62E-10	2.66E-09	3.52E-09
1023	437775.1	3762992	9.73E-09	3.32E-08	4.29E-08	1.51E-09	5.42E-09	6.93E-09	8.14E-10	2.51E-09	3.33E-09
1024	437816	3762848	1.31E-08	4.48E-08	5.79E-08	2.04E-09	7.31E-09	9.35E-09	1.10E-09	3.39E-09	4.49E-09
1025	437816	3762838	1.30E-08	4.43E-08	5.73E-08	2.02E-09	7.23E-09	9.25E-09	1.09E-09	3.36E-09	4.44E-09
1026	437816	3762828	1.28E-08	4.35E-08	5.63E-08	1.98E-09	7.11E-09	9.10E-09	1.07E-09	3.30E-09	4.37E-09
1027	437816	3762818	1.25E-08	4.26E-08	5.51E-08	1.94E-09	6.96E-09	8.91E-09	1.05E-09	3.23E-09	4.28E-09
1028	437816	3762808	1.22E-08	4.15E-08	5.36E-08	1.89E-09	6.77E-09	8.66E-09	1.02E-09	3.14E-09	4.16E-09
1029	437816	3762799	1.18E-08	4.01E-08	5.19E-08	1.83E-09	6.55E-09	8.38E-09	9.84E-10	3.04E-09	4.02E-09
1030	437816	3762789	1.13E-08	3.86E-08	4.99E-08	1.76E-09	6.31E-09	8.07E-09	9.48E-10	2.93E-09	3.87E-09
1031	437816.1	3762779	1.09E-08	3.70E-08	4.79E-08	1.69E-09	6.05E-09	7.74E-09	9.09E-10	2.81E-09	3.72E-09
1032	437816.1	3762769	1.04E-08	3.56E-08	4.60E-08	1.62E-09	5.81E-09	7.44E-09	8.74E-10	2.70E-09	3.57E-09
1033	437816.1	3762759	9.99E-09	3.41E-08	4.41E-08	1.55E-09	5.57E-09	7.12E-09	8.36E-10	2.58E-09	3.42E-09

1034	437816.1	3762750	9.54E-09	3.25E-08	4.21E-08	1.48E-09	5.31E-09	6.80E-09	7.98E-10	2.46E-09	3.26E-09
1035	437816.1	3762740	9.07E-09	3.09E-08	4.00E-08	1.41E-09	5.05E-09	6.46E-09	7.59E-10	2.34E-09	3.10E-09
1036	437816.1	3762730	8.59E-09	2.93E-08	3.79E-08	1.33E-09	4.78E-09	6.12E-09	7.19E-10	2.22E-09	2.94E-09
1037	437816.1	3762720	8.11E-09	2.77E-08	3.58E-08	1.26E-09	4.52E-09	5.78E-09	6.79E-10	2.10E-09	2.78E-09
1038	437800.1	3762976	1.02E-08	3.46E-08	4.48E-08	1.58E-09	5.66E-09	7.24E-09	8.50E-10	2.62E-09	3.47E-09
1039	437797.3	3762985	9.69E-09	3.30E-08	4.27E-08	1.51E-09	5.40E-09	6.90E-09	8.11E-10	2.50E-09	3.32E-09
1040	437794.5	3762994	9.20E-09	3.14E-08	4.06E-08	1.43E-09	5.13E-09	6.56E-09	7.70E-10	2.38E-09	3.15E-09
1041	437791.8	3763003	8.69E-09	2.96E-08	3.83E-08	1.35E-09	4.84E-09	6.19E-09	7.27E-10	2.24E-09	2.97E-09
1042	437836	3762848	1.16E-08	3.97E-08	5.13E-08	1.81E-09	6.48E-09	8.29E-09	9.74E-10	3.01E-09	3.98E-09
1043	437836	3762838	1.15E-08	3.92E-08	5.07E-08	1.79E-09	6.40E-09	8.19E-09	9.62E-10	2.97E-09	3.93E-09
1044	437836	3762828	1.13E-08	3.85E-08	4.98E-08	1.76E-09	6.29E-09	8.05E-09	9.46E-10	2.92E-09	3.86E-09
1045	437836	3762818	1.11E-08	3.77E-08	4.87E-08	1.72E-09	6.16E-09	7.87E-09	9.25E-10	2.86E-09	3.78E-09
1046	437836	3762808	1.08E-08	3.67E-08	4.75E-08	1.67E-09	6.00E-09	7.67E-09	9.02E-10	2.78E-09	3.68E-09
1047	437836	3762799	1.04E-08	3.56E-08	4.61E-08	1.62E-09	5.82E-09	7.44E-09	8.74E-10	2.70E-09	3.57E-09
1048	437836	3762789	1.01E-08	3.44E-08	4.44E-08	1.57E-09	5.61E-09	7.18E-09	8.43E-10	2.60E-09	3.45E-09
1049	437836.1	3762779	9.68E-09	3.30E-08	4.27E-08	1.50E-09	5.39E-09	6.90E-09	8.10E-10	2.50E-09	3.31E-09
1050	437836.1	3762769	9.32E-09	3.18E-08	4.11E-08	1.45E-09	5.19E-09	6.64E-09	7.80E-10	2.41E-09	3.19E-09
1051	437836.1	3762759	8.95E-09	3.05E-08	3.94E-08	1.39E-09	4.98E-09	6.37E-09	7.49E-10	2.31E-09	3.06E-09
1052	437836.1	3762750	8.54E-09	2.91E-08	3.76E-08	1.33E-09	4.76E-09	6.08E-09	7.15E-10	2.21E-09	2.92E-09
1053	437836.1	3762740	8.12E-09	2.77E-08	3.58E-08	1.26E-09	4.53E-09	5.79E-09	6.80E-10	2.10E-09	2.78E-09
1054	437836.1	3762730	7.71E-09	2.63E-08	3.40E-08	1.20E-09	4.30E-09	5.50E-09	6.46E-10	1.99E-09	2.64E-09
1055	437836.1	3762720	7.31E-09	2.49E-08	3.22E-08	1.14E-09	4.07E-09	5.21E-09	6.12E-10	1.89E-09	2.50E-09
1056	437844.8	3762894	1.10E-08	3.76E-08	4.86E-08	1.71E-09	6.14E-09	7.85E-09	9.23E-10	2.85E-09	3.77E-09
1057	437842	3762904	1.10E-08	3.76E-08	4.86E-08	1.71E-09	6.14E-09	7.85E-09	9.22E-10	2.85E-09	3.77E-09
1058	437839.2	3762913	1.10E-08	3.75E-08	4.85E-08	1.71E-09	6.12E-09	7.83E-09	9.20E-10	2.84E-09	3.76E-09
1059	437836.4	3762922	1.09E-08	3.72E-08	4.81E-08	1.70E-09	6.08E-09	7.78E-09	9.14E-10	2.82E-09	3.73E-09
1060	437833.6	3762931	1.08E-08	3.68E-08	4.76E-08	1.68E-09	6.01E-09	7.69E-09	9.03E-10	2.79E-09	3.69E-09
1061	437830.8	3762940	1.06E-08	3.62E-08	4.69E-08	1.65E-09	5.92E-09	7.57E-09	8.89E-10	2.75E-09	3.64E-09
1062	437828	3762950	1.04E-08	3.55E-08	4.59E-08	1.62E-09	5.80E-09	7.42E-09	8.72E-10	2.69E-09	3.56E-09
1063	437825.2	3762959	1.02E-08	3.47E-08	4.48E-08	1.58E-09	5.66E-09	7.24E-09	8.51E-10	2.63E-09	3.48E-09
1064	437822.4	3762968	9.85E-09	3.36E-08	4.35E-08	1.53E-09	5.49E-09	7.02E-09	8.25E-10	2.55E-09	3.37E-09
1065	437819.6	3762977	9.50E-09	3.24E-08	4.19E-08	1.48E-09	5.29E-09	6.77E-09	7.95E-10	2.45E-09	3.25E-09
1066	437816.8	3762986	9.11E-09	3.11E-08	4.02E-08	1.42E-09	5.07E-09	6.49E-09	7.62E-10	2.35E-09	3.12E-09
1067	437856	3762848	1.04E-08	3.54E-08	4.58E-08	1.61E-09	5.78E-09	7.39E-09	8.68E-10	2.68E-09	3.55E-09
1068	437856	3762838	1.02E-08	3.49E-08	4.51E-08	1.59E-09	5.70E-09	7.29E-09	8.57E-10	2.64E-09	3.50E-09
1069	437856	3762828	1.01E-08	3.43E-08	4.43E-08	1.56E-09	5.60E-09	7.16E-09	8.41E-10	2.60E-09	3.44E-09
1070	437856	3762818	9.84E-09	3.35E-08	4.34E-08	1.53E-09	5.48E-09	7.01E-09	8.23E-10	2.54E-09	3.36E-09
1071	437856	3762808	9.59E-09	3.27E-08	4.23E-08	1.49E-09	5.34E-09	6.83E-09	8.02E-10	2.48E-09	3.28E-09
1072	437856	3762799	9.31E-09	3.17E-08	4.11E-08	1.45E-09	5.19E-09	6.63E-09	7.79E-10	2.41E-09	3.18E-09
1073	437856	3762789	9.01E-09	3.07E-08	3.97E-08	1.40E-09	5.02E-09	6.42E-09	7.54E-10	2.33E-09	3.08E-09
1074	437856.1	3762779	8.69E-09	2.96E-08	3.83E-08	1.35E-09	4.84E-09	6.19E-09	7.28E-10	2.25E-09	2.97E-09
1075	437856.1	3762769	8.36E-09	2.85E-08	3.69E-08	1.30E-09	4.66E-09	5.96E-09	7.00E-10	2.16E-09	2.86E-09
1076	437856.1	3762759	8.02E-09	2.73E-08	3.54E-08	1.25E-09	4.47E-09	5.71E-09	6.71E-10	2.07E-09	2.74E-09
1077	437856.1	3762750	7.67E-09	2.62E-08	3.38E-08	1.19E-09	4.27E-09	5.47E-09	6.42E-10	1.98E-09	2.62E-09
1078	437856.1	3762740	7.32E-09	2.50E-08	3.23E-08	1.14E-09	4.08E-09	5.21E-09	6.13E-10	1.89E-09	2.50E-09
1079	437856.1	3762730	6.97E-09	2.38E-08	3.07E-08	1.08E-09	3.88E-09	4.96E-09	5.83E-10	1.80E-09	2.38E-09
1080	437856.1	3762720	6.62E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.72E-09	5.54E-10	1.71E-09	2.26E-09
1081	437874.9	3762894	9.46E-09	3.22E-08	4.17E-08	1.47E-09	5.27E-09	6.74E-09	7.91E-10	2.44E-09	3.23E-09
1082	437872.1	3762903	9.49E-09	3.23E-08	4.18E-08	1.47E-09	5.28E-09	6.76E-09	7.94E-10	2.45E-09	3.25E-09
1083	437869.4	3762912	9.49E-09	3.24E-08	4.19E-08	1.48E-09	5.29E-09	6.76E-09	7.95E-10	2.45E-09	3.25E-09
1084	437866.6	3762921	9.47E-09	3.23E-08	4.17E-08	1.47E-09	5.27E-09	6.74E-09	7.92E-10	2.45E-09	3.24E-09
1085	437863.8	3762930	9.40E-09	3.21E-08	4.15E-08	1.46E-09	5.24E-09	6.70E-09	7.87E-10	2.43E-09	3.22E-09
1086	437861.1	3762940	9.31E-09	3.17E-08	4.11E-08	1.45E-09	5.19E-09	6.63E-09	7.79E-10	2.41E-09	3.19E-09
1087	437858.3	3762949	9.18E-09	3.13E-08	4.05E-08	1.43E-09	5.11E-09	6.54E-09	7.68E-10	2.37E-09	3.14E-09
1088	437855.5	3762958	9.00E-09	3.07E-08	3.97E-08	1.40E-09	5.02E-09	6.42E-09	7.54E-10	2.33E-09	3.08E-09
1089	437852.8	3762967	8.81E-09	3.00E-08	3.89E-08	1.37E-09	4.91E-09	6.28E-09	7.37E-10	2.28E-09	3.01E-09
1090	437850	3762976	8.59E-09	2.93E-08	3.79E-08	1.33E-09	4.79E-09	6.12E-09	7.19E-10	2.22E-09	2.94E-09
1091	437847.2	3762985	8.34E-09	2.84E-08	3.68E-08	1.30E-09	4.65E-09	5.94E-09	6.98E-10	2.16E-09	2.85E-09
1092	437844.5	3762994	8.06E-09	2.75E-08	3.55E-08	1.25E-09	4.49E-09	5.74E-09	6.75E-10	2.08E-09	2.76E-09
1093	437841.7	3763003	7.75E-09	2.64E-08	3.42E-08	1.20E-09	4.32E-09	5.52E-09	6.48E-10	2.00E-09	2.65E-09
1094	437838.9	3763013	7.42E-09	2.53E-08	3.27E-08	1.15E-09	4.13E-09	5.28E-09	6.21E-10	1.92E-09	2.54E-09

1095	437836.2	3763022	7.07E-09	2.41E-08	3.12E-08	1.10E-09	3.94E-09	5.04E-09	5.92E-10	1.83E-09	2.42E-09
1096	437833.4	3763031	6.72E-09	2.29E-08	2.96E-08	1.04E-09	3.74E-09	4.79E-09	5.63E-10	1.74E-09	2.30E-09
1097	437886	3762848	8.81E-09	3.00E-08	3.89E-08	1.37E-09	4.91E-09	6.28E-09	7.37E-10	2.28E-09	3.01E-09
1098	437886	3762838	8.68E-09	2.96E-08	3.83E-08	1.35E-09	4.84E-09	6.19E-09	7.27E-10	2.24E-09	2.97E-09
1099	437886	3762828	8.52E-09	2.91E-08	3.76E-08	1.32E-09	4.75E-09	6.07E-09	7.13E-10	2.20E-09	2.92E-09
1100	437886	3762818	8.34E-09	2.84E-08	3.68E-08	1.30E-09	4.65E-09	5.94E-09	6.98E-10	2.15E-09	2.85E-09
1101	437886	3762808	8.13E-09	2.77E-08	3.59E-08	1.26E-09	4.53E-09	5.79E-09	6.81E-10	2.10E-09	2.78E-09
1102	437886	3762799	7.91E-09	2.70E-08	3.49E-08	1.23E-09	4.41E-09	5.64E-09	6.62E-10	2.04E-09	2.71E-09
1103	437886	3762789	7.68E-09	2.62E-08	3.39E-08	1.19E-09	4.28E-09	5.47E-09	6.43E-10	1.98E-09	2.63E-09
1104	437886.1	3762779	7.42E-09	2.53E-08	3.27E-08	1.15E-09	4.14E-09	5.29E-09	6.21E-10	1.92E-09	2.54E-09
1105	437886.1	3762769	7.16E-09	2.44E-08	3.16E-08	1.11E-09	3.99E-09	5.10E-09	5.99E-10	1.85E-09	2.45E-09
1106	437886.1	3762759	6.88E-09	2.35E-08	3.03E-08	1.07E-09	3.83E-09	4.90E-09	5.76E-10	1.78E-09	2.35E-09
1107	437886.1	3762750	6.60E-09	2.25E-08	2.91E-08	1.03E-09	3.68E-09	4.70E-09	5.52E-10	1.71E-09	2.26E-09
1108	437886.1	3762740	6.32E-09	2.15E-08	2.79E-08	9.82E-10	3.52E-09	4.50E-09	5.29E-10	1.63E-09	2.16E-09
1109	437886.1	3762730	6.03E-09	2.06E-08	2.66E-08	9.38E-10	3.36E-09	4.30E-09	5.05E-10	1.56E-09	2.06E-09
1110	437886.1	3762720	5.75E-09	1.96E-08	2.54E-08	8.94E-10	3.21E-09	4.10E-09	4.82E-10	1.49E-09	1.97E-09
1111	437905	3762894	8.17E-09	2.78E-08	3.60E-08	1.27E-09	4.55E-09	5.82E-09	6.84E-10	2.11E-09	2.79E-09
1112	437902.2	3762903	8.22E-09	2.80E-08	3.63E-08	1.28E-09	4.58E-09	5.86E-09	6.88E-10	2.13E-09	2.81E-09
1113	437899.5	3762912	8.26E-09	2.82E-08	3.64E-08	1.28E-09	4.60E-09	5.89E-09	6.91E-10	2.13E-09	2.83E-09
1114	437896.7	3762921	8.27E-09	2.82E-08	3.65E-08	1.28E-09	4.61E-09	5.89E-09	6.92E-10	2.14E-09	2.83E-09
1115	437872.1	3763002	7.18E-09	2.45E-08	3.17E-08	1.12E-09	4.00E-09	5.11E-09	6.01E-10	1.85E-09	2.46E-09
1116	437869.3	3763011	6.94E-09	2.37E-08	3.06E-08	1.08E-09	3.87E-09	4.95E-09	5.81E-10	1.79E-09	2.37E-09
1117	437866.6	3763020	6.69E-09	2.28E-08	2.95E-08	1.04E-09	3.73E-09	4.77E-09	5.60E-10	1.73E-09	2.29E-09
1118	437916	3762848	7.56E-09	2.58E-08	3.33E-08	1.17E-09	4.21E-09	5.38E-09	6.32E-10	1.95E-09	2.58E-09
1119	437916	3762838	7.44E-09	2.54E-08	3.28E-08	1.16E-09	4.14E-09	5.30E-09	6.23E-10	1.92E-09	2.55E-09
1120	437916	3762828	7.31E-09	2.49E-08	3.22E-08	1.14E-09	4.07E-09	5.20E-09	6.11E-10	1.89E-09	2.50E-09
1121	437916	3762818	7.15E-09	2.44E-08	3.15E-08	1.11E-09	3.98E-09	5.09E-09	5.99E-10	1.85E-09	2.45E-09
1122	437916	3762809	6.98E-09	2.38E-08	3.08E-08	1.08E-09	3.89E-09	4.97E-09	5.84E-10	1.80E-09	2.39E-09
1123	437916	3762799	6.80E-09	2.32E-08	3.00E-08	1.06E-09	3.79E-09	4.85E-09	5.69E-10	1.76E-09	2.33E-09
1124	437916	3762789	6.61E-09	2.25E-08	2.91E-08	1.03E-09	3.68E-09	4.71E-09	5.53E-10	1.71E-09	2.26E-09
1125	437916.1	3762779	6.40E-09	2.18E-08	2.82E-08	9.95E-10	3.57E-09	4.56E-09	5.36E-10	1.65E-09	2.19E-09
1126	437916.1	3762769	6.18E-09	2.11E-08	2.73E-08	9.61E-10	3.44E-09	4.41E-09	5.18E-10	1.60E-09	2.12E-09
1127	437916.1	3762759	5.96E-09	2.03E-08	2.63E-08	9.26E-10	3.32E-09	4.25E-09	4.99E-10	1.54E-09	2.04E-09
1128	437916.1	3762750	5.73E-09	1.95E-08	2.53E-08	8.91E-10	3.19E-09	4.08E-09	4.80E-10	1.48E-09	1.96E-09
1129	437916.1	3762740	5.50E-09	1.88E-08	2.43E-08	8.55E-10	3.06E-09	3.92E-09	4.60E-10	1.42E-09	1.88E-09
1130	437916.1	3762730	5.27E-09	1.80E-08	2.32E-08	8.19E-10	2.94E-09	3.75E-09	4.41E-10	1.36E-09	1.80E-09
1131	437916.1	3762720	5.04E-09	1.72E-08	2.22E-08	7.83E-10	2.81E-09	3.59E-09	4.22E-10	1.30E-09	1.72E-09
1132	437934.6	3762895	7.10E-09	2.42E-08	3.13E-08	1.10E-09	3.95E-09	5.06E-09	5.94E-10	1.83E-09	2.43E-09
1133	437931.7	3762904	7.16E-09	2.44E-08	3.16E-08	1.11E-09	3.99E-09	5.10E-09	6.00E-10	1.85E-09	2.45E-09
1134	437928.9	3762914	7.22E-09	2.46E-08	3.18E-08	1.12E-09	4.02E-09	5.14E-09	6.04E-10	1.87E-09	2.47E-09
1135	437926.1	3762923	7.25E-09	2.47E-08	3.20E-08	1.13E-09	4.04E-09	5.17E-09	6.07E-10	1.87E-09	2.48E-09
1136	437914.7	3762961	7.14E-09	2.43E-08	3.15E-08	1.11E-09	3.98E-09	5.09E-09	5.98E-10	1.84E-09	2.44E-09
1137	437911.8	3762970	7.06E-09	2.41E-08	3.11E-08	1.10E-09	3.93E-09	5.03E-09	5.91E-10	1.82E-09	2.41E-09
1138	437909	3762979	6.94E-09	2.37E-08	3.06E-08	1.08E-09	3.87E-09	4.95E-09	5.81E-10	1.79E-09	2.38E-09
1139	437906.2	3762989	6.81E-09	2.32E-08	3.00E-08	1.06E-09	3.79E-09	4.85E-09	5.70E-10	1.76E-09	2.33E-09
1140	437903.3	3762998	6.67E-09	2.27E-08	2.94E-08	1.04E-09	3.71E-09	4.75E-09	5.58E-10	1.72E-09	2.28E-09
1141	437900.5	3763008	6.50E-09	2.22E-08	2.87E-08	1.01E-09	3.62E-09	4.63E-09	5.44E-10	1.68E-09	2.22E-09
1142	437889.1	3763045	5.66E-09	1.93E-08	2.49E-08	8.79E-10	3.15E-09	4.03E-09	4.74E-10	1.46E-09	1.94E-09
1143	437886.3	3763054	5.41E-09	1.85E-08	2.39E-08	8.41E-10	3.01E-09	3.86E-09	4.53E-10	1.40E-09	1.85E-09
1144	437883.4	3763064	5.15E-09	1.76E-08	2.27E-08	8.01E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
1145	437946	3762848	6.55E-09	2.23E-08	2.89E-08	1.02E-09	3.65E-09	4.67E-09	5.48E-10	1.69E-09	2.24E-09
1146	437946	3762838	6.45E-09	2.20E-08	2.84E-08	1.00E-09	3.59E-09	4.59E-09	5.40E-10	1.67E-09	2.20E-09
1147	437946	3762828	6.33E-09	2.16E-08	2.79E-08	9.83E-10	3.52E-09	4.51E-09	5.30E-10	1.63E-09	2.16E-09
1148	437946	3762818	6.20E-09	2.11E-08	2.73E-08	9.63E-10	3.45E-09	4.41E-09	5.19E-10	1.60E-09	2.12E-09
1149	437946	3762809	6.05E-09	2.06E-08	2.67E-08	9.40E-10	3.37E-09	4.31E-09	5.06E-10	1.56E-09	2.07E-09
1150	437946	3762799	5.90E-09	2.01E-08	2.60E-08	9.16E-10	3.29E-09	4.20E-09	4.94E-10	1.52E-09	2.02E-09
1151	437946	3762789	5.74E-09	1.96E-08	2.53E-08	8.91E-10	3.20E-09	4.09E-09	4.80E-10	1.48E-09	1.96E-09
1152	437946.1	3762779	5.57E-09	1.90E-08	2.45E-08	8.65E-10	3.10E-09	3.96E-09	4.66E-10	1.44E-09	1.90E-09
1153	437946.1	3762769	5.39E-09	1.84E-08	2.38E-08	8.37E-10	3.00E-09	3.84E-09	4.51E-10	1.39E-09	1.84E-09
1154	437946.1	3762760	5.20E-09	1.77E-08	2.29E-08	8.08E-10	2.90E-09	3.71E-09	4.35E-10	1.34E-09	1.78E-09
1155	437946.1	3762750	5.02E-09	1.71E-08	2.21E-08	7.79E-10	2.79E-09	3.57E-09	4.20E-10	1.30E-09	1.72E-09

1156	437946.1	3762740	4.83E-09	1.65E-08	2.13E-08	7.50E-10	2.69E-09	3.44E-09	4.04E-10	1.25E-09	1.65E-09
1157	437946.1	3762730	4.64E-09	1.58E-08	2.05E-08	7.21E-10	2.58E-09	3.31E-09	3.88E-10	1.20E-09	1.59E-09
1158	437946.1	3762720	4.45E-09	1.52E-08	1.96E-08	6.92E-10	2.48E-09	3.17E-09	3.73E-10	1.15E-09	1.52E-09
1159	437945	3762960	6.40E-09	2.18E-08	2.82E-08	9.94E-10	3.56E-09	4.56E-09	5.35E-10	1.65E-09	2.19E-09
1160	437942.2	3762969	6.36E-09	2.17E-08	2.80E-08	9.87E-10	3.54E-09	4.53E-09	5.32E-10	1.64E-09	2.17E-09
1161	437939.3	3762978	6.30E-09	2.15E-08	2.78E-08	9.78E-10	3.51E-09	4.49E-09	5.27E-10	1.63E-09	2.15E-09
1162	437936.5	3762988	6.22E-09	2.12E-08	2.74E-08	9.66E-10	3.46E-09	4.43E-09	5.20E-10	1.61E-09	2.13E-09
1163	437933.7	3762997	6.12E-09	2.09E-08	2.70E-08	9.51E-10	3.41E-09	4.36E-09	5.12E-10	1.58E-09	2.09E-09
1164	437930.9	3763006	6.00E-09	2.05E-08	2.65E-08	9.33E-10	3.34E-09	4.28E-09	5.02E-10	1.55E-09	2.05E-09
1165	437919.6	3763043	5.37E-09	1.83E-08	2.37E-08	8.34E-10	2.99E-09	3.82E-09	4.49E-10	1.39E-09	1.84E-09
1166	437916.8	3763053	5.18E-09	1.76E-08	2.28E-08	8.04E-10	2.88E-09	3.69E-09	4.33E-10	1.34E-09	1.77E-09
1167	437914	3763062	4.97E-09	1.70E-08	2.19E-08	7.73E-10	2.77E-09	3.54E-09	4.16E-10	1.28E-09	1.70E-09
1168	437911.2	3763071	4.76E-09	1.62E-08	2.10E-08	7.40E-10	2.65E-09	3.39E-09	3.99E-10	1.23E-09	1.63E-09
1169	437908.4	3763081	4.55E-09	1.55E-08	2.01E-08	7.07E-10	2.53E-09	3.24E-09	3.81E-10	1.18E-09	1.56E-09
1170	437992	3762904	5.55E-09	1.89E-08	2.45E-08	8.62E-10	3.09E-09	3.95E-09	4.65E-10	1.43E-09	1.90E-09
1171	437989.2	3762913	5.62E-09	1.92E-08	2.48E-08	8.73E-10	3.13E-09	4.00E-09	4.70E-10	1.45E-09	1.92E-09
1172	437986.4	3762922	5.67E-09	1.94E-08	2.50E-08	8.82E-10	3.16E-09	4.04E-09	4.75E-10	1.47E-09	1.94E-09
1173	437983.6	3762931	5.71E-09	1.95E-08	2.52E-08	8.88E-10	3.18E-09	4.07E-09	4.78E-10	1.48E-09	1.95E-09
1174	437980.8	3762941	5.74E-09	1.96E-08	2.53E-08	8.92E-10	3.20E-09	4.09E-09	4.81E-10	1.48E-09	1.96E-09
1175	437978	3762950	5.75E-09	1.96E-08	2.54E-08	8.94E-10	3.21E-09	4.10E-09	4.82E-10	1.49E-09	1.97E-09
1176	437975.2	3762959	5.75E-09	1.96E-08	2.54E-08	8.94E-10	3.21E-09	4.10E-09	4.82E-10	1.49E-09	1.97E-09
1177	437950.1	3763042	5.04E-09	1.72E-08	2.22E-08	7.82E-10	2.81E-09	3.59E-09	4.22E-10	1.30E-09	1.72E-09
1178	437947.3	3763051	4.88E-09	1.67E-08	2.15E-08	7.59E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
1179	437944.5	3763060	4.73E-09	1.61E-08	2.08E-08	7.34E-10	2.63E-09	3.37E-09	3.96E-10	1.22E-09	1.62E-09
1180	437941.7	3763070	4.56E-09	1.56E-08	2.01E-08	7.09E-10	2.54E-09	3.25E-09	3.82E-10	1.18E-09	1.56E-09
1181	437938.9	3763079	4.39E-09	1.50E-08	1.94E-08	6.82E-10	2.44E-09	3.13E-09	3.67E-10	1.13E-09	1.50E-09
1182	437936.1	3763088	4.21E-09	1.44E-08	1.86E-08	6.54E-10	2.35E-09	3.00E-09	3.52E-10	1.09E-09	1.44E-09
1183	437933.3	3763097	4.03E-09	1.37E-08	1.78E-08	6.26E-10	2.24E-09	2.87E-09	3.37E-10	1.04E-09	1.38E-09
1184	438006	3762838	4.93E-09	1.68E-08	2.17E-08	7.66E-10	2.75E-09	3.51E-09	4.13E-10	1.27E-09	1.69E-09
1185	438006	3762828	4.86E-09	1.66E-08	2.14E-08	7.55E-10	2.71E-09	3.46E-09	4.06E-10	1.25E-09	1.66E-09
1186	438006	3762818	4.77E-09	1.63E-08	2.10E-08	7.41E-10	2.66E-09	3.40E-09	3.99E-10	1.23E-09	1.63E-09
1187	438006	3762809	4.67E-09	1.59E-08	2.06E-08	7.25E-10	2.60E-09	3.32E-09	3.90E-10	1.21E-09	1.60E-09
1188	438006	3762799	4.56E-09	1.55E-08	2.01E-08	7.08E-10	2.54E-09	3.25E-09	3.81E-10	1.18E-09	1.56E-09
1189	438006	3762789	4.44E-09	1.51E-08	1.96E-08	6.90E-10	2.47E-09	3.16E-09	3.72E-10	1.15E-09	1.52E-09
1190	438006.1	3762779	4.32E-09	1.47E-08	1.90E-08	6.71E-10	2.41E-09	3.08E-09	3.62E-10	1.12E-09	1.48E-09
1191	438006.1	3762769	4.19E-09	1.43E-08	1.85E-08	6.52E-10	2.34E-09	2.99E-09	3.51E-10	1.08E-09	1.43E-09
1192	438006.1	3762760	4.06E-09	1.39E-08	1.79E-08	6.32E-10	2.26E-09	2.90E-09	3.40E-10	1.05E-09	1.39E-09
1193	438006.1	3762750	3.93E-09	1.34E-08	1.73E-08	6.11E-10	2.19E-09	2.80E-09	3.29E-10	1.02E-09	1.35E-09
1194	438006.1	3762740	3.80E-09	1.30E-08	1.68E-08	5.91E-10	2.12E-09	2.71E-09	3.18E-10	9.83E-10	1.30E-09
1195	438006.1	3762730	3.67E-09	1.25E-08	1.62E-08	5.71E-10	2.05E-09	2.62E-09	3.07E-10	9.49E-10	1.26E-09
1196	438006.1	3762720	3.54E-09	1.21E-08	1.56E-08	5.50E-10	1.97E-09	2.52E-09	2.96E-10	9.15E-10	1.21E-09
1197	438022.1	3762903	4.95E-09	1.69E-08	2.18E-08	7.69E-10	2.76E-09	3.52E-09	4.14E-10	1.28E-09	1.69E-09
1198	438019.3	3762913	5.02E-09	1.71E-08	2.21E-08	7.80E-10	2.80E-09	3.57E-09	4.20E-10	1.30E-09	1.72E-09
1199	438016.5	3762922	5.08E-09	1.73E-08	2.24E-08	7.89E-10	2.83E-09	3.62E-09	4.25E-10	1.31E-09	1.74E-09
1200	438013.8	3762931	5.13E-09	1.75E-08	2.26E-08	7.97E-10	2.86E-09	3.65E-09	4.29E-10	1.32E-09	1.75E-09
1201	438011	3762940	5.16E-09	1.76E-08	2.28E-08	8.02E-10	2.87E-09	3.68E-09	4.32E-10	1.33E-09	1.76E-09
1202	438008.2	3762949	5.18E-09	1.77E-08	2.28E-08	8.05E-10	2.89E-09	3.69E-09	4.34E-10	1.34E-09	1.77E-09
1203	438005.4	3762958	5.19E-09	1.77E-08	2.29E-08	8.06E-10	2.89E-09	3.70E-09	4.34E-10	1.34E-09	1.77E-09
1204	438002.7	3762968	5.19E-09	1.77E-08	2.29E-08	8.06E-10	2.89E-09	3.70E-09	4.34E-10	1.34E-09	1.78E-09
1205	437999.9	3762977	5.18E-09	1.77E-08	2.28E-08	8.05E-10	2.89E-09	3.69E-09	4.33E-10	1.34E-09	1.77E-09
1206	437997.1	3762986	5.16E-09	1.76E-08	2.27E-08	8.01E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
1207	437994.3	3762995	5.12E-09	1.74E-08	2.26E-08	7.95E-10	2.85E-09	3.64E-09	4.28E-10	1.32E-09	1.75E-09
1208	437991.6	3763004	5.06E-09	1.73E-08	2.23E-08	7.86E-10	2.82E-09	3.61E-09	4.24E-10	1.31E-09	1.73E-09
1209	437988.8	3763013	4.99E-09	1.70E-08	2.20E-08	7.76E-10	2.78E-09	3.56E-09	4.18E-10	1.29E-09	1.71E-09
1210	437986	3763022	4.91E-09	1.67E-08	2.17E-08	7.63E-10	2.74E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
1211	437983.2	3763032	4.81E-09	1.64E-08	2.12E-08	7.47E-10	2.68E-09	3.42E-09	4.02E-10	1.24E-09	1.64E-09
1212	437980.5	3763041	4.69E-09	1.60E-08	2.07E-08	7.29E-10	2.61E-09	3.34E-09	3.93E-10	1.21E-09	1.61E-09
1213	437977.7	3763050	4.57E-09	1.56E-08	2.02E-08	7.10E-10	2.55E-09	3.26E-09	3.83E-10	1.18E-09	1.56E-09
1214	437974.9	3763059	4.45E-09	1.52E-08	1.96E-08	6.92E-10	2.48E-09	3.17E-09	3.73E-10	1.15E-09	1.52E-09
1215	438036	3762838	4.39E-09	1.50E-08	1.94E-08	6.82E-10	2.45E-09	3.13E-09	3.67E-10	1.13E-09	1.50E-09
1216	438036	3762828	4.32E-09	1.47E-08	1.90E-08	6.71E-10	2.40E-09	3.08E-09	3.61E-10	1.12E-09	1.48E-09

1217	438036	3762819	4.23E-09	1.44E-08	1.87E-08	6.57E-10	2.36E-09	3.01E-09	3.54E-10	1.09E-09	1.45E-09
1218	438036	3762809	4.14E-09	1.41E-08	1.83E-08	6.44E-10	2.31E-09	2.95E-09	3.47E-10	1.07E-09	1.42E-09
1219	438036	3762799	4.05E-09	1.38E-08	1.78E-08	6.29E-10	2.25E-09	2.88E-09	3.39E-10	1.05E-09	1.38E-09
1220	438036	3762789	3.95E-09	1.35E-08	1.74E-08	6.14E-10	2.20E-09	2.81E-09	3.31E-10	1.02E-09	1.35E-09
1221	438036.1	3762779	3.85E-09	1.31E-08	1.70E-08	5.98E-10	2.14E-09	2.74E-09	3.22E-10	9.94E-10	1.32E-09
1222	438036.1	3762769	3.74E-09	1.28E-08	1.65E-08	5.81E-10	2.08E-09	2.66E-09	3.13E-10	9.66E-10	1.28E-09
1223	438036.1	3762760	3.63E-09	1.24E-08	1.60E-08	5.64E-10	2.02E-09	2.59E-09	3.04E-10	9.38E-10	1.24E-09
1224	438036.1	3762750	3.52E-09	1.20E-08	1.55E-08	5.47E-10	1.96E-09	2.51E-09	2.95E-10	9.10E-10	1.20E-09
1225	438036.1	3762740	3.41E-09	1.16E-08	1.50E-08	5.30E-10	1.90E-09	2.43E-09	2.85E-10	8.81E-10	1.17E-09
1226	438036.1	3762730	3.30E-09	1.12E-08	1.45E-08	5.12E-10	1.84E-09	2.35E-09	2.76E-10	8.52E-10	1.13E-09
1227	438036.1	3762720	3.19E-09	1.09E-08	1.41E-08	4.95E-10	1.77E-09	2.27E-09	2.67E-10	8.23E-10	1.09E-09
1228	438052.2	3762903	4.43E-09	1.51E-08	1.96E-08	6.89E-10	2.47E-09	3.16E-09	3.71E-10	1.15E-09	1.52E-09
1229	438049.4	3762912	4.50E-09	1.53E-08	1.98E-08	6.99E-10	2.50E-09	3.20E-09	3.76E-10	1.16E-09	1.54E-09
1230	438046.6	3762921	4.55E-09	1.55E-08	2.01E-08	7.07E-10	2.54E-09	3.24E-09	3.81E-10	1.18E-09	1.56E-09
1231	438035.6	3762958	4.68E-09	1.60E-08	2.07E-08	7.28E-10	2.61E-09	3.34E-09	3.92E-10	1.21E-09	1.60E-09
1232	438032.9	3762967	4.69E-09	1.60E-08	2.07E-08	7.29E-10	2.61E-09	3.34E-09	3.93E-10	1.21E-09	1.61E-09
1233	438030.1	3762976	4.69E-09	1.60E-08	2.07E-08	7.29E-10	2.62E-09	3.34E-09	3.93E-10	1.21E-09	1.61E-09
1234	438027.3	3762985	4.68E-09	1.60E-08	2.07E-08	7.28E-10	2.61E-09	3.34E-09	3.92E-10	1.21E-09	1.60E-09
1235	438024.6	3762994	4.66E-09	1.59E-08	2.06E-08	7.24E-10	2.60E-09	3.32E-09	3.90E-10	1.20E-09	1.59E-09
1236	438021.8	3763003	4.63E-09	1.58E-08	2.04E-08	7.19E-10	2.58E-09	3.30E-09	3.87E-10	1.20E-09	1.58E-09
1237	438019.1	3763012	4.58E-09	1.56E-08	2.02E-08	7.12E-10	2.55E-09	3.26E-09	3.84E-10	1.18E-09	1.57E-09
1238	438016.3	3763021	4.53E-09	1.54E-08	2.00E-08	7.03E-10	2.52E-09	3.22E-09	3.79E-10	1.17E-09	1.55E-09
1239	438013.6	3763031	4.45E-09	1.52E-08	1.96E-08	6.91E-10	2.48E-09	3.17E-09	3.72E-10	1.15E-09	1.52E-09
1240	438010.8	3763040	4.36E-09	1.49E-08	1.92E-08	6.77E-10	2.43E-09	3.10E-09	3.65E-10	1.13E-09	1.49E-09
1241	438008	3763049	4.27E-09	1.46E-08	1.89E-08	6.64E-10	2.38E-09	3.05E-09	3.58E-10	1.10E-09	1.46E-09
1242	438005.3	3763058	4.18E-09	1.43E-08	1.84E-08	6.50E-10	2.33E-09	2.98E-09	3.50E-10	1.08E-09	1.43E-09
1243	438002.5	3763067	4.08E-09	1.39E-08	1.80E-08	6.34E-10	2.27E-09	2.91E-09	3.42E-10	1.05E-09	1.40E-09
1244	437999.8	3763076	3.98E-09	1.36E-08	1.75E-08	6.18E-10	2.21E-09	2.83E-09	3.33E-10	1.03E-09	1.36E-09
1245	437997	3763085	3.87E-09	1.32E-08	1.71E-08	6.01E-10	2.15E-09	2.75E-09	3.24E-10	9.99E-10	1.32E-09
1246	437994.3	3763094	3.75E-09	1.28E-08	1.66E-08	5.83E-10	2.09E-09	2.67E-09	3.14E-10	9.70E-10	1.28E-09
1247	437991.5	3763103	3.64E-09	1.24E-08	1.60E-08	5.65E-10	2.03E-09	2.59E-09	3.04E-10	9.39E-10	1.24E-09
1248	437988.8	3763112	3.51E-09	1.20E-08	1.55E-08	5.46E-10	1.96E-09	2.50E-09	2.94E-10	9.08E-10	1.20E-09
1249	437986	3763121	3.39E-09	1.15E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.83E-10	8.75E-10	1.16E-09
1250	437983.2	3763131	3.26E-09	1.11E-08	1.44E-08	5.06E-10	1.81E-09	2.32E-09	2.73E-10	8.42E-10	1.11E-09
1251	438066	3762838	3.92E-09	1.34E-08	1.73E-08	6.09E-10	2.18E-09	2.79E-09	3.28E-10	1.01E-09	1.34E-09
1252	438066	3762828	3.85E-09	1.31E-08	1.70E-08	5.99E-10	2.15E-09	2.74E-09	3.22E-10	9.95E-10	1.32E-09
1253	438066	3762819	3.78E-09	1.29E-08	1.67E-08	5.87E-10	2.10E-09	2.69E-09	3.16E-10	9.76E-10	1.29E-09
1254	438066	3762809	3.70E-09	1.26E-08	1.63E-08	5.75E-10	2.06E-09	2.64E-09	3.10E-10	9.56E-10	1.27E-09
1255	438066	3762799	3.62E-09	1.23E-08	1.60E-08	5.62E-10	2.02E-09	2.58E-09	3.03E-10	9.35E-10	1.24E-09
1256	438066	3762789	3.53E-09	1.21E-08	1.56E-08	5.49E-10	1.97E-09	2.52E-09	2.96E-10	9.13E-10	1.21E-09
1257	438066.1	3762779	3.45E-09	1.18E-08	1.52E-08	5.35E-10	1.92E-09	2.46E-09	2.88E-10	8.91E-10	1.18E-09
1258	438066.1	3762770	3.36E-09	1.14E-08	1.48E-08	5.21E-10	1.87E-09	2.39E-09	2.81E-10	8.67E-10	1.15E-09
1259	438066.1	3762760	3.26E-09	1.11E-08	1.44E-08	5.07E-10	1.82E-09	2.32E-09	2.73E-10	8.43E-10	1.12E-09
1260	438066.1	3762750	3.17E-09	1.08E-08	1.40E-08	4.92E-10	1.77E-09	2.26E-09	2.65E-10	8.19E-10	1.08E-09
1261	438066.1	3762740	3.07E-09	1.05E-08	1.36E-08	4.78E-10	1.71E-09	2.19E-09	2.57E-10	7.94E-10	1.05E-09
1262	438066.1	3762730	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.49E-10	7.69E-10	1.02E-09
1263	438066.1	3762720	2.88E-09	9.83E-09	1.27E-08	4.48E-10	1.61E-09	2.05E-09	2.41E-10	7.45E-10	9.86E-10
1264	438081.8	3762904	4.00E-09	1.36E-08	1.76E-08	6.21E-10	2.23E-09	2.85E-09	3.34E-10	1.03E-09	1.37E-09
1265	438079	3762914	4.05E-09	1.38E-08	1.79E-08	6.30E-10	2.26E-09	2.89E-09	3.39E-10	1.05E-09	1.39E-09
1266	438076.1	3762923	4.10E-09	1.40E-08	1.81E-08	6.38E-10	2.29E-09	2.92E-09	3.44E-10	1.06E-09	1.40E-09
1267	438067.7	3762951	4.20E-09	1.43E-08	1.85E-08	6.53E-10	2.34E-09	3.00E-09	3.52E-10	1.09E-09	1.44E-09
1268	438064.8	3762960	4.22E-09	1.44E-08	1.86E-08	6.56E-10	2.35E-09	3.01E-09	3.53E-10	1.09E-09	1.44E-09
1269	438062	3762970	4.23E-09	1.44E-08	1.87E-08	6.58E-10	2.36E-09	3.01E-09	3.54E-10	1.09E-09	1.45E-09
1270	438059.2	3762979	4.23E-09	1.44E-08	1.87E-08	6.58E-10	2.36E-09	3.02E-09	3.54E-10	1.09E-09	1.45E-09
1271	438056.4	3762988	4.23E-09	1.44E-08	1.87E-08	6.57E-10	2.36E-09	3.01E-09	3.54E-10	1.09E-09	1.45E-09
1272	438053.5	3762998	4.22E-09	1.44E-08	1.86E-08	6.55E-10	2.35E-09	3.00E-09	3.53E-10	1.09E-09	1.44E-09
1273	438050.7	3763007	4.19E-09	1.43E-08	1.85E-08	6.52E-10	2.34E-09	2.99E-09	3.51E-10	1.08E-09	1.43E-09
1274	438039.4	3763044	4.01E-09	1.37E-08	1.77E-08	6.23E-10	2.23E-09	2.85E-09	3.35E-10	1.04E-09	1.37E-09
1275	438036.6	3763054	3.94E-09	1.34E-08	1.74E-08	6.12E-10	2.19E-09	2.80E-09	3.29E-10	1.02E-09	1.35E-09
1276	438033.7	3763063	3.86E-09	1.32E-08	1.70E-08	6.00E-10	2.15E-09	2.75E-09	3.23E-10	9.98E-10	1.32E-09
1277	438030.9	3763072	3.78E-09	1.29E-08	1.67E-08	5.87E-10	2.11E-09	2.69E-09	3.16E-10	9.77E-10	1.29E-09

1278	438028.1	3763082	3.69E-09	1.26E-08	1.63E-08	5.73E-10	2.06E-09	2.63E-09	3.09E-10	9.54E-10	1.26E-09
1279	438025.2	3763091	3.60E-09	1.23E-08	1.59E-08	5.60E-10	2.01E-09	2.57E-09	3.01E-10	9.31E-10	1.23E-09
1280	438022.4	3763100	3.51E-09	1.20E-08	1.55E-08	5.45E-10	1.95E-09	2.50E-09	2.93E-10	9.06E-10	1.20E-09
1281	438019.6	3763110	3.40E-09	1.16E-08	1.50E-08	5.29E-10	1.90E-09	2.43E-09	2.85E-10	8.80E-10	1.16E-09
1282	438016.8	3763119	3.30E-09	1.12E-08	1.45E-08	5.12E-10	1.84E-09	2.35E-09	2.76E-10	8.52E-10	1.13E-09
1283	438013.9	3763128	3.19E-09	1.09E-08	1.41E-08	4.95E-10	1.78E-09	2.27E-09	2.67E-10	8.24E-10	1.09E-09
1284	438011.1	3763138	3.08E-09	1.05E-08	1.36E-08	4.78E-10	1.71E-09	2.19E-09	2.57E-10	7.95E-10	1.05E-09
1285	438008.3	3763147	2.96E-09	1.01E-08	1.31E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.65E-10	1.01E-09
1286	438096	3762838	3.52E-09	1.20E-08	1.55E-08	5.47E-10	1.96E-09	2.51E-09	2.95E-10	9.09E-10	1.20E-09
1287	438096	3762828	3.46E-09	1.18E-08	1.52E-08	5.37E-10	1.93E-09	2.46E-09	2.89E-10	8.93E-10	1.18E-09
1288	438096	3762819	3.39E-09	1.16E-08	1.50E-08	5.27E-10	1.89E-09	2.42E-09	2.84E-10	8.77E-10	1.16E-09
1289	438096	3762809	3.33E-09	1.13E-08	1.47E-08	5.17E-10	1.85E-09	2.37E-09	2.78E-10	8.60E-10	1.14E-09
1290	438096	3762799	3.26E-09	1.11E-08	1.44E-08	5.06E-10	1.81E-09	2.32E-09	2.73E-10	8.41E-10	1.11E-09
1291	438096	3762789	3.18E-09	1.09E-08	1.40E-08	4.94E-10	1.77E-09	2.27E-09	2.66E-10	8.22E-10	1.09E-09
1292	438096.1	3762779	3.11E-09	1.06E-08	1.37E-08	4.83E-10	1.73E-09	2.21E-09	2.60E-10	8.03E-10	1.06E-09
1293	438096.1	3762770	3.03E-09	1.03E-08	1.33E-08	4.70E-10	1.69E-09	2.16E-09	2.53E-10	7.82E-10	1.04E-09
1294	438096.1	3762760	2.95E-09	1.00E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.61E-10	1.01E-09
1295	438096.1	3762750	2.87E-09	9.77E-09	1.26E-08	4.45E-10	1.60E-09	2.04E-09	2.40E-10	7.40E-10	9.80E-10
1296	438096.1	3762740	2.78E-09	9.49E-09	1.23E-08	4.33E-10	1.55E-09	1.98E-09	2.33E-10	7.19E-10	9.52E-10
1297	438096.1	3762730	2.70E-09	9.21E-09	1.19E-08	4.20E-10	1.51E-09	1.92E-09	2.26E-10	6.98E-10	9.24E-10
1298	438096.1	3762721	2.62E-09	8.93E-09	1.16E-08	4.07E-10	1.46E-09	1.87E-09	2.19E-10	6.77E-10	8.96E-10
1299	438111.9	3762904	3.60E-09	1.23E-08	1.59E-08	5.59E-10	2.01E-09	2.57E-09	3.01E-10	9.30E-10	1.23E-09
1300	438109.1	3762913	3.65E-09	1.25E-08	1.61E-08	5.68E-10	2.04E-09	2.60E-09	3.06E-10	9.44E-10	1.25E-09
1301	438106.3	3762923	3.70E-09	1.26E-08	1.63E-08	5.75E-10	2.06E-09	2.64E-09	3.10E-10	9.57E-10	1.27E-09
1302	438097.9	3762951	3.81E-09	1.30E-08	1.68E-08	5.92E-10	2.12E-09	2.71E-09	3.19E-10	9.84E-10	1.30E-09
1303	438095	3762960	3.83E-09	1.31E-08	1.69E-08	5.95E-10	2.13E-09	2.73E-09	3.20E-10	9.89E-10	1.31E-09
1304	438092.2	3762969	3.84E-09	1.31E-08	1.69E-08	5.97E-10	2.14E-09	2.74E-09	3.22E-10	9.93E-10	1.31E-09
1305	438089.4	3762978	3.85E-09	1.31E-08	1.70E-08	5.98E-10	2.14E-09	2.74E-09	3.22E-10	9.95E-10	1.32E-09
1306	438086.6	3762988	3.85E-09	1.31E-08	1.70E-08	5.98E-10	2.15E-09	2.74E-09	3.22E-10	9.95E-10	1.32E-09
1307	438083.8	3762997	3.85E-09	1.31E-08	1.70E-08	5.98E-10	2.14E-09	2.74E-09	3.22E-10	9.94E-10	1.32E-09
1308	438081	3763006	3.83E-09	1.31E-08	1.69E-08	5.96E-10	2.14E-09	2.73E-09	3.21E-10	9.91E-10	1.31E-09
1309	438078.2	3763015	3.81E-09	1.30E-08	1.68E-08	5.93E-10	2.12E-09	2.72E-09	3.19E-10	9.86E-10	1.30E-09
1310	438069.8	3763043	3.71E-09	1.26E-08	1.64E-08	5.76E-10	2.07E-09	2.64E-09	3.10E-10	9.58E-10	1.27E-09
1311	438066.9	3763052	3.67E-09	1.25E-08	1.62E-08	5.71E-10	2.05E-09	2.62E-09	3.07E-10	9.49E-10	1.26E-09
1312	438064.1	3763062	3.62E-09	1.24E-08	1.60E-08	5.63E-10	2.02E-09	2.58E-09	3.03E-10	9.36E-10	1.24E-09
1313	438061.3	3763071	3.55E-09	1.21E-08	1.57E-08	5.52E-10	1.98E-09	2.53E-09	2.97E-10	9.17E-10	1.21E-09
1314	438058.5	3763080	3.49E-09	1.19E-08	1.54E-08	5.42E-10	1.94E-09	2.48E-09	2.92E-10	9.01E-10	1.19E-09
1315	438055.7	3763090	3.42E-09	1.17E-08	1.51E-08	5.31E-10	1.90E-09	2.43E-09	2.86E-10	8.83E-10	1.17E-09
1316	438052.9	3763099	3.34E-09	1.14E-08	1.47E-08	5.19E-10	1.86E-09	2.38E-09	2.80E-10	8.63E-10	1.14E-09
1317	438126	3762838	3.17E-09	1.08E-08	1.40E-08	4.93E-10	1.77E-09	2.26E-09	2.66E-10	8.20E-10	1.09E-09
1318	438126	3762828	3.12E-09	1.06E-08	1.38E-08	4.85E-10	1.74E-09	2.22E-09	2.61E-10	8.06E-10	1.07E-09
1319	438126	3762819	3.06E-09	1.04E-08	1.35E-08	4.76E-10	1.71E-09	2.18E-09	2.56E-10	7.91E-10	1.05E-09
1320	438126	3762809	3.00E-09	1.02E-08	1.32E-08	4.66E-10	1.67E-09	2.14E-09	2.51E-10	7.75E-10	1.03E-09
1321	438126	3762799	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.01E-09
1322	438126	3762789	2.88E-09	9.80E-09	1.27E-08	4.47E-10	1.60E-09	2.05E-09	2.41E-10	7.43E-10	9.84E-10
1323	438126.1	3762779	2.81E-09	9.58E-09	1.24E-08	4.36E-10	1.56E-09	2.00E-09	2.35E-10	7.26E-10	9.61E-10
1324	438126.1	3762770	2.74E-09	9.34E-09	1.21E-08	4.26E-10	1.53E-09	1.95E-09	2.29E-10	7.08E-10	9.37E-10
1325	438126.1	3762760	2.67E-09	9.11E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.24E-10	6.90E-10	9.14E-10
1326	438126.1	3762750	2.60E-09	8.87E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.18E-10	6.72E-10	8.89E-10
1327	438126.1	3762740	2.53E-09	8.63E-09	1.12E-08	3.93E-10	1.41E-09	1.80E-09	2.12E-10	6.54E-10	8.65E-10
1328	438126.1	3762730	2.46E-09	8.38E-09	1.08E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.35E-10	8.41E-10
1329	438126.1	3762721	2.39E-09	8.14E-09	1.05E-08	3.71E-10	1.33E-09	1.70E-09	2.00E-10	6.17E-10	8.17E-10
1330	438142	3762904	3.26E-09	1.11E-08	1.44E-08	5.06E-10	1.81E-09	2.32E-09	2.73E-10	8.41E-10	1.11E-09
1331	438139.2	3762913	3.31E-09	1.13E-08	1.46E-08	5.14E-10	1.84E-09	2.36E-09	2.77E-10	8.55E-10	1.13E-09
1332	438136.4	3762922	3.35E-09	1.14E-08	1.48E-08	5.21E-10	1.87E-09	2.39E-09	2.81E-10	8.67E-10	1.15E-09
1333	438116.8	3762987	3.53E-09	1.20E-08	1.56E-08	5.48E-10	1.97E-09	2.51E-09	2.95E-10	9.12E-10	1.21E-09
1334	438114.1	3762996	3.53E-09	1.20E-08	1.56E-08	5.49E-10	1.97E-09	2.52E-09	2.96E-10	9.12E-10	1.21E-09
1335	438111.3	3763005	3.53E-09	1.20E-08	1.56E-08	5.48E-10	1.97E-09	2.51E-09	2.95E-10	9.12E-10	1.21E-09
1336	438108.5	3763015	3.52E-09	1.20E-08	1.55E-08	5.47E-10	1.96E-09	2.51E-09	2.95E-10	9.09E-10	1.20E-09
1337	438100.1	3763042	3.46E-09	1.18E-08	1.52E-08	5.37E-10	1.93E-09	2.46E-09	2.89E-10	8.93E-10	1.18E-09
1338	438097.3	3763051	3.42E-09	1.17E-08	1.51E-08	5.32E-10	1.91E-09	2.44E-09	2.87E-10	8.85E-10	1.17E-09

1339	438094.5	3763061	3.38E-09	1.15E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.83E-10	8.75E-10	1.16E-09
1340	438091.7	3763070	3.34E-09	1.14E-08	1.47E-08	5.19E-10	1.86E-09	2.38E-09	2.80E-10	8.63E-10	1.14E-09
1341	438088.9	3763079	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.34E-09	2.75E-10	8.50E-10	1.13E-09
1342	438086.1	3763088	3.23E-09	1.10E-08	1.43E-08	5.03E-10	1.80E-09	2.30E-09	2.71E-10	8.36E-10	1.11E-09
1343	438083.3	3763097	3.17E-09	1.08E-08	1.40E-08	4.93E-10	1.77E-09	2.26E-09	2.66E-10	8.20E-10	1.09E-09
1344	438072.2	3763134	2.88E-09	9.83E-09	1.27E-08	4.48E-10	1.61E-09	2.05E-09	2.41E-10	7.45E-10	9.86E-10
1345	438069.4	3763143	2.80E-09	9.55E-09	1.24E-08	4.35E-10	1.56E-09	2.00E-09	2.34E-10	7.24E-10	9.58E-10
1346	438066.6	3763153	2.72E-09	9.27E-09	1.20E-08	4.22E-10	1.51E-09	1.94E-09	2.27E-10	7.02E-10	9.30E-10
1347	438063.8	3763162	2.63E-09	8.97E-09	1.16E-08	4.09E-10	1.47E-09	1.88E-09	2.20E-10	6.80E-10	9.00E-10
1348	438061	3763171	2.54E-09	8.68E-09	1.12E-08	3.95E-10	1.42E-09	1.81E-09	2.13E-10	6.57E-10	8.70E-10
1349	438058.2	3763180	2.47E-09	8.41E-09	1.09E-08	3.83E-10	1.37E-09	1.76E-09	2.06E-10	6.37E-10	8.43E-10
1350	438156	3762838	2.87E-09	9.78E-09	1.26E-08	4.46E-10	1.60E-09	2.04E-09	2.40E-10	7.41E-10	9.81E-10
1351	438156	3762829	2.82E-09	9.62E-09	1.24E-08	4.38E-10	1.57E-09	2.01E-09	2.36E-10	7.29E-10	9.65E-10
1352	438156	3762819	2.77E-09	9.44E-09	1.22E-08	4.30E-10	1.54E-09	1.97E-09	2.32E-10	7.15E-10	9.47E-10
1353	438156	3762809	2.72E-09	9.26E-09	1.20E-08	4.22E-10	1.51E-09	1.93E-09	2.27E-10	7.02E-10	9.29E-10
1354	438156	3762799	2.66E-09	9.08E-09	1.17E-08	4.14E-10	1.48E-09	1.90E-09	2.23E-10	6.88E-10	9.10E-10
1355	438156	3762789	2.61E-09	8.88E-09	1.15E-08	4.05E-10	1.45E-09	1.86E-09	2.18E-10	6.73E-10	8.91E-10
1356	438156.1	3762779	2.55E-09	8.69E-09	1.12E-08	3.96E-10	1.42E-09	1.82E-09	2.13E-10	6.58E-10	8.72E-10
1357	438156.1	3762770	2.49E-09	8.48E-09	1.10E-08	3.87E-10	1.39E-09	1.77E-09	2.08E-10	6.43E-10	8.51E-10
1358	438156.1	3762760	2.43E-09	8.28E-09	1.07E-08	3.77E-10	1.35E-09	1.73E-09	2.03E-10	6.27E-10	8.30E-10
1359	438156.1	3762750	2.37E-09	8.07E-09	1.04E-08	3.68E-10	1.32E-09	1.69E-09	1.98E-10	6.11E-10	8.09E-10
1360	438156.1	3762740	2.31E-09	7.87E-09	1.02E-08	3.59E-10	1.29E-09	1.64E-09	1.93E-10	5.96E-10	7.90E-10
1361	438156.1	3762730	2.25E-09	7.66E-09	9.90E-09	3.49E-10	1.25E-09	1.60E-09	1.88E-10	5.80E-10	7.68E-10
1362	438156.1	3762721	2.18E-09	7.45E-09	9.63E-09	3.39E-10	1.22E-09	1.56E-09	1.83E-10	5.64E-10	7.47E-10
1363	438181.8	3762905	2.88E-09	9.81E-09	1.27E-08	4.47E-10	1.60E-09	2.05E-09	2.41E-10	7.43E-10	9.84E-10
1364	438179	3762914	2.92E-09	9.96E-09	1.29E-08	4.54E-10	1.63E-09	2.08E-09	2.45E-10	7.55E-10	9.99E-10
1365	438176.2	3762923	2.96E-09	1.01E-08	1.31E-08	4.61E-10	1.65E-09	2.11E-09	2.48E-10	7.66E-10	1.01E-09
1366	438173.4	3762932	3.00E-09	1.02E-08	1.32E-08	4.67E-10	1.67E-09	2.14E-09	2.51E-10	7.76E-10	1.03E-09
1367	438170.5	3762942	3.04E-09	1.04E-08	1.34E-08	4.72E-10	1.69E-09	2.16E-09	2.54E-10	7.85E-10	1.04E-09
1368	438167.7	3762951	3.07E-09	1.05E-08	1.35E-08	4.77E-10	1.71E-09	2.19E-09	2.57E-10	7.93E-10	1.05E-09
1369	438164.9	3762960	3.10E-09	1.06E-08	1.37E-08	4.81E-10	1.73E-09	2.21E-09	2.59E-10	8.00E-10	1.06E-09
1370	438162.1	3762970	3.12E-09	1.06E-08	1.38E-08	4.85E-10	1.74E-09	2.22E-09	2.61E-10	8.06E-10	1.07E-09
1371	438159.3	3762979	3.14E-09	1.07E-08	1.38E-08	4.88E-10	1.75E-09	2.24E-09	2.63E-10	8.11E-10	1.07E-09
1372	438156.4	3762988	3.15E-09	1.08E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.15E-10	1.08E-09
1373	438153.6	3762998	3.16E-09	1.08E-08	1.40E-08	4.92E-10	1.76E-09	2.25E-09	2.65E-10	8.18E-10	1.08E-09
1374	438150.8	3763007	3.17E-09	1.08E-08	1.40E-08	4.92E-10	1.77E-09	2.26E-09	2.65E-10	8.19E-10	1.08E-09
1375	438148	3763016	3.17E-09	1.08E-08	1.40E-08	4.92E-10	1.77E-09	2.26E-09	2.65E-10	8.19E-10	1.08E-09
1376	438145.1	3763026	3.16E-09	1.08E-08	1.40E-08	4.92E-10	1.76E-09	2.25E-09	2.65E-10	8.18E-10	1.08E-09
1377	438142.3	3763035	3.16E-09	1.08E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.15E-10	1.08E-09
1378	438139.5	3763044	3.14E-09	1.07E-08	1.38E-08	4.88E-10	1.75E-09	2.24E-09	2.63E-10	8.11E-10	1.07E-09
1379	438111.3	3763137	2.70E-09	9.20E-09	1.19E-08	4.19E-10	1.50E-09	1.92E-09	2.26E-10	6.97E-10	9.23E-10
1380	438108.5	3763147	2.63E-09	8.97E-09	1.16E-08	4.09E-10	1.47E-09	1.87E-09	2.20E-10	6.80E-10	9.00E-10
1381	438105.6	3763156	2.57E-09	8.77E-09	1.13E-08	4.00E-10	1.43E-09	1.83E-09	2.15E-10	6.65E-10	8.80E-10
1382	438102.8	3763165	2.50E-09	8.53E-09	1.10E-08	3.88E-10	1.39E-09	1.78E-09	2.09E-10	6.46E-10	8.55E-10
1383	438100	3763174	2.42E-09	8.27E-09	1.07E-08	3.77E-10	1.35E-09	1.73E-09	2.03E-10	6.27E-10	8.30E-10
1384	438097.2	3763184	2.35E-09	8.00E-09	1.04E-08	3.65E-10	1.31E-09	1.67E-09	1.96E-10	6.06E-10	8.03E-10
1385	438094.3	3763193	2.27E-09	7.73E-09	1.00E-08	3.52E-10	1.26E-09	1.62E-09	1.90E-10	5.86E-10	7.76E-10
1386	438091.5	3763202	2.19E-09	7.46E-09	9.65E-09	3.40E-10	1.22E-09	1.56E-09	1.83E-10	5.65E-10	7.48E-10
1387	438196	3762838	2.52E-09	8.60E-09	1.11E-08	3.92E-10	1.40E-09	1.80E-09	2.11E-10	6.52E-10	8.63E-10
1388	438196	3762829	2.48E-09	8.46E-09	1.09E-08	3.85E-10	1.38E-09	1.77E-09	2.08E-10	6.41E-10	8.48E-10
1389	438196	3762819	2.44E-09	8.31E-09	1.07E-08	3.79E-10	1.36E-09	1.74E-09	2.04E-10	6.30E-10	8.34E-10
1390	438196	3762809	2.39E-09	8.15E-09	1.05E-08	3.72E-10	1.33E-09	1.70E-09	2.00E-10	6.18E-10	8.18E-10
1391	438196	3762799	2.35E-09	8.00E-09	1.03E-08	3.65E-10	1.31E-09	1.67E-09	1.96E-10	6.06E-10	8.03E-10
1392	438196	3762789	2.30E-09	7.84E-09	1.01E-08	3.57E-10	1.28E-09	1.64E-09	1.93E-10	5.94E-10	7.87E-10
1393	438196.1	3762780	2.25E-09	7.68E-09	9.94E-09	3.50E-10	1.26E-09	1.61E-09	1.89E-10	5.82E-10	7.71E-10
1394	438196.1	3762770	2.20E-09	7.51E-09	9.71E-09	3.42E-10	1.23E-09	1.57E-09	1.84E-10	5.69E-10	7.53E-10
1395	438196.1	3762760	2.15E-09	7.34E-09	9.49E-09	3.34E-10	1.20E-09	1.53E-09	1.80E-10	5.56E-10	7.36E-10
1396	438196.1	3762750	2.10E-09	7.16E-09	9.26E-09	3.26E-10	1.17E-09	1.50E-09	1.76E-10	5.43E-10	7.18E-10
1397	438196.1	3762740	2.05E-09	6.99E-09	9.04E-09	3.19E-10	1.14E-09	1.46E-09	1.72E-10	5.30E-10	7.01E-10
1398	438196.1	3762730	2.00E-09	6.82E-09	8.82E-09	3.11E-10	1.11E-09	1.42E-09	1.67E-10	5.17E-10	6.84E-10
1399	438196.1	3762721	1.95E-09	6.65E-09	8.60E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.67E-10

1400	438222	3762904	2.54E-09	8.65E-09	1.12E-08	3.94E-10	1.41E-09	1.81E-09	2.12E-10	6.55E-10	8.68E-10
1401	438219.3	3762913	2.58E-09	8.80E-09	1.14E-08	4.01E-10	1.44E-09	1.84E-09	2.16E-10	6.67E-10	8.83E-10
1402	438216.5	3762922	2.62E-09	8.95E-09	1.16E-08	4.08E-10	1.46E-09	1.87E-09	2.20E-10	6.78E-10	8.98E-10
1403	438213.7	3762931	2.66E-09	9.07E-09	1.17E-08	4.13E-10	1.48E-09	1.89E-09	2.23E-10	6.87E-10	9.10E-10
1404	438210.9	3762941	2.69E-09	9.18E-09	1.19E-08	4.18E-10	1.50E-09	1.92E-09	2.25E-10	6.96E-10	9.21E-10
1405	438208.2	3762950	2.72E-09	9.28E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.03E-10	9.31E-10
1406	438205.4	3762959	2.75E-09	9.38E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.10E-10	9.41E-10
1407	438202.6	3762968	2.77E-09	9.46E-09	1.22E-08	4.31E-10	1.55E-09	1.98E-09	2.32E-10	7.17E-10	9.49E-10
1408	438199.8	3762977	2.79E-09	9.53E-09	1.23E-08	4.34E-10	1.56E-09	1.99E-09	2.34E-10	7.22E-10	9.56E-10
1409	438197	3762986	2.81E-09	9.59E-09	1.24E-08	4.37E-10	1.57E-09	2.00E-09	2.35E-10	7.27E-10	9.62E-10
1410	438194.3	3762996	2.83E-09	9.64E-09	1.25E-08	4.39E-10	1.57E-09	2.01E-09	2.37E-10	7.30E-10	9.67E-10
1411	438191.5	3763005	2.84E-09	9.67E-09	1.25E-08	4.41E-10	1.58E-09	2.02E-09	2.37E-10	7.33E-10	9.70E-10
1412	438188.7	3763014	2.84E-09	9.70E-09	1.25E-08	4.42E-10	1.58E-09	2.03E-09	2.38E-10	7.35E-10	9.73E-10
1413	438185.9	3763023	2.85E-09	9.71E-09	1.26E-08	4.42E-10	1.59E-09	2.03E-09	2.38E-10	7.36E-10	9.74E-10
1414	438183.1	3763032	2.85E-09	9.70E-09	1.26E-08	4.42E-10	1.59E-09	2.03E-09	2.38E-10	7.35E-10	9.74E-10
1415	438180.4	3763041	2.84E-09	9.69E-09	1.25E-08	4.41E-10	1.58E-09	2.02E-09	2.38E-10	7.34E-10	9.72E-10
1416	438177.6	3763051	2.83E-09	9.65E-09	1.25E-08	4.40E-10	1.58E-09	2.02E-09	2.37E-10	7.31E-10	9.68E-10
1417	438174.8	3763060	2.82E-09	9.61E-09	1.24E-08	4.38E-10	1.57E-09	2.01E-09	2.36E-10	7.28E-10	9.64E-10
1418	438172	3763069	2.80E-09	9.55E-09	1.24E-08	4.35E-10	1.56E-09	2.00E-09	2.34E-10	7.24E-10	9.58E-10
1419	438169.2	3763078	2.78E-09	9.48E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.51E-10
1420	438166.5	3763087	2.75E-09	9.39E-09	1.21E-08	4.28E-10	1.53E-09	1.96E-09	2.30E-10	7.11E-10	9.42E-10
1421	438163.7	3763096	2.72E-09	9.28E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.03E-10	9.31E-10
1422	438160.9	3763106	2.69E-09	9.16E-09	1.18E-08	4.17E-10	1.50E-09	1.91E-09	2.25E-10	6.94E-10	9.19E-10
1423	438158.1	3763115	2.65E-09	9.02E-09	1.17E-08	4.11E-10	1.47E-09	1.88E-09	2.21E-10	6.84E-10	9.05E-10
1424	438155.3	3763124	2.60E-09	8.86E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.18E-10	6.72E-10	8.89E-10
1425	438152.6	3763133	2.55E-09	8.69E-09	1.12E-08	3.96E-10	1.42E-09	1.82E-09	2.13E-10	6.59E-10	8.72E-10
1426	438149.8	3763142	2.50E-09	8.51E-09	1.10E-08	3.88E-10	1.39E-09	1.78E-09	2.09E-10	6.45E-10	8.54E-10
1427	438147	3763151	2.46E-09	8.37E-09	1.08E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.34E-10	8.40E-10
1428	438144.2	3763161	2.40E-09	8.18E-09	1.06E-08	3.73E-10	1.34E-09	1.71E-09	2.01E-10	6.20E-10	8.21E-10
1429	438141.4	3763170	2.34E-09	7.99E-09	1.03E-08	3.64E-10	1.30E-09	1.67E-09	1.96E-10	6.05E-10	8.01E-10
1430	438138.7	3763179	2.28E-09	7.79E-09	1.01E-08	3.55E-10	1.27E-09	1.63E-09	1.91E-10	5.90E-10	7.81E-10
1431	438135.9	3763188	2.22E-09	7.58E-09	9.81E-09	3.46E-10	1.24E-09	1.58E-09	1.86E-10	5.75E-10	7.61E-10
1432	438133.1	3763197	2.16E-09	7.37E-09	9.53E-09	3.36E-10	1.20E-09	1.54E-09	1.81E-10	5.58E-10	7.39E-10
1433	438130.3	3763206	2.10E-09	7.15E-09	9.25E-09	3.26E-10	1.17E-09	1.49E-09	1.76E-10	5.42E-10	7.17E-10
1434	438127.6	3763216	2.03E-09	6.93E-09	8.97E-09	3.16E-10	1.13E-09	1.45E-09	1.70E-10	5.25E-10	6.96E-10
1435	438236	3762838	2.24E-09	7.65E-09	9.89E-09	3.48E-10	1.25E-09	1.60E-09	1.88E-10	5.79E-10	7.67E-10
1436	438236	3762829	2.21E-09	7.52E-09	9.73E-09	3.43E-10	1.23E-09	1.57E-09	1.85E-10	5.70E-10	7.55E-10
1437	438236	3762819	2.17E-09	7.40E-09	9.56E-09	3.37E-10	1.21E-09	1.55E-09	1.82E-10	5.60E-10	7.42E-10
1438	438236	3762809	2.13E-09	7.26E-09	9.39E-09	3.31E-10	1.19E-09	1.52E-09	1.78E-10	5.50E-10	7.29E-10
1439	438236	3762799	2.09E-09	7.13E-09	9.22E-09	3.25E-10	1.16E-09	1.49E-09	1.75E-10	5.40E-10	7.15E-10
1440	438236	3762789	2.05E-09	6.99E-09	9.04E-09	3.18E-10	1.14E-09	1.46E-09	1.71E-10	5.29E-10	7.01E-10
1441	438236.1	3762780	2.01E-09	6.84E-09	8.85E-09	3.12E-10	1.12E-09	1.43E-09	1.68E-10	5.19E-10	6.87E-10
1442	438236.1	3762770	1.96E-09	6.70E-09	8.66E-09	3.05E-10	1.09E-09	1.40E-09	1.64E-10	5.08E-10	6.72E-10
1443	438236.1	3762760	1.92E-09	6.55E-09	8.47E-09	2.98E-10	1.07E-09	1.37E-09	1.61E-10	4.96E-10	6.57E-10
1444	438236.1	3762750	1.88E-09	6.40E-09	8.28E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.85E-10	6.42E-10
1445	438261.9	3762904	2.25E-09	7.68E-09	9.94E-09	3.50E-10	1.26E-09	1.61E-09	1.89E-10	5.82E-10	7.71E-10
1446	438259.1	3762914	2.29E-09	7.81E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.92E-10	7.84E-10
1447	438256.3	3762923	2.33E-09	7.93E-09	1.03E-08	3.61E-10	1.30E-09	1.66E-09	1.95E-10	6.01E-10	7.96E-10
1448	438253.5	3762932	2.36E-09	8.05E-09	1.04E-08	3.67E-10	1.31E-09	1.68E-09	1.98E-10	6.10E-10	8.07E-10
1449	438250.7	3762941	2.39E-09	8.15E-09	1.05E-08	3.71E-10	1.33E-09	1.70E-09	2.00E-10	6.18E-10	8.18E-10
1450	438247.9	3762951	2.42E-09	8.25E-09	1.07E-08	3.76E-10	1.35E-09	1.72E-09	2.02E-10	6.25E-10	8.28E-10
1451	438245.1	3762960	2.45E-09	8.34E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.05E-10	6.32E-10	8.37E-10
1452	438242.3	3762969	2.47E-09	8.43E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.39E-10	8.45E-10
1453	438239.5	3762978	2.49E-09	8.50E-09	1.10E-08	3.88E-10	1.39E-09	1.78E-09	2.09E-10	6.44E-10	8.53E-10
1454	438236.7	3762988	2.51E-09	8.57E-09	1.11E-08	3.90E-10	1.40E-09	1.79E-09	2.10E-10	6.49E-10	8.60E-10
1455	438233.9	3762997	2.53E-09	8.63E-09	1.12E-08	3.93E-10	1.41E-09	1.80E-09	2.12E-10	6.54E-10	8.65E-10
1456	438231	3763006	2.54E-09	8.67E-09	1.12E-08	3.95E-10	1.42E-09	1.81E-09	2.13E-10	6.57E-10	8.70E-10
1457	438228.2	3763015	2.55E-09	8.71E-09	1.13E-08	3.97E-10	1.42E-09	1.82E-09	2.14E-10	6.60E-10	8.74E-10
1458	438225.4	3763025	2.56E-09	8.74E-09	1.13E-08	3.98E-10	1.43E-09	1.83E-09	2.14E-10	6.62E-10	8.76E-10
1459	438222.6	3763034	2.57E-09	8.75E-09	1.13E-08	3.99E-10	1.43E-09	1.83E-09	2.15E-10	6.63E-10	8.78E-10
1460	438219.8	3763043	2.57E-09	8.76E-09	1.13E-08	3.99E-10	1.43E-09	1.83E-09	2.15E-10	6.64E-10	8.79E-10

1461	438217	3763052	2.57E-09	8.75E-09	1.13E-08	3.99E-10	1.43E-09	1.83E-09	2.15E-10	6.63E-10	8.78E-10
1462	438214.2	3763062	2.56E-09	8.73E-09	1.13E-08	3.98E-10	1.43E-09	1.82E-09	2.14E-10	6.61E-10	8.75E-10
1463	438211.4	3763071	2.55E-09	8.69E-09	1.12E-08	3.96E-10	1.42E-09	1.82E-09	2.13E-10	6.59E-10	8.72E-10
1464	438208.6	3763080	2.54E-09	8.65E-09	1.12E-08	3.94E-10	1.41E-09	1.81E-09	2.12E-10	6.55E-10	8.67E-10
1465	438205.8	3763089	2.52E-09	8.58E-09	1.11E-08	3.91E-10	1.40E-09	1.79E-09	2.11E-10	6.50E-10	8.61E-10
1466	438203	3763099	2.49E-09	8.51E-09	1.10E-08	3.88E-10	1.39E-09	1.78E-09	2.09E-10	6.45E-10	8.53E-10
1467	438200.2	3763108	2.47E-09	8.42E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.38E-10	8.45E-10
1468	438197.4	3763117	2.44E-09	8.32E-09	1.08E-08	3.79E-10	1.36E-09	1.74E-09	2.04E-10	6.30E-10	8.34E-10
1469	438194.6	3763126	2.40E-09	8.20E-09	1.06E-08	3.74E-10	1.34E-09	1.71E-09	2.01E-10	6.21E-10	8.23E-10
1470	438191.8	3763136	2.37E-09	8.07E-09	1.04E-08	3.68E-10	1.32E-09	1.69E-09	1.98E-10	6.12E-10	8.10E-10
1471	438189	3763145	2.33E-09	7.94E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.02E-10	7.96E-10
1472	438186.2	3763154	2.29E-09	7.79E-09	1.01E-08	3.55E-10	1.27E-09	1.63E-09	1.91E-10	5.91E-10	7.82E-10
1473	438183.3	3763163	2.25E-09	7.68E-09	9.93E-09	3.50E-10	1.25E-09	1.60E-09	1.88E-10	5.82E-10	7.70E-10
1474	438180.5	3763173	2.20E-09	7.52E-09	9.72E-09	3.43E-10	1.23E-09	1.57E-09	1.85E-10	5.70E-10	7.54E-10
1475	438177.7	3763182	2.16E-09	7.35E-09	9.51E-09	3.35E-10	1.20E-09	1.54E-09	1.81E-10	5.57E-10	7.38E-10
1476	438174.9	3763191	2.11E-09	7.18E-09	9.29E-09	3.27E-10	1.17E-09	1.50E-09	1.76E-10	5.44E-10	7.21E-10
1477	438172.1	3763201	2.06E-09	7.01E-09	9.06E-09	3.19E-10	1.15E-09	1.46E-09	1.72E-10	5.31E-10	7.03E-10
1478	438169.3	3763210	2.01E-09	6.84E-09	8.84E-09	3.12E-10	1.12E-09	1.43E-09	1.68E-10	5.18E-10	6.86E-10
1479	438166.5	3763219	1.95E-09	6.66E-09	8.61E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.05E-10	6.68E-10
1480	438163.7	3763228	1.90E-09	6.48E-09	8.38E-09	2.95E-10	1.06E-09	1.35E-09	1.59E-10	4.91E-10	6.50E-10
1481	438160.9	3763238	1.85E-09	6.29E-09	8.14E-09	2.87E-10	1.03E-09	1.31E-09	1.54E-10	4.77E-10	6.31E-10
1482	438158.1	3763247	1.79E-09	6.10E-09	7.89E-09	2.78E-10	9.97E-10	1.27E-09	1.50E-10	4.62E-10	6.12E-10
1483	438276	3762838	2.01E-09	6.84E-09	8.85E-09	3.12E-10	1.12E-09	1.43E-09	1.68E-10	5.19E-10	6.87E-10
1484	438276	3762829	1.98E-09	6.75E-09	8.73E-09	3.08E-10	1.10E-09	1.41E-09	1.66E-10	5.12E-10	6.77E-10
1485	438276	3762819	1.95E-09	6.65E-09	8.61E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.68E-10
1486	438276	3762809	1.92E-09	6.55E-09	8.47E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.97E-10	6.57E-10
1487	438276	3762799	1.89E-09	6.44E-09	8.32E-09	2.93E-10	1.05E-09	1.34E-09	1.58E-10	4.88E-10	6.46E-10
1488	438276	3762789	1.85E-09	6.32E-09	8.17E-09	2.88E-10	1.03E-09	1.32E-09	1.55E-10	4.79E-10	6.34E-10
1489	438276.1	3762780	1.82E-09	6.19E-09	8.01E-09	2.82E-10	1.01E-09	1.29E-09	1.52E-10	4.69E-10	6.21E-10
1490	438276.1	3762770	1.78E-09	6.07E-09	7.85E-09	2.76E-10	9.91E-10	1.27E-09	1.49E-10	4.60E-10	6.09E-10
1491	438276.1	3762760	1.74E-09	5.94E-09	7.68E-09	2.71E-10	9.71E-10	1.24E-09	1.46E-10	4.50E-10	5.96E-10
1492	438276.1	3762750	1.70E-09	5.81E-09	7.52E-09	2.65E-10	9.50E-10	1.21E-09	1.43E-10	4.41E-10	5.83E-10
1493	438301.8	3762905	2.03E-09	6.93E-09	8.96E-09	3.16E-10	1.13E-09	1.45E-09	1.70E-10	5.25E-10	6.95E-10
1494	438299	3762914	2.06E-09	7.04E-09	9.10E-09	3.21E-10	1.15E-09	1.47E-09	1.73E-10	5.33E-10	7.06E-10
1495	438296.1	3762924	2.09E-09	7.14E-09	9.24E-09	3.25E-10	1.17E-09	1.49E-09	1.75E-10	5.41E-10	7.16E-10
1496	438293.3	3762933	2.12E-09	7.24E-09	9.36E-09	3.30E-10	1.18E-09	1.51E-09	1.78E-10	5.48E-10	7.26E-10
1497	438290.5	3762942	2.15E-09	7.32E-09	9.47E-09	3.34E-10	1.20E-09	1.53E-09	1.80E-10	5.55E-10	7.34E-10
1498	438287.6	3762952	2.17E-09	7.40E-09	9.57E-09	3.37E-10	1.21E-09	1.55E-09	1.82E-10	5.60E-10	7.42E-10
1499	438284.8	3762961	2.19E-09	7.47E-09	9.66E-09	3.40E-10	1.22E-09	1.56E-09	1.83E-10	5.66E-10	7.49E-10
1500	438282	3762970	2.21E-09	7.55E-09	9.76E-09	3.44E-10	1.23E-09	1.58E-09	1.85E-10	5.72E-10	7.57E-10
1501	438279.2	3762980	2.24E-09	7.62E-09	9.86E-09	3.47E-10	1.25E-09	1.59E-09	1.87E-10	5.78E-10	7.65E-10
1502	438276.3	3762989	2.26E-09	7.69E-09	9.95E-09	3.50E-10	1.26E-09	1.61E-09	1.89E-10	5.83E-10	7.72E-10
1503	438273.5	3762998	2.27E-09	7.75E-09	1.00E-08	3.53E-10	1.27E-09	1.62E-09	1.90E-10	5.88E-10	7.78E-10
1504	438270.7	3763008	2.29E-09	7.81E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.92E-10	7.83E-10
1505	438267.8	3763017	2.30E-09	7.86E-09	1.02E-08	3.58E-10	1.28E-09	1.64E-09	1.93E-10	5.95E-10	7.88E-10
1506	438265	3763026	2.31E-09	7.89E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.92E-10
1507	438262.2	3763036	2.32E-09	7.91E-09	1.02E-08	3.61E-10	1.29E-09	1.65E-09	1.94E-10	6.00E-10	7.94E-10
1508	438259.3	3763045	2.33E-09	7.93E-09	1.03E-08	3.61E-10	1.30E-09	1.66E-09	1.95E-10	6.01E-10	7.96E-10
1509	438256.5	3763054	2.33E-09	7.94E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.01E-10	7.96E-10
1510	438253.7	3763064	2.33E-09	7.93E-09	1.03E-08	3.61E-10	1.30E-09	1.66E-09	1.95E-10	6.01E-10	7.96E-10
1511	438250.9	3763073	2.32E-09	7.92E-09	1.02E-08	3.61E-10	1.29E-09	1.65E-09	1.94E-10	6.00E-10	7.94E-10
1512	438248	3763082	2.31E-09	7.89E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.92E-10
1513	438245.2	3763092	2.30E-09	7.85E-09	1.02E-08	3.58E-10	1.28E-09	1.64E-09	1.93E-10	5.95E-10	7.88E-10
1514	438242.4	3763101	2.29E-09	7.80E-09	1.01E-08	3.56E-10	1.27E-09	1.63E-09	1.92E-10	5.91E-10	7.83E-10
1515	438239.5	3763110	2.27E-09	7.74E-09	1.00E-08	3.53E-10	1.26E-09	1.62E-09	1.90E-10	5.87E-10	7.77E-10
1516	438236.7	3763120	2.25E-09	7.67E-09	9.92E-09	3.49E-10	1.25E-09	1.60E-09	1.88E-10	5.81E-10	7.69E-10
1517	438233.9	3763129	2.22E-09	7.59E-09	9.81E-09	3.46E-10	1.24E-09	1.59E-09	1.86E-10	5.75E-10	7.61E-10
1518	438231	3763138	2.20E-09	7.49E-09	9.69E-09	3.41E-10	1.22E-09	1.57E-09	1.84E-10	5.68E-10	7.52E-10
1519	438228.2	3763148	2.17E-09	7.39E-09	9.56E-09	3.37E-10	1.21E-09	1.54E-09	1.81E-10	5.60E-10	7.42E-10
1520	438225.4	3763157	2.14E-09	7.28E-09	9.42E-09	3.32E-10	1.19E-09	1.52E-09	1.79E-10	5.52E-10	7.31E-10
1521	438222.5	3763166	2.10E-09	7.16E-09	9.27E-09	3.26E-10	1.17E-09	1.50E-09	1.76E-10	5.43E-10	7.19E-10

1522	438219.7	3763176	2.06E-09	7.04E-09	9.10E-09	3.21E-10	1.15E-09	1.47E-09	1.73E-10	5.33E-10	7.06E-10
1523	438216.9	3763185	2.03E-09	6.94E-09	8.97E-09	3.16E-10	1.13E-09	1.45E-09	1.70E-10	5.26E-10	6.96E-10
1524	438214.1	3763194	1.99E-09	6.80E-09	8.79E-09	3.10E-10	1.11E-09	1.42E-09	1.67E-10	5.15E-10	6.82E-10
1525	438211.2	3763204	1.95E-09	6.65E-09	8.61E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.68E-10
1526	438208.4	3763213	1.91E-09	6.51E-09	8.42E-09	2.97E-10	1.06E-09	1.36E-09	1.60E-10	4.93E-10	6.53E-10
1527	438205.6	3763222	1.86E-09	6.36E-09	8.22E-09	2.90E-10	1.04E-09	1.33E-09	1.56E-10	4.82E-10	6.38E-10
1528	438202.7	3763232	1.82E-09	6.20E-09	8.02E-09	2.83E-10	1.01E-09	1.30E-09	1.52E-10	4.70E-10	6.22E-10
1529	438199.9	3763241	1.77E-09	6.05E-09	7.82E-09	2.76E-10	9.88E-10	1.26E-09	1.48E-10	4.58E-10	6.07E-10
1530	438197.1	3763250	1.72E-09	5.86E-09	7.57E-09	2.67E-10	9.57E-10	1.22E-09	1.44E-10	4.44E-10	5.88E-10
1531	438194.2	3763260	1.67E-09	5.70E-09	7.37E-09	2.60E-10	9.30E-10	1.19E-09	1.40E-10	4.32E-10	5.71E-10
1532	438191.4	3763269	1.62E-09	5.52E-09	7.14E-09	2.52E-10	9.02E-10	1.15E-09	1.36E-10	4.19E-10	5.54E-10
1533	438316	3762839	1.81E-09	6.16E-09	7.97E-09	2.81E-10	1.01E-09	1.29E-09	1.51E-10	4.67E-10	6.18E-10
1534	438316	3762829	1.78E-09	6.08E-09	7.87E-09	2.77E-10	9.94E-10	1.27E-09	1.49E-10	4.61E-10	6.10E-10
1535	438316	3762819	1.76E-09	6.00E-09	7.76E-09	2.73E-10	9.80E-10	1.25E-09	1.47E-10	4.55E-10	6.02E-10
1536	438316	3762809	1.73E-09	5.91E-09	7.64E-09	2.69E-10	9.65E-10	1.23E-09	1.45E-10	4.48E-10	5.93E-10
1537	438316	3762799	1.70E-09	5.81E-09	7.51E-09	2.65E-10	9.49E-10	1.21E-09	1.43E-10	4.40E-10	5.83E-10
1538	438316	3762789	1.67E-09	5.70E-09	7.38E-09	2.60E-10	9.32E-10	1.19E-09	1.40E-10	4.32E-10	5.72E-10
1539	438316.1	3762780	1.64E-09	5.60E-09	7.24E-09	2.55E-10	9.15E-10	1.17E-09	1.37E-10	4.24E-10	5.62E-10
1540	438316.1	3762770	1.61E-09	5.49E-09	7.10E-09	2.50E-10	8.97E-10	1.15E-09	1.35E-10	4.16E-10	5.51E-10
1541	438316.1	3762760	1.58E-09	5.38E-09	6.96E-09	2.45E-10	8.79E-10	1.12E-09	1.32E-10	4.08E-10	5.40E-10
1542	438316.1	3762750	1.55E-09	5.27E-09	6.82E-09	2.40E-10	8.61E-10	1.10E-09	1.29E-10	3.99E-10	5.29E-10
1543	438342	3762904	1.83E-09	6.23E-09	8.05E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.72E-10	6.25E-10
1544	438339.2	3762913	1.86E-09	6.33E-09	8.19E-09	2.88E-10	1.03E-09	1.32E-09	1.55E-10	4.80E-10	6.35E-10
1545	438336.4	3762923	1.89E-09	6.43E-09	8.32E-09	2.93E-10	1.05E-09	1.34E-09	1.58E-10	4.87E-10	6.45E-10
1546	438333.6	3762932	1.91E-09	6.53E-09	8.44E-09	2.97E-10	1.07E-09	1.36E-09	1.60E-10	4.95E-10	6.55E-10
1547	438330.8	3762941	1.94E-09	6.61E-09	8.55E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.01E-10	6.63E-10
1548	438328	3762950	1.96E-09	6.69E-09	8.65E-09	3.05E-10	1.09E-09	1.40E-09	1.64E-10	5.07E-10	6.71E-10
1549	438325.2	3762960	1.98E-09	6.77E-09	8.75E-09	3.08E-10	1.11E-09	1.41E-09	1.66E-10	5.13E-10	6.79E-10
1550	438322.4	3762969	2.00E-09	6.83E-09	8.83E-09	3.11E-10	1.12E-09	1.43E-09	1.68E-10	5.18E-10	6.85E-10
1551	438319.6	3762978	2.02E-09	6.89E-09	8.91E-09	3.14E-10	1.13E-09	1.44E-09	1.69E-10	5.22E-10	6.91E-10
1552	438316.8	3762987	2.04E-09	6.94E-09	8.98E-09	3.16E-10	1.13E-09	1.45E-09	1.70E-10	5.26E-10	6.97E-10
1553	438314.1	3762996	2.05E-09	7.00E-09	9.05E-09	3.19E-10	1.14E-09	1.46E-09	1.72E-10	5.30E-10	7.02E-10
1554	438311.3	3763006	2.07E-09	7.05E-09	9.12E-09	3.21E-10	1.15E-09	1.47E-09	1.73E-10	5.34E-10	7.07E-10
1555	438308.5	3763015	2.08E-09	7.09E-09	9.17E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.37E-10	7.11E-10
1556	438305.7	3763024	2.09E-09	7.13E-09	9.22E-09	3.25E-10	1.16E-09	1.49E-09	1.75E-10	5.40E-10	7.15E-10
1557	438302.9	3763033	2.10E-09	7.16E-09	9.25E-09	3.26E-10	1.17E-09	1.50E-09	1.76E-10	5.42E-10	7.18E-10
1558	438300.1	3763042	2.11E-09	7.18E-09	9.29E-09	3.27E-10	1.17E-09	1.50E-09	1.76E-10	5.44E-10	7.20E-10
1559	438297.3	3763052	2.11E-09	7.20E-09	9.31E-09	3.28E-10	1.18E-09	1.50E-09	1.77E-10	5.45E-10	7.22E-10
1560	438294.5	3763061	2.12E-09	7.21E-09	9.33E-09	3.29E-10	1.18E-09	1.51E-09	1.77E-10	5.47E-10	7.24E-10
1561	438291.7	3763070	2.12E-09	7.22E-09	9.34E-09	3.29E-10	1.18E-09	1.51E-09	1.77E-10	5.47E-10	7.24E-10
1562	438288.9	3763079	2.12E-09	7.22E-09	9.34E-09	3.29E-10	1.18E-09	1.51E-09	1.77E-10	5.47E-10	7.24E-10
1563	438286.1	3763089	2.11E-09	7.20E-09	9.31E-09	3.28E-10	1.18E-09	1.50E-09	1.77E-10	5.46E-10	7.22E-10
1564	438283.3	3763098	2.10E-09	7.17E-09	9.28E-09	3.27E-10	1.17E-09	1.50E-09	1.76E-10	5.44E-10	7.20E-10
1565	438280.5	3763107	2.09E-09	7.14E-09	9.24E-09	3.25E-10	1.17E-09	1.49E-09	1.75E-10	5.41E-10	7.17E-10
1566	438277.7	3763116	2.08E-09	7.10E-09	9.18E-09	3.24E-10	1.16E-09	1.48E-09	1.74E-10	5.38E-10	7.12E-10
1567	438274.9	3763125	2.07E-09	7.05E-09	9.12E-09	3.21E-10	1.15E-09	1.47E-09	1.73E-10	5.34E-10	7.07E-10
1568	438272.2	3763135	2.05E-09	6.99E-09	9.04E-09	3.19E-10	1.14E-09	1.46E-09	1.72E-10	5.30E-10	7.01E-10
1569	438269.4	3763144	2.03E-09	6.92E-09	8.95E-09	3.15E-10	1.13E-09	1.45E-09	1.70E-10	5.25E-10	6.94E-10
1570	438266.6	3763153	2.01E-09	6.85E-09	8.85E-09	3.12E-10	1.12E-09	1.43E-09	1.68E-10	5.19E-10	6.87E-10
1571	438263.8	3763162	1.98E-09	6.76E-09	8.75E-09	3.08E-10	1.10E-09	1.41E-09	1.66E-10	5.12E-10	6.78E-10
1572	438261	3763171	1.96E-09	6.67E-09	8.63E-09	3.04E-10	1.09E-09	1.39E-09	1.64E-10	5.06E-10	6.69E-10
1573	438258.2	3763181	1.93E-09	6.57E-09	8.50E-09	3.00E-10	1.07E-09	1.37E-09	1.61E-10	4.98E-10	6.60E-10
1574	438255.4	3763190	1.90E-09	6.47E-09	8.37E-09	2.95E-10	1.06E-09	1.35E-09	1.59E-10	4.90E-10	6.49E-10
1575	438252.6	3763199	1.86E-09	6.36E-09	8.22E-09	2.90E-10	1.04E-09	1.33E-09	1.56E-10	4.82E-10	6.38E-10
1576	438249.8	3763208	1.83E-09	6.25E-09	8.08E-09	2.85E-10	1.02E-09	1.30E-09	1.53E-10	4.73E-10	6.27E-10
1577	438247	3763217	1.80E-09	6.13E-09	7.92E-09	2.79E-10	1.00E-09	1.28E-09	1.50E-10	4.64E-10	6.15E-10
1578	438244.2	3763227	1.76E-09	6.00E-09	7.76E-09	2.74E-10	9.81E-10	1.25E-09	1.47E-10	4.55E-10	6.02E-10
1579	438241.4	3763236	1.72E-09	5.88E-09	7.60E-09	2.68E-10	9.60E-10	1.23E-09	1.44E-10	4.45E-10	5.90E-10
1580	438238.6	3763245	1.69E-09	5.75E-09	7.44E-09	2.62E-10	9.39E-10	1.20E-09	1.41E-10	4.36E-10	5.77E-10
1581	438235.8	3763254	1.65E-09	5.62E-09	7.27E-09	2.56E-10	9.18E-10	1.17E-09	1.38E-10	4.26E-10	5.64E-10
1582	438233.1	3763264	1.61E-09	5.48E-09	7.08E-09	2.50E-10	8.95E-10	1.14E-09	1.34E-10	4.15E-10	5.50E-10

1583	438230.3	3763273	1.56E-09	5.33E-09	6.89E-09	2.43E-10	8.70E-10	1.11E-09	1.31E-10	4.04E-10	5.35E-10
1584	438227.5	3763282	1.52E-09	5.18E-09	6.70E-09	2.36E-10	8.46E-10	1.08E-09	1.27E-10	3.92E-10	5.19E-10
1585	438224.7	3763291	1.48E-09	5.05E-09	6.54E-09	2.30E-10	8.26E-10	1.06E-09	1.24E-10	3.83E-10	5.07E-10
1586	438353.7	3762998	1.87E-09	6.36E-09	8.23E-09	2.90E-10	1.04E-09	1.33E-09	1.56E-10	4.82E-10	6.38E-10
1587	438350.9	3763007	1.88E-09	6.41E-09	8.29E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.86E-10	6.43E-10
1588	438348.1	3763016	1.89E-09	6.45E-09	8.35E-09	2.94E-10	1.05E-09	1.35E-09	1.58E-10	4.89E-10	6.47E-10
1589	438345.3	3763025	1.90E-09	6.49E-09	8.39E-09	2.96E-10	1.06E-09	1.36E-09	1.59E-10	4.92E-10	6.51E-10
1590	438342.5	3763035	1.91E-09	6.51E-09	8.42E-09	2.97E-10	1.06E-09	1.36E-09	1.60E-10	4.94E-10	6.53E-10
1591	438339.6	3763044	1.92E-09	6.53E-09	8.45E-09	2.98E-10	1.07E-09	1.37E-09	1.60E-10	4.95E-10	6.55E-10
1592	438336.8	3763053	1.92E-09	6.55E-09	8.47E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.96E-10	6.57E-10
1593	438334	3763063	1.93E-09	6.57E-09	8.50E-09	3.00E-10	1.07E-09	1.37E-09	1.61E-10	4.98E-10	6.59E-10
1594	438331.2	3763072	1.93E-09	6.59E-09	8.52E-09	3.00E-10	1.08E-09	1.38E-09	1.62E-10	4.99E-10	6.61E-10
1595	438328.4	3763081	1.93E-09	6.60E-09	8.53E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.00E-10	6.62E-10
1596	438325.6	3763090	1.93E-09	6.59E-09	8.52E-09	3.00E-10	1.08E-09	1.38E-09	1.62E-10	4.99E-10	6.61E-10
1597	438322.7	3763100	1.93E-09	6.57E-09	8.50E-09	3.00E-10	1.07E-09	1.37E-09	1.61E-10	4.98E-10	6.59E-10
1598	438319.9	3763109	1.92E-09	6.55E-09	8.47E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.96E-10	6.57E-10
1599	438317.1	3763118	1.91E-09	6.53E-09	8.44E-09	2.97E-10	1.07E-09	1.36E-09	1.60E-10	4.95E-10	6.55E-10
1600	438314.3	3763128	1.91E-09	6.50E-09	8.40E-09	2.96E-10	1.06E-09	1.36E-09	1.60E-10	4.92E-10	6.52E-10
1601	438311.5	3763137	1.89E-09	6.46E-09	8.36E-09	2.94E-10	1.06E-09	1.35E-09	1.59E-10	4.90E-10	6.48E-10
1602	438308.7	3763146	1.88E-09	6.41E-09	8.29E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.86E-10	6.43E-10
1603	438305.9	3763155	1.86E-09	6.35E-09	8.21E-09	2.89E-10	1.04E-09	1.33E-09	1.56E-10	4.81E-10	6.37E-10
1604	438303	3763165	1.84E-09	6.28E-09	8.12E-09	2.86E-10	1.03E-09	1.31E-09	1.54E-10	4.76E-10	6.30E-10
1605	438300.2	3763174	1.82E-09	6.21E-09	8.03E-09	2.83E-10	1.01E-09	1.30E-09	1.52E-10	4.71E-10	6.23E-10
1606	438297.4	3763183	1.81E-09	6.16E-09	7.97E-09	2.81E-10	1.01E-09	1.29E-09	1.51E-10	4.67E-10	6.18E-10
1607	438294.6	3763193	1.78E-09	6.08E-09	7.87E-09	2.77E-10	9.94E-10	1.27E-09	1.49E-10	4.61E-10	6.10E-10
1608	438291.8	3763202	1.76E-09	6.00E-09	7.76E-09	2.73E-10	9.80E-10	1.25E-09	1.47E-10	4.54E-10	6.02E-10
1609	438289	3763211	1.73E-09	5.91E-09	7.64E-09	2.69E-10	9.65E-10	1.23E-09	1.45E-10	4.48E-10	5.93E-10
1610	438286.1	3763220	1.71E-09	5.81E-09	7.52E-09	2.65E-10	9.50E-10	1.21E-09	1.43E-10	4.41E-10	5.83E-10
1611	438283.3	3763230	1.68E-09	5.71E-09	7.39E-09	2.60E-10	9.34E-10	1.19E-09	1.40E-10	4.33E-10	5.73E-10
1612	438280.5	3763239	1.65E-09	5.61E-09	7.26E-09	2.56E-10	9.17E-10	1.17E-09	1.38E-10	4.25E-10	5.63E-10
1613	438277.7	3763248	1.61E-09	5.48E-09	7.08E-09	2.49E-10	8.94E-10	1.14E-09	1.34E-10	4.15E-10	5.49E-10
1614	438274.9	3763258	1.57E-09	5.36E-09	6.93E-09	2.44E-10	8.76E-10	1.12E-09	1.32E-10	4.06E-10	5.38E-10
1615	438272.1	3763267	1.54E-09	5.24E-09	6.78E-09	2.39E-10	8.56E-10	1.09E-09	1.29E-10	3.97E-10	5.26E-10
1616	438269.3	3763276	1.51E-09	5.14E-09	6.65E-09	2.34E-10	8.40E-10	1.07E-09	1.26E-10	3.90E-10	5.16E-10
1617	438266.4	3763285	1.47E-09	5.02E-09	6.49E-09	2.29E-10	8.19E-10	1.05E-09	1.23E-10	3.80E-10	5.03E-10
1618	438263.6	3763295	1.43E-09	4.89E-09	6.32E-09	2.23E-10	7.98E-10	1.02E-09	1.20E-10	3.70E-10	4.90E-10
1619	438260.8	3763304	1.39E-09	4.75E-09	6.15E-09	2.17E-10	7.77E-10	9.93E-10	1.17E-10	3.60E-10	4.77E-10
1620	438258	3763313	1.36E-09	4.62E-09	5.98E-09	2.11E-10	7.55E-10	9.65E-10	1.13E-10	3.50E-10	4.64E-10
1621	438395.9	3762858	1.53E-09	5.20E-09	6.73E-09	2.37E-10	8.50E-10	1.09E-09	1.28E-10	3.94E-10	5.22E-10
1622	438396	3762848	1.51E-09	5.14E-09	6.64E-09	2.34E-10	8.39E-10	1.07E-09	1.26E-10	3.89E-10	5.15E-10
1623	438396	3762839	1.49E-09	5.07E-09	6.55E-09	2.31E-10	8.28E-10	1.06E-09	1.24E-10	3.84E-10	5.08E-10
1624	438396	3762829	1.47E-09	5.00E-09	6.47E-09	2.28E-10	8.17E-10	1.04E-09	1.23E-10	3.79E-10	5.02E-10
1625	438396	3762819	1.45E-09	4.93E-09	6.38E-09	2.25E-10	8.06E-10	1.03E-09	1.21E-10	3.74E-10	4.95E-10
1626	438396	3762809	1.43E-09	4.86E-09	6.29E-09	2.22E-10	7.94E-10	1.02E-09	1.19E-10	3.68E-10	4.88E-10
1627	438396	3762799	1.40E-09	4.79E-09	6.19E-09	2.18E-10	7.82E-10	1.00E-09	1.18E-10	3.63E-10	4.80E-10
1628	438396	3762790	1.38E-09	4.71E-09	6.09E-09	2.15E-10	7.69E-10	9.84E-10	1.16E-10	3.57E-10	4.72E-10
1629	438396.1	3762780	1.36E-09	4.63E-09	5.99E-09	2.11E-10	7.56E-10	9.68E-10	1.14E-10	3.51E-10	4.65E-10
1630	438396.1	3762770	1.34E-09	4.56E-09	5.89E-09	2.08E-10	7.44E-10	9.52E-10	1.12E-10	3.45E-10	4.57E-10
1631	438396.1	3762760	1.31E-09	4.47E-09	5.79E-09	2.04E-10	7.31E-10	9.35E-10	1.10E-10	3.39E-10	4.49E-10
1632	438396.1	3762750	1.29E-09	4.39E-09	5.68E-09	2.00E-10	7.17E-10	9.17E-10	1.08E-10	3.33E-10	4.41E-10
1633	438396.1	3762741	1.26E-09	4.31E-09	5.57E-09	1.96E-10	7.04E-10	9.00E-10	1.06E-10	3.26E-10	4.32E-10
1634	438396.1	3762731	1.24E-09	4.23E-09	5.46E-09	1.93E-10	6.90E-10	8.83E-10	1.04E-10	3.20E-10	4.24E-10
1635	438396.1	3762721	1.21E-09	4.14E-09	5.36E-09	1.89E-10	6.77E-10	8.65E-10	1.02E-10	3.14E-10	4.16E-10
1636	438424.6	3762896	1.49E-09	5.08E-09	6.57E-09	2.32E-10	8.30E-10	1.06E-09	1.25E-10	3.85E-10	5.10E-10
1637	438421.8	3762905	1.51E-09	5.16E-09	6.68E-09	2.35E-10	8.43E-10	1.08E-09	1.27E-10	3.91E-10	5.18E-10
1638	438418.9	3762914	1.54E-09	5.24E-09	6.78E-09	2.39E-10	8.56E-10	1.10E-09	1.29E-10	3.97E-10	5.26E-10
1639	438416.1	3762924	1.56E-09	5.32E-09	6.88E-09	2.42E-10	8.69E-10	1.11E-09	1.31E-10	4.03E-10	5.34E-10
1640	438413.3	3762933	1.58E-09	5.40E-09	6.98E-09	2.46E-10	8.82E-10	1.13E-09	1.32E-10	4.09E-10	5.41E-10
1641	438410.4	3762943	1.60E-09	5.47E-09	7.07E-09	2.49E-10	8.93E-10	1.14E-09	1.34E-10	4.14E-10	5.48E-10
1642	438407.6	3762952	1.62E-09	5.53E-09	7.16E-09	2.52E-10	9.04E-10	1.16E-09	1.36E-10	4.19E-10	5.55E-10
1643	438404.7	3762961	1.64E-09	5.60E-09	7.24E-09	2.55E-10	9.14E-10	1.17E-09	1.37E-10	4.24E-10	5.61E-10

1644	438401.9	3762971	1.66E-09	5.65E-09	7.31E-09	2.58E-10	9.24E-10	1.18E-09	1.39E-10	4.28E-10	5.67E-10
1645	438399.1	3762980	1.67E-09	5.71E-09	7.38E-09	2.60E-10	9.32E-10	1.19E-09	1.40E-10	4.33E-10	5.73E-10
1646	438396.2	3762989	1.69E-09	5.76E-09	7.44E-09	2.62E-10	9.40E-10	1.20E-09	1.41E-10	4.36E-10	5.78E-10
1647	438393.4	3762999	1.70E-09	5.80E-09	7.51E-09	2.65E-10	9.48E-10	1.21E-09	1.42E-10	4.40E-10	5.82E-10
1648	438390.6	3763008	1.72E-09	5.85E-09	7.57E-09	2.67E-10	9.56E-10	1.22E-09	1.44E-10	4.43E-10	5.87E-10
1649	438387.7	3763017	1.73E-09	5.89E-09	7.62E-09	2.69E-10	9.63E-10	1.23E-09	1.45E-10	4.47E-10	5.91E-10
1650	438384.9	3763027	1.74E-09	5.93E-09	7.67E-09	2.70E-10	9.68E-10	1.24E-09	1.45E-10	4.49E-10	5.95E-10
1651	438353.7	3763130	1.76E-09	6.00E-09	7.76E-09	2.73E-10	9.80E-10	1.25E-09	1.47E-10	4.55E-10	6.02E-10
1652	438350.9	3763139	1.75E-09	5.98E-09	7.73E-09	2.72E-10	9.76E-10	1.25E-09	1.47E-10	4.53E-10	6.00E-10
1653	438348	3763148	1.74E-09	5.94E-09	7.68E-09	2.71E-10	9.70E-10	1.24E-09	1.46E-10	4.50E-10	5.96E-10
1654	438345.2	3763158	1.73E-09	5.89E-09	7.62E-09	2.69E-10	9.63E-10	1.23E-09	1.45E-10	4.47E-10	5.91E-10
1655	438342.4	3763167	1.72E-09	5.87E-09	7.59E-09	2.67E-10	9.58E-10	1.23E-09	1.44E-10	4.44E-10	5.88E-10
1656	438339.5	3763176	1.70E-09	5.81E-09	7.52E-09	2.65E-10	9.50E-10	1.21E-09	1.43E-10	4.41E-10	5.83E-10
1657	438336.7	3763186	1.69E-09	5.76E-09	7.45E-09	2.62E-10	9.41E-10	1.20E-09	1.41E-10	4.36E-10	5.78E-10
1658	438333.9	3763195	1.67E-09	5.70E-09	7.37E-09	2.60E-10	9.31E-10	1.19E-09	1.40E-10	4.32E-10	5.72E-10
1659	438331	3763204	1.65E-09	5.63E-09	7.28E-09	2.57E-10	9.20E-10	1.18E-09	1.38E-10	4.27E-10	5.65E-10
1660	438328.2	3763214	1.63E-09	5.56E-09	7.20E-09	2.54E-10	9.09E-10	1.16E-09	1.37E-10	4.22E-10	5.58E-10
1661	438325.3	3763223	1.61E-09	5.49E-09	7.10E-09	2.50E-10	8.97E-10	1.15E-09	1.35E-10	4.16E-10	5.51E-10
1662	438322.5	3763232	1.58E-09	5.39E-09	6.97E-09	2.45E-10	8.80E-10	1.13E-09	1.32E-10	4.08E-10	5.40E-10
1663	438319.7	3763242	1.55E-09	5.30E-09	6.86E-09	2.42E-10	8.66E-10	1.11E-09	1.30E-10	4.02E-10	5.32E-10
1664	438316.8	3763251	1.53E-09	5.21E-09	6.74E-09	2.38E-10	8.52E-10	1.09E-09	1.28E-10	3.95E-10	5.23E-10
1665	438314	3763261	1.50E-09	5.12E-09	6.62E-09	2.33E-10	8.37E-10	1.07E-09	1.26E-10	3.88E-10	5.14E-10
1666	438311.2	3763270	1.47E-09	5.02E-09	6.49E-09	2.29E-10	8.20E-10	1.05E-09	1.23E-10	3.80E-10	5.04E-10
1667	438308.3	3763279	1.44E-09	4.92E-09	6.36E-09	2.24E-10	8.03E-10	1.03E-09	1.21E-10	3.73E-10	4.93E-10
1668	438305.5	3763289	1.41E-09	4.81E-09	6.22E-09	2.19E-10	7.86E-10	1.00E-09	1.18E-10	3.64E-10	4.82E-10
1669	438302.7	3763298	1.38E-09	4.70E-09	6.07E-09	2.14E-10	7.67E-10	9.81E-10	1.15E-10	3.56E-10	4.71E-10
1670	438299.8	3763307	1.35E-09	4.61E-09	5.96E-09	2.10E-10	7.52E-10	9.62E-10	1.13E-10	3.49E-10	4.62E-10
1671	438297	3763317	1.32E-09	4.49E-09	5.81E-09	2.05E-10	7.33E-10	9.38E-10	1.10E-10	3.40E-10	4.50E-10
1672	438294.1	3763326	1.28E-09	4.37E-09	5.66E-09	1.99E-10	7.14E-10	9.14E-10	1.07E-10	3.31E-10	4.39E-10
1673	438291.3	3763335	1.25E-09	4.26E-09	5.51E-09	1.94E-10	6.95E-10	8.89E-10	1.04E-10	3.23E-10	4.27E-10
1674	438435.9	3762858	1.39E-09	4.74E-09	6.13E-09	2.16E-10	7.75E-10	9.91E-10	1.16E-10	3.59E-10	4.76E-10
1675	438436	3762849	1.37E-09	4.69E-09	6.06E-09	2.13E-10	7.65E-10	9.79E-10	1.15E-10	3.55E-10	4.70E-10
1676	438436	3762839	1.36E-09	4.63E-09	5.98E-09	2.11E-10	7.56E-10	9.67E-10	1.14E-10	3.51E-10	4.64E-10
1677	438436	3762829	1.34E-09	4.57E-09	5.91E-09	2.08E-10	7.46E-10	9.54E-10	1.12E-10	3.46E-10	4.58E-10
1678	438436	3762819	1.32E-09	4.50E-09	5.83E-09	2.05E-10	7.36E-10	9.41E-10	1.11E-10	3.41E-10	4.52E-10
1679	438436	3762809	1.30E-09	4.44E-09	5.74E-09	2.02E-10	7.26E-10	9.28E-10	1.09E-10	3.37E-10	4.46E-10
1680	438436	3762799	1.28E-09	4.38E-09	5.66E-09	2.00E-10	7.16E-10	9.15E-10	1.08E-10	3.32E-10	4.39E-10
1681	438436	3762790	1.27E-09	4.32E-09	5.58E-09	1.97E-10	7.05E-10	9.02E-10	1.06E-10	3.27E-10	4.33E-10
1682	438436.1	3762780	1.25E-09	4.25E-09	5.49E-09	1.94E-10	6.94E-10	8.88E-10	1.04E-10	3.22E-10	4.26E-10
1683	438436.1	3762770	1.23E-09	4.18E-09	5.40E-09	1.90E-10	6.82E-10	8.73E-10	1.03E-10	3.17E-10	4.19E-10
1684	438436.1	3762760	1.20E-09	4.11E-09	5.31E-09	1.87E-10	6.71E-10	8.58E-10	1.01E-10	3.11E-10	4.12E-10
1685	438436.1	3762750	1.18E-09	4.03E-09	5.22E-09	1.84E-10	6.59E-10	8.43E-10	9.90E-11	3.06E-10	4.05E-10
1686	438436.1	3762741	1.16E-09	3.96E-09	5.12E-09	1.81E-10	6.47E-10	8.28E-10	9.72E-11	3.00E-10	3.97E-10
1687	438436.1	3762731	1.14E-09	3.89E-09	5.03E-09	1.77E-10	6.35E-10	8.12E-10	9.54E-11	2.95E-10	3.90E-10
1688	438436.1	3762721	1.12E-09	3.81E-09	4.93E-09	1.74E-10	6.23E-10	7.97E-10	9.36E-11	2.89E-10	3.83E-10
1689	438464.7	3762895	1.36E-09	4.62E-09	5.98E-09	2.11E-10	7.55E-10	9.65E-10	1.13E-10	3.50E-10	4.64E-10
1690	438461.9	3762905	1.38E-09	4.69E-09	6.07E-09	2.14E-10	7.67E-10	9.81E-10	1.15E-10	3.56E-10	4.71E-10
1691	438459.1	3762914	1.40E-09	4.77E-09	6.16E-09	2.17E-10	7.79E-10	9.96E-10	1.17E-10	3.61E-10	4.78E-10
1692	438456.3	3762923	1.42E-09	4.84E-09	6.25E-09	2.20E-10	7.90E-10	1.01E-09	1.19E-10	3.66E-10	4.85E-10
1693	438453.5	3762932	1.44E-09	4.90E-09	6.34E-09	2.23E-10	8.01E-10	1.02E-09	1.20E-10	3.72E-10	4.92E-10
1694	438450.7	3762942	1.46E-09	4.97E-09	6.42E-09	2.26E-10	8.11E-10	1.04E-09	1.22E-10	3.76E-10	4.98E-10
1695	438447.9	3762951	1.48E-09	5.03E-09	6.51E-09	2.29E-10	8.22E-10	1.05E-09	1.23E-10	3.81E-10	5.05E-10
1696	438445.1	3762960	1.49E-09	5.09E-09	6.58E-09	2.32E-10	8.32E-10	1.06E-09	1.25E-10	3.86E-10	5.11E-10
1697	438442.3	3762969	1.51E-09	5.15E-09	6.65E-09	2.34E-10	8.41E-10	1.08E-09	1.26E-10	3.90E-10	5.16E-10
1698	438439.5	3762979	1.52E-09	5.20E-09	6.72E-09	2.37E-10	8.49E-10	1.09E-09	1.28E-10	3.94E-10	5.22E-10
1699	438436.7	3762988	1.54E-09	5.25E-09	6.79E-09	2.39E-10	8.58E-10	1.10E-09	1.29E-10	3.98E-10	5.27E-10
1700	438433.9	3762997	1.55E-09	5.30E-09	6.85E-09	2.42E-10	8.66E-10	1.11E-09	1.30E-10	4.02E-10	5.32E-10
1701	438431.1	3763006	1.57E-09	5.35E-09	6.91E-09	2.44E-10	8.73E-10	1.12E-09	1.31E-10	4.05E-10	5.36E-10
1702	438428.3	3763016	1.58E-09	5.39E-09	6.97E-09	2.46E-10	8.80E-10	1.13E-09	1.32E-10	4.08E-10	5.41E-10
1703	438425.5	3763025	1.59E-09	5.42E-09	7.01E-09	2.47E-10	8.86E-10	1.13E-09	1.33E-10	4.11E-10	5.44E-10
1704	438422.7	3763034	1.60E-09	5.45E-09	7.05E-09	2.48E-10	8.91E-10	1.14E-09	1.34E-10	4.13E-10	5.47E-10

1705	438419.9	3763043	1.61E-09	5.48E-09	7.08E-09	2.50E-10	8.95E-10	1.14E-09	1.34E-10	4.15E-10	5.49E-10
1706	438417.1	3763053	1.61E-09	5.50E-09	7.11E-09	2.51E-10	8.99E-10	1.15E-09	1.35E-10	4.17E-10	5.52E-10
1707	438414.3	3763062	1.62E-09	5.52E-09	7.14E-09	2.52E-10	9.02E-10	1.15E-09	1.36E-10	4.19E-10	5.54E-10
1708	438411.5	3763071	1.63E-09	5.54E-09	7.17E-09	2.53E-10	9.06E-10	1.16E-09	1.36E-10	4.20E-10	5.56E-10
1709	438408.7	3763080	1.63E-09	5.56E-09	7.19E-09	2.53E-10	9.08E-10	1.16E-09	1.36E-10	4.21E-10	5.58E-10
1710	438405.9	3763090	1.63E-09	5.57E-09	7.20E-09	2.54E-10	9.10E-10	1.16E-09	1.37E-10	4.22E-10	5.59E-10
1711	438403.1	3763099	1.63E-09	5.57E-09	7.21E-09	2.54E-10	9.11E-10	1.16E-09	1.37E-10	4.22E-10	5.59E-10
1712	438400.3	3763108	1.64E-09	5.58E-09	7.21E-09	2.54E-10	9.11E-10	1.16E-09	1.37E-10	4.22E-10	5.59E-10
1713	438397.5	3763117	1.64E-09	5.58E-09	7.21E-09	2.54E-10	9.11E-10	1.17E-09	1.37E-10	4.23E-10	5.59E-10
1714	438394.7	3763126	1.63E-09	5.57E-09	7.21E-09	2.54E-10	9.10E-10	1.16E-09	1.37E-10	4.22E-10	5.59E-10
1715	438391.9	3763136	1.63E-09	5.56E-09	7.20E-09	2.54E-10	9.09E-10	1.16E-09	1.37E-10	4.22E-10	5.58E-10
1716	438389	3763145	1.63E-09	5.55E-09	7.18E-09	2.53E-10	9.06E-10	1.16E-09	1.36E-10	4.20E-10	5.57E-10
1717	438386.2	3763154	1.62E-09	5.52E-09	7.14E-09	2.52E-10	9.02E-10	1.15E-09	1.36E-10	4.19E-10	5.54E-10
1718	438352.6	3763265	1.43E-09	4.86E-09	6.29E-09	2.22E-10	7.95E-10	1.02E-09	1.19E-10	3.69E-10	4.88E-10
1719	438349.8	3763274	1.40E-09	4.78E-09	6.18E-09	2.18E-10	7.81E-10	9.99E-10	1.17E-10	3.62E-10	4.80E-10
1720	438347	3763284	1.38E-09	4.70E-09	6.07E-09	2.14E-10	7.67E-10	9.81E-10	1.15E-10	3.56E-10	4.71E-10
1721	438344.2	3763293	1.35E-09	4.61E-09	5.96E-09	2.10E-10	7.53E-10	9.62E-10	1.13E-10	3.49E-10	4.62E-10
1722	438341.4	3763302	1.32E-09	4.51E-09	5.83E-09	2.06E-10	7.37E-10	9.42E-10	1.11E-10	3.42E-10	4.52E-10
1723	438338.6	3763311	1.29E-09	4.41E-09	5.71E-09	2.01E-10	7.21E-10	9.22E-10	1.08E-10	3.34E-10	4.43E-10
1724	438335.8	3763321	1.26E-09	4.31E-09	5.58E-09	1.97E-10	7.05E-10	9.01E-10	1.06E-10	3.27E-10	4.33E-10
1725	438333	3763330	1.24E-09	4.24E-09	5.48E-09	1.93E-10	6.92E-10	8.85E-10	1.04E-10	3.21E-10	4.25E-10
1726	438330.2	3763339	1.21E-09	4.13E-09	5.35E-09	1.88E-10	6.75E-10	8.64E-10	1.01E-10	3.13E-10	4.15E-10
1727	438327.4	3763348	1.18E-09	4.03E-09	5.21E-09	1.84E-10	6.59E-10	8.42E-10	9.90E-11	3.05E-10	4.04E-10
1728	438324.6	3763358	1.15E-09	3.93E-09	5.08E-09	1.79E-10	6.42E-10	8.21E-10	9.64E-11	2.98E-10	3.94E-10
1729	438475.9	3762858	1.27E-09	4.35E-09	5.62E-09	1.98E-10	7.10E-10	9.08E-10	1.07E-10	3.29E-10	4.36E-10
1730	438476	3762849	1.26E-09	4.30E-09	5.57E-09	1.96E-10	7.03E-10	8.99E-10	1.06E-10	3.26E-10	4.32E-10
1731	438476	3762839	1.25E-09	4.26E-09	5.51E-09	1.94E-10	6.96E-10	8.90E-10	1.05E-10	3.23E-10	4.27E-10
1732	438476	3762829	1.23E-09	4.21E-09	5.44E-09	1.92E-10	6.88E-10	8.79E-10	1.03E-10	3.19E-10	4.22E-10
1733	438476	3762819	1.22E-09	4.15E-09	5.37E-09	1.89E-10	6.78E-10	8.67E-10	1.02E-10	3.15E-10	4.17E-10
1734	438476	3762809	1.20E-09	4.09E-09	5.29E-09	1.87E-10	6.69E-10	8.55E-10	1.00E-10	3.10E-10	4.11E-10
1735	438476	3762800	1.18E-09	4.03E-09	5.22E-09	1.84E-10	6.59E-10	8.43E-10	9.90E-11	3.06E-10	4.05E-10
1736	438476	3762790	1.17E-09	3.97E-09	5.14E-09	1.81E-10	6.49E-10	8.30E-10	9.75E-11	3.01E-10	3.99E-10
1737	438476.1	3762780	1.15E-09	3.91E-09	5.06E-09	1.78E-10	6.39E-10	8.17E-10	9.60E-11	2.96E-10	3.92E-10
1738	438476.1	3762770	1.13E-09	3.85E-09	4.98E-09	1.75E-10	6.29E-10	8.04E-10	9.45E-11	2.92E-10	3.86E-10
1739	438476.1	3762760	1.11E-09	3.78E-09	4.89E-09	1.72E-10	6.18E-10	7.91E-10	9.29E-11	2.87E-10	3.80E-10
1740	438476.1	3762750	1.09E-09	3.72E-09	4.81E-09	1.69E-10	6.08E-10	7.77E-10	9.13E-11	2.82E-10	3.73E-10
1741	438476.1	3762741	1.07E-09	3.65E-09	4.73E-09	1.67E-10	5.97E-10	7.64E-10	8.97E-11	2.77E-10	3.67E-10
1742	438476.1	3762731	1.05E-09	3.59E-09	4.64E-09	1.64E-10	5.86E-10	7.50E-10	8.81E-11	2.72E-10	3.60E-10
1743	438476.1	3762721	1.03E-09	3.53E-09	4.56E-09	1.61E-10	5.76E-10	7.37E-10	8.65E-11	2.67E-10	3.54E-10
1744	438504.7	3762896	1.24E-09	4.24E-09	5.48E-09	1.93E-10	6.92E-10	8.85E-10	1.04E-10	3.21E-10	4.25E-10
1745	438501.8	3762905	1.26E-09	4.30E-09	5.56E-09	1.96E-10	7.03E-10	8.99E-10	1.06E-10	3.26E-10	4.31E-10
1746	438499	3762914	1.28E-09	4.37E-09	5.65E-09	1.99E-10	7.13E-10	9.12E-10	1.07E-10	3.31E-10	4.38E-10
1747	438496.2	3762924	1.30E-09	4.43E-09	5.73E-09	2.02E-10	7.24E-10	9.26E-10	1.09E-10	3.36E-10	4.44E-10
1748	438493.4	3762933	1.32E-09	4.49E-09	5.81E-09	2.05E-10	7.34E-10	9.39E-10	1.10E-10	3.40E-10	4.51E-10
1749	438490.5	3762942	1.34E-09	4.55E-09	5.89E-09	2.07E-10	7.44E-10	9.51E-10	1.12E-10	3.45E-10	4.57E-10
1750	438487.7	3762952	1.35E-09	4.61E-09	5.96E-09	2.10E-10	7.53E-10	9.63E-10	1.13E-10	3.49E-10	4.63E-10
1751	438484.9	3762961	1.37E-09	4.67E-09	6.04E-09	2.13E-10	7.62E-10	9.75E-10	1.15E-10	3.54E-10	4.68E-10
1752	438482.1	3762970	1.38E-09	4.72E-09	6.10E-09	2.15E-10	7.70E-10	9.85E-10	1.16E-10	3.57E-10	4.73E-10
1753	438479.3	3762979	1.40E-09	4.76E-09	6.16E-09	2.17E-10	7.78E-10	9.95E-10	1.17E-10	3.61E-10	4.78E-10
1754	438476.4	3762989	1.41E-09	4.81E-09	6.22E-09	2.19E-10	7.85E-10	1.00E-09	1.18E-10	3.64E-10	4.82E-10
1755	438473.6	3762998	1.42E-09	4.85E-09	6.27E-09	2.21E-10	7.92E-10	1.01E-09	1.19E-10	3.67E-10	4.86E-10
1756	438470.8	3763007	1.43E-09	4.89E-09	6.32E-09	2.23E-10	7.99E-10	1.02E-09	1.20E-10	3.71E-10	4.91E-10
1757	438468	3763017	1.45E-09	4.93E-09	6.38E-09	2.25E-10	8.06E-10	1.03E-09	1.21E-10	3.74E-10	4.95E-10
1758	438465.1	3763026	1.46E-09	4.97E-09	6.43E-09	2.27E-10	8.12E-10	1.04E-09	1.22E-10	3.77E-10	4.99E-10
1759	438462.3	3763035	1.47E-09	5.01E-09	6.48E-09	2.28E-10	8.18E-10	1.05E-09	1.23E-10	3.79E-10	5.02E-10
1760	438459.5	3763045	1.48E-09	5.04E-09	6.51E-09	2.30E-10	8.23E-10	1.05E-09	1.24E-10	3.82E-10	5.05E-10
1761	438456.7	3763054	1.49E-09	5.06E-09	6.55E-09	2.31E-10	8.27E-10	1.06E-09	1.24E-10	3.84E-10	5.08E-10
1762	438453.9	3763063	1.49E-09	5.09E-09	6.58E-09	2.32E-10	8.31E-10	1.06E-09	1.25E-10	3.86E-10	5.11E-10
1763	438451	3763073	1.50E-09	5.11E-09	6.61E-09	2.33E-10	8.35E-10	1.07E-09	1.25E-10	3.87E-10	5.13E-10
1764	438448.2	3763082	1.50E-09	5.13E-09	6.63E-09	2.34E-10	8.38E-10	1.07E-09	1.26E-10	3.89E-10	5.14E-10
1765	438445.4	3763091	1.51E-09	5.14E-09	6.65E-09	2.34E-10	8.40E-10	1.07E-09	1.26E-10	3.90E-10	5.16E-10

1766	438442.6	3763100	1.51E-09	5.15E-09	6.66E-09	2.35E-10	8.42E-10	1.08E-09	1.26E-10	3.90E-10	5.17E-10
1767	438439.7	3763110	1.51E-09	5.16E-09	6.67E-09	2.35E-10	8.43E-10	1.08E-09	1.27E-10	3.91E-10	5.17E-10
1768	438436.9	3763119	1.51E-09	5.16E-09	6.67E-09	2.35E-10	8.43E-10	1.08E-09	1.27E-10	3.91E-10	5.18E-10
1769	438434.1	3763128	1.51E-09	5.16E-09	6.68E-09	2.35E-10	8.43E-10	1.08E-09	1.27E-10	3.91E-10	5.18E-10
1770	438431.3	3763138	1.51E-09	5.16E-09	6.67E-09	2.35E-10	8.43E-10	1.08E-09	1.27E-10	3.91E-10	5.18E-10
1771	438428.5	3763147	1.51E-09	5.15E-09	6.67E-09	2.35E-10	8.42E-10	1.08E-09	1.27E-10	3.91E-10	5.17E-10
1772	438425.6	3763156	1.51E-09	5.15E-09	6.65E-09	2.34E-10	8.41E-10	1.08E-09	1.26E-10	3.90E-10	5.16E-10
1773	438422.8	3763166	1.51E-09	5.13E-09	6.64E-09	2.34E-10	8.38E-10	1.07E-09	1.26E-10	3.89E-10	5.15E-10
1774	438420	3763175	1.50E-09	5.11E-09	6.61E-09	2.33E-10	8.35E-10	1.07E-09	1.25E-10	3.87E-10	5.13E-10
1775	438417.2	3763184	1.49E-09	5.08E-09	6.57E-09	2.31E-10	8.29E-10	1.06E-09	1.25E-10	3.85E-10	5.09E-10
1776	438414.3	3763194	1.48E-09	5.04E-09	6.52E-09	2.30E-10	8.23E-10	1.05E-09	1.24E-10	3.82E-10	5.06E-10
1777	438411.5	3763203	1.47E-09	5.00E-09	6.46E-09	2.28E-10	8.17E-10	1.04E-09	1.23E-10	3.79E-10	5.01E-10
1778	438408.7	3763212	1.45E-09	4.95E-09	6.41E-09	2.26E-10	8.09E-10	1.04E-09	1.22E-10	3.75E-10	4.97E-10
1779	438405.9	3763221	1.44E-09	4.91E-09	6.35E-09	2.24E-10	8.02E-10	1.03E-09	1.20E-10	3.72E-10	4.92E-10
1780	438403.1	3763231	1.42E-09	4.86E-09	6.28E-09	2.21E-10	7.94E-10	1.01E-09	1.19E-10	3.68E-10	4.87E-10
1781	438400.2	3763240	1.41E-09	4.81E-09	6.22E-09	2.19E-10	7.86E-10	1.00E-09	1.18E-10	3.64E-10	4.82E-10
1782	438397.4	3763249	1.39E-09	4.75E-09	6.15E-09	2.17E-10	7.77E-10	9.93E-10	1.17E-10	3.60E-10	4.77E-10
1783	438394.6	3763259	1.38E-09	4.70E-09	6.07E-09	2.14E-10	7.67E-10	9.81E-10	1.15E-10	3.56E-10	4.71E-10
1784	438391.8	3763268	1.36E-09	4.63E-09	5.99E-09	2.11E-10	7.57E-10	9.68E-10	1.14E-10	3.51E-10	4.65E-10
1785	438388.9	3763277	1.34E-09	4.56E-09	5.90E-09	2.08E-10	7.46E-10	9.54E-10	1.12E-10	3.46E-10	4.58E-10
1786	438515.9	3762858	1.17E-09	4.00E-09	5.17E-09	1.82E-10	6.53E-10	8.35E-10	9.81E-11	3.03E-10	4.01E-10
1787	438516	3762849	1.16E-09	3.96E-09	5.12E-09	1.80E-10	6.47E-10	8.27E-10	9.72E-11	3.00E-10	3.97E-10
1788	438516	3762839	1.15E-09	3.92E-09	5.07E-09	1.79E-10	6.40E-10	8.19E-10	9.62E-11	2.97E-10	3.93E-10
1789	438516	3762829	1.14E-09	3.87E-09	5.01E-09	1.77E-10	6.33E-10	8.10E-10	9.51E-11	2.94E-10	3.89E-10
1790	438516	3762819	1.12E-09	3.82E-09	4.95E-09	1.74E-10	6.25E-10	7.99E-10	9.39E-11	2.90E-10	3.84E-10
1791	438516	3762809	1.11E-09	3.77E-09	4.88E-09	1.72E-10	6.16E-10	7.88E-10	9.26E-11	2.86E-10	3.78E-10
1792	438516	3762800	1.09E-09	3.72E-09	4.81E-09	1.70E-10	6.08E-10	7.77E-10	9.13E-11	2.82E-10	3.73E-10
1793	438516	3762790	1.08E-09	3.67E-09	4.74E-09	1.67E-10	5.99E-10	7.66E-10	9.00E-11	2.78E-10	3.68E-10
1794	438516.1	3762780	1.06E-09	3.61E-09	4.67E-09	1.65E-10	5.90E-10	7.55E-10	8.87E-11	2.74E-10	3.62E-10
1795	438516.1	3762770	1.04E-09	3.56E-09	4.60E-09	1.62E-10	5.81E-10	7.43E-10	8.73E-11	2.69E-10	3.57E-10
1796	438516.1	3762760	1.03E-09	3.50E-09	4.53E-09	1.59E-10	5.72E-10	7.31E-10	8.59E-11	2.65E-10	3.51E-10
1797	438516.1	3762751	1.01E-09	3.44E-09	4.45E-09	1.57E-10	5.62E-10	7.19E-10	8.45E-11	2.61E-10	3.45E-10
1798	438516.1	3762741	9.93E-10	3.39E-09	4.38E-09	1.54E-10	5.53E-10	7.07E-10	8.31E-11	2.57E-10	3.40E-10
1799	438516.1	3762731	9.76E-10	3.33E-09	4.30E-09	1.52E-10	5.44E-10	6.95E-10	8.17E-11	2.52E-10	3.34E-10
1800	438516.1	3762721	9.59E-10	3.27E-09	4.23E-09	1.49E-10	5.34E-10	6.83E-10	8.02E-11	2.48E-10	3.28E-10
1801	438544.6	3762896	1.14E-09	3.90E-09	5.04E-09	1.78E-10	6.37E-10	8.14E-10	9.56E-11	2.95E-10	3.91E-10
1802	438541.7	3762905	1.16E-09	3.95E-09	5.11E-09	1.80E-10	6.45E-10	8.25E-10	9.70E-11	2.99E-10	3.96E-10
1803	438538.9	3762915	1.18E-09	4.01E-09	5.18E-09	1.83E-10	6.55E-10	8.37E-10	9.84E-11	3.04E-10	4.02E-10
1804	438536.1	3762924	1.19E-09	4.06E-09	5.26E-09	1.85E-10	6.64E-10	8.49E-10	9.98E-11	3.08E-10	4.08E-10
1805	438533.2	3762933	1.21E-09	4.12E-09	5.33E-09	1.88E-10	6.73E-10	8.61E-10	1.01E-10	3.12E-10	4.13E-10
1806	438530.4	3762943	1.23E-09	4.18E-09	5.40E-09	1.90E-10	6.83E-10	8.73E-10	1.03E-10	3.17E-10	4.19E-10
1807	438527.5	3762952	1.24E-09	4.23E-09	5.48E-09	1.93E-10	6.92E-10	8.85E-10	1.04E-10	3.21E-10	4.25E-10
1808	438524.7	3762962	1.26E-09	4.29E-09	5.54E-09	1.95E-10	7.00E-10	8.96E-10	1.05E-10	3.25E-10	4.30E-10
1809	438521.9	3762971	1.27E-09	4.33E-09	5.60E-09	1.97E-10	7.08E-10	9.05E-10	1.06E-10	3.28E-10	4.35E-10
1810	438519	3762980	1.28E-09	4.38E-09	5.66E-09	1.99E-10	7.15E-10	9.14E-10	1.07E-10	3.32E-10	4.39E-10
1811	438516.2	3762990	1.29E-09	4.42E-09	5.71E-09	2.01E-10	7.21E-10	9.23E-10	1.08E-10	3.35E-10	4.43E-10
1812	438513.3	3762999	1.31E-09	4.46E-09	5.76E-09	2.03E-10	7.28E-10	9.31E-10	1.09E-10	3.38E-10	4.47E-10
1813	438510.5	3763008	1.32E-09	4.50E-09	5.81E-09	2.05E-10	7.35E-10	9.39E-10	1.10E-10	3.41E-10	4.51E-10
1814	438507.7	3763018	1.33E-09	4.53E-09	5.86E-09	2.07E-10	7.41E-10	9.47E-10	1.11E-10	3.44E-10	4.55E-10
1815	438504.8	3763027	1.34E-09	4.57E-09	5.91E-09	2.08E-10	7.47E-10	9.55E-10	1.12E-10	3.47E-10	4.59E-10
1816	438502	3763036	1.35E-09	4.61E-09	5.96E-09	2.10E-10	7.53E-10	9.63E-10	1.13E-10	3.49E-10	4.63E-10
1817	438499.1	3763046	1.36E-09	4.65E-09	6.01E-09	2.12E-10	7.59E-10	9.71E-10	1.14E-10	3.52E-10	4.66E-10
1818	438496.3	3763055	1.37E-09	4.68E-09	6.05E-09	2.13E-10	7.64E-10	9.77E-10	1.15E-10	3.54E-10	4.69E-10
1819	438493.5	3763065	1.38E-09	4.70E-09	6.08E-09	2.14E-10	7.68E-10	9.82E-10	1.15E-10	3.56E-10	4.72E-10
1820	438490.6	3763074	1.38E-09	4.72E-09	6.11E-09	2.15E-10	7.71E-10	9.87E-10	1.16E-10	3.58E-10	4.74E-10
1821	438487.8	3763083	1.39E-09	4.74E-09	6.13E-09	2.16E-10	7.75E-10	9.91E-10	1.16E-10	3.59E-10	4.76E-10
1822	438484.9	3763093	1.39E-09	4.76E-09	6.15E-09	2.17E-10	7.77E-10	9.94E-10	1.17E-10	3.60E-10	4.77E-10
1823	438482.1	3763102	1.40E-09	4.77E-09	6.17E-09	2.17E-10	7.79E-10	9.97E-10	1.17E-10	3.61E-10	4.78E-10
1824	438479.3	3763111	1.40E-09	4.78E-09	6.18E-09	2.18E-10	7.81E-10	9.99E-10	1.17E-10	3.62E-10	4.79E-10
1825	438476.4	3763121	1.40E-09	4.78E-09	6.18E-09	2.18E-10	7.81E-10	9.99E-10	1.17E-10	3.62E-10	4.80E-10
1826	438473.6	3763130	1.40E-09	4.78E-09	6.18E-09	2.18E-10	7.81E-10	9.99E-10	1.17E-10	3.62E-10	4.80E-10

1827	438470.7	3763140	1.40E-09	4.78E-09	6.18E-09	2.18E-10	7.81E-10	9.99E-10	1.17E-10	3.62E-10	4.79E-10
1828	438467.9	3763149	1.40E-09	4.78E-09	6.18E-09	2.18E-10	7.80E-10	9.98E-10	1.17E-10	3.62E-10	4.79E-10
1829	438465.1	3763158	1.40E-09	4.77E-09	6.17E-09	2.17E-10	7.80E-10	9.97E-10	1.17E-10	3.62E-10	4.79E-10
1830	438462.2	3763168	1.40E-09	4.77E-09	6.16E-09	2.17E-10	7.79E-10	9.96E-10	1.17E-10	3.61E-10	4.78E-10
1831	438459.4	3763177	1.39E-09	4.75E-09	6.14E-09	2.16E-10	7.76E-10	9.93E-10	1.17E-10	3.60E-10	4.77E-10
1832	438456.5	3763186	1.39E-09	4.73E-09	6.12E-09	2.16E-10	7.73E-10	9.88E-10	1.16E-10	3.58E-10	4.75E-10
1833	438453.7	3763196	1.38E-09	4.71E-09	6.09E-09	2.14E-10	7.69E-10	9.83E-10	1.16E-10	3.57E-10	4.72E-10
1834	438450.9	3763205	1.37E-09	4.68E-09	6.05E-09	2.13E-10	7.64E-10	9.78E-10	1.15E-10	3.55E-10	4.69E-10
1835	438448	3763214	1.36E-09	4.65E-09	6.01E-09	2.12E-10	7.60E-10	9.71E-10	1.14E-10	3.52E-10	4.66E-10
1836	438445.2	3763224	1.35E-09	4.62E-09	5.97E-09	2.10E-10	7.54E-10	9.64E-10	1.13E-10	3.50E-10	4.63E-10
1837	438442.3	3763233	1.34E-09	4.58E-09	5.92E-09	2.09E-10	7.48E-10	9.56E-10	1.12E-10	3.47E-10	4.59E-10
1838	438439.5	3763243	1.33E-09	4.54E-09	5.87E-09	2.07E-10	7.41E-10	9.48E-10	1.11E-10	3.44E-10	4.55E-10
1839	438436.7	3763252	1.32E-09	4.49E-09	5.81E-09	2.05E-10	7.34E-10	9.39E-10	1.10E-10	3.40E-10	4.51E-10
1840	438433.8	3763261	1.30E-09	4.45E-09	5.75E-09	2.03E-10	7.26E-10	9.29E-10	1.09E-10	3.37E-10	4.46E-10
1841	438431	3763271	1.29E-09	4.39E-09	5.68E-09	2.00E-10	7.17E-10	9.18E-10	1.08E-10	3.33E-10	4.41E-10
1842	438428.1	3763280	1.27E-09	4.33E-09	5.60E-09	1.97E-10	7.08E-10	9.05E-10	1.06E-10	3.28E-10	4.35E-10
1843	438425.3	3763289	1.25E-09	4.27E-09	5.53E-09	1.95E-10	6.98E-10	8.93E-10	1.05E-10	3.24E-10	4.29E-10
1844	438422.5	3763299	1.23E-09	4.20E-09	5.44E-09	1.92E-10	6.87E-10	8.78E-10	1.03E-10	3.19E-10	4.22E-10
1845	438419.6	3763308	1.21E-09	4.13E-09	5.35E-09	1.88E-10	6.75E-10	8.64E-10	1.01E-10	3.13E-10	4.15E-10
1846	438416.8	3763318	1.20E-09	4.08E-09	5.28E-09	1.86E-10	6.67E-10	8.53E-10	1.00E-10	3.09E-10	4.09E-10
1847	438413.9	3763327	1.18E-09	4.01E-09	5.18E-09	1.83E-10	6.55E-10	8.37E-10	9.84E-11	3.04E-10	4.02E-10
1848	438411.1	3763336	1.15E-09	3.93E-09	5.08E-09	1.79E-10	6.42E-10	8.21E-10	9.65E-11	2.98E-10	3.94E-10
1849	438408.2	3763346	1.13E-09	3.85E-09	4.98E-09	1.76E-10	6.30E-10	8.05E-10	9.46E-11	2.92E-10	3.87E-10
1850	438405.4	3763355	1.11E-09	3.77E-09	4.88E-09	1.72E-10	6.17E-10	7.89E-10	9.26E-11	2.86E-10	3.79E-10
1851	438402.6	3763364	1.08E-09	3.69E-09	4.78E-09	1.68E-10	6.03E-10	7.72E-10	9.07E-11	2.80E-10	3.71E-10
1852	438399.7	3763374	1.06E-09	3.61E-09	4.67E-09	1.65E-10	5.90E-10	7.54E-10	8.86E-11	2.74E-10	3.62E-10
1853	438396.9	3763383	1.03E-09	3.53E-09	4.56E-09	1.61E-10	5.76E-10	7.37E-10	8.66E-11	2.67E-10	3.54E-10
1854	438394	3763392	1.01E-09	3.45E-09	4.46E-09	1.57E-10	5.63E-10	7.20E-10	8.46E-11	2.61E-10	3.46E-10
1855	438391.2	3763402	9.86E-10	3.36E-09	4.35E-09	1.53E-10	5.49E-10	7.02E-10	8.25E-11	2.55E-10	3.37E-10
1856	438555.9	3762859	1.08E-09	3.68E-09	4.77E-09	1.68E-10	6.02E-10	7.70E-10	9.04E-11	2.79E-10	3.70E-10
1857	438556	3762849	1.07E-09	3.65E-09	4.72E-09	1.66E-10	5.96E-10	7.62E-10	8.95E-11	2.76E-10	3.66E-10
1858	438556	3762839	1.06E-09	3.61E-09	4.66E-09	1.64E-10	5.89E-10	7.54E-10	8.85E-11	2.73E-10	3.62E-10
1859	438556	3762829	1.05E-09	3.57E-09	4.62E-09	1.63E-10	5.83E-10	7.46E-10	8.76E-11	2.70E-10	3.58E-10
1860	438556	3762819	1.04E-09	3.53E-09	4.56E-09	1.61E-10	5.77E-10	7.37E-10	8.66E-11	2.67E-10	3.54E-10
1861	438556	3762809	1.02E-09	3.49E-09	4.51E-09	1.59E-10	5.70E-10	7.28E-10	8.56E-11	2.64E-10	3.50E-10
1862	438556	3762800	1.01E-09	3.44E-09	4.45E-09	1.57E-10	5.62E-10	7.19E-10	8.44E-11	2.61E-10	3.45E-10
1863	438556	3762790	9.95E-10	3.39E-09	4.39E-09	1.55E-10	5.54E-10	7.09E-10	8.33E-11	2.57E-10	3.40E-10
1864	438556.1	3762780	9.81E-10	3.35E-09	4.33E-09	1.52E-10	5.47E-10	6.99E-10	8.21E-11	2.53E-10	3.36E-10
1865	438556.1	3762770	9.67E-10	3.30E-09	4.26E-09	1.50E-10	5.38E-10	6.89E-10	8.09E-11	2.50E-10	3.31E-10
1866	438556.1	3762760	9.52E-10	3.25E-09	4.20E-09	1.48E-10	5.30E-10	6.78E-10	7.97E-11	2.46E-10	3.26E-10
1867	438556.1	3762751	9.37E-10	3.20E-09	4.13E-09	1.46E-10	5.22E-10	6.68E-10	7.84E-11	2.42E-10	3.21E-10
1868	438556.1	3762741	9.22E-10	3.14E-09	4.07E-09	1.43E-10	5.14E-10	6.57E-10	7.72E-11	2.38E-10	3.15E-10
1869	438556.1	3762731	9.07E-10	3.09E-09	4.00E-09	1.41E-10	5.05E-10	6.46E-10	7.59E-11	2.34E-10	3.10E-10
1870	438556.1	3762721	8.92E-10	3.04E-09	3.93E-09	1.39E-10	4.97E-10	6.36E-10	7.47E-11	2.31E-10	3.05E-10
1871	437546.8	3762710	6.46E-08	2.20E-07	2.85E-07	1.00E-08	3.60E-08	4.60E-08	5.41E-09	1.67E-08	2.21E-08
1872	437537.4	3762710	6.88E-08	2.34E-07	3.03E-07	1.07E-08	3.83E-08	4.90E-08	5.76E-09	1.78E-08	2.35E-08
1873	437528	3762710	7.20E-08	2.45E-07	3.17E-07	1.12E-08	4.01E-08	5.13E-08	6.02E-09	1.86E-08	2.46E-08
1874	437518.6	3762710	7.43E-08	2.53E-07	3.28E-07	1.15E-08	4.14E-08	5.29E-08	6.22E-09	1.92E-08	2.54E-08
1875	437509.2	3762710	7.53E-08	2.57E-07	3.32E-07	1.17E-08	4.19E-08	5.36E-08	6.30E-09	1.95E-08	2.58E-08
1876	437499.8	3762710	7.57E-08	2.58E-07	3.34E-07	1.18E-08	4.22E-08	5.39E-08	6.34E-09	1.96E-08	2.59E-08
1877	437490.4	3762710	7.55E-08	2.58E-07	3.33E-07	1.17E-08	4.21E-08	5.38E-08	6.32E-09	1.95E-08	2.58E-08
1878	437481	3762710	7.44E-08	2.54E-07	3.28E-07	1.16E-08	4.15E-08	5.30E-08	6.23E-09	1.92E-08	2.55E-08
1879	437471.6	3762710	7.29E-08	2.48E-07	3.21E-07	1.13E-08	4.06E-08	5.19E-08	6.10E-09	1.88E-08	2.49E-08
1880	437462.2	3762710	7.09E-08	2.42E-07	3.13E-07	1.10E-08	3.95E-08	5.05E-08	5.94E-09	1.83E-08	2.43E-08
1881	437452.8	3762710	6.87E-08	2.34E-07	3.03E-07	1.07E-08	3.82E-08	4.89E-08	5.75E-09	1.77E-08	2.35E-08
1882	437546.8	3762700	4.66E-08	1.59E-07	2.06E-07	7.24E-09	2.60E-08	3.32E-08	3.90E-09	1.20E-08	1.59E-08
1883	437537.4	3762700	4.90E-08	1.67E-07	2.16E-07	7.61E-09	2.73E-08	3.49E-08	4.10E-09	1.27E-08	1.68E-08
1884	437528	3762700	5.09E-08	1.74E-07	2.25E-07	7.91E-09	2.84E-08	3.63E-08	4.26E-09	1.32E-08	1.74E-08
1885	437518.6	3762700	5.23E-08	1.78E-07	2.31E-07	8.13E-09	2.91E-08	3.73E-08	4.38E-09	1.35E-08	1.79E-08
1886	437509.2	3762700	5.30E-08	1.81E-07	2.34E-07	8.23E-09	2.95E-08	3.77E-08	4.43E-09	1.37E-08	1.81E-08
1887	437499.8	3762700	5.32E-08	1.81E-07	2.35E-07	8.27E-09	2.96E-08	3.79E-08	4.45E-09	1.37E-08	1.82E-08

1888	437490.4	3762700	5.30E-08	1.81E-07	2.34E-07	8.24E-09	2.95E-08	3.78E-08	4.44E-09	1.37E-08	1.81E-08
1889	437481	3762700	5.24E-08	1.79E-07	2.31E-07	8.14E-09	2.92E-08	3.73E-08	4.39E-09	1.35E-08	1.79E-08
1890	437471.6	3762700	5.14E-08	1.75E-07	2.27E-07	7.99E-09	2.86E-08	3.66E-08	4.30E-09	1.33E-08	1.76E-08
1891	437462.2	3762700	5.01E-08	1.71E-07	2.21E-07	7.79E-09	2.79E-08	3.57E-08	4.19E-09	1.29E-08	1.71E-08
1892	437452.8	3762700	4.84E-08	1.65E-07	2.13E-07	7.52E-09	2.70E-08	3.45E-08	4.05E-09	1.25E-08	1.66E-08
1893	437546.8	3762690	3.53E-08	1.20E-07	1.56E-07	5.48E-09	1.97E-08	2.51E-08	2.95E-09	9.12E-09	1.21E-08
1894	437537.4	3762690	3.67E-08	1.25E-07	1.62E-07	5.70E-09	2.04E-08	2.61E-08	3.07E-09	9.48E-09	1.26E-08
1895	437528	3762690	3.78E-08	1.29E-07	1.67E-07	5.88E-09	2.11E-08	2.70E-08	3.17E-09	9.78E-09	1.29E-08
1896	437518.6	3762690	3.87E-08	1.32E-07	1.71E-07	6.01E-09	2.15E-08	2.76E-08	3.24E-09	1.00E-08	1.32E-08
1897	437509.2	3762690	3.91E-08	1.33E-07	1.72E-07	6.07E-09	2.18E-08	2.78E-08	3.27E-09	1.01E-08	1.34E-08
1898	437499.8	3762690	3.92E-08	1.34E-07	1.73E-07	6.09E-09	2.18E-08	2.79E-08	3.28E-09	1.01E-08	1.34E-08
1899	437490.4	3762690	3.90E-08	1.33E-07	1.72E-07	6.06E-09	2.17E-08	2.78E-08	3.26E-09	1.01E-08	1.33E-08
1900	437481	3762690	3.86E-08	1.32E-07	1.70E-07	6.00E-09	2.15E-08	2.75E-08	3.23E-09	9.97E-09	1.32E-08
1901	437471.6	3762690	3.79E-08	1.29E-07	1.67E-07	5.89E-09	2.11E-08	2.70E-08	3.17E-09	9.80E-09	1.30E-08
1902	437462.2	3762690	3.70E-08	1.26E-07	1.63E-07	5.75E-09	2.06E-08	2.64E-08	3.10E-09	9.57E-09	1.27E-08
1903	437452.8	3762690	3.57E-08	1.22E-07	1.58E-07	5.55E-09	1.99E-08	2.55E-08	2.99E-09	9.23E-09	1.22E-08
1904	437546.8	3762680	2.78E-08	9.47E-08	1.22E-07	4.32E-09	1.55E-08	1.98E-08	2.32E-09	7.18E-09	9.50E-09
1905	437537.4	3762680	2.86E-08	9.74E-08	1.26E-07	4.44E-09	1.59E-08	2.04E-08	2.39E-09	7.38E-09	9.77E-09
1906	437528	3762680	2.92E-08	9.95E-08	1.29E-07	4.53E-09	1.63E-08	2.08E-08	2.44E-09	7.54E-09	9.98E-09
1907	437518.6	3762680	2.96E-08	1.01E-07	1.31E-07	4.60E-09	1.65E-08	2.11E-08	2.48E-09	7.65E-09	1.01E-08
1908	437509.2	3762680	2.99E-08	1.02E-07	1.32E-07	4.64E-09	1.66E-08	2.13E-08	2.50E-09	7.72E-09	1.02E-08
1909	437499.8	3762680	2.99E-08	1.02E-07	1.32E-07	4.65E-09	1.67E-08	2.13E-08	2.51E-09	7.73E-09	1.02E-08
1910	437490.4	3762680	2.98E-08	1.02E-07	1.31E-07	4.63E-09	1.66E-08	2.12E-08	2.49E-09	7.70E-09	1.02E-08
1911	437481	3762680	2.95E-08	1.01E-07	1.30E-07	4.58E-09	1.64E-08	2.10E-08	2.47E-09	7.62E-09	1.01E-08
1912	437471.6	3762680	2.90E-08	9.90E-08	1.28E-07	4.51E-09	1.62E-08	2.07E-08	2.43E-09	7.50E-09	9.93E-09
1913	437462.2	3762680	2.84E-08	9.68E-08	1.25E-07	4.41E-09	1.58E-08	2.02E-08	2.38E-09	7.33E-09	9.71E-09
1914	437452.8	3762680	2.75E-08	9.37E-08	1.21E-07	4.27E-09	1.53E-08	1.96E-08	2.30E-09	7.10E-09	9.40E-09
1915	437546.7	3762670	2.24E-08	7.65E-08	9.89E-08	3.48E-09	1.25E-08	1.60E-08	1.88E-09	5.79E-09	7.67E-09
1916	437537.4	3762670	2.29E-08	7.80E-08	1.01E-07	3.55E-09	1.27E-08	1.63E-08	1.91E-09	5.91E-09	7.82E-09
1917	437528	3762670	2.32E-08	7.91E-08	1.02E-07	3.60E-09	1.29E-08	1.65E-08	1.94E-09	5.99E-09	7.94E-09
1918	437518.6	3762670	2.34E-08	7.98E-08	1.03E-07	3.64E-09	1.30E-08	1.67E-08	1.96E-09	6.05E-09	8.01E-09
1919	437509.2	3762670	2.36E-08	8.03E-08	1.04E-07	3.66E-09	1.31E-08	1.68E-08	1.97E-09	6.09E-09	8.06E-09
1920	437499.8	3762670	2.36E-08	8.04E-08	1.04E-07	3.67E-09	1.31E-08	1.68E-08	1.97E-09	6.10E-09	8.07E-09
1921	437490.4	3762670	2.35E-08	8.01E-08	1.04E-07	3.65E-09	1.31E-08	1.67E-08	1.97E-09	6.07E-09	8.04E-09
1922	437481	3762670	2.33E-08	7.93E-08	1.03E-07	3.61E-09	1.30E-08	1.66E-08	1.95E-09	6.01E-09	7.96E-09
1923	437471.6	3762670	2.29E-08	7.81E-08	1.01E-07	3.56E-09	1.28E-08	1.63E-08	1.92E-09	5.92E-09	7.83E-09
1924	437462.2	3762670	2.24E-08	7.64E-08	9.88E-08	3.48E-09	1.25E-08	1.60E-08	1.88E-09	5.79E-09	7.67E-09
1925	437452.8	3762670	2.17E-08	7.41E-08	9.59E-08	3.38E-09	1.21E-08	1.55E-08	1.82E-09	5.62E-09	7.44E-09
1926	437443.5	3762670	2.10E-08	7.14E-08	9.24E-08	3.26E-09	1.17E-08	1.49E-08	1.75E-09	5.41E-09	7.17E-09
1927	437581.6	3762670	1.98E-08	6.75E-08	8.73E-08	3.07E-09	1.10E-08	1.41E-08	1.66E-09	5.11E-09	6.77E-09
1928	437590.1	3762674	2.02E-08	6.89E-08	8.91E-08	3.14E-09	1.13E-08	1.44E-08	1.69E-09	5.22E-09	6.91E-09
1929	437546.7	3762660	1.85E-08	6.30E-08	8.14E-08	2.87E-09	1.03E-08	1.32E-08	1.55E-09	4.77E-09	6.32E-09
1930	437537.4	3762660	1.87E-08	6.39E-08	8.26E-08	2.91E-09	1.04E-08	1.33E-08	1.57E-09	4.84E-09	6.41E-09
1931	437528	3762660	1.89E-08	6.44E-08	8.33E-08	2.93E-09	1.05E-08	1.35E-08	1.58E-09	4.88E-09	6.46E-09
1932	437518.6	3762660	1.90E-08	6.47E-08	8.37E-08	2.95E-09	1.06E-08	1.35E-08	1.59E-09	4.90E-09	6.49E-09
1933	437509.2	3762660	1.91E-08	6.50E-08	8.41E-08	2.96E-09	1.06E-08	1.36E-08	1.60E-09	4.92E-09	6.52E-09
1934	437499.8	3762660	1.91E-08	6.50E-08	8.41E-08	2.96E-09	1.06E-08	1.36E-08	1.60E-09	4.93E-09	6.52E-09
1935	437490.4	3762660	1.90E-08	6.47E-08	8.36E-08	2.95E-09	1.06E-08	1.35E-08	1.59E-09	4.90E-09	6.49E-09
1936	437481	3762660	1.88E-08	6.40E-08	8.28E-08	2.92E-09	1.05E-08	1.34E-08	1.57E-09	4.85E-09	6.42E-09
1937	437471.6	3762660	1.85E-08	6.31E-08	8.15E-08	2.87E-09	1.03E-08	1.32E-08	1.55E-09	4.78E-09	6.33E-09
1938	437462.2	3762660	1.81E-08	6.18E-08	7.99E-08	2.81E-09	1.01E-08	1.29E-08	1.52E-09	4.68E-09	6.20E-09
1939	437452.8	3762660	1.76E-08	6.01E-08	7.77E-08	2.74E-09	9.81E-09	1.25E-08	1.47E-09	4.55E-09	6.03E-09
1940	437443.4	3762660	1.70E-08	5.80E-08	7.51E-08	2.65E-09	9.48E-09	1.21E-08	1.42E-09	4.40E-09	5.82E-09
1941	437597.4	3762667	1.74E-08	5.93E-08	7.67E-08	2.70E-09	9.68E-09	1.24E-08	1.46E-09	4.49E-09	5.95E-09
1942	437546.7	3762650	1.55E-08	5.27E-08	6.82E-08	2.40E-09	8.61E-09	1.10E-08	1.29E-09	4.00E-09	5.29E-09
1943	437537.4	3762650	1.56E-08	5.33E-08	6.89E-08	2.43E-09	8.71E-09	1.11E-08	1.31E-09	4.04E-09	5.35E-09
1944	437528	3762650	1.57E-08	5.36E-08	6.94E-08	2.44E-09	8.76E-09	1.12E-08	1.32E-09	4.06E-09	5.38E-09
1945	437518.6	3762650	1.58E-08	5.38E-08	6.95E-08	2.45E-09	8.78E-09	1.12E-08	1.32E-09	4.07E-09	5.39E-09
1946	437509.2	3762650	1.58E-08	5.39E-08	6.97E-08	2.45E-09	8.80E-09	1.13E-08	1.32E-09	4.08E-09	5.40E-09
1947	437499.8	3762650	1.58E-08	5.38E-08	6.95E-08	2.45E-09	8.78E-09	1.12E-08	1.32E-09	4.07E-09	5.39E-09
1948	437490.4	3762650	1.57E-08	5.34E-08	6.91E-08	2.43E-09	8.73E-09	1.12E-08	1.31E-09	4.05E-09	5.36E-09

1949	437481	3762650	1.55E-08	5.29E-08	6.84E-08	2.41E-09	8.63E-09	1.10E-08	1.30E-09	4.00E-09	5.30E-09
1950	437471.6	3762650	1.53E-08	5.21E-08	6.73E-08	2.37E-09	8.50E-09	1.09E-08	1.28E-09	3.94E-09	5.22E-09
1951	437462.2	3762650	1.50E-08	5.10E-08	6.60E-08	2.32E-09	8.33E-09	1.07E-08	1.25E-09	3.87E-09	5.12E-09
1952	437452.8	3762650	1.46E-08	4.97E-08	6.42E-08	2.26E-09	8.12E-09	1.04E-08	1.22E-09	3.76E-09	4.98E-09
1953	437443.4	3762650	1.41E-08	4.81E-08	6.22E-08	2.19E-09	7.86E-09	1.01E-08	1.18E-09	3.65E-09	4.83E-09
1954	437596.6	3762656	1.49E-08	5.08E-08	6.57E-08	2.31E-09	8.29E-09	1.06E-08	1.25E-09	3.85E-09	5.09E-09
1955	437616.1	3762671	1.69E-08	5.76E-08	7.44E-08	2.62E-09	9.40E-09	1.20E-08	1.41E-09	4.36E-09	5.77E-09
1956	437546.7	3762640	1.31E-08	4.48E-08	5.79E-08	2.04E-09	7.31E-09	9.35E-09	1.10E-09	3.39E-09	4.49E-09
1957	437537.4	3762640	1.32E-08	4.51E-08	5.84E-08	2.06E-09	7.37E-09	9.43E-09	1.11E-09	3.42E-09	4.53E-09
1958	437528	3762640	1.33E-08	4.53E-08	5.86E-08	2.06E-09	7.40E-09	9.47E-09	1.11E-09	3.43E-09	4.55E-09
1959	437518.6	3762640	1.33E-08	4.53E-08	5.86E-08	2.07E-09	7.41E-09	9.47E-09	1.11E-09	3.43E-09	4.55E-09
1960	437509.2	3762640	1.33E-08	4.53E-08	5.86E-08	2.07E-09	7.40E-09	9.47E-09	1.11E-09	3.43E-09	4.55E-09
1961	437499.8	3762640	1.32E-08	4.52E-08	5.84E-08	2.06E-09	7.38E-09	9.43E-09	1.11E-09	3.42E-09	4.53E-09
1962	437490.4	3762640	1.31E-08	4.48E-08	5.79E-08	2.04E-09	7.32E-09	9.36E-09	1.10E-09	3.39E-09	4.49E-09
1963	437481	3762640	1.30E-08	4.43E-08	5.73E-08	2.02E-09	7.24E-09	9.26E-09	1.09E-09	3.36E-09	4.45E-09
1964	437471.6	3762640	1.28E-08	4.36E-08	5.64E-08	1.99E-09	7.13E-09	9.12E-09	1.07E-09	3.31E-09	4.38E-09
1965	437462.2	3762640	1.25E-08	4.28E-08	5.53E-08	1.95E-09	6.99E-09	8.93E-09	1.05E-09	3.24E-09	4.29E-09
1966	437452.8	3762640	1.22E-08	4.17E-08	5.39E-08	1.90E-09	6.81E-09	8.71E-09	1.02E-09	3.16E-09	4.18E-09
1967	437443.4	3762640	1.19E-08	4.05E-08	5.23E-08	1.84E-09	6.61E-09	8.46E-09	9.94E-10	3.07E-09	4.06E-09
1968	437595.9	3762646	1.29E-08	4.39E-08	5.67E-08	2.00E-09	7.17E-09	9.17E-09	1.08E-09	3.32E-09	4.40E-09
1969	437611.9	3762653	1.33E-08	4.52E-08	5.85E-08	2.06E-09	7.39E-09	9.45E-09	1.11E-09	3.43E-09	4.54E-09
1970	437623.1	3762664	1.47E-08	5.00E-08	6.47E-08	2.28E-09	8.17E-09	1.04E-08	1.23E-09	3.79E-09	5.02E-09
1971	437546.7	3762630	1.13E-08	3.84E-08	4.97E-08	1.75E-09	6.28E-09	8.03E-09	9.43E-10	2.91E-09	3.85E-09
1972	437537.4	3762630	1.13E-08	3.86E-08	5.00E-08	1.76E-09	6.31E-09	8.07E-09	9.49E-10	2.93E-09	3.88E-09
1973	437528	3762630	1.14E-08	3.87E-08	5.01E-08	1.76E-09	6.33E-09	8.09E-09	9.51E-10	2.94E-09	3.89E-09
1974	437518.6	3762630	1.13E-08	3.87E-08	5.00E-08	1.76E-09	6.32E-09	8.08E-09	9.50E-10	2.93E-09	3.88E-09
1975	437509.2	3762630	1.13E-08	3.86E-08	4.99E-08	1.76E-09	6.31E-09	8.07E-09	9.48E-10	2.93E-09	3.87E-09
1976	437499.8	3762630	1.13E-08	3.84E-08	4.97E-08	1.75E-09	6.28E-09	8.03E-09	9.43E-10	2.91E-09	3.85E-09
1977	437490.4	3762630	1.12E-08	3.81E-08	4.92E-08	1.73E-09	6.22E-09	7.96E-09	9.35E-10	2.89E-09	3.82E-09
1978	437481	3762630	1.10E-08	3.76E-08	4.87E-08	1.72E-09	6.15E-09	7.86E-09	9.24E-10	2.85E-09	3.78E-09
1979	437471.6	3762630	1.09E-08	3.71E-08	4.79E-08	1.69E-09	6.05E-09	7.74E-09	9.10E-10	2.81E-09	3.72E-09
1980	437462.2	3762630	1.07E-08	3.63E-08	4.70E-08	1.66E-09	5.93E-09	7.59E-09	8.92E-10	2.75E-09	3.64E-09
1981	437452.8	3762630	1.04E-08	3.54E-08	4.58E-08	1.62E-09	5.79E-09	7.41E-09	8.70E-10	2.69E-09	3.56E-09
1982	437443.4	3762630	1.01E-08	3.45E-08	4.46E-08	1.57E-09	5.63E-09	7.20E-09	8.46E-10	2.61E-09	3.46E-09
1983	437595.5	3762636	1.12E-08	3.82E-08	4.94E-08	1.74E-09	6.24E-09	7.98E-09	9.37E-10	2.89E-09	3.83E-09
1984	437611.2	3762643	1.16E-08	3.95E-08	5.11E-08	1.80E-09	6.45E-09	8.25E-09	9.69E-10	2.99E-09	3.96E-09
1985	437630.2	3762657	1.29E-08	4.39E-08	5.67E-08	2.00E-09	7.16E-09	9.16E-09	1.08E-09	3.32E-09	4.40E-09
1986	437636.7	3762673	1.53E-08	5.21E-08	6.74E-08	2.37E-09	8.51E-09	1.09E-08	1.28E-09	3.95E-09	5.23E-09
1987	437546.7	3762620	9.77E-09	3.33E-08	4.31E-08	1.52E-09	5.44E-09	6.96E-09	8.17E-10	2.52E-09	3.34E-09
1988	437537.4	3762620	9.81E-09	3.34E-08	4.33E-08	1.52E-09	5.46E-09	6.99E-09	8.21E-10	2.53E-09	3.36E-09
1989	437528	3762620	9.82E-09	3.35E-08	4.33E-08	1.53E-09	5.47E-09	7.00E-09	8.22E-10	2.54E-09	3.36E-09
1990	437518.6	3762620	9.80E-09	3.34E-08	4.32E-08	1.52E-09	5.46E-09	6.98E-09	8.20E-10	2.53E-09	3.35E-09
1991	437509.2	3762620	9.77E-09	3.33E-08	4.31E-08	1.52E-09	5.44E-09	6.96E-09	8.18E-10	2.52E-09	3.34E-09
1992	437499.8	3762620	9.70E-09	3.31E-08	4.28E-08	1.51E-09	5.41E-09	6.91E-09	8.12E-10	2.51E-09	3.32E-09
1993	437490.4	3762620	9.61E-09	3.28E-08	4.24E-08	1.49E-09	5.35E-09	6.84E-09	8.04E-10	2.48E-09	3.29E-09
1994	437481	3762620	9.49E-09	3.23E-08	4.18E-08	1.47E-09	5.28E-09	6.76E-09	7.94E-10	2.45E-09	3.24E-09
1995	437471.6	3762620	9.33E-09	3.18E-08	4.12E-08	1.45E-09	5.20E-09	6.65E-09	7.81E-10	2.41E-09	3.19E-09
1996	437462.2	3762620	9.15E-09	3.12E-08	4.03E-08	1.42E-09	5.10E-09	6.52E-09	7.66E-10	2.36E-09	3.13E-09
1997	437452.8	3762620	8.94E-09	3.05E-08	3.94E-08	1.39E-09	4.98E-09	6.37E-09	7.48E-10	2.31E-09	3.06E-09
1998	437443.4	3762620	8.70E-09	2.97E-08	3.84E-08	1.35E-09	4.85E-09	6.20E-09	7.28E-10	2.25E-09	2.98E-09
1999	437590.1	3762614	8.52E-09	2.91E-08	3.76E-08	1.32E-09	4.75E-09	6.07E-09	7.13E-10	2.20E-09	2.92E-09
2000	437598.6	3762617	8.73E-09	2.98E-08	3.85E-08	1.36E-09	4.87E-09	6.22E-09	7.31E-10	2.26E-09	2.99E-09
2001	437607.1	3762621	8.92E-09	3.04E-08	3.93E-08	1.39E-09	4.97E-09	6.36E-09	7.47E-10	2.30E-09	3.05E-09
2002	437615.6	3762624	9.08E-09	3.10E-08	4.00E-08	1.41E-09	5.06E-09	6.47E-09	7.60E-10	2.35E-09	3.11E-09
2003	437624.1	3762628	9.21E-09	3.14E-08	4.06E-08	1.43E-09	5.13E-09	6.56E-09	7.71E-10	2.38E-09	3.15E-09
2004	437632.6	3762631	9.32E-09	3.18E-08	4.11E-08	1.45E-09	5.19E-09	6.64E-09	7.80E-10	2.41E-09	3.19E-09
2005	437644.6	3762643	1.02E-08	3.48E-08	4.50E-08	1.59E-09	5.69E-09	7.27E-09	8.54E-10	2.64E-09	3.49E-09
2006	437648.1	3762652	1.11E-08	3.78E-08	4.89E-08	1.72E-09	6.18E-09	7.90E-09	9.29E-10	2.87E-09	3.80E-09
2007	437651.6	3762660	1.21E-08	4.11E-08	5.32E-08	1.87E-09	6.72E-09	8.59E-09	1.01E-09	3.12E-09	4.12E-09
2008	437655.1	3762669	1.31E-08	4.47E-08	5.78E-08	2.04E-09	7.30E-09	9.34E-09	1.10E-09	3.39E-09	4.49E-09
2009	437665.6	3762694	1.67E-08	5.69E-08	7.36E-08	2.59E-09	9.30E-09	1.19E-08	1.40E-09	4.31E-09	5.71E-09

2010	437669.1	3762703	1.80E-08	6.13E-08	7.93E-08	2.79E-09	1.00E-08	1.28E-08	1.50E-09	4.65E-09	6.15E-09
2011	437672.6	3762711	1.93E-08	6.57E-08	8.50E-08	2.99E-09	1.07E-08	1.37E-08	1.61E-09	4.98E-09	6.59E-09
2012	437546.7	3762600	7.52E-09	2.56E-08	3.32E-08	1.17E-09	4.19E-09	5.36E-09	6.29E-10	1.94E-09	2.57E-09
2013	437537.4	3762600	7.53E-09	2.57E-08	3.32E-08	1.17E-09	4.19E-09	5.36E-09	6.30E-10	1.95E-09	2.58E-09
2014	437528	3762600	7.52E-09	2.56E-08	3.32E-08	1.17E-09	4.19E-09	5.36E-09	6.30E-10	1.94E-09	2.57E-09
2015	437518.6	3762600	7.49E-09	2.56E-08	3.30E-08	1.16E-09	4.17E-09	5.34E-09	6.27E-10	1.94E-09	2.56E-09
2016	437509.2	3762600	7.45E-09	2.54E-08	3.28E-08	1.16E-09	4.15E-09	5.31E-09	6.23E-10	1.92E-09	2.55E-09
2017	437499.8	3762600	7.38E-09	2.52E-08	3.26E-08	1.15E-09	4.11E-09	5.26E-09	6.18E-10	1.91E-09	2.53E-09
2018	437490.4	3762600	7.30E-09	2.49E-08	3.22E-08	1.13E-09	4.07E-09	5.20E-09	6.11E-10	1.89E-09	2.50E-09
2019	437481	3762600	7.20E-09	2.46E-08	3.18E-08	1.12E-09	4.01E-09	5.13E-09	6.03E-10	1.86E-09	2.46E-09
2020	437471.6	3762600	7.08E-09	2.41E-08	3.12E-08	1.10E-09	3.95E-09	5.05E-09	5.93E-10	1.83E-09	2.42E-09
2021	437462.2	3762600	6.95E-09	2.37E-08	3.06E-08	1.08E-09	3.87E-09	4.95E-09	5.82E-10	1.80E-09	2.38E-09
2022	437452.8	3762600	6.80E-09	2.32E-08	3.00E-08	1.06E-09	3.79E-09	4.84E-09	5.69E-10	1.76E-09	2.33E-09
2023	437443.4	3762600	6.64E-09	2.26E-08	2.93E-08	1.03E-09	3.70E-09	4.73E-09	5.56E-10	1.72E-09	2.27E-09
2024	437597.4	3762597	6.90E-09	2.35E-08	3.04E-08	1.07E-09	3.84E-09	4.92E-09	5.77E-10	1.78E-09	2.36E-09
2025	437613.9	3762604	7.20E-09	2.45E-08	3.17E-08	1.12E-09	4.01E-09	5.13E-09	6.02E-10	1.86E-09	2.46E-09
2026	437630.4	3762611	7.43E-09	2.53E-08	3.28E-08	1.15E-09	4.14E-09	5.29E-09	6.22E-10	1.92E-09	2.54E-09
2027	437647	3762617	7.59E-09	2.59E-08	3.35E-08	1.18E-09	4.23E-09	5.41E-09	6.35E-10	1.96E-09	2.60E-09
2028	437658.6	3762629	8.23E-09	2.81E-08	3.63E-08	1.28E-09	4.58E-09	5.86E-09	6.89E-10	2.13E-09	2.81E-09
2029	437665.4	3762646	9.54E-09	3.25E-08	4.21E-08	1.48E-09	5.31E-09	6.80E-09	7.98E-10	2.46E-09	3.26E-09
2030	437672.3	3762662	1.11E-08	3.77E-08	4.87E-08	1.72E-09	6.16E-09	7.87E-09	9.25E-10	2.86E-09	3.78E-09
2031	437679.1	3762679	1.28E-08	4.36E-08	5.63E-08	1.98E-09	7.12E-09	9.10E-09	1.07E-09	3.30E-09	4.37E-09
2032	437682.5	3762687	1.37E-08	4.67E-08	6.04E-08	2.13E-09	7.63E-09	9.76E-09	1.15E-09	3.54E-09	4.69E-09
2033	437689.3	3762703	1.56E-08	5.32E-08	6.88E-08	2.42E-09	8.69E-09	1.11E-08	1.31E-09	4.03E-09	5.34E-09
2034	437546.7	3762580	5.94E-09	2.03E-08	2.62E-08	9.23E-10	3.31E-09	4.23E-09	4.97E-10	1.54E-09	2.03E-09
2035	437537.4	3762580	5.94E-09	2.02E-08	2.62E-08	9.22E-10	3.31E-09	4.23E-09	4.97E-10	1.53E-09	2.03E-09
2036	437528	3762580	5.92E-09	2.02E-08	2.61E-08	9.19E-10	3.30E-09	4.21E-09	4.95E-10	1.53E-09	2.02E-09
2037	437518.6	3762580	5.88E-09	2.01E-08	2.59E-08	9.14E-10	3.28E-09	4.19E-09	4.92E-10	1.52E-09	2.01E-09
2038	437509.2	3762580	5.83E-09	1.99E-08	2.57E-08	9.07E-10	3.25E-09	4.16E-09	4.88E-10	1.51E-09	2.00E-09
2039	437499.8	3762580	5.78E-09	1.97E-08	2.55E-08	8.98E-10	3.22E-09	4.12E-09	4.84E-10	1.49E-09	1.98E-09
2040	437490.4	3762580	5.71E-09	1.95E-08	2.52E-08	8.87E-10	3.18E-09	4.07E-09	4.78E-10	1.47E-09	1.95E-09
2041	437481	3762580	5.63E-09	1.92E-08	2.48E-08	8.74E-10	3.13E-09	4.01E-09	4.71E-10	1.45E-09	1.92E-09
2042	437471.6	3762580	5.54E-09	1.89E-08	2.44E-08	8.60E-10	3.08E-09	3.94E-09	4.63E-10	1.43E-09	1.89E-09
2043	437462.2	3762580	5.44E-09	1.85E-08	2.40E-08	8.45E-10	3.03E-09	3.87E-09	4.55E-10	1.41E-09	1.86E-09
2044	437452.8	3762580	5.33E-09	1.82E-08	2.35E-08	8.28E-10	2.97E-09	3.80E-09	4.46E-10	1.38E-09	1.82E-09
2045	437443.4	3762580	5.22E-09	1.78E-08	2.30E-08	8.10E-10	2.91E-09	3.72E-09	4.37E-10	1.35E-09	1.78E-09
2046	437596.6	3762576	5.56E-09	1.90E-08	2.45E-08	8.64E-10	3.10E-09	3.96E-09	4.66E-10	1.44E-09	1.90E-09
2047	437612.7	3762583	5.81E-09	1.98E-08	2.56E-08	9.03E-10	3.24E-09	4.14E-09	4.87E-10	1.50E-09	1.99E-09
2048	437628.9	3762590	6.02E-09	2.05E-08	2.66E-08	9.36E-10	3.35E-09	4.29E-09	5.04E-10	1.56E-09	2.06E-09
2049	437645.1	3762597	6.18E-09	2.11E-08	2.73E-08	9.61E-10	3.44E-09	4.40E-09	5.17E-10	1.60E-09	2.11E-09
2050	437661.3	3762603	6.30E-09	2.15E-08	2.78E-08	9.79E-10	3.51E-09	4.49E-09	5.27E-10	1.63E-09	2.15E-09
2051	437672.7	3762615	6.77E-09	2.31E-08	2.99E-08	1.05E-09	3.77E-09	4.82E-09	5.67E-10	1.75E-09	2.32E-09
2052	437679.4	3762631	7.73E-09	2.64E-08	3.41E-08	1.20E-09	4.31E-09	5.51E-09	6.47E-10	2.00E-09	2.64E-09
2053	437686.1	3762647	8.83E-09	3.01E-08	3.89E-08	1.37E-09	4.92E-09	6.29E-09	7.39E-10	2.28E-09	3.02E-09
2054	437692.8	3762663	1.01E-08	3.43E-08	4.44E-08	1.56E-09	5.61E-09	7.17E-09	8.43E-10	2.60E-09	3.44E-09
2055	437699.4	3762679	1.14E-08	3.90E-08	5.05E-08	1.78E-09	6.38E-09	8.15E-09	9.58E-10	2.96E-09	3.92E-09
2056	437706.1	3762696	1.29E-08	4.40E-08	5.69E-08	2.00E-09	7.18E-09	9.19E-09	1.08E-09	3.33E-09	4.41E-09
2057	437546.7	3762560	4.80E-09	1.64E-08	2.12E-08	7.45E-10	2.67E-09	3.42E-09	4.01E-10	1.24E-09	1.64E-09
2058	437537.3	3762560	4.78E-09	1.63E-08	2.11E-08	7.43E-10	2.66E-09	3.41E-09	4.00E-10	1.24E-09	1.64E-09
2059	437528	3762560	4.76E-09	1.62E-08	2.10E-08	7.39E-10	2.65E-09	3.39E-09	3.98E-10	1.23E-09	1.63E-09
2060	437518.6	3762560	4.72E-09	1.61E-08	2.08E-08	7.34E-10	2.63E-09	3.37E-09	3.95E-10	1.22E-09	1.62E-09
2061	437509.2	3762560	4.68E-09	1.60E-08	2.06E-08	7.27E-10	2.61E-09	3.33E-09	3.92E-10	1.21E-09	1.60E-09
2062	437499.8	3762560	4.63E-09	1.58E-08	2.04E-08	7.20E-10	2.58E-09	3.30E-09	3.88E-10	1.20E-09	1.58E-09
2063	437490.4	3762560	4.57E-09	1.56E-08	2.02E-08	7.10E-10	2.55E-09	3.26E-09	3.83E-10	1.18E-09	1.56E-09
2064	437481	3762560	4.51E-09	1.54E-08	1.99E-08	7.00E-10	2.51E-09	3.21E-09	3.77E-10	1.16E-09	1.54E-09
2065	437471.6	3762560	4.44E-09	1.51E-08	1.96E-08	6.89E-10	2.47E-09	3.16E-09	3.71E-10	1.15E-09	1.52E-09
2066	437462.2	3762560	4.36E-09	1.49E-08	1.92E-08	6.78E-10	2.43E-09	3.11E-09	3.65E-10	1.13E-09	1.49E-09
2067	437452.8	3762560	4.28E-09	1.46E-08	1.89E-08	6.65E-10	2.38E-09	3.05E-09	3.58E-10	1.11E-09	1.46E-09
2068	437443.4	3762560	4.20E-09	1.43E-08	1.85E-08	6.52E-10	2.34E-09	2.99E-09	3.51E-10	1.08E-09	1.44E-09
2069	437598.6	3762557	4.60E-09	1.57E-08	2.03E-08	7.15E-10	2.56E-09	3.28E-09	3.85E-10	1.19E-09	1.57E-09
2070	437607.1	3762561	4.71E-09	1.61E-08	2.08E-08	7.32E-10	2.63E-09	3.36E-09	3.94E-10	1.22E-09	1.61E-09

2071	437615.6	3762564	4.82E-09	1.64E-08	2.12E-08	7.49E-10	2.68E-09	3.43E-09	4.03E-10	1.24E-09	1.65E-09
2072	437624.1	3762568	4.91E-09	1.68E-08	2.17E-08	7.64E-10	2.74E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
2073	437632.6	3762571	5.00E-09	1.71E-08	2.21E-08	7.77E-10	2.79E-09	3.56E-09	4.19E-10	1.29E-09	1.71E-09
2074	437641.1	3762575	5.08E-09	1.73E-08	2.24E-08	7.90E-10	2.83E-09	3.62E-09	4.25E-10	1.31E-09	1.74E-09
2075	437649.5	3762578	5.15E-09	1.76E-08	2.27E-08	8.00E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
2076	437658	3762582	5.21E-09	1.78E-08	2.30E-08	8.10E-10	2.90E-09	3.71E-09	4.36E-10	1.35E-09	1.78E-09
2077	437666.5	3762585	5.26E-09	1.79E-08	2.32E-08	8.18E-10	2.93E-09	3.75E-09	4.41E-10	1.36E-09	1.80E-09
2078	437675	3762589	5.31E-09	1.81E-08	2.34E-08	8.24E-10	2.96E-09	3.78E-09	4.44E-10	1.37E-09	1.81E-09
2079	437687	3762601	5.69E-09	1.94E-08	2.51E-08	8.84E-10	3.17E-09	4.05E-09	4.76E-10	1.47E-09	1.95E-09
2080	437690.5	3762610	6.07E-09	2.07E-08	2.68E-08	9.43E-10	3.38E-09	4.32E-09	5.08E-10	1.57E-09	2.08E-09
2081	437694	3762618	6.47E-09	2.21E-08	2.85E-08	1.01E-09	3.60E-09	4.61E-09	5.42E-10	1.67E-09	2.21E-09
2082	437697.5	3762627	6.90E-09	2.35E-08	3.04E-08	1.07E-09	3.84E-09	4.92E-09	5.78E-10	1.78E-09	2.36E-09
2083	437701.1	3762635	7.36E-09	2.51E-08	3.25E-08	1.14E-09	4.10E-09	5.24E-09	6.16E-10	1.90E-09	2.52E-09
2084	437704.6	3762644	7.85E-09	2.68E-08	3.46E-08	1.22E-09	4.37E-09	5.59E-09	6.57E-10	2.03E-09	2.69E-09
2085	437708.1	3762652	8.37E-09	2.85E-08	3.69E-08	1.30E-09	4.66E-09	5.96E-09	7.00E-10	2.16E-09	2.86E-09
2086	437711.6	3762661	8.91E-09	3.04E-08	3.93E-08	1.38E-09	4.97E-09	6.35E-09	7.46E-10	2.30E-09	3.05E-09
2087	437715.1	3762669	9.49E-09	3.24E-08	4.18E-08	1.47E-09	5.28E-09	6.76E-09	7.94E-10	2.45E-09	3.25E-09
2088	437718.6	3762678	1.01E-08	3.44E-08	4.44E-08	1.57E-09	5.61E-09	7.18E-09	8.44E-10	2.60E-09	3.45E-09
2089	437722.1	3762686	1.07E-08	3.64E-08	4.71E-08	1.66E-09	5.95E-09	7.61E-09	8.94E-10	2.76E-09	3.65E-09
2090	437725.6	3762694	1.13E-08	3.85E-08	4.98E-08	1.75E-09	6.29E-09	8.05E-09	9.45E-10	2.92E-09	3.86E-09
2091	437729.1	3762703	1.19E-08	4.06E-08	5.25E-08	1.85E-09	6.63E-09	8.48E-09	9.96E-10	3.08E-09	4.07E-09
2092	437732.6	3762711	1.25E-08	4.26E-08	5.52E-08	1.94E-09	6.97E-09	8.91E-09	1.05E-09	3.23E-09	4.28E-09
2093	437546.7	3762540	3.94E-09	1.34E-08	1.74E-08	6.12E-10	2.19E-09	2.81E-09	3.30E-10	1.02E-09	1.35E-09
2094	437537.3	3762540	3.92E-09	1.34E-08	1.73E-08	6.09E-10	2.18E-09	2.79E-09	3.28E-10	1.01E-09	1.34E-09
2095	437528	3762540	3.90E-09	1.33E-08	1.72E-08	6.06E-10	2.17E-09	2.78E-09	3.26E-10	1.01E-09	1.33E-09
2096	437518.6	3762540	3.87E-09	1.32E-08	1.70E-08	6.01E-10	2.15E-09	2.75E-09	3.24E-10	9.99E-10	1.32E-09
2097	437509.2	3762540	3.83E-09	1.31E-08	1.69E-08	5.95E-10	2.13E-09	2.73E-09	3.20E-10	9.89E-10	1.31E-09
2098	437499.8	3762540	3.79E-09	1.29E-08	1.67E-08	5.88E-10	2.11E-09	2.70E-09	3.17E-10	9.78E-10	1.30E-09
2099	437490.4	3762540	3.74E-09	1.27E-08	1.65E-08	5.81E-10	2.08E-09	2.66E-09	3.13E-10	9.66E-10	1.28E-09
2100	437481	3762540	3.69E-09	1.26E-08	1.63E-08	5.73E-10	2.05E-09	2.63E-09	3.09E-10	9.53E-10	1.26E-09
2101	437471.6	3762540	3.63E-09	1.24E-08	1.60E-08	5.64E-10	2.02E-09	2.59E-09	3.04E-10	9.38E-10	1.24E-09
2102	437462.2	3762540	3.57E-09	1.22E-08	1.57E-08	5.55E-10	1.99E-09	2.54E-09	2.99E-10	9.23E-10	1.22E-09
2103	437452.8	3762540	3.51E-09	1.20E-08	1.55E-08	5.45E-10	1.95E-09	2.50E-09	2.94E-10	9.06E-10	1.20E-09
2104	437443.4	3762540	3.44E-09	1.17E-08	1.52E-08	5.35E-10	1.92E-09	2.45E-09	2.88E-10	8.90E-10	1.18E-09
2105	437631.1	3762551	4.17E-09	1.42E-08	1.84E-08	6.48E-10	2.32E-09	2.97E-09	3.49E-10	1.08E-09	1.43E-09
2106	437639.4	3762554	4.24E-09	1.45E-08	1.87E-08	6.59E-10	2.36E-09	3.02E-09	3.55E-10	1.10E-09	1.45E-09
2107	437647.7	3762558	4.31E-09	1.47E-08	1.90E-08	6.69E-10	2.40E-09	3.07E-09	3.60E-10	1.11E-09	1.47E-09
2108	437656	3762561	4.36E-09	1.49E-08	1.92E-08	6.78E-10	2.43E-09	3.11E-09	3.65E-10	1.13E-09	1.49E-09
2109	437672.7	3762568	4.46E-09	1.52E-08	1.97E-08	6.93E-10	2.48E-09	3.18E-09	3.73E-10	1.15E-09	1.53E-09
2110	437681	3762571	4.50E-09	1.53E-08	1.98E-08	6.99E-10	2.50E-09	3.20E-09	3.76E-10	1.16E-09	1.54E-09
2111	437689.3	3762575	4.53E-09	1.54E-08	2.00E-08	7.04E-10	2.52E-09	3.23E-09	3.79E-10	1.17E-09	1.55E-09
2112	437701.1	3762587	4.82E-09	1.65E-08	2.13E-08	7.50E-10	2.69E-09	3.44E-09	4.04E-10	1.25E-09	1.65E-09
2113	437708	3762603	5.42E-09	1.85E-08	2.39E-08	8.43E-10	3.02E-09	3.86E-09	4.54E-10	1.40E-09	1.86E-09
2114	437714.9	3762620	6.10E-09	2.08E-08	2.69E-08	9.48E-10	3.40E-09	4.35E-09	5.11E-10	1.58E-09	2.09E-09
2115	437718.3	3762628	6.47E-09	2.21E-08	2.85E-08	1.01E-09	3.60E-09	4.61E-09	5.42E-10	1.67E-09	2.21E-09
2116	437725.2	3762645	7.27E-09	2.48E-08	3.21E-08	1.13E-09	4.05E-09	5.18E-09	6.09E-10	1.88E-09	2.49E-09
2117	437732.1	3762662	8.15E-09	2.78E-08	3.60E-08	1.27E-09	4.54E-09	5.81E-09	6.83E-10	2.11E-09	2.79E-09
2118	437738.9	3762678	9.10E-09	3.10E-08	4.01E-08	1.41E-09	5.07E-09	6.48E-09	7.61E-10	2.35E-09	3.11E-09
2119	437742.4	3762687	9.58E-09	3.27E-08	4.22E-08	1.49E-09	5.34E-09	6.83E-09	8.02E-10	2.48E-09	3.28E-09
2120	437749.3	3762703	1.06E-08	3.60E-08	4.65E-08	1.64E-09	5.88E-09	7.52E-09	8.83E-10	2.73E-09	3.61E-09
2121	437546.7	3762520	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.34E-09	2.75E-10	8.49E-10	1.12E-09
2122	437537.3	3762520	3.27E-09	1.11E-08	1.44E-08	5.08E-10	1.82E-09	2.33E-09	2.73E-10	8.44E-10	1.12E-09
2123	437528	3762520	3.24E-09	1.11E-08	1.43E-08	5.04E-10	1.81E-09	2.31E-09	2.71E-10	8.38E-10	1.11E-09
2124	437518.6	3762520	3.21E-09	1.10E-08	1.42E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.31E-10	1.10E-09
2125	437509.2	3762520	3.18E-09	1.09E-08	1.40E-08	4.94E-10	1.77E-09	2.27E-09	2.66E-10	8.22E-10	1.09E-09
2126	437499.8	3762520	3.15E-09	1.07E-08	1.39E-08	4.89E-10	1.75E-09	2.24E-09	2.63E-10	8.13E-10	1.08E-09
2127	437490.4	3762520	3.11E-09	1.06E-08	1.37E-08	4.83E-10	1.73E-09	2.21E-09	2.60E-10	8.03E-10	1.06E-09
2128	437481	3762520	3.07E-09	1.05E-08	1.35E-08	4.76E-10	1.71E-09	2.18E-09	2.57E-10	7.92E-10	1.05E-09
2129	437471.6	3762520	3.02E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.53E-10	7.81E-10	1.03E-09
2130	437462.2	3762520	2.97E-09	1.01E-08	1.31E-08	4.62E-10	1.66E-09	2.12E-09	2.49E-10	7.69E-10	1.02E-09
2131	437452.8	3762520	2.93E-09	9.98E-09	1.29E-08	4.55E-10	1.63E-09	2.08E-09	2.45E-10	7.56E-10	1.00E-09

2132	437443.4	3762520	2.88E-09	9.81E-09	1.27E-08	4.47E-10	1.60E-09	2.05E-09	2.41E-10	7.43E-10	9.84E-10
2133	437625.3	3762528	3.48E-09	1.19E-08	1.53E-08	5.41E-10	1.94E-09	2.48E-09	2.91E-10	8.99E-10	1.19E-09
2134	437634	3762532	3.55E-09	1.21E-08	1.56E-08	5.51E-10	1.98E-09	2.53E-09	2.97E-10	9.17E-10	1.21E-09
2135	437642.6	3762536	3.61E-09	1.23E-08	1.59E-08	5.61E-10	2.01E-09	2.57E-09	3.02E-10	9.34E-10	1.24E-09
2136	437651.3	3762539	3.67E-09	1.25E-08	1.62E-08	5.71E-10	2.05E-09	2.62E-09	3.07E-10	9.49E-10	1.26E-09
2137	437659.9	3762543	3.73E-09	1.27E-08	1.64E-08	5.79E-10	2.08E-09	2.65E-09	3.12E-10	9.63E-10	1.27E-09
2138	437668.6	3762546	3.77E-09	1.29E-08	1.66E-08	5.86E-10	2.10E-09	2.69E-09	3.16E-10	9.75E-10	1.29E-09
2139	437677.2	3762550	3.81E-09	1.30E-08	1.68E-08	5.93E-10	2.13E-09	2.72E-09	3.19E-10	9.86E-10	1.31E-09
2140	437685.9	3762554	3.85E-09	1.31E-08	1.70E-08	5.98E-10	2.15E-09	2.74E-09	3.22E-10	9.95E-10	1.32E-09
2141	437694.5	3762557	3.88E-09	1.32E-08	1.71E-08	6.03E-10	2.16E-09	2.77E-09	3.25E-10	1.00E-09	1.33E-09
2142	437703.2	3762561	3.91E-09	1.33E-08	1.72E-08	6.07E-10	2.18E-09	2.78E-09	3.27E-10	1.01E-09	1.34E-09
2143	437715.4	3762573	4.15E-09	1.42E-08	1.83E-08	6.45E-10	2.31E-09	2.96E-09	3.47E-10	1.07E-09	1.42E-09
2144	437719	3762582	4.39E-09	1.50E-08	1.94E-08	6.82E-10	2.45E-09	3.13E-09	3.68E-10	1.13E-09	1.50E-09
2145	437722.5	3762590	4.65E-09	1.59E-08	2.05E-08	7.22E-10	2.59E-09	3.31E-09	3.89E-10	1.20E-09	1.59E-09
2146	437726.1	3762599	4.92E-09	1.68E-08	2.17E-08	7.65E-10	2.74E-09	3.51E-09	4.12E-10	1.27E-09	1.68E-09
2147	437729.7	3762608	5.21E-09	1.78E-08	2.30E-08	8.10E-10	2.90E-09	3.71E-09	4.36E-10	1.35E-09	1.78E-09
2148	437733.3	3762616	5.52E-09	1.88E-08	2.43E-08	8.57E-10	3.07E-09	3.93E-09	4.62E-10	1.43E-09	1.89E-09
2149	437736.8	3762625	5.84E-09	1.99E-08	2.58E-08	9.08E-10	3.25E-09	4.16E-09	4.89E-10	1.51E-09	2.00E-09
2150	437740.4	3762634	6.19E-09	2.11E-08	2.73E-08	9.61E-10	3.45E-09	4.41E-09	5.18E-10	1.60E-09	2.12E-09
2151	437744	3762642	6.54E-09	2.23E-08	2.89E-08	1.02E-09	3.65E-09	4.66E-09	5.48E-10	1.69E-09	2.24E-09
2152	437747.6	3762651	6.92E-09	2.36E-08	3.05E-08	1.08E-09	3.85E-09	4.93E-09	5.79E-10	1.79E-09	2.37E-09
2153	437751.1	3762659	7.31E-09	2.49E-08	3.22E-08	1.14E-09	4.07E-09	5.21E-09	6.12E-10	1.89E-09	2.50E-09
2154	437754.7	3762668	7.71E-09	2.63E-08	3.40E-08	1.20E-09	4.29E-09	5.49E-09	6.45E-10	1.99E-09	2.64E-09
2155	437758.3	3762677	8.12E-09	2.77E-08	3.58E-08	1.26E-09	4.52E-09	5.79E-09	6.80E-10	2.10E-09	2.78E-09
2156	437761.8	3762685	8.54E-09	2.91E-08	3.76E-08	1.33E-09	4.75E-09	6.08E-09	7.14E-10	2.21E-09	2.92E-09
2157	437765.4	3762694	8.95E-09	3.05E-08	3.95E-08	1.39E-09	4.99E-09	6.38E-09	7.49E-10	2.31E-09	3.06E-09
2158	437546.7	3762500	2.78E-09	9.47E-09	1.22E-08	4.31E-10	1.55E-09	1.98E-09	2.32E-10	7.17E-10	9.50E-10
2159	437537.3	3762500	2.76E-09	9.40E-09	1.22E-08	4.28E-10	1.54E-09	1.96E-09	2.31E-10	7.12E-10	9.43E-10
2160	437528	3762500	2.73E-09	9.32E-09	1.21E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.07E-10	9.35E-10
2161	437518.6	3762500	2.71E-09	9.24E-09	1.19E-08	4.21E-10	1.51E-09	1.93E-09	2.27E-10	7.00E-10	9.27E-10
2162	437509.2	3762500	2.68E-09	9.14E-09	1.18E-08	4.17E-10	1.49E-09	1.91E-09	2.24E-10	6.93E-10	9.17E-10
2163	437499.8	3762500	2.65E-09	9.04E-09	1.17E-08	4.12E-10	1.48E-09	1.89E-09	2.22E-10	6.85E-10	9.07E-10
2164	437490.4	3762500	2.62E-09	8.93E-09	1.15E-08	4.07E-10	1.46E-09	1.86E-09	2.19E-10	6.76E-10	8.95E-10
2165	437481	3762500	2.58E-09	8.81E-09	1.14E-08	4.01E-10	1.44E-09	1.84E-09	2.16E-10	6.68E-10	8.84E-10
2166	437471.6	3762500	2.55E-09	8.69E-09	1.12E-08	3.96E-10	1.42E-09	1.82E-09	2.13E-10	6.58E-10	8.72E-10
2167	437462.2	3762500	2.51E-09	8.56E-09	1.11E-08	3.90E-10	1.40E-09	1.79E-09	2.10E-10	6.49E-10	8.59E-10
2168	437452.8	3762500	2.47E-09	8.43E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.39E-10	8.46E-10
2169	437443.4	3762500	2.43E-09	8.30E-09	1.07E-08	3.78E-10	1.36E-09	1.73E-09	2.04E-10	6.29E-10	8.33E-10
2170	437590.1	3762494	2.69E-09	9.16E-09	1.19E-08	4.18E-10	1.50E-09	1.91E-09	2.25E-10	6.94E-10	9.19E-10
2171	437598.6	3762497	2.76E-09	9.41E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.13E-10	9.44E-10
2172	437607.1	3762501	2.83E-09	9.65E-09	1.25E-08	4.40E-10	1.58E-09	2.02E-09	2.37E-10	7.31E-10	9.68E-10
2173	437615.6	3762504	2.90E-09	9.88E-09	1.28E-08	4.50E-10	1.61E-09	2.06E-09	2.42E-10	7.49E-10	9.91E-10
2174	437624.1	3762508	2.96E-09	1.01E-08	1.31E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.65E-10	1.01E-09
2175	437632.6	3762511	3.02E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.53E-10	7.81E-10	1.03E-09
2176	437641	3762515	3.08E-09	1.05E-08	1.36E-08	4.78E-10	1.72E-09	2.19E-09	2.58E-10	7.95E-10	1.05E-09
2177	437649.5	3762518	3.13E-09	1.07E-08	1.38E-08	4.87E-10	1.74E-09	2.23E-09	2.62E-10	8.09E-10	1.07E-09
2178	437658	3762522	3.18E-09	1.08E-08	1.40E-08	4.94E-10	1.77E-09	2.27E-09	2.66E-10	8.22E-10	1.09E-09
2179	437666.5	3762525	3.23E-09	1.10E-08	1.42E-08	5.01E-10	1.80E-09	2.30E-09	2.70E-10	8.34E-10	1.10E-09
2180	437675	3762529	3.27E-09	1.11E-08	1.44E-08	5.08E-10	1.82E-09	2.33E-09	2.73E-10	8.44E-10	1.12E-09
2181	437683.5	3762533	3.30E-09	1.13E-08	1.46E-08	5.13E-10	1.84E-09	2.35E-09	2.76E-10	8.54E-10	1.13E-09
2182	437692	3762536	3.34E-09	1.14E-08	1.47E-08	5.18E-10	1.86E-09	2.38E-09	2.79E-10	8.62E-10	1.14E-09
2183	437700.5	3762540	3.36E-09	1.15E-08	1.48E-08	5.22E-10	1.87E-09	2.40E-09	2.81E-10	8.69E-10	1.15E-09
2184	437709	3762543	3.39E-09	1.15E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.83E-10	8.75E-10	1.16E-09
2185	437717.5	3762547	3.40E-09	1.16E-08	1.50E-08	5.29E-10	1.90E-09	2.43E-09	2.85E-10	8.80E-10	1.16E-09
2186	437729.5	3762559	3.60E-09	1.23E-08	1.59E-08	5.59E-10	2.00E-09	2.56E-09	3.01E-10	9.30E-10	1.23E-09
2187	437736.5	3762576	3.99E-09	1.36E-08	1.76E-08	6.20E-10	2.22E-09	2.84E-09	3.34E-10	1.03E-09	1.36E-09
2188	437740	3762584	4.20E-09	1.43E-08	1.85E-08	6.53E-10	2.34E-09	2.99E-09	3.52E-10	1.09E-09	1.44E-09
2189	437743.5	3762593	4.43E-09	1.51E-08	1.95E-08	6.88E-10	2.47E-09	3.16E-09	3.71E-10	1.14E-09	1.52E-09
2190	437747	3762601	4.67E-09	1.59E-08	2.06E-08	7.25E-10	2.60E-09	3.33E-09	3.91E-10	1.21E-09	1.60E-09
2191	437750.5	3762610	4.92E-09	1.68E-08	2.17E-08	7.65E-10	2.74E-09	3.51E-09	4.12E-10	1.27E-09	1.68E-09
2192	437754	3762618	5.19E-09	1.77E-08	2.29E-08	8.06E-10	2.89E-09	3.70E-09	4.34E-10	1.34E-09	1.78E-09

2193	437757.5	3762627	5.47E-09	1.87E-08	2.41E-08	8.50E-10	3.05E-09	3.90E-09	4.58E-10	1.41E-09	1.87E-09
2194	437761.1	3762635	5.76E-09	1.97E-08	2.54E-08	8.96E-10	3.21E-09	4.11E-09	4.82E-10	1.49E-09	1.97E-09
2195	437764.6	3762644	6.07E-09	2.07E-08	2.68E-08	9.43E-10	3.38E-09	4.32E-09	5.08E-10	1.57E-09	2.08E-09
2196	437768.1	3762652	6.38E-09	2.18E-08	2.82E-08	9.92E-10	3.56E-09	4.55E-09	5.34E-10	1.65E-09	2.18E-09
2197	437771.6	3762661	6.71E-09	2.29E-08	2.96E-08	1.04E-09	3.74E-09	4.78E-09	5.62E-10	1.73E-09	2.30E-09
2198	437775.1	3762669	7.04E-09	2.40E-08	3.11E-08	1.09E-09	3.92E-09	5.02E-09	5.90E-10	1.82E-09	2.41E-09
2199	437778.6	3762678	7.38E-09	2.52E-08	3.26E-08	1.15E-09	4.11E-09	5.26E-09	6.18E-10	1.91E-09	2.53E-09
2200	437546.7	3762480	2.37E-09	8.09E-09	1.05E-08	3.69E-10	1.32E-09	1.69E-09	1.99E-10	6.13E-10	8.11E-10
2201	437537.3	3762480	2.35E-09	8.03E-09	1.04E-08	3.66E-10	1.31E-09	1.68E-09	1.97E-10	6.08E-10	8.05E-10
2202	437528	3762480	2.33E-09	7.96E-09	1.03E-08	3.63E-10	1.30E-09	1.66E-09	1.95E-10	6.03E-10	7.98E-10
2203	437518.6	3762480	2.31E-09	7.88E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.93E-10	5.97E-10	7.90E-10
2204	437509.2	3762480	2.29E-09	7.80E-09	1.01E-08	3.55E-10	1.27E-09	1.63E-09	1.91E-10	5.91E-10	7.82E-10
2205	437499.8	3762480	2.26E-09	7.71E-09	9.97E-09	3.51E-10	1.26E-09	1.61E-09	1.89E-10	5.84E-10	7.73E-10
2206	437490.4	3762480	2.23E-09	7.61E-09	9.85E-09	3.47E-10	1.24E-09	1.59E-09	1.87E-10	5.77E-10	7.64E-10
2207	437481	3762480	2.20E-09	7.52E-09	9.72E-09	3.42E-10	1.23E-09	1.57E-09	1.84E-10	5.69E-10	7.54E-10
2208	437471.6	3762480	2.17E-09	7.42E-09	9.59E-09	3.38E-10	1.21E-09	1.55E-09	1.82E-10	5.62E-10	7.44E-10
2209	437462.2	3762480	2.14E-09	7.31E-09	9.46E-09	3.33E-10	1.19E-09	1.53E-09	1.80E-10	5.54E-10	7.34E-10
2210	437452.8	3762480	2.11E-09	7.21E-09	9.32E-09	3.28E-10	1.18E-09	1.51E-09	1.77E-10	5.46E-10	7.23E-10
2211	437443.4	3762480	2.08E-09	7.10E-09	9.19E-09	3.24E-10	1.16E-09	1.48E-09	1.74E-10	5.38E-10	7.13E-10
2212	437589.6	3762474	2.31E-09	7.88E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.93E-10	5.97E-10	7.91E-10
2213	437597.9	3762477	2.37E-09	8.09E-09	1.05E-08	3.69E-10	1.32E-09	1.69E-09	1.99E-10	6.13E-10	8.11E-10
2214	437606.3	3762481	2.43E-09	8.29E-09	1.07E-08	3.78E-10	1.35E-09	1.73E-09	2.03E-10	6.28E-10	8.32E-10
2215	437614.7	3762484	2.49E-09	8.49E-09	1.10E-08	3.87E-10	1.39E-09	1.77E-09	2.08E-10	6.43E-10	8.51E-10
2216	437623	3762487	2.54E-09	8.68E-09	1.12E-08	3.95E-10	1.42E-09	1.81E-09	2.13E-10	6.58E-10	8.71E-10
2217	437631.4	3762491	2.60E-09	8.86E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.17E-10	6.71E-10	8.89E-10
2218	437639.8	3762494	2.65E-09	9.03E-09	1.17E-08	4.11E-10	1.48E-09	1.89E-09	2.22E-10	6.84E-10	9.06E-10
2219	437656.5	3762501	2.74E-09	9.34E-09	1.21E-08	4.26E-10	1.53E-09	1.95E-09	2.29E-10	7.08E-10	9.37E-10
2220	437664.8	3762505	2.78E-09	9.48E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.19E-10	9.52E-10
2221	437673.2	3762508	2.82E-09	9.62E-09	1.24E-08	4.38E-10	1.57E-09	2.01E-09	2.36E-10	7.29E-10	9.65E-10
2222	437681.6	3762512	2.85E-09	9.73E-09	1.26E-08	4.44E-10	1.59E-09	2.03E-09	2.39E-10	7.38E-10	9.77E-10
2223	437689.9	3762515	2.89E-09	9.84E-09	1.27E-08	4.48E-10	1.61E-09	2.06E-09	2.42E-10	7.46E-10	9.87E-10
2224	437698.3	3762519	2.91E-09	9.94E-09	1.29E-08	4.53E-10	1.62E-09	2.08E-09	2.44E-10	7.53E-10	9.97E-10
2225	437706.7	3762522	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.01E-09
2226	437723.4	3762529	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.49E-10	7.69E-10	1.02E-09
2227	437731.8	3762533	2.99E-09	1.02E-08	1.32E-08	4.65E-10	1.67E-09	2.13E-09	2.50E-10	7.73E-10	1.02E-09
2228	437743.6	3762544	3.15E-09	1.07E-08	1.39E-08	4.89E-10	1.75E-09	2.24E-09	2.64E-10	8.14E-10	1.08E-09
2229	437747	3762553	3.30E-09	1.13E-08	1.46E-08	5.13E-10	1.84E-09	2.35E-09	2.76E-10	8.53E-10	1.13E-09
2230	437753.9	3762569	3.63E-09	1.24E-08	1.60E-08	5.64E-10	2.02E-09	2.59E-09	3.04E-10	9.38E-10	1.24E-09
2231	437760.9	3762586	4.00E-09	1.36E-08	1.76E-08	6.21E-10	2.23E-09	2.85E-09	3.35E-10	1.03E-09	1.37E-09
2232	437767.8	3762603	4.41E-09	1.50E-08	1.94E-08	6.85E-10	2.46E-09	3.14E-09	3.69E-10	1.14E-09	1.51E-09
2233	437774.7	3762620	4.87E-09	1.66E-08	2.15E-08	7.56E-10	2.71E-09	3.47E-09	4.07E-10	1.26E-09	1.66E-09
2234	437781.6	3762636	5.36E-09	1.83E-08	2.36E-08	8.33E-10	2.99E-09	3.82E-09	4.49E-10	1.38E-09	1.83E-09
2235	437788.5	3762653	5.89E-09	2.01E-08	2.60E-08	9.15E-10	3.28E-09	4.20E-09	4.93E-10	1.52E-09	2.01E-09
2236	437795.4	3762670	6.45E-09	2.20E-08	2.84E-08	1.00E-09	3.59E-09	4.59E-09	5.40E-10	1.67E-09	2.21E-09
2237	437802.3	3762687	7.02E-09	2.39E-08	3.09E-08	1.09E-09	3.91E-09	5.00E-09	5.87E-10	1.81E-09	2.40E-09
2238	437809.2	3762703	7.58E-09	2.58E-08	3.34E-08	1.18E-09	4.22E-09	5.40E-09	6.34E-10	1.96E-09	2.59E-09
2239	437546.7	3762460	2.05E-09	6.98E-09	9.03E-09	3.18E-10	1.14E-09	1.46E-09	1.71E-10	5.29E-10	7.00E-10
2240	437537.3	3762460	2.03E-09	6.92E-09	8.95E-09	3.15E-10	1.13E-09	1.45E-09	1.70E-10	5.25E-10	6.94E-10
2241	437527.9	3762460	2.01E-09	6.86E-09	8.87E-09	3.13E-10	1.12E-09	1.43E-09	1.68E-10	5.20E-10	6.88E-10
2242	437518.6	3762460	1.99E-09	6.79E-09	8.78E-09	3.09E-10	1.11E-09	1.42E-09	1.67E-10	5.15E-10	6.81E-10
2243	437509.2	3762460	1.97E-09	6.72E-09	8.69E-09	3.06E-10	1.10E-09	1.40E-09	1.65E-10	5.09E-10	6.74E-10
2244	437499.8	3762460	1.95E-09	6.64E-09	8.59E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.03E-10	6.66E-10
2245	437490.4	3762460	1.92E-09	6.56E-09	8.49E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.97E-10	6.58E-10
2246	437481	3762460	1.90E-09	6.48E-09	8.38E-09	2.95E-10	1.06E-09	1.35E-09	1.59E-10	4.91E-10	6.50E-10
2247	437471.6	3762460	1.88E-09	6.40E-09	8.27E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.85E-10	6.42E-10
2248	437462.2	3762460	1.85E-09	6.31E-09	8.16E-09	2.88E-10	1.03E-09	1.32E-09	1.55E-10	4.78E-10	6.33E-10
2249	437452.8	3762460	1.83E-09	6.23E-09	8.05E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.72E-10	6.25E-10
2250	437443.4	3762460	1.80E-09	6.14E-09	7.94E-09	2.80E-10	1.00E-09	1.28E-09	1.51E-10	4.65E-10	6.16E-10
2251	437582	3762450	1.96E-09	6.68E-09	8.65E-09	3.05E-10	1.09E-09	1.40E-09	1.64E-10	5.07E-10	6.71E-10
2252	437590.6	3762454	2.01E-09	6.87E-09	8.89E-09	3.13E-10	1.12E-09	1.44E-09	1.69E-10	5.21E-10	6.89E-10
2253	437599.2	3762458	2.07E-09	7.05E-09	9.12E-09	3.21E-10	1.15E-09	1.47E-09	1.73E-10	5.34E-10	7.08E-10

2254	437607.8	3762461	2.12E-09	7.23E-09	9.35E-09	3.30E-10	1.18E-09	1.51E-09	1.78E-10	5.48E-10	7.26E-10
2255	437616.4	3762465	2.17E-09	7.41E-09	9.58E-09	3.38E-10	1.21E-09	1.55E-09	1.82E-10	5.61E-10	7.43E-10
2256	437625	3762468	2.22E-09	7.58E-09	9.80E-09	3.45E-10	1.24E-09	1.58E-09	1.86E-10	5.74E-10	7.60E-10
2257	437633.7	3762472	2.27E-09	7.74E-09	1.00E-08	3.53E-10	1.26E-09	1.62E-09	1.90E-10	5.86E-10	7.76E-10
2258	437642.3	3762475	2.32E-09	7.90E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.92E-10
2259	437650.9	3762479	2.36E-09	8.04E-09	1.04E-08	3.66E-10	1.31E-09	1.68E-09	1.97E-10	6.09E-10	8.07E-10
2260	437659.5	3762483	2.40E-09	8.18E-09	1.06E-08	3.73E-10	1.34E-09	1.71E-09	2.01E-10	6.20E-10	8.21E-10
2261	437668.1	3762486	2.44E-09	8.31E-09	1.07E-08	3.79E-10	1.36E-09	1.74E-09	2.04E-10	6.30E-10	8.34E-10
2262	437676.7	3762490	2.47E-09	8.43E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.39E-10	8.46E-10
2263	437685.3	3762493	2.51E-09	8.54E-09	1.10E-08	3.89E-10	1.40E-09	1.78E-09	2.10E-10	6.47E-10	8.57E-10
2264	437694	3762497	2.53E-09	8.64E-09	1.12E-08	3.94E-10	1.41E-09	1.81E-09	2.12E-10	6.55E-10	8.67E-10
2265	437702.6	3762500	2.56E-09	8.73E-09	1.13E-08	3.98E-10	1.43E-09	1.82E-09	2.14E-10	6.62E-10	8.76E-10
2266	437711.2	3762504	2.58E-09	8.81E-09	1.14E-08	4.02E-10	1.44E-09	1.84E-09	2.16E-10	6.68E-10	8.84E-10
2267	437719.8	3762508	2.61E-09	8.88E-09	1.15E-08	4.05E-10	1.45E-09	1.86E-09	2.18E-10	6.73E-10	8.91E-10
2268	437728.4	3762511	2.62E-09	8.94E-09	1.16E-08	4.07E-10	1.46E-09	1.87E-09	2.20E-10	6.78E-10	8.97E-10
2269	437737	3762515	2.64E-09	8.99E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.81E-10	9.02E-10
2270	437745.7	3762518	2.65E-09	9.04E-09	1.17E-08	4.12E-10	1.48E-09	1.89E-09	2.22E-10	6.85E-10	9.06E-10
2271	437757.8	3762530	2.78E-09	9.49E-09	1.23E-08	4.33E-10	1.55E-09	1.98E-09	2.33E-10	7.19E-10	9.52E-10
2272	437761.4	3762539	2.92E-09	9.94E-09	1.29E-08	4.53E-10	1.62E-09	2.08E-09	2.44E-10	7.53E-10	9.97E-10
2273	437764.9	3762548	3.05E-09	1.04E-08	1.35E-08	4.74E-10	1.70E-09	2.17E-09	2.56E-10	7.89E-10	1.04E-09
2274	437768.5	3762556	3.20E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.26E-10	1.09E-09
2275	437772.1	3762565	3.35E-09	1.14E-08	1.48E-08	5.20E-10	1.87E-09	2.39E-09	2.80E-10	8.65E-10	1.15E-09
2276	437775.6	3762574	3.51E-09	1.20E-08	1.55E-08	5.45E-10	1.96E-09	2.50E-09	2.94E-10	9.07E-10	1.20E-09
2277	437779.2	3762582	3.68E-09	1.25E-08	1.62E-08	5.72E-10	2.05E-09	2.62E-09	3.08E-10	9.51E-10	1.26E-09
2278	437782.7	3762591	3.86E-09	1.32E-08	1.70E-08	6.00E-10	2.15E-09	2.75E-09	3.23E-10	9.97E-10	1.32E-09
2279	437786.3	3762599	4.05E-09	1.38E-08	1.78E-08	6.29E-10	2.25E-09	2.88E-09	3.39E-10	1.05E-09	1.38E-09
2280	437789.9	3762608	4.24E-09	1.45E-08	1.87E-08	6.59E-10	2.36E-09	3.02E-09	3.55E-10	1.10E-09	1.45E-09
2281	437793.4	3762617	4.45E-09	1.52E-08	1.96E-08	6.91E-10	2.48E-09	3.17E-09	3.72E-10	1.15E-09	1.52E-09
2282	437797	3762625	4.66E-09	1.59E-08	2.06E-08	7.25E-10	2.60E-09	3.32E-09	3.90E-10	1.20E-09	1.60E-09
2283	437800.5	3762634	4.89E-09	1.67E-08	2.15E-08	7.59E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
2284	437804.1	3762643	5.12E-09	1.75E-08	2.26E-08	7.95E-10	2.85E-09	3.65E-09	4.28E-10	1.32E-09	1.75E-09
2285	437807.7	3762651	5.36E-09	1.83E-08	2.36E-08	8.32E-10	2.98E-09	3.82E-09	4.48E-10	1.38E-09	1.83E-09
2286	437811.2	3762660	5.60E-09	1.91E-08	2.47E-08	8.70E-10	3.12E-09	3.99E-09	4.69E-10	1.45E-09	1.92E-09
2287	437814.8	3762668	5.85E-09	1.99E-08	2.58E-08	9.09E-10	3.26E-09	4.17E-09	4.90E-10	1.51E-09	2.00E-09
2288	437818.3	3762677	6.10E-09	2.08E-08	2.69E-08	9.48E-10	3.40E-09	4.35E-09	5.11E-10	1.58E-09	2.09E-09
2289	437821.9	3762686	6.35E-09	2.17E-08	2.80E-08	9.87E-10	3.54E-09	4.53E-09	5.32E-10	1.64E-09	2.17E-09
2290	437825.5	3762694	6.60E-09	2.25E-08	2.91E-08	1.03E-09	3.68E-09	4.70E-09	5.52E-10	1.71E-09	2.26E-09
2291	437829	3762703	6.84E-09	2.33E-08	3.02E-08	1.06E-09	3.81E-09	4.88E-09	5.73E-10	1.77E-09	2.34E-09
2292	437832.6	3762712	7.08E-09	2.41E-08	3.12E-08	1.10E-09	3.94E-09	5.04E-09	5.93E-10	1.83E-09	2.42E-09
2293	437546.7	3762440	1.78E-09	6.08E-09	7.86E-09	2.77E-10	9.93E-10	1.27E-09	1.49E-10	4.60E-10	6.10E-10
2294	437537.3	3762440	1.77E-09	6.02E-09	7.79E-09	2.75E-10	9.84E-10	1.26E-09	1.48E-10	4.57E-10	6.04E-10
2295	437527.9	3762440	1.75E-09	5.97E-09	7.72E-09	2.72E-10	9.75E-10	1.25E-09	1.46E-10	4.52E-10	5.99E-10
2296	437518.6	3762440	1.73E-09	5.91E-09	7.64E-09	2.69E-10	9.65E-10	1.23E-09	1.45E-10	4.48E-10	5.93E-10
2297	437509.2	3762440	1.71E-09	5.85E-09	7.56E-09	2.66E-10	9.55E-10	1.22E-09	1.43E-10	4.43E-10	5.86E-10
2298	437499.8	3762440	1.69E-09	5.78E-09	7.47E-09	2.63E-10	9.44E-10	1.21E-09	1.42E-10	4.38E-10	5.80E-10
2299	437490.4	3762440	1.67E-09	5.71E-09	7.39E-09	2.60E-10	9.33E-10	1.19E-09	1.40E-10	4.33E-10	5.73E-10
2300	437481	3762440	1.65E-09	5.64E-09	7.30E-09	2.57E-10	9.22E-10	1.18E-09	1.38E-10	4.28E-10	5.66E-10
2301	437471.6	3762440	1.63E-09	5.57E-09	7.21E-09	2.54E-10	9.10E-10	1.16E-09	1.37E-10	4.22E-10	5.59E-10
2302	437462.2	3762440	1.61E-09	5.50E-09	7.11E-09	2.51E-10	8.99E-10	1.15E-09	1.35E-10	4.17E-10	5.52E-10
2303	437452.8	3762440	1.59E-09	5.43E-09	7.02E-09	2.47E-10	8.87E-10	1.13E-09	1.33E-10	4.11E-10	5.45E-10
2304	437443.4	3762440	1.57E-09	5.36E-09	6.93E-09	2.44E-10	8.76E-10	1.12E-09	1.32E-10	4.06E-10	5.38E-10
2305	437581.6	3762430	1.72E-09	5.85E-09	7.57E-09	2.67E-10	9.56E-10	1.22E-09	1.44E-10	4.43E-10	5.87E-10
2306	437590.1	3762434	1.76E-09	6.01E-09	7.77E-09	2.74E-10	9.82E-10	1.26E-09	1.47E-10	4.55E-10	6.03E-10
2307	437598.6	3762437	1.81E-09	6.16E-09	7.97E-09	2.81E-10	1.01E-09	1.29E-09	1.51E-10	4.67E-10	6.18E-10
2308	437607.1	3762441	1.85E-09	6.32E-09	8.17E-09	2.88E-10	1.03E-09	1.32E-09	1.55E-10	4.79E-10	6.34E-10
2309	437615.6	3762444	1.90E-09	6.47E-09	8.37E-09	2.95E-10	1.06E-09	1.35E-09	1.59E-10	4.90E-10	6.49E-10
2310	437624.1	3762448	1.94E-09	6.62E-09	8.56E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.01E-10	6.64E-10
2311	437632.5	3762451	1.98E-09	6.76E-09	8.74E-09	3.08E-10	1.10E-09	1.41E-09	1.66E-10	5.12E-10	6.78E-10
2312	437641	3762455	2.02E-09	6.89E-09	8.92E-09	3.14E-10	1.13E-09	1.44E-09	1.69E-10	5.22E-10	6.92E-10
2313	437649.5	3762458	2.06E-09	7.03E-09	9.09E-09	3.20E-10	1.15E-09	1.47E-09	1.72E-10	5.32E-10	7.05E-10
2314	437658	3762462	2.10E-09	7.15E-09	9.25E-09	3.26E-10	1.17E-09	1.49E-09	1.76E-10	5.42E-10	7.17E-10

2315	437666.5	3762465	2.13E-09	7.27E-09	9.40E-09	3.31E-10	1.19E-09	1.52E-09	1.78E-10	5.51E-10	7.29E-10
2316	437675	3762469	2.16E-09	7.38E-09	9.54E-09	3.36E-10	1.21E-09	1.54E-09	1.81E-10	5.59E-10	7.40E-10
2317	437683.5	3762473	2.19E-09	7.48E-09	9.68E-09	3.41E-10	1.22E-09	1.56E-09	1.84E-10	5.67E-10	7.51E-10
2318	437692	3762476	2.22E-09	7.58E-09	9.80E-09	3.45E-10	1.24E-09	1.58E-09	1.86E-10	5.74E-10	7.60E-10
2319	437700.5	3762480	2.25E-09	7.67E-09	9.92E-09	3.49E-10	1.25E-09	1.60E-09	1.88E-10	5.81E-10	7.69E-10
2320	437709	3762483	2.27E-09	7.75E-09	1.00E-08	3.53E-10	1.27E-09	1.62E-09	1.90E-10	5.87E-10	7.77E-10
2321	437717.5	3762487	2.29E-09	7.82E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.92E-10	7.84E-10
2322	437726	3762490	2.31E-09	7.88E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.93E-10	5.97E-10	7.91E-10
2323	437734.5	3762494	2.33E-09	7.94E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.01E-10	7.96E-10
2324	437742.9	3762497	2.34E-09	7.99E-09	1.03E-08	3.64E-10	1.30E-09	1.67E-09	1.96E-10	6.05E-10	8.01E-10
2325	437751.4	3762501	2.35E-09	8.03E-09	1.04E-08	3.66E-10	1.31E-09	1.68E-09	1.97E-10	6.08E-10	8.05E-10
2326	437759.9	3762504	2.36E-09	8.06E-09	1.04E-08	3.67E-10	1.32E-09	1.68E-09	1.98E-10	6.11E-10	8.08E-10
2327	437771.9	3762516	2.48E-09	8.44E-09	1.09E-08	3.85E-10	1.38E-09	1.76E-09	2.07E-10	6.40E-10	8.47E-10
2328	437775.4	3762525	2.58E-09	8.81E-09	1.14E-08	4.01E-10	1.44E-09	1.84E-09	2.16E-10	6.67E-10	8.84E-10
2329	437778.9	3762533	2.70E-09	9.19E-09	1.19E-08	4.19E-10	1.50E-09	1.92E-09	2.26E-10	6.97E-10	9.22E-10
2330	437782.5	3762542	2.81E-09	9.60E-09	1.24E-08	4.37E-10	1.57E-09	2.01E-09	2.36E-10	7.27E-10	9.63E-10
2331	437786	3762550	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.01E-09
2332	437789.5	3762559	3.07E-09	1.05E-08	1.35E-08	4.77E-10	1.71E-09	2.19E-09	2.57E-10	7.93E-10	1.05E-09
2333	437793	3762567	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.28E-09	2.68E-10	8.28E-10	1.10E-09
2334	437796.5	3762576	3.35E-09	1.14E-08	1.48E-08	5.21E-10	1.87E-09	2.39E-09	2.80E-10	8.66E-10	1.15E-09
2335	437800	3762584	3.50E-09	1.19E-08	1.54E-08	5.44E-10	1.95E-09	2.50E-09	2.93E-10	9.05E-10	1.20E-09
2336	437803.5	3762593	3.66E-09	1.25E-08	1.61E-08	5.69E-10	2.04E-09	2.61E-09	3.06E-10	9.46E-10	1.25E-09
2337	437807	3762601	3.83E-09	1.31E-08	1.69E-08	5.95E-10	2.13E-09	2.73E-09	3.20E-10	9.89E-10	1.31E-09
2338	437810.5	3762610	4.00E-09	1.36E-08	1.76E-08	6.22E-10	2.23E-09	2.85E-09	3.35E-10	1.03E-09	1.37E-09
2339	437814	3762618	4.18E-09	1.42E-08	1.84E-08	6.49E-10	2.33E-09	2.98E-09	3.50E-10	1.08E-09	1.43E-09
2340	437817.5	3762627	4.36E-09	1.49E-08	1.92E-08	6.78E-10	2.43E-09	3.11E-09	3.65E-10	1.13E-09	1.49E-09
2341	437821.1	3762635	4.56E-09	1.55E-08	2.01E-08	7.08E-10	2.54E-09	3.25E-09	3.81E-10	1.18E-09	1.56E-09
2342	437824.6	3762644	4.76E-09	1.62E-08	2.10E-08	7.39E-10	2.65E-09	3.39E-09	3.98E-10	1.23E-09	1.63E-09
2343	437828.1	3762652	4.96E-09	1.69E-08	2.19E-08	7.71E-10	2.77E-09	3.54E-09	4.15E-10	1.28E-09	1.70E-09
2344	437831.6	3762661	5.17E-09	1.76E-08	2.28E-08	8.04E-10	2.88E-09	3.68E-09	4.33E-10	1.34E-09	1.77E-09
2345	437835.1	3762669	5.38E-09	1.84E-08	2.37E-08	8.36E-10	3.00E-09	3.84E-09	4.51E-10	1.39E-09	1.84E-09
2346	437838.6	3762678	5.60E-09	1.91E-08	2.47E-08	8.70E-10	3.12E-09	3.99E-09	4.68E-10	1.45E-09	1.91E-09
2347	437842.1	3762686	5.81E-09	1.98E-08	2.56E-08	9.03E-10	3.24E-09	4.14E-09	4.86E-10	1.50E-09	1.99E-09
2348	437845.6	3762695	6.02E-09	2.05E-08	2.65E-08	9.35E-10	3.35E-09	4.29E-09	5.04E-10	1.56E-09	2.06E-09
2349	437849.1	3762703	6.22E-09	2.12E-08	2.74E-08	9.67E-10	3.47E-09	4.43E-09	5.21E-10	1.61E-09	2.13E-09
2350	437852.6	3762712	6.42E-09	2.19E-08	2.83E-08	9.98E-10	3.58E-09	4.58E-09	5.38E-10	1.66E-09	2.20E-09
2351	437546.7	3762420	1.56E-09	5.33E-09	6.90E-09	2.43E-10	8.71E-10	1.11E-09	1.31E-10	4.04E-10	5.35E-10
2352	437537.3	3762420	1.55E-09	5.29E-09	6.84E-09	2.41E-10	8.64E-10	1.10E-09	1.30E-10	4.01E-10	5.30E-10
2353	437527.9	3762420	1.54E-09	5.24E-09	6.77E-09	2.39E-10	8.55E-10	1.09E-09	1.29E-10	3.97E-10	5.25E-10
2354	437518.6	3762420	1.52E-09	5.18E-09	6.70E-09	2.36E-10	8.47E-10	1.08E-09	1.27E-10	3.93E-10	5.20E-10
2355	437509.2	3762420	1.50E-09	5.13E-09	6.63E-09	2.34E-10	8.38E-10	1.07E-09	1.26E-10	3.89E-10	5.14E-10
2356	437499.8	3762420	1.49E-09	5.07E-09	6.56E-09	2.31E-10	8.28E-10	1.06E-09	1.24E-10	3.84E-10	5.09E-10
2357	437490.4	3762420	1.47E-09	5.01E-09	6.48E-09	2.28E-10	8.19E-10	1.05E-09	1.23E-10	3.80E-10	5.03E-10
2358	437481	3762420	1.45E-09	4.95E-09	6.41E-09	2.26E-10	8.09E-10	1.03E-09	1.22E-10	3.75E-10	4.97E-10
2359	437471.6	3762420	1.44E-09	4.89E-09	6.33E-09	2.23E-10	7.99E-10	1.02E-09	1.20E-10	3.71E-10	4.91E-10
2360	437462.2	3762420	1.42E-09	4.83E-09	6.25E-09	2.20E-10	7.90E-10	1.01E-09	1.19E-10	3.66E-10	4.85E-10
2361	437452.8	3762420	1.40E-09	4.77E-09	6.17E-09	2.18E-10	7.80E-10	9.97E-10	1.17E-10	3.62E-10	4.79E-10
2362	437443.4	3762420	1.38E-09	4.72E-09	6.10E-09	2.15E-10	7.70E-10	9.85E-10	1.16E-10	3.57E-10	4.73E-10
2363	437582.1	3762400	1.43E-09	4.87E-09	6.30E-09	2.22E-10	7.96E-10	1.02E-09	1.20E-10	3.69E-10	4.89E-10
2364	437590.7	3762404	1.47E-09	5.00E-09	6.47E-09	2.28E-10	8.17E-10	1.04E-09	1.23E-10	3.79E-10	5.02E-10
2365	437599.4	3762408	1.50E-09	5.13E-09	6.63E-09	2.34E-10	8.38E-10	1.07E-09	1.26E-10	3.89E-10	5.14E-10
2366	437608	3762411	1.54E-09	5.26E-09	6.80E-09	2.39E-10	8.58E-10	1.10E-09	1.29E-10	3.98E-10	5.27E-10
2367	437616.7	3762415	1.58E-09	5.38E-09	6.96E-09	2.45E-10	8.79E-10	1.12E-09	1.32E-10	4.08E-10	5.40E-10
2368	437625.3	3762418	1.61E-09	5.50E-09	7.12E-09	2.51E-10	8.99E-10	1.15E-09	1.35E-10	4.17E-10	5.52E-10
2369	437634	3762422	1.65E-09	5.62E-09	7.27E-09	2.56E-10	9.19E-10	1.18E-09	1.38E-10	4.26E-10	5.64E-10
2370	437642.6	3762426	1.68E-09	5.74E-09	7.42E-09	2.62E-10	9.38E-10	1.20E-09	1.41E-10	4.35E-10	5.76E-10
2371	437651.3	3762429	1.72E-09	5.85E-09	7.57E-09	2.67E-10	9.56E-10	1.22E-09	1.44E-10	4.44E-10	5.87E-10
2372	437659.9	3762433	1.75E-09	5.96E-09	7.71E-09	2.72E-10	9.74E-10	1.25E-09	1.46E-10	4.52E-10	5.98E-10
2373	437668.6	3762436	1.78E-09	6.06E-09	7.84E-09	2.76E-10	9.91E-10	1.27E-09	1.49E-10	4.59E-10	6.08E-10
2374	437677.2	3762440	1.81E-09	6.16E-09	7.97E-09	2.81E-10	1.01E-09	1.29E-09	1.51E-10	4.67E-10	6.18E-10
2375	437685.9	3762444	1.83E-09	6.25E-09	8.09E-09	2.85E-10	1.02E-09	1.31E-09	1.54E-10	4.74E-10	6.27E-10

2376	437694.5	3762447	1.86E-09	6.34E-09	8.20E-09	2.89E-10	1.04E-09	1.32E-09	1.56E-10	4.80E-10	6.36E-10
2377	437703.2	3762451	1.88E-09	6.42E-09	8.30E-09	2.93E-10	1.05E-09	1.34E-09	1.58E-10	4.87E-10	6.44E-10
2378	437711.8	3762454	1.90E-09	6.50E-09	8.40E-09	2.96E-10	1.06E-09	1.36E-09	1.59E-10	4.92E-10	6.52E-10
2379	437720.5	3762458	1.92E-09	6.56E-09	8.49E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.97E-10	6.58E-10
2380	437729.1	3762461	1.94E-09	6.63E-09	8.57E-09	3.02E-10	1.08E-09	1.38E-09	1.63E-10	5.02E-10	6.65E-10
2381	437737.8	3762465	1.96E-09	6.68E-09	8.64E-09	3.04E-10	1.09E-09	1.40E-09	1.64E-10	5.06E-10	6.70E-10
2382	437746.4	3762469	1.97E-09	6.73E-09	8.70E-09	3.07E-10	1.10E-09	1.41E-09	1.65E-10	5.10E-10	6.75E-10
2383	437755.1	3762472	1.99E-09	6.77E-09	8.76E-09	3.09E-10	1.11E-09	1.42E-09	1.66E-10	5.13E-10	6.79E-10
2384	437763.7	3762476	2.00E-09	6.81E-09	8.81E-09	3.10E-10	1.11E-09	1.42E-09	1.67E-10	5.16E-10	6.83E-10
2385	437772.4	3762479	2.01E-09	6.84E-09	8.85E-09	3.12E-10	1.12E-09	1.43E-09	1.68E-10	5.19E-10	6.86E-10
2386	437781	3762483	2.01E-09	6.87E-09	8.88E-09	3.13E-10	1.12E-09	1.44E-09	1.69E-10	5.21E-10	6.89E-10
2387	437793.2	3762495	2.10E-09	7.17E-09	9.28E-09	3.27E-10	1.17E-09	1.50E-09	1.76E-10	5.44E-10	7.20E-10
2388	437796.8	3762504	2.19E-09	7.47E-09	9.65E-09	3.40E-10	1.22E-09	1.56E-09	1.83E-10	5.66E-10	7.49E-10
2389	437800.4	3762513	2.28E-09	7.77E-09	1.01E-08	3.54E-10	1.27E-09	1.62E-09	1.91E-10	5.89E-10	7.80E-10
2390	437803.9	3762521	2.37E-09	8.09E-09	1.05E-08	3.69E-10	1.32E-09	1.69E-09	1.99E-10	6.13E-10	8.12E-10
2391	437807.5	3762530	2.47E-09	8.42E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.38E-10	8.45E-10
2392	437811.1	3762538	2.57E-09	8.77E-09	1.13E-08	4.00E-10	1.43E-09	1.83E-09	2.15E-10	6.65E-10	8.80E-10
2393	437814.7	3762547	2.68E-09	9.14E-09	1.18E-08	4.17E-10	1.49E-09	1.91E-09	2.24E-10	6.93E-10	9.17E-10
2394	437818.2	3762556	2.79E-09	9.53E-09	1.23E-08	4.34E-10	1.56E-09	1.99E-09	2.34E-10	7.22E-10	9.56E-10
2395	437821.8	3762564	2.91E-09	9.93E-09	1.28E-08	4.53E-10	1.62E-09	2.08E-09	2.44E-10	7.53E-10	9.97E-10
2396	437825.4	3762573	3.04E-09	1.04E-08	1.34E-08	4.72E-10	1.69E-09	2.16E-09	2.54E-10	7.85E-10	1.04E-09
2397	437829	3762582	3.17E-09	1.08E-08	1.40E-08	4.92E-10	1.76E-09	2.26E-09	2.65E-10	8.19E-10	1.08E-09
2398	437832.5	3762590	3.30E-09	1.13E-08	1.46E-08	5.13E-10	1.84E-09	2.35E-09	2.76E-10	8.54E-10	1.13E-09
2399	437836.1	3762599	3.44E-09	1.17E-08	1.52E-08	5.35E-10	1.92E-09	2.45E-09	2.88E-10	8.90E-10	1.18E-09
2400	437839.7	3762608	3.59E-09	1.22E-08	1.58E-08	5.58E-10	2.00E-09	2.56E-09	3.01E-10	9.28E-10	1.23E-09
2401	437843.3	3762616	3.74E-09	1.28E-08	1.65E-08	5.81E-10	2.08E-09	2.67E-09	3.13E-10	9.67E-10	1.28E-09
2402	437846.8	3762625	3.90E-09	1.33E-08	1.72E-08	6.06E-10	2.17E-09	2.78E-09	3.26E-10	1.01E-09	1.33E-09
2403	437850.4	3762634	4.06E-09	1.38E-08	1.79E-08	6.31E-10	2.26E-09	2.89E-09	3.40E-10	1.05E-09	1.39E-09
2404	437854	3762642	4.23E-09	1.44E-08	1.86E-08	6.57E-10	2.35E-09	3.01E-09	3.54E-10	1.09E-09	1.45E-09
2405	437857.6	3762651	4.39E-09	1.50E-08	1.94E-08	6.83E-10	2.45E-09	3.13E-09	3.68E-10	1.14E-09	1.50E-09
2406	437861.1	3762660	4.56E-09	1.56E-08	2.01E-08	7.09E-10	2.54E-09	3.25E-09	3.82E-10	1.18E-09	1.56E-09
2407	437864.7	3762668	4.74E-09	1.62E-08	2.09E-08	7.36E-10	2.64E-09	3.38E-09	3.97E-10	1.22E-09	1.62E-09
2408	437868.3	3762677	4.91E-09	1.68E-08	2.17E-08	7.64E-10	2.74E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
2409	437871.8	3762686	5.09E-09	1.74E-08	2.24E-08	7.91E-10	2.83E-09	3.63E-09	4.26E-10	1.31E-09	1.74E-09
2410	437875.4	3762694	5.26E-09	1.79E-08	2.32E-08	8.17E-10	2.93E-09	3.75E-09	4.40E-10	1.36E-09	1.80E-09
2411	437879	3762703	5.43E-09	1.85E-08	2.39E-08	8.44E-10	3.03E-09	3.87E-09	4.55E-10	1.40E-09	1.86E-09
2412	437882.6	3762712	5.60E-09	1.91E-08	2.47E-08	8.69E-10	3.12E-09	3.99E-09	4.68E-10	1.45E-09	1.91E-09
2413	437546.7	3762390	1.30E-09	4.44E-09	5.75E-09	2.03E-10	7.26E-10	9.29E-10	1.09E-10	3.37E-10	4.46E-10
2414	437537.3	3762390	1.29E-09	4.40E-09	5.70E-09	2.01E-10	7.20E-10	9.20E-10	1.08E-10	3.34E-10	4.42E-10
2415	437527.9	3762390	1.28E-09	4.36E-09	5.64E-09	1.99E-10	7.13E-10	9.11E-10	1.07E-10	3.31E-10	4.38E-10
2416	437518.6	3762390	1.27E-09	4.32E-09	5.58E-09	1.97E-10	7.05E-10	9.02E-10	1.06E-10	3.27E-10	4.33E-10
2417	437509.2	3762390	1.25E-09	4.27E-09	5.53E-09	1.95E-10	6.98E-10	8.93E-10	1.05E-10	3.24E-10	4.29E-10
2418	437499.8	3762390	1.24E-09	4.23E-09	5.47E-09	1.93E-10	6.90E-10	8.83E-10	1.04E-10	3.20E-10	4.24E-10
2419	437490.4	3762390	1.23E-09	4.18E-09	5.40E-09	1.90E-10	6.83E-10	8.73E-10	1.03E-10	3.17E-10	4.19E-10
2420	437481	3762390	1.21E-09	4.13E-09	5.34E-09	1.88E-10	6.75E-10	8.63E-10	1.01E-10	3.13E-10	4.14E-10
2421	437471.6	3762390	1.20E-09	4.08E-09	5.28E-09	1.86E-10	6.67E-10	8.53E-10	1.00E-10	3.09E-10	4.10E-10
2422	437462.2	3762390	1.18E-09	4.04E-09	5.22E-09	1.84E-10	6.59E-10	8.43E-10	9.91E-11	3.06E-10	4.05E-10
2423	437452.8	3762390	1.17E-09	3.99E-09	5.16E-09	1.82E-10	6.52E-10	8.34E-10	9.79E-11	3.02E-10	4.00E-10
2424	437443.4	3762390	1.16E-09	3.94E-09	5.10E-09	1.80E-10	6.44E-10	8.24E-10	9.68E-11	2.99E-10	3.96E-10
2425	437581.6	3762370	1.20E-09	4.10E-09	5.30E-09	1.87E-10	6.70E-10	8.56E-10	1.01E-10	3.11E-10	4.11E-10
2426	437590.1	3762374	1.23E-09	4.20E-09	5.44E-09	1.92E-10	6.87E-10	8.78E-10	1.03E-10	3.18E-10	4.22E-10
2427	437598.6	3762377	1.26E-09	4.31E-09	5.57E-09	1.96E-10	7.03E-10	9.00E-10	1.06E-10	3.26E-10	4.32E-10
2428	437607.1	3762381	1.29E-09	4.41E-09	5.70E-09	2.01E-10	7.20E-10	9.21E-10	1.08E-10	3.34E-10	4.42E-10
2429	437615.6	3762384	1.32E-09	4.51E-09	5.83E-09	2.06E-10	7.37E-10	9.43E-10	1.11E-10	3.42E-10	4.53E-10
2430	437624.1	3762388	1.35E-09	4.61E-09	5.96E-09	2.10E-10	7.53E-10	9.64E-10	1.13E-10	3.49E-10	4.63E-10
2431	437632.5	3762391	1.38E-09	4.71E-09	6.09E-09	2.15E-10	7.70E-10	9.84E-10	1.16E-10	3.57E-10	4.73E-10
2432	437641	3762395	1.41E-09	4.81E-09	6.22E-09	2.19E-10	7.86E-10	1.00E-09	1.18E-10	3.64E-10	4.82E-10
2433	437649.5	3762398	1.44E-09	4.90E-09	6.34E-09	2.23E-10	8.01E-10	1.02E-09	1.20E-10	3.72E-10	4.92E-10
2434	437658	3762402	1.46E-09	4.99E-09	6.46E-09	2.28E-10	8.16E-10	1.04E-09	1.23E-10	3.78E-10	5.01E-10
2435	437666.5	3762405	1.49E-09	5.08E-09	6.57E-09	2.32E-10	8.30E-10	1.06E-09	1.25E-10	3.85E-10	5.10E-10
2436	437675	3762409	1.52E-09	5.17E-09	6.68E-09	2.35E-10	8.44E-10	1.08E-09	1.27E-10	3.92E-10	5.18E-10

2437	437683.5	3762413	1.54E-09	5.25E-09	6.79E-09	2.39E-10	8.58E-10	1.10E-09	1.29E-10	3.98E-10	5.27E-10
2438	437692	3762416	1.56E-09	5.33E-09	6.89E-09	2.43E-10	8.70E-10	1.11E-09	1.31E-10	4.04E-10	5.34E-10
2439	437700.5	3762420	1.58E-09	5.40E-09	6.98E-09	2.46E-10	8.82E-10	1.13E-09	1.33E-10	4.09E-10	5.42E-10
2440	437709	3762423	1.60E-09	5.47E-09	7.07E-09	2.49E-10	8.93E-10	1.14E-09	1.34E-10	4.14E-10	5.49E-10
2441	437717.5	3762427	1.62E-09	5.53E-09	7.15E-09	2.52E-10	9.04E-10	1.16E-09	1.36E-10	4.19E-10	5.55E-10
2442	437726	3762430	1.64E-09	5.59E-09	7.23E-09	2.55E-10	9.14E-10	1.17E-09	1.37E-10	4.24E-10	5.61E-10
2443	437734.4	3762434	1.66E-09	5.65E-09	7.30E-09	2.57E-10	9.23E-10	1.18E-09	1.39E-10	4.28E-10	5.67E-10
2444	437742.9	3762437	1.67E-09	5.70E-09	7.37E-09	2.60E-10	9.31E-10	1.19E-09	1.40E-10	4.32E-10	5.72E-10
2445	437751.4	3762441	1.68E-09	5.74E-09	7.43E-09	2.62E-10	9.38E-10	1.20E-09	1.41E-10	4.35E-10	5.76E-10
2446	437759.9	3762444	1.70E-09	5.78E-09	7.48E-09	2.64E-10	9.45E-10	1.21E-09	1.42E-10	4.38E-10	5.80E-10
2447	437768.4	3762448	1.71E-09	5.82E-09	7.53E-09	2.65E-10	9.51E-10	1.22E-09	1.43E-10	4.41E-10	5.84E-10
2448	437776.9	3762451	1.72E-09	5.85E-09	7.57E-09	2.67E-10	9.56E-10	1.22E-09	1.44E-10	4.44E-10	5.87E-10
2449	437785.4	3762455	1.73E-09	5.88E-09	7.61E-09	2.68E-10	9.61E-10	1.23E-09	1.44E-10	4.46E-10	5.90E-10
2450	437793.9	3762458	1.73E-09	5.91E-09	7.64E-09	2.69E-10	9.65E-10	1.23E-09	1.45E-10	4.48E-10	5.93E-10
2451	437802.4	3762462	1.74E-09	5.93E-09	7.67E-09	2.70E-10	9.68E-10	1.24E-09	1.46E-10	4.49E-10	5.95E-10
2452	437814.4	3762474	1.81E-09	6.16E-09	7.97E-09	2.81E-10	1.01E-09	1.29E-09	1.51E-10	4.67E-10	6.18E-10
2453	437817.9	3762482	1.87E-09	6.39E-09	8.27E-09	2.91E-10	1.04E-09	1.34E-09	1.57E-10	4.84E-10	6.41E-10
2454	437821.4	3762491	1.94E-09	6.63E-09	8.57E-09	3.02E-10	1.08E-09	1.39E-09	1.63E-10	5.02E-10	6.65E-10
2455	437824.9	3762499	2.02E-09	6.87E-09	8.89E-09	3.13E-10	1.12E-09	1.44E-09	1.69E-10	5.21E-10	6.90E-10
2456	437828.4	3762508	2.09E-09	7.13E-09	9.22E-09	3.25E-10	1.17E-09	1.49E-09	1.75E-10	5.40E-10	7.15E-10
2457	437831.9	3762516	2.17E-09	7.40E-09	9.57E-09	3.37E-10	1.21E-09	1.55E-09	1.82E-10	5.61E-10	7.42E-10
2458	437835.4	3762525	2.25E-09	7.68E-09	9.93E-09	3.50E-10	1.25E-09	1.60E-09	1.88E-10	5.82E-10	7.70E-10
2459	437838.9	3762533	2.34E-09	7.97E-09	1.03E-08	3.63E-10	1.30E-09	1.67E-09	1.96E-10	6.04E-10	8.00E-10
2460	437842.5	3762542	2.43E-09	8.28E-09	1.07E-08	3.77E-10	1.35E-09	1.73E-09	2.03E-10	6.27E-10	8.30E-10
2461	437846	3762550	2.52E-09	8.60E-09	1.11E-08	3.92E-10	1.41E-09	1.80E-09	2.11E-10	6.52E-10	8.63E-10
2462	437849.5	3762559	2.62E-09	8.94E-09	1.16E-08	4.07E-10	1.46E-09	1.87E-09	2.19E-10	6.77E-10	8.97E-10
2463	437853	3762567	2.72E-09	9.29E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.04E-10	9.32E-10
2464	437856.5	3762576	2.83E-09	9.65E-09	1.25E-08	4.40E-10	1.58E-09	2.02E-09	2.37E-10	7.31E-10	9.68E-10
2465	437860	3762584	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.10E-09	2.46E-10	7.60E-10	1.01E-09
2466	437863.5	3762593	3.06E-09	1.04E-08	1.35E-08	4.75E-10	1.70E-09	2.18E-09	2.56E-10	7.90E-10	1.05E-09
2467	437867	3762601	3.18E-09	1.08E-08	1.40E-08	4.93E-10	1.77E-09	2.26E-09	2.66E-10	8.21E-10	1.09E-09
2468	437870.5	3762610	3.30E-09	1.13E-08	1.45E-08	5.13E-10	1.84E-09	2.35E-09	2.76E-10	8.52E-10	1.13E-09
2469	437874	3762618	3.43E-09	1.17E-08	1.51E-08	5.32E-10	1.91E-09	2.44E-09	2.87E-10	8.85E-10	1.17E-09
2470	437877.5	3762627	3.56E-09	1.21E-08	1.57E-08	5.52E-10	1.98E-09	2.53E-09	2.98E-10	9.19E-10	1.22E-09
2471	437881.1	3762635	3.69E-09	1.26E-08	1.63E-08	5.73E-10	2.05E-09	2.63E-09	3.09E-10	9.53E-10	1.26E-09
2472	437884.6	3762644	3.82E-09	1.30E-08	1.69E-08	5.94E-10	2.13E-09	2.72E-09	3.20E-10	9.88E-10	1.31E-09
2473	437888.1	3762652	3.96E-09	1.35E-08	1.75E-08	6.15E-10	2.21E-09	2.82E-09	3.32E-10	1.02E-09	1.35E-09
2474	437891.6	3762661	4.10E-09	1.40E-08	1.81E-08	6.37E-10	2.28E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
2475	437895.1	3762669	4.24E-09	1.45E-08	1.87E-08	6.59E-10	2.36E-09	3.02E-09	3.55E-10	1.10E-09	1.45E-09
2476	437898.6	3762678	4.38E-09	1.49E-08	1.93E-08	6.80E-10	2.44E-09	3.12E-09	3.67E-10	1.13E-09	1.50E-09
2477	437902.1	3762686	4.52E-09	1.54E-08	1.99E-08	7.02E-10	2.52E-09	3.22E-09	3.78E-10	1.17E-09	1.55E-09
2478	437905.6	3762695	4.65E-09	1.59E-08	2.05E-08	7.23E-10	2.59E-09	3.32E-09	3.90E-10	1.20E-09	1.59E-09
2479	437909.1	3762703	4.79E-09	1.63E-08	2.11E-08	7.44E-10	2.67E-09	3.41E-09	4.01E-10	1.24E-09	1.64E-09
2480	437912.6	3762712	4.92E-09	1.68E-08	2.17E-08	7.64E-10	2.74E-09	3.50E-09	4.12E-10	1.27E-09	1.68E-09
2481	437546.7	3762360	1.10E-09	3.76E-09	4.86E-09	1.71E-10	6.14E-10	7.85E-10	9.23E-11	2.85E-10	3.77E-10
2482	437537.3	3762360	1.09E-09	3.72E-09	4.82E-09	1.70E-10	6.08E-10	7.78E-10	9.14E-11	2.82E-10	3.74E-10
2483	437527.9	3762360	1.08E-09	3.69E-09	4.77E-09	1.68E-10	6.02E-10	7.70E-10	9.05E-11	2.79E-10	3.70E-10
2484	437518.5	3762360	1.07E-09	3.65E-09	4.72E-09	1.66E-10	5.96E-10	7.63E-10	8.96E-11	2.77E-10	3.66E-10
2485	437509.2	3762360	1.06E-09	3.61E-09	4.67E-09	1.65E-10	5.90E-10	7.55E-10	8.87E-11	2.74E-10	3.62E-10
2486	437499.8	3762360	1.05E-09	3.57E-09	4.62E-09	1.63E-10	5.84E-10	7.47E-10	8.77E-11	2.71E-10	3.59E-10
2487	437490.4	3762360	1.04E-09	3.54E-09	4.57E-09	1.61E-10	5.78E-10	7.39E-10	8.68E-11	2.68E-10	3.55E-10
2488	437481	3762360	1.03E-09	3.50E-09	4.52E-09	1.59E-10	5.71E-10	7.30E-10	8.58E-11	2.65E-10	3.51E-10
2489	437471.6	3762360	1.01E-09	3.46E-09	4.47E-09	1.58E-10	5.65E-10	7.22E-10	8.49E-11	2.62E-10	3.47E-10
2490	437462.2	3762360	1.00E-09	3.42E-09	4.42E-09	1.56E-10	5.59E-10	7.15E-10	8.39E-11	2.59E-10	3.43E-10
2491	437452.8	3762360	9.92E-10	3.38E-09	4.37E-09	1.54E-10	5.53E-10	7.07E-10	8.30E-11	2.56E-10	3.39E-10
2492	437443.4	3762360	9.81E-10	3.35E-09	4.33E-09	1.52E-10	5.47E-10	6.99E-10	8.21E-11	2.54E-10	3.36E-10
2493	437582	3762340	1.03E-09	3.50E-09	4.53E-09	1.60E-10	5.72E-10	7.32E-10	8.60E-11	2.66E-10	3.52E-10
2494	437590.6	3762344	1.05E-09	3.59E-09	4.64E-09	1.64E-10	5.87E-10	7.50E-10	8.81E-11	2.72E-10	3.60E-10
2495	437599.2	3762348	1.08E-09	3.68E-09	4.76E-09	1.68E-10	6.01E-10	7.68E-10	9.03E-11	2.79E-10	3.69E-10
2496	437607.9	3762351	1.10E-09	3.76E-09	4.87E-09	1.72E-10	6.15E-10	7.86E-10	9.24E-11	2.85E-10	3.78E-10
2497	437616.5	3762355	1.13E-09	3.85E-09	4.98E-09	1.75E-10	6.29E-10	8.04E-10	9.45E-11	2.92E-10	3.86E-10

2498	437625.1	3762358	1.15E-09	3.94E-09	5.09E-09	1.79E-10	6.43E-10	8.22E-10	9.66E-11	2.98E-10	3.95E-10
2499	437633.7	3762362	1.18E-09	4.02E-09	5.20E-09	1.83E-10	6.57E-10	8.40E-10	9.87E-11	3.05E-10	4.03E-10
2500	437642.4	3762365	1.20E-09	4.10E-09	5.31E-09	1.87E-10	6.70E-10	8.57E-10	1.01E-10	3.11E-10	4.12E-10
2501	437651	3762369	1.23E-09	4.18E-09	5.41E-09	1.91E-10	6.84E-10	8.74E-10	1.03E-10	3.17E-10	4.20E-10
2502	437659.6	3762373	1.25E-09	4.26E-09	5.51E-09	1.94E-10	6.97E-10	8.91E-10	1.05E-10	3.23E-10	4.28E-10
2503	437668.2	3762376	1.27E-09	4.34E-09	5.61E-09	1.98E-10	7.09E-10	9.07E-10	1.07E-10	3.29E-10	4.35E-10
2504	437676.9	3762380	1.29E-09	4.42E-09	5.71E-09	2.01E-10	7.21E-10	9.23E-10	1.08E-10	3.35E-10	4.43E-10
2505	437685.5	3762383	1.32E-09	4.49E-09	5.80E-09	2.04E-10	7.33E-10	9.38E-10	1.10E-10	3.40E-10	4.50E-10
2506	437694.1	3762387	1.34E-09	4.56E-09	5.89E-09	2.08E-10	7.44E-10	9.52E-10	1.12E-10	3.45E-10	4.57E-10
2507	437702.7	3762391	1.36E-09	4.62E-09	5.98E-09	2.11E-10	7.55E-10	9.66E-10	1.13E-10	3.50E-10	4.64E-10
2508	437711.4	3762394	1.37E-09	4.68E-09	6.06E-09	2.13E-10	7.65E-10	9.79E-10	1.15E-10	3.55E-10	4.70E-10
2509	437720	3762398	1.39E-09	4.74E-09	6.13E-09	2.16E-10	7.75E-10	9.91E-10	1.16E-10	3.59E-10	4.76E-10
2510	437728.6	3762401	1.41E-09	4.80E-09	6.20E-09	2.19E-10	7.84E-10	1.00E-09	1.18E-10	3.64E-10	4.81E-10
2511	437737.2	3762405	1.42E-09	4.85E-09	6.27E-09	2.21E-10	7.92E-10	1.01E-09	1.19E-10	3.67E-10	4.87E-10
2512	437745.9	3762408	1.44E-09	4.90E-09	6.33E-09	2.23E-10	8.00E-10	1.02E-09	1.20E-10	3.71E-10	4.91E-10
2513	437754.5	3762412	1.45E-09	4.94E-09	6.39E-09	2.25E-10	8.07E-10	1.03E-09	1.21E-10	3.74E-10	4.96E-10
2514	437763.1	3762416	1.46E-09	4.98E-09	6.44E-09	2.27E-10	8.14E-10	1.04E-09	1.22E-10	3.78E-10	5.00E-10
2515	437771.7	3762419	1.47E-09	5.02E-09	6.49E-09	2.29E-10	8.20E-10	1.05E-09	1.23E-10	3.80E-10	5.04E-10
2516	437780.4	3762423	1.48E-09	5.05E-09	6.53E-09	2.30E-10	8.25E-10	1.06E-09	1.24E-10	3.83E-10	5.07E-10
2517	437789	3762426	1.49E-09	5.08E-09	6.57E-09	2.32E-10	8.30E-10	1.06E-09	1.25E-10	3.85E-10	5.10E-10
2518	437797.6	3762430	1.50E-09	5.11E-09	6.61E-09	2.33E-10	8.35E-10	1.07E-09	1.25E-10	3.87E-10	5.12E-10
2519	437806.2	3762433	1.50E-09	5.13E-09	6.64E-09	2.34E-10	8.38E-10	1.07E-09	1.26E-10	3.89E-10	5.15E-10
2520	437814.9	3762437	1.51E-09	5.15E-09	6.66E-09	2.35E-10	8.42E-10	1.08E-09	1.26E-10	3.90E-10	5.17E-10
2521	437823.5	3762441	1.52E-09	5.17E-09	6.68E-09	2.35E-10	8.44E-10	1.08E-09	1.27E-10	3.92E-10	5.18E-10
2522	437835.7	3762453	1.57E-09	5.36E-09	6.93E-09	2.44E-10	8.76E-10	1.12E-09	1.32E-10	4.06E-10	5.38E-10
2523	437839.2	3762461	1.63E-09	5.55E-09	7.17E-09	2.53E-10	9.06E-10	1.16E-09	1.36E-10	4.20E-10	5.56E-10
2524	437842.8	3762470	1.68E-09	5.74E-09	7.42E-09	2.62E-10	9.38E-10	1.20E-09	1.41E-10	4.35E-10	5.76E-10
2525	437846.4	3762479	1.74E-09	5.94E-09	7.68E-09	2.71E-10	9.71E-10	1.24E-09	1.46E-10	4.50E-10	5.96E-10
2526	437849.9	3762487	1.80E-09	6.15E-09	7.96E-09	2.80E-10	1.00E-09	1.29E-09	1.51E-10	4.66E-10	6.17E-10
2527	437853.5	3762496	1.87E-09	6.37E-09	8.24E-09	2.90E-10	1.04E-09	1.33E-09	1.56E-10	4.83E-10	6.39E-10
2528	437857.1	3762505	1.93E-09	6.60E-09	8.53E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.00E-10	6.62E-10
2529	437860.6	3762513	2.00E-09	6.83E-09	8.83E-09	3.11E-10	1.12E-09	1.43E-09	1.68E-10	5.18E-10	6.85E-10
2530	437864.2	3762522	2.08E-09	7.08E-09	9.15E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.36E-10	7.10E-10
2531	437867.7	3762530	2.15E-09	7.34E-09	9.49E-09	3.34E-10	1.20E-09	1.53E-09	1.80E-10	5.56E-10	7.36E-10
2532	437871.3	3762539	2.23E-09	7.60E-09	9.83E-09	3.46E-10	1.24E-09	1.59E-09	1.87E-10	5.76E-10	7.63E-10
2533	437874.9	3762548	2.31E-09	7.88E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.94E-10	5.97E-10	7.91E-10
2534	437878.4	3762556	2.40E-09	8.18E-09	1.06E-08	3.73E-10	1.34E-09	1.71E-09	2.01E-10	6.20E-10	8.20E-10
2535	437882	3762565	2.49E-09	8.48E-09	1.10E-08	3.87E-10	1.39E-09	1.77E-09	2.08E-10	6.43E-10	8.51E-10
2536	437885.6	3762574	2.58E-09	8.80E-09	1.14E-08	4.01E-10	1.44E-09	1.84E-09	2.16E-10	6.67E-10	8.83E-10
2537	437889.1	3762582	2.68E-09	9.13E-09	1.18E-08	4.16E-10	1.49E-09	1.91E-09	2.24E-10	6.92E-10	9.16E-10
2538	437892.7	3762591	2.78E-09	9.47E-09	1.22E-08	4.32E-10	1.55E-09	1.98E-09	2.32E-10	7.18E-10	9.50E-10
2539	437896.3	3762599	2.88E-09	9.82E-09	1.27E-08	4.48E-10	1.60E-09	2.05E-09	2.41E-10	7.44E-10	9.85E-10
2540	437899.8	3762608	2.99E-09	1.02E-08	1.32E-08	4.64E-10	1.66E-09	2.13E-09	2.50E-10	7.72E-10	1.02E-09
2541	437903.4	3762617	3.10E-09	1.06E-08	1.37E-08	4.81E-10	1.72E-09	2.21E-09	2.59E-10	8.00E-10	1.06E-09
2542	437906.9	3762625	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.28E-09	2.68E-10	8.29E-10	1.10E-09
2543	437910.5	3762634	3.32E-09	1.13E-08	1.46E-08	5.16E-10	1.85E-09	2.37E-09	2.78E-10	8.58E-10	1.14E-09
2544	437914.1	3762643	3.44E-09	1.17E-08	1.51E-08	5.34E-10	1.91E-09	2.45E-09	2.88E-10	8.88E-10	1.18E-09
2545	437917.6	3762651	3.55E-09	1.21E-08	1.57E-08	5.52E-10	1.98E-09	2.53E-09	2.97E-10	9.18E-10	1.21E-09
2546	437921.2	3762660	3.67E-09	1.25E-08	1.62E-08	5.70E-10	2.04E-09	2.61E-09	3.07E-10	9.48E-10	1.25E-09
2547	437924.8	3762669	3.79E-09	1.29E-08	1.67E-08	5.88E-10	2.11E-09	2.70E-09	3.17E-10	9.78E-10	1.29E-09
2548	437928.3	3762677	3.90E-09	1.33E-08	1.72E-08	6.06E-10	2.17E-09	2.78E-09	3.27E-10	1.01E-09	1.33E-09
2549	437931.9	3762686	4.02E-09	1.37E-08	1.77E-08	6.24E-10	2.24E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
2550	437935.5	3762694	4.13E-09	1.41E-08	1.82E-08	6.42E-10	2.30E-09	2.94E-09	3.46E-10	1.07E-09	1.41E-09
2551	437939	3762703	4.24E-09	1.45E-08	1.87E-08	6.59E-10	2.36E-09	3.02E-09	3.55E-10	1.10E-09	1.45E-09
2552	437942.6	3762712	4.35E-09	1.48E-08	1.92E-08	6.76E-10	2.42E-09	3.10E-09	3.64E-10	1.12E-09	1.49E-09
2553	437546.7	3762330	9.44E-10	3.22E-09	4.16E-09	1.47E-10	5.26E-10	6.72E-10	7.90E-11	2.44E-10	3.23E-10
2554	437537.3	3762330	9.35E-10	3.19E-09	4.12E-09	1.45E-10	5.21E-10	6.66E-10	7.83E-11	2.42E-10	3.20E-10
2555	437527.9	3762330	9.26E-10	3.16E-09	4.08E-09	1.44E-10	5.16E-10	6.60E-10	7.75E-11	2.39E-10	3.17E-10
2556	437518.5	3762330	9.17E-10	3.13E-09	4.04E-09	1.42E-10	5.11E-10	6.53E-10	7.67E-11	2.37E-10	3.14E-10
2557	437509.2	3762330	9.07E-10	3.09E-09	4.00E-09	1.41E-10	5.05E-10	6.46E-10	7.59E-11	2.34E-10	3.10E-10
2558	437499.8	3762330	8.98E-10	3.06E-09	3.96E-09	1.39E-10	5.00E-10	6.40E-10	7.51E-11	2.32E-10	3.07E-10

2559	437490.4	3762330	8.88E-10	3.03E-09	3.92E-09	1.38E-10	4.95E-10	6.33E-10	7.44E-11	2.30E-10	3.04E-10
2560	437481	3762330	8.79E-10	3.00E-09	3.88E-09	1.37E-10	4.90E-10	6.26E-10	7.36E-11	2.27E-10	3.01E-10
2561	437471.6	3762330	8.70E-10	2.97E-09	3.84E-09	1.35E-10	4.85E-10	6.20E-10	7.28E-11	2.25E-10	2.98E-10
2562	437462.2	3762330	8.61E-10	2.93E-09	3.79E-09	1.34E-10	4.79E-10	6.13E-10	7.20E-11	2.22E-10	2.94E-10
2563	437452.8	3762330	8.52E-10	2.90E-09	3.76E-09	1.32E-10	4.74E-10	6.07E-10	7.13E-11	2.20E-10	2.91E-10
2564	437443.4	3762330	8.43E-10	2.87E-09	3.72E-09	1.31E-10	4.70E-10	6.00E-10	7.05E-11	2.18E-10	2.88E-10
2565	437581.6	3762310	8.86E-10	3.02E-09	3.91E-09	1.38E-10	4.94E-10	6.31E-10	7.42E-11	2.29E-10	3.03E-10
2566	437590.1	3762314	9.07E-10	3.09E-09	4.00E-09	1.41E-10	5.05E-10	6.46E-10	7.59E-11	2.34E-10	3.10E-10
2567	437598.6	3762317	9.28E-10	3.16E-09	4.09E-09	1.44E-10	5.17E-10	6.61E-10	7.77E-11	2.40E-10	3.17E-10
2568	437607.1	3762321	9.49E-10	3.24E-09	4.18E-09	1.47E-10	5.29E-10	6.76E-10	7.94E-11	2.45E-10	3.25E-10
2569	437615.6	3762324	9.70E-10	3.31E-09	4.28E-09	1.51E-10	5.40E-10	6.91E-10	8.12E-11	2.51E-10	3.32E-10
2570	437624	3762328	9.91E-10	3.38E-09	4.37E-09	1.54E-10	5.52E-10	7.06E-10	8.29E-11	2.56E-10	3.39E-10
2571	437632.5	3762331	1.01E-09	3.45E-09	4.46E-09	1.57E-10	5.63E-10	7.21E-10	8.46E-11	2.61E-10	3.46E-10
2572	437641	3762335	1.03E-09	3.52E-09	4.55E-09	1.60E-10	5.75E-10	7.35E-10	8.64E-11	2.67E-10	3.53E-10
2573	437649.5	3762338	1.05E-09	3.59E-09	4.64E-09	1.63E-10	5.86E-10	7.49E-10	8.81E-11	2.72E-10	3.60E-10
2574	437658	3762342	1.07E-09	3.65E-09	4.73E-09	1.67E-10	5.97E-10	7.64E-10	8.97E-11	2.77E-10	3.67E-10
2575	437666.5	3762345	1.09E-09	3.72E-09	4.81E-09	1.70E-10	6.08E-10	7.77E-10	9.13E-11	2.82E-10	3.73E-10
2576	437675	3762349	1.11E-09	3.78E-09	4.89E-09	1.72E-10	6.18E-10	7.91E-10	9.29E-11	2.87E-10	3.80E-10
2577	437683.5	3762353	1.13E-09	3.85E-09	4.98E-09	1.75E-10	6.28E-10	8.04E-10	9.44E-11	2.92E-10	3.86E-10
2578	437692	3762356	1.15E-09	3.91E-09	5.05E-09	1.78E-10	6.38E-10	8.16E-10	9.59E-11	2.96E-10	3.92E-10
2579	437700.5	3762360	1.16E-09	3.97E-09	5.13E-09	1.81E-10	6.48E-10	8.28E-10	9.73E-11	3.00E-10	3.98E-10
2580	437709	3762363	1.18E-09	4.02E-09	5.20E-09	1.83E-10	6.57E-10	8.40E-10	9.87E-11	3.05E-10	4.03E-10
2581	437717.5	3762367	1.19E-09	4.07E-09	5.27E-09	1.86E-10	6.66E-10	8.51E-10	1.00E-10	3.09E-10	4.09E-10
2582	437726	3762370	1.21E-09	4.13E-09	5.33E-09	1.88E-10	6.74E-10	8.62E-10	1.01E-10	3.13E-10	4.14E-10
2583	437734.4	3762374	1.22E-09	4.17E-09	5.40E-09	1.90E-10	6.82E-10	8.72E-10	1.02E-10	3.16E-10	4.19E-10
2584	437742.9	3762377	1.24E-09	4.22E-09	5.46E-09	1.92E-10	6.89E-10	8.81E-10	1.04E-10	3.20E-10	4.23E-10
2585	437751.4	3762381	1.25E-09	4.26E-09	5.51E-09	1.94E-10	6.96E-10	8.90E-10	1.05E-10	3.23E-10	4.27E-10
2586	437759.9	3762384	1.26E-09	4.30E-09	5.56E-09	1.96E-10	7.02E-10	8.98E-10	1.06E-10	3.26E-10	4.31E-10
2587	437768.4	3762388	1.27E-09	4.34E-09	5.61E-09	1.98E-10	7.08E-10	9.06E-10	1.06E-10	3.29E-10	4.35E-10
2588	437776.9	3762391	1.28E-09	4.37E-09	5.65E-09	1.99E-10	7.14E-10	9.13E-10	1.07E-10	3.31E-10	4.38E-10
2589	437785.4	3762395	1.29E-09	4.40E-09	5.69E-09	2.01E-10	7.19E-10	9.20E-10	1.08E-10	3.34E-10	4.42E-10
2590	437793.9	3762398	1.30E-09	4.43E-09	5.73E-09	2.02E-10	7.24E-10	9.26E-10	1.09E-10	3.36E-10	4.45E-10
2591	437802.4	3762402	1.31E-09	4.46E-09	5.76E-09	2.03E-10	7.28E-10	9.31E-10	1.09E-10	3.38E-10	4.47E-10
2592	437810.9	3762405	1.31E-09	4.48E-09	5.79E-09	2.04E-10	7.32E-10	9.36E-10	1.10E-10	3.40E-10	4.50E-10
2593	437819.4	3762409	1.32E-09	4.50E-09	5.82E-09	2.05E-10	7.35E-10	9.40E-10	1.10E-10	3.41E-10	4.52E-10
2594	437827.9	3762412	1.33E-09	4.52E-09	5.84E-09	2.06E-10	7.38E-10	9.44E-10	1.11E-10	3.42E-10	4.53E-10
2595	437836.3	3762416	1.33E-09	4.53E-09	5.86E-09	2.07E-10	7.41E-10	9.47E-10	1.11E-10	3.44E-10	4.55E-10
2596	437844.8	3762419	1.33E-09	4.55E-09	5.88E-09	2.07E-10	7.43E-10	9.50E-10	1.12E-10	3.45E-10	4.56E-10
2597	437856.8	3762431	1.38E-09	4.70E-09	6.08E-09	2.14E-10	7.68E-10	9.83E-10	1.15E-10	3.56E-10	4.72E-10
2598	437860.4	3762440	1.42E-09	4.85E-09	6.28E-09	2.21E-10	7.93E-10	1.01E-09	1.19E-10	3.68E-10	4.87E-10
2599	437863.9	3762448	1.47E-09	5.01E-09	6.48E-09	2.28E-10	8.18E-10	1.05E-09	1.23E-10	3.79E-10	5.02E-10
2600	437867.4	3762457	1.52E-09	5.17E-09	6.68E-09	2.35E-10	8.44E-10	1.08E-09	1.27E-10	3.92E-10	5.18E-10
2601	437870.9	3762465	1.56E-09	5.33E-09	6.90E-09	2.43E-10	8.71E-10	1.11E-09	1.31E-10	4.04E-10	5.35E-10
2602	437874.4	3762474	1.61E-09	5.51E-09	7.12E-09	2.51E-10	8.99E-10	1.15E-09	1.35E-10	4.17E-10	5.52E-10
2603	437877.9	3762482	1.67E-09	5.68E-09	7.35E-09	2.59E-10	9.29E-10	1.19E-09	1.40E-10	4.31E-10	5.70E-10
2604	437881.4	3762491	1.72E-09	5.87E-09	7.59E-09	2.68E-10	9.59E-10	1.23E-09	1.44E-10	4.45E-10	5.89E-10
2605	437884.9	3762499	1.78E-09	6.06E-09	7.84E-09	2.76E-10	9.91E-10	1.27E-09	1.49E-10	4.59E-10	6.08E-10
2606	437888.4	3762508	1.84E-09	6.27E-09	8.10E-09	2.85E-10	1.02E-09	1.31E-09	1.54E-10	4.75E-10	6.29E-10
2607	437891.9	3762516	1.90E-09	6.47E-09	8.37E-09	2.95E-10	1.06E-09	1.35E-09	1.59E-10	4.91E-10	6.50E-10
2608	437895.4	3762525	1.96E-09	6.69E-09	8.66E-09	3.05E-10	1.09E-09	1.40E-09	1.64E-10	5.07E-10	6.71E-10
2609	437898.9	3762533	2.03E-09	6.92E-09	8.95E-09	3.15E-10	1.13E-09	1.45E-09	1.70E-10	5.24E-10	6.94E-10
2610	437902.5	3762542	2.10E-09	7.16E-09	9.26E-09	3.26E-10	1.17E-09	1.50E-09	1.76E-10	5.42E-10	7.18E-10
2611	437906	3762550	2.17E-09	7.40E-09	9.57E-09	3.37E-10	1.21E-09	1.55E-09	1.82E-10	5.61E-10	7.43E-10
2612	437909.5	3762559	2.25E-09	7.66E-09	9.90E-09	3.49E-10	1.25E-09	1.60E-09	1.88E-10	5.80E-10	7.68E-10
2613	437913	3762567	2.32E-09	7.92E-09	1.02E-08	3.61E-10	1.29E-09	1.65E-09	1.94E-10	6.00E-10	7.95E-10
2614	437916.5	3762576	2.40E-09	8.19E-09	1.06E-08	3.73E-10	1.34E-09	1.71E-09	2.01E-10	6.21E-10	8.22E-10
2615	437920	3762584	2.49E-09	8.48E-09	1.10E-08	3.86E-10	1.38E-09	1.77E-09	2.08E-10	6.42E-10	8.50E-10
2616	437923.5	3762593	2.57E-09	8.77E-09	1.13E-08	4.00E-10	1.43E-09	1.83E-09	2.15E-10	6.65E-10	8.80E-10
2617	437930.5	3762610	2.75E-09	9.38E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.11E-10	9.41E-10
2618	437934	3762618	2.84E-09	9.69E-09	1.25E-08	4.42E-10	1.58E-09	2.03E-09	2.38E-10	7.35E-10	9.73E-10
2619	437937.5	3762627	2.94E-09	1.00E-08	1.30E-08	4.56E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.00E-09

2620	437941.1	3762635	3.03E-09	1.03E-08	1.34E-08	4.71E-10	1.69E-09	2.16E-09	2.54E-10	7.83E-10	1.04E-09
2621	437546.7	3762300	8.17E-10	2.79E-09	3.60E-09	1.27E-10	4.55E-10	5.82E-10	6.84E-11	2.11E-10	2.79E-10
2622	437537.3	3762300	8.09E-10	2.76E-09	3.57E-09	1.26E-10	4.51E-10	5.77E-10	6.77E-11	2.09E-10	2.77E-10
2623	437527.9	3762300	8.02E-10	2.73E-09	3.54E-09	1.25E-10	4.47E-10	5.71E-10	6.71E-11	2.07E-10	2.74E-10
2624	437518.5	3762300	7.94E-10	2.71E-09	3.50E-09	1.23E-10	4.42E-10	5.66E-10	6.64E-11	2.05E-10	2.72E-10
2625	437509.2	3762300	7.86E-10	2.68E-09	3.47E-09	1.22E-10	4.38E-10	5.60E-10	6.58E-11	2.03E-10	2.69E-10
2626	437499.8	3762300	7.78E-10	2.65E-09	3.43E-09	1.21E-10	4.33E-10	5.54E-10	6.51E-11	2.01E-10	2.66E-10
2627	437490.4	3762300	7.70E-10	2.63E-09	3.40E-09	1.20E-10	4.29E-10	5.49E-10	6.45E-11	1.99E-10	2.63E-10
2628	437481	3762300	7.62E-10	2.60E-09	3.36E-09	1.18E-10	4.25E-10	5.43E-10	6.38E-11	1.97E-10	2.61E-10
2629	437471.6	3762300	7.54E-10	2.57E-09	3.33E-09	1.17E-10	4.20E-10	5.37E-10	6.31E-11	1.95E-10	2.58E-10
2630	437462.2	3762300	7.47E-10	2.55E-09	3.29E-09	1.16E-10	4.16E-10	5.32E-10	6.25E-11	1.93E-10	2.55E-10
2631	437452.8	3762300	7.39E-10	2.52E-09	3.26E-09	1.15E-10	4.12E-10	5.27E-10	6.19E-11	1.91E-10	2.53E-10
2632	437443.4	3762300	7.32E-10	2.50E-09	3.23E-09	1.14E-10	4.08E-10	5.22E-10	6.13E-11	1.89E-10	2.50E-10
2633	437581.9	3762280	7.73E-10	2.64E-09	3.41E-09	1.20E-10	4.31E-10	5.51E-10	6.47E-11	2.00E-10	2.64E-10
2634	437590.5	3762284	7.91E-10	2.70E-09	3.49E-09	1.23E-10	4.41E-10	5.64E-10	6.62E-11	2.04E-10	2.71E-10
2635	437599.1	3762288	8.09E-10	2.76E-09	3.57E-09	1.26E-10	4.51E-10	5.76E-10	6.77E-11	2.09E-10	2.77E-10
2636	437607.7	3762291	8.27E-10	2.82E-09	3.65E-09	1.29E-10	4.61E-10	5.89E-10	6.92E-11	2.14E-10	2.83E-10
2637	437616.4	3762295	8.45E-10	2.88E-09	3.73E-09	1.31E-10	4.71E-10	6.02E-10	7.07E-11	2.18E-10	2.89E-10
2638	437625	3762298	8.63E-10	2.94E-09	3.81E-09	1.34E-10	4.81E-10	6.15E-10	7.22E-11	2.23E-10	2.95E-10
2639	437633.6	3762302	8.81E-10	3.00E-09	3.88E-09	1.37E-10	4.91E-10	6.28E-10	7.37E-11	2.28E-10	3.01E-10
2640	437642.2	3762305	8.99E-10	3.06E-09	3.96E-09	1.40E-10	5.01E-10	6.40E-10	7.52E-11	2.32E-10	3.07E-10
2641	437650.8	3762309	9.16E-10	3.12E-09	4.04E-09	1.42E-10	5.10E-10	6.53E-10	7.67E-11	2.37E-10	3.13E-10
2642	437659.4	3762313	9.33E-10	3.18E-09	4.12E-09	1.45E-10	5.20E-10	6.65E-10	7.81E-11	2.41E-10	3.19E-10
2643	437668	3762316	9.50E-10	3.24E-09	4.19E-09	1.48E-10	5.29E-10	6.77E-10	7.95E-11	2.46E-10	3.25E-10
2644	437676.6	3762320	9.67E-10	3.30E-09	4.26E-09	1.50E-10	5.39E-10	6.89E-10	8.09E-11	2.50E-10	3.31E-10
2645	437685.2	3762323	9.83E-10	3.35E-09	4.33E-09	1.53E-10	5.48E-10	7.00E-10	8.23E-11	2.54E-10	3.36E-10
2646	437693.8	3762327	9.99E-10	3.41E-09	4.40E-09	1.55E-10	5.56E-10	7.11E-10	8.36E-11	2.58E-10	3.42E-10
2647	437702.4	3762330	1.01E-09	3.46E-09	4.47E-09	1.58E-10	5.65E-10	7.22E-10	8.49E-11	2.62E-10	3.47E-10
2648	437711	3762334	1.03E-09	3.51E-09	4.54E-09	1.60E-10	5.73E-10	7.33E-10	8.61E-11	2.66E-10	3.52E-10
2649	437719.6	3762338	1.04E-09	3.55E-09	4.60E-09	1.62E-10	5.81E-10	7.43E-10	8.73E-11	2.69E-10	3.57E-10
2650	437728.2	3762341	1.06E-09	3.60E-09	4.66E-09	1.64E-10	5.88E-10	7.52E-10	8.84E-11	2.73E-10	3.61E-10
2651	437736.9	3762345	1.07E-09	3.64E-09	4.71E-09	1.66E-10	5.95E-10	7.62E-10	8.95E-11	2.76E-10	3.66E-10
2652	437745.5	3762348	1.08E-09	3.69E-09	4.77E-09	1.68E-10	6.02E-10	7.70E-10	9.05E-11	2.79E-10	3.70E-10
2653	437754.1	3762352	1.09E-09	3.73E-09	4.82E-09	1.70E-10	6.09E-10	7.79E-10	9.15E-11	2.82E-10	3.74E-10
2654	437762.7	3762355	1.10E-09	3.76E-09	4.87E-09	1.71E-10	6.15E-10	7.86E-10	9.24E-11	2.85E-10	3.78E-10
2655	437771.3	3762359	1.11E-09	3.80E-09	4.91E-09	1.73E-10	6.21E-10	7.94E-10	9.32E-11	2.88E-10	3.81E-10
2656	437779.9	3762362	1.12E-09	3.83E-09	4.95E-09	1.75E-10	6.26E-10	8.00E-10	9.40E-11	2.90E-10	3.84E-10
2657	437788.5	3762366	1.13E-09	3.86E-09	4.99E-09	1.76E-10	6.31E-10	8.07E-10	9.48E-11	2.93E-10	3.87E-10
2658	437797.1	3762370	1.14E-09	3.89E-09	5.03E-09	1.77E-10	6.35E-10	8.13E-10	9.55E-11	2.95E-10	3.90E-10
2659	437805.7	3762373	1.15E-09	3.91E-09	5.06E-09	1.78E-10	6.40E-10	8.18E-10	9.61E-11	2.97E-10	3.93E-10
2660	437814.3	3762377	1.16E-09	3.94E-09	5.09E-09	1.79E-10	6.43E-10	8.23E-10	9.67E-11	2.98E-10	3.95E-10
2661	437822.9	3762380	1.16E-09	3.96E-09	5.12E-09	1.80E-10	6.47E-10	8.27E-10	9.72E-11	3.00E-10	3.97E-10
2662	437831.5	3762384	1.17E-09	3.98E-09	5.15E-09	1.81E-10	6.50E-10	8.31E-10	9.77E-11	3.02E-10	3.99E-10
2663	437840.1	3762387	1.17E-09	4.00E-09	5.17E-09	1.82E-10	6.53E-10	8.35E-10	9.81E-11	3.03E-10	4.01E-10
2664	437848.7	3762391	1.18E-09	4.01E-09	5.19E-09	1.83E-10	6.55E-10	8.38E-10	9.85E-11	3.04E-10	4.02E-10
2665	437857.3	3762395	1.18E-09	4.02E-09	5.21E-09	1.83E-10	6.57E-10	8.41E-10	9.88E-11	3.05E-10	4.04E-10
2666	437866	3762398	1.18E-09	4.04E-09	5.22E-09	1.84E-10	6.59E-10	8.43E-10	9.91E-11	3.06E-10	4.05E-10
2667	437878.1	3762410	1.22E-09	4.17E-09	5.39E-09	1.90E-10	6.81E-10	8.70E-10	1.02E-10	3.16E-10	4.18E-10
2668	437881.7	3762419	1.26E-09	4.29E-09	5.55E-09	1.96E-10	7.01E-10	8.96E-10	1.05E-10	3.25E-10	4.30E-10
2669	437885.2	3762428	1.30E-09	4.42E-09	5.72E-09	2.01E-10	7.22E-10	9.23E-10	1.08E-10	3.35E-10	4.43E-10
2670	437888.8	3762436	1.34E-09	4.55E-09	5.89E-09	2.08E-10	7.44E-10	9.51E-10	1.12E-10	3.45E-10	4.57E-10
2671	437892.3	3762445	1.38E-09	4.69E-09	6.07E-09	2.14E-10	7.66E-10	9.80E-10	1.15E-10	3.56E-10	4.71E-10
2672	437895.9	3762453	1.42E-09	4.83E-09	6.25E-09	2.20E-10	7.90E-10	1.01E-09	1.19E-10	3.66E-10	4.85E-10
2673	437899.5	3762462	1.46E-09	4.98E-09	6.44E-09	2.27E-10	8.14E-10	1.04E-09	1.22E-10	3.78E-10	5.00E-10
2674	437903	3762471	1.51E-09	5.14E-09	6.64E-09	2.34E-10	8.39E-10	1.07E-09	1.26E-10	3.89E-10	5.15E-10
2675	437906.6	3762479	1.55E-09	5.30E-09	6.85E-09	2.41E-10	8.65E-10	1.11E-09	1.30E-10	4.01E-10	5.31E-10
2676	437910.1	3762488	1.60E-09	5.46E-09	7.06E-09	2.49E-10	8.92E-10	1.14E-09	1.34E-10	4.14E-10	5.48E-10
2677	437913.7	3762496	1.65E-09	5.63E-09	7.29E-09	2.57E-10	9.20E-10	1.18E-09	1.38E-10	4.27E-10	5.65E-10
2678	437917.2	3762505	1.70E-09	5.81E-09	7.52E-09	2.65E-10	9.50E-10	1.21E-09	1.43E-10	4.40E-10	5.83E-10
2679	437920.8	3762514	1.76E-09	6.00E-09	7.76E-09	2.73E-10	9.80E-10	1.25E-09	1.47E-10	4.55E-10	6.02E-10
2680	437924.3	3762522	1.82E-09	6.19E-09	8.01E-09	2.82E-10	1.01E-09	1.29E-09	1.52E-10	4.69E-10	6.21E-10

2681	437927.9	3762531	1.87E-09	6.39E-09	8.27E-09	2.91E-10	1.04E-09	1.34E-09	1.57E-10	4.84E-10	6.41E-10
2682	437931.5	3762540	1.94E-09	6.60E-09	8.54E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.00E-10	6.62E-10
2683	437935	3762548	2.00E-09	6.82E-09	8.82E-09	3.11E-10	1.11E-09	1.42E-09	1.67E-10	5.17E-10	6.84E-10
2684	437938.6	3762557	2.06E-09	7.04E-09	9.10E-09	3.21E-10	1.15E-09	1.47E-09	1.73E-10	5.33E-10	7.06E-10
2685	437995.5	3762695	3.32E-09	1.13E-08	1.46E-08	5.16E-10	1.85E-09	2.37E-09	2.78E-10	8.58E-10	1.14E-09
2686	437999	3762703	3.40E-09	1.16E-08	1.50E-08	5.28E-10	1.89E-09	2.42E-09	2.84E-10	8.78E-10	1.16E-09
2687	438002.6	3762712	3.47E-09	1.18E-08	1.53E-08	5.39E-10	1.93E-09	2.47E-09	2.90E-10	8.97E-10	1.19E-09
2688	437546.7	3762270	7.14E-10	2.44E-09	3.15E-09	1.11E-10	3.98E-10	5.09E-10	5.98E-11	1.85E-10	2.44E-10
2689	437537.3	3762270	7.08E-10	2.41E-09	3.12E-09	1.10E-10	3.94E-10	5.04E-10	5.93E-11	1.83E-10	2.42E-10
2690	437527.9	3762270	7.01E-10	2.39E-09	3.09E-09	1.09E-10	3.91E-10	5.00E-10	5.87E-11	1.81E-10	2.40E-10
2691	437518.5	3762270	6.95E-10	2.37E-09	3.06E-09	1.08E-10	3.87E-10	4.95E-10	5.81E-11	1.79E-10	2.38E-10
2692	437509.2	3762270	6.88E-10	2.35E-09	3.03E-09	1.07E-10	3.83E-10	4.90E-10	5.76E-11	1.78E-10	2.35E-10
2693	437499.8	3762270	6.81E-10	2.32E-09	3.00E-09	1.06E-10	3.79E-10	4.85E-10	5.70E-11	1.76E-10	2.33E-10
2694	437490.4	3762270	6.74E-10	2.30E-09	2.97E-09	1.05E-10	3.76E-10	4.80E-10	5.64E-11	1.74E-10	2.31E-10
2695	437481	3762270	6.68E-10	2.28E-09	2.94E-09	1.04E-10	3.72E-10	4.76E-10	5.59E-11	1.73E-10	2.28E-10
2696	437471.6	3762270	6.61E-10	2.25E-09	2.92E-09	1.03E-10	3.68E-10	4.71E-10	5.53E-11	1.71E-10	2.26E-10
2697	437462.2	3762270	6.55E-10	2.23E-09	2.89E-09	1.02E-10	3.65E-10	4.66E-10	5.48E-11	1.69E-10	2.24E-10
2698	437452.8	3762270	6.48E-10	2.21E-09	2.86E-09	1.01E-10	3.61E-10	4.62E-10	5.43E-11	1.68E-10	2.22E-10
2699	437443.4	3762270	6.42E-10	2.19E-09	2.83E-09	9.98E-11	3.58E-10	4.58E-10	5.38E-11	1.66E-10	2.20E-10
2700	437649.5	3762278	8.01E-10	2.73E-09	3.53E-09	1.24E-10	4.46E-10	5.70E-10	6.70E-11	2.07E-10	2.74E-10
2701	437658	3762282	8.15E-10	2.78E-09	3.60E-09	1.27E-10	4.54E-10	5.81E-10	6.82E-11	2.11E-10	2.79E-10
2702	437666.5	3762285	8.30E-10	2.83E-09	3.66E-09	1.29E-10	4.62E-10	5.91E-10	6.95E-11	2.14E-10	2.84E-10
2703	437675	3762289	8.44E-10	2.88E-09	3.72E-09	1.31E-10	4.70E-10	6.01E-10	7.07E-11	2.18E-10	2.89E-10
2704	437683.5	3762293	8.58E-10	2.93E-09	3.78E-09	1.33E-10	4.78E-10	6.11E-10	7.18E-11	2.22E-10	2.94E-10
2705	437692	3762296	8.72E-10	2.97E-09	3.84E-09	1.35E-10	4.86E-10	6.21E-10	7.30E-11	2.25E-10	2.98E-10
2706	437700.5	3762300	8.85E-10	3.02E-09	3.90E-09	1.38E-10	4.93E-10	6.31E-10	7.41E-11	2.29E-10	3.03E-10
2707	437709	3762303	8.98E-10	3.06E-09	3.96E-09	1.40E-10	5.00E-10	6.40E-10	7.52E-11	2.32E-10	3.07E-10
2708	437717.5	3762307	9.11E-10	3.11E-09	4.02E-09	1.42E-10	5.07E-10	6.49E-10	7.62E-11	2.35E-10	3.12E-10
2709	437725.9	3762310	9.23E-10	3.15E-09	4.07E-09	1.43E-10	5.14E-10	6.58E-10	7.72E-11	2.38E-10	3.16E-10
2710	437734.4	3762314	9.35E-10	3.19E-09	4.12E-09	1.45E-10	5.21E-10	6.66E-10	7.82E-11	2.41E-10	3.20E-10
2711	437742.9	3762317	9.46E-10	3.23E-09	4.17E-09	1.47E-10	5.27E-10	6.74E-10	7.92E-11	2.44E-10	3.24E-10
2712	437751.4	3762321	9.57E-10	3.26E-09	4.22E-09	1.49E-10	5.33E-10	6.81E-10	8.01E-11	2.47E-10	3.27E-10
2713	437759.9	3762324	9.67E-10	3.30E-09	4.26E-09	1.50E-10	5.39E-10	6.89E-10	8.09E-11	2.50E-10	3.31E-10
2714	437768.4	3762328	9.77E-10	3.33E-09	4.31E-09	1.52E-10	5.44E-10	6.96E-10	8.17E-11	2.52E-10	3.34E-10
2715	437776.9	3762331	9.86E-10	3.36E-09	4.35E-09	1.53E-10	5.49E-10	7.02E-10	8.25E-11	2.55E-10	3.37E-10
2716	437785.4	3762335	9.94E-10	3.39E-09	4.39E-09	1.55E-10	5.54E-10	7.08E-10	8.32E-11	2.57E-10	3.40E-10
2717	437793.9	3762338	1.00E-09	3.42E-09	4.42E-09	1.56E-10	5.59E-10	7.14E-10	8.39E-11	2.59E-10	3.43E-10
2718	437802.4	3762342	1.01E-09	3.44E-09	4.46E-09	1.57E-10	5.63E-10	7.20E-10	8.46E-11	2.61E-10	3.46E-10
2719	437810.9	3762345	1.02E-09	3.47E-09	4.49E-09	1.58E-10	5.67E-10	7.25E-10	8.52E-11	2.63E-10	3.48E-10
2720	437819.4	3762349	1.02E-09	3.49E-09	4.52E-09	1.59E-10	5.70E-10	7.30E-10	8.57E-11	2.65E-10	3.50E-10
2721	437827.9	3762352	1.03E-09	3.51E-09	4.54E-09	1.60E-10	5.74E-10	7.34E-10	8.62E-11	2.66E-10	3.52E-10
2722	437836.3	3762356	1.04E-09	3.53E-09	4.57E-09	1.61E-10	5.77E-10	7.38E-10	8.67E-11	2.68E-10	3.54E-10
2723	437844.8	3762359	1.04E-09	3.55E-09	4.59E-09	1.62E-10	5.80E-10	7.41E-10	8.71E-11	2.69E-10	3.56E-10
2724	437853.3	3762363	1.05E-09	3.56E-09	4.61E-09	1.62E-10	5.82E-10	7.45E-10	8.75E-11	2.70E-10	3.58E-10
2725	437861.8	3762366	1.05E-09	3.58E-09	4.63E-09	1.63E-10	5.84E-10	7.48E-10	8.78E-11	2.71E-10	3.59E-10
2726	437870.3	3762370	1.05E-09	3.59E-09	4.64E-09	1.64E-10	5.86E-10	7.50E-10	8.81E-11	2.72E-10	3.60E-10
2727	437878.8	3762374	1.06E-09	3.60E-09	4.66E-09	1.64E-10	5.88E-10	7.52E-10	8.84E-11	2.73E-10	3.61E-10
2728	437887.3	3762377	1.06E-09	3.61E-09	4.67E-09	1.64E-10	5.90E-10	7.54E-10	8.86E-11	2.73E-10	3.62E-10
2729	437899.3	3762389	1.09E-09	3.72E-09	4.81E-09	1.69E-10	6.07E-10	7.76E-10	9.12E-11	2.82E-10	3.73E-10
2730	437902.8	3762398	1.12E-09	3.82E-09	4.94E-09	1.74E-10	6.24E-10	7.98E-10	9.37E-11	2.89E-10	3.83E-10
2731	437906.3	3762406	1.15E-09	3.92E-09	5.08E-09	1.79E-10	6.41E-10	8.20E-10	9.63E-11	2.97E-10	3.94E-10
2732	437909.8	3762415	1.18E-09	4.03E-09	5.22E-09	1.84E-10	6.59E-10	8.43E-10	9.90E-11	3.06E-10	4.05E-10
2733	437913.3	3762423	1.22E-09	4.15E-09	5.36E-09	1.89E-10	6.77E-10	8.66E-10	1.02E-10	3.14E-10	4.16E-10
2734	437916.8	3762432	1.25E-09	4.26E-09	5.51E-09	1.94E-10	6.96E-10	8.91E-10	1.05E-10	3.23E-10	4.28E-10
2735	437920.4	3762440	1.29E-09	4.38E-09	5.67E-09	2.00E-10	7.16E-10	9.16E-10	1.08E-10	3.32E-10	4.40E-10
2736	437923.9	3762449	1.32E-09	4.51E-09	5.83E-09	2.05E-10	7.36E-10	9.42E-10	1.11E-10	3.42E-10	4.52E-10
2737	437927.4	3762457	1.36E-09	4.64E-09	6.00E-09	2.11E-10	7.57E-10	9.69E-10	1.14E-10	3.51E-10	4.65E-10
2738	437930.9	3762466	1.40E-09	4.77E-09	6.17E-09	2.17E-10	7.79E-10	9.96E-10	1.17E-10	3.61E-10	4.78E-10
2739	437934.4	3762474	1.44E-09	4.91E-09	6.35E-09	2.24E-10	8.02E-10	1.03E-09	1.20E-10	3.72E-10	4.92E-10
2740	437937.9	3762483	1.48E-09	5.05E-09	6.53E-09	2.30E-10	8.25E-10	1.06E-09	1.24E-10	3.83E-10	5.07E-10
2741	437941.4	3762491	1.52E-09	5.20E-09	6.72E-09	2.37E-10	8.49E-10	1.09E-09	1.28E-10	3.94E-10	5.21E-10

2742	437944.9	3762500	1.57E-09	5.35E-09	6.92E-09	2.44E-10	8.74E-10	1.12E-09	1.31E-10	4.06E-10	5.37E-10
2743	437994	3762618	2.39E-09	8.15E-09	1.05E-08	3.71E-10	1.33E-09	1.70E-09	2.00E-10	6.17E-10	8.17E-10
2744	437997.5	3762627	2.46E-09	8.38E-09	1.08E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.35E-10	8.41E-10
2745	438001.1	3762635	2.53E-09	8.62E-09	1.11E-08	3.93E-10	1.41E-09	1.80E-09	2.12E-10	6.53E-10	8.65E-10
2746	438004.6	3762644	2.60E-09	8.86E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.17E-10	6.71E-10	8.88E-10
2747	438008.1	3762652	2.67E-09	9.09E-09	1.18E-08	4.14E-10	1.49E-09	1.90E-09	2.23E-10	6.89E-10	9.12E-10
2748	438011.6	3762661	2.74E-09	9.33E-09	1.21E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.07E-10	9.36E-10
2749	438015.1	3762669	2.80E-09	9.56E-09	1.24E-08	4.36E-10	1.56E-09	2.00E-09	2.35E-10	7.25E-10	9.59E-10
2750	438018.6	3762678	2.87E-09	9.79E-09	1.27E-08	4.46E-10	1.60E-09	2.05E-09	2.40E-10	7.42E-10	9.82E-10
2751	438022.1	3762686	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.01E-09
2752	438025.6	3762695	3.00E-09	1.02E-08	1.32E-08	4.67E-10	1.67E-09	2.14E-09	2.51E-10	7.76E-10	1.03E-09
2753	438029.1	3762703	3.07E-09	1.05E-08	1.35E-08	4.76E-10	1.71E-09	2.18E-09	2.57E-10	7.92E-10	1.05E-09
2754	438032.6	3762712	3.13E-09	1.07E-08	1.38E-08	4.86E-10	1.74E-09	2.23E-09	2.62E-10	8.08E-10	1.07E-09
2755	437546.7	3762240	6.31E-10	2.15E-09	2.78E-09	9.80E-11	3.51E-10	4.49E-10	5.28E-11	1.63E-10	2.16E-10
2756	437537.3	3762240	6.25E-10	2.13E-09	2.76E-09	9.71E-11	3.48E-10	4.45E-10	5.23E-11	1.62E-10	2.14E-10
2757	437527.9	3762240	6.19E-10	2.11E-09	2.73E-09	9.62E-11	3.45E-10	4.41E-10	5.18E-11	1.60E-10	2.12E-10
2758	437518.5	3762240	6.13E-10	2.09E-09	2.71E-09	9.53E-11	3.42E-10	4.37E-10	5.13E-11	1.59E-10	2.10E-10
2759	437509.1	3762240	6.08E-10	2.07E-09	2.68E-09	9.44E-11	3.38E-10	4.33E-10	5.09E-11	1.57E-10	2.08E-10
2760	437499.8	3762240	6.02E-10	2.05E-09	2.65E-09	9.35E-11	3.35E-10	4.29E-10	5.04E-11	1.56E-10	2.06E-10
2761	437490.4	3762240	5.96E-10	2.03E-09	2.63E-09	9.26E-11	3.32E-10	4.25E-10	4.99E-11	1.54E-10	2.04E-10
2762	437481	3762240	5.90E-10	2.01E-09	2.60E-09	9.17E-11	3.29E-10	4.21E-10	4.94E-11	1.53E-10	2.02E-10
2763	437471.6	3762240	5.85E-10	1.99E-09	2.58E-09	9.09E-11	3.26E-10	4.17E-10	4.89E-11	1.51E-10	2.00E-10
2764	437462.2	3762240	5.79E-10	1.98E-09	2.55E-09	9.00E-11	3.23E-10	4.13E-10	4.85E-11	1.50E-10	1.98E-10
2765	437452.8	3762240	5.74E-10	1.96E-09	2.53E-09	8.92E-11	3.20E-10	4.09E-10	4.80E-11	1.48E-10	1.96E-10
2766	437443.4	3762240	5.69E-10	1.94E-09	2.51E-09	8.84E-11	3.17E-10	4.05E-10	4.76E-11	1.47E-10	1.95E-10
2767	437719.4	3762277	8.07E-10	2.75E-09	3.56E-09	1.25E-10	4.49E-10	5.75E-10	6.75E-11	2.08E-10	2.76E-10
2768	437728	3762281	8.18E-10	2.79E-09	3.61E-09	1.27E-10	4.55E-10	5.82E-10	6.84E-11	2.11E-10	2.80E-10
2769	437736.6	3762285	8.28E-10	2.82E-09	3.65E-09	1.29E-10	4.61E-10	5.90E-10	6.93E-11	2.14E-10	2.83E-10
2770	437745.2	3762288	8.39E-10	2.86E-09	3.70E-09	1.30E-10	4.67E-10	5.97E-10	7.02E-11	2.17E-10	2.87E-10
2771	437753.7	3762292	8.49E-10	2.89E-09	3.74E-09	1.32E-10	4.73E-10	6.05E-10	7.10E-11	2.19E-10	2.90E-10
2772	437762.3	3762295	8.58E-10	2.93E-09	3.78E-09	1.33E-10	4.78E-10	6.11E-10	7.18E-11	2.22E-10	2.94E-10
2773	437770.9	3762299	8.67E-10	2.96E-09	3.82E-09	1.35E-10	4.83E-10	6.18E-10	7.26E-11	2.24E-10	2.97E-10
2774	437779.5	3762302	8.76E-10	2.99E-09	3.86E-09	1.36E-10	4.88E-10	6.24E-10	7.33E-11	2.26E-10	3.00E-10
2775	437788.1	3762306	8.84E-10	3.01E-09	3.90E-09	1.37E-10	4.92E-10	6.30E-10	7.40E-11	2.28E-10	3.02E-10
2776	437796.7	3762309	8.92E-10	3.04E-09	3.93E-09	1.39E-10	4.97E-10	6.35E-10	7.46E-11	2.30E-10	3.05E-10
2777	437805.3	3762313	8.99E-10	3.07E-09	3.96E-09	1.40E-10	5.01E-10	6.40E-10	7.52E-11	2.32E-10	3.08E-10
2778	437813.9	3762317	9.06E-10	3.09E-09	3.99E-09	1.41E-10	5.05E-10	6.45E-10	7.58E-11	2.34E-10	3.10E-10
2779	437822.5	3762320	9.12E-10	3.11E-09	4.02E-09	1.42E-10	5.08E-10	6.50E-10	7.64E-11	2.36E-10	3.12E-10
2780	437831.1	3762324	9.18E-10	3.13E-09	4.05E-09	1.43E-10	5.11E-10	6.54E-10	7.69E-11	2.37E-10	3.14E-10
2781	437839.7	3762327	9.24E-10	3.15E-09	4.07E-09	1.44E-10	5.15E-10	6.58E-10	7.73E-11	2.39E-10	3.16E-10
2782	437848.3	3762331	9.29E-10	3.17E-09	4.10E-09	1.44E-10	5.17E-10	6.62E-10	7.78E-11	2.40E-10	3.18E-10
2783	437856.9	3762334	9.34E-10	3.18E-09	4.12E-09	1.45E-10	5.20E-10	6.65E-10	7.81E-11	2.41E-10	3.19E-10
2784	437865.5	3762338	9.38E-10	3.20E-09	4.14E-09	1.46E-10	5.22E-10	6.68E-10	7.85E-11	2.42E-10	3.21E-10
2785	437874	3762342	9.42E-10	3.21E-09	4.15E-09	1.46E-10	5.25E-10	6.71E-10	7.88E-11	2.43E-10	3.22E-10
2786	437882.6	3762345	9.45E-10	3.22E-09	4.17E-09	1.47E-10	5.26E-10	6.73E-10	7.91E-11	2.44E-10	3.23E-10
2787	437891.2	3762349	9.48E-10	3.23E-09	4.18E-09	1.47E-10	5.28E-10	6.76E-10	7.94E-11	2.45E-10	3.24E-10
2788	437899.8	3762352	9.51E-10	3.24E-09	4.19E-09	1.48E-10	5.30E-10	6.77E-10	7.96E-11	2.46E-10	3.25E-10
2789	437908.4	3762356	9.53E-10	3.25E-09	4.20E-09	1.48E-10	5.31E-10	6.79E-10	7.98E-11	2.46E-10	3.26E-10
2790	437920.6	3762368	9.80E-10	3.34E-09	4.32E-09	1.52E-10	5.46E-10	6.98E-10	8.20E-11	2.53E-10	3.35E-10
2791	437924.1	3762377	1.01E-09	3.43E-09	4.43E-09	1.56E-10	5.60E-10	7.16E-10	8.42E-11	2.60E-10	3.44E-10
2792	437927.7	3762385	1.03E-09	3.52E-09	4.55E-09	1.60E-10	5.75E-10	7.35E-10	8.64E-11	2.67E-10	3.53E-10
2793	437931.2	3762394	1.06E-09	3.61E-09	4.67E-09	1.65E-10	5.90E-10	7.55E-10	8.86E-11	2.74E-10	3.62E-10
2794	437934.8	3762402	1.09E-09	3.71E-09	4.79E-09	1.69E-10	6.06E-10	7.75E-10	9.10E-11	2.81E-10	3.72E-10
2795	437938.3	3762411	1.12E-09	3.81E-09	4.92E-09	1.73E-10	6.22E-10	7.95E-10	9.34E-11	2.88E-10	3.82E-10
2796	437941.9	3762420	1.15E-09	3.91E-09	5.05E-09	1.78E-10	6.38E-10	8.16E-10	9.59E-11	2.96E-10	3.92E-10
2797	437945.4	3762428	1.18E-09	4.01E-09	5.19E-09	1.83E-10	6.55E-10	8.38E-10	9.85E-11	3.04E-10	4.02E-10
2798	437949	3762437	1.21E-09	4.12E-09	5.33E-09	1.88E-10	6.73E-10	8.61E-10	1.01E-10	3.12E-10	4.13E-10
2799	437952.5	3762445	1.24E-09	4.23E-09	5.47E-09	1.93E-10	6.91E-10	8.84E-10	1.04E-10	3.21E-10	4.25E-10
2800	437956.1	3762454	1.27E-09	4.35E-09	5.62E-09	1.98E-10	7.10E-10	9.08E-10	1.07E-10	3.29E-10	4.36E-10
2801	438005.8	3762574	1.90E-09	6.48E-09	8.38E-09	2.95E-10	1.06E-09	1.35E-09	1.59E-10	4.91E-10	6.50E-10
2802	438009.3	3762583	1.96E-09	6.67E-09	8.63E-09	3.04E-10	1.09E-09	1.39E-09	1.64E-10	5.06E-10	6.69E-10

2803	438012.9	3762591	2.01E-09	6.87E-09	8.88E-09	3.13E-10	1.12E-09	1.43E-09	1.69E-10	5.20E-10	6.89E-10
2804	438016.4	3762600	2.07E-09	7.07E-09	9.14E-09	3.22E-10	1.15E-09	1.48E-09	1.73E-10	5.35E-10	7.09E-10
2805	438020	3762609	2.13E-09	7.27E-09	9.40E-09	3.31E-10	1.19E-09	1.52E-09	1.78E-10	5.51E-10	7.29E-10
2806	438023.5	3762617	2.19E-09	7.47E-09	9.66E-09	3.40E-10	1.22E-09	1.56E-09	1.83E-10	5.66E-10	7.49E-10
2807	438027.1	3762626	2.25E-09	7.67E-09	9.92E-09	3.50E-10	1.25E-09	1.60E-09	1.88E-10	5.82E-10	7.70E-10
2808	438030.6	3762634	2.31E-09	7.88E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.93E-10	5.97E-10	7.91E-10
2809	438034.2	3762643	2.37E-09	8.09E-09	1.05E-08	3.68E-10	1.32E-09	1.69E-09	1.98E-10	6.13E-10	8.11E-10
2810	438037.7	3762652	2.43E-09	8.29E-09	1.07E-08	3.78E-10	1.35E-09	1.73E-09	2.04E-10	6.28E-10	8.32E-10
2811	438041.3	3762660	2.49E-09	8.50E-09	1.10E-08	3.87E-10	1.39E-09	1.78E-09	2.09E-10	6.44E-10	8.53E-10
2812	438044.8	3762669	2.55E-09	8.70E-09	1.13E-08	3.96E-10	1.42E-09	1.82E-09	2.14E-10	6.59E-10	8.73E-10
2813	438048.4	3762677	2.61E-09	8.90E-09	1.15E-08	4.06E-10	1.45E-09	1.86E-09	2.18E-10	6.74E-10	8.93E-10
2814	438051.9	3762686	2.67E-09	9.10E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.23E-10	6.89E-10	9.13E-10
2815	438055.5	3762695	2.72E-09	9.29E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.04E-10	9.32E-10
2816	438059	3762703	2.78E-09	9.47E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.50E-10
2817	438062.6	3762712	2.83E-09	9.65E-09	1.25E-08	4.40E-10	1.58E-09	2.02E-09	2.37E-10	7.32E-10	9.68E-10
2818	437546.7	3762210	5.62E-10	1.92E-09	2.48E-09	8.73E-11	3.13E-10	4.00E-10	4.70E-11	1.45E-10	1.92E-10
2819	437537.3	3762210	5.56E-10	1.90E-09	2.45E-09	8.65E-11	3.10E-10	3.96E-10	4.66E-11	1.44E-10	1.90E-10
2820	437527.9	3762210	5.51E-10	1.88E-09	2.43E-09	8.56E-11	3.07E-10	3.93E-10	4.61E-11	1.42E-10	1.89E-10
2821	437518.5	3762210	5.46E-10	1.86E-09	2.41E-09	8.48E-11	3.04E-10	3.89E-10	4.57E-11	1.41E-10	1.87E-10
2822	437509.1	3762210	5.41E-10	1.84E-09	2.39E-09	8.41E-11	3.01E-10	3.85E-10	4.53E-11	1.40E-10	1.85E-10
2823	437499.8	3762210	5.36E-10	1.83E-09	2.36E-09	8.33E-11	2.99E-10	3.82E-10	4.49E-11	1.38E-10	1.83E-10
2824	437490.4	3762210	5.31E-10	1.81E-09	2.34E-09	8.25E-11	2.96E-10	3.78E-10	4.44E-11	1.37E-10	1.82E-10
2825	437481	3762210	5.26E-10	1.79E-09	2.32E-09	8.17E-11	2.93E-10	3.75E-10	4.40E-11	1.36E-10	1.80E-10
2826	437471.6	3762210	5.21E-10	1.78E-09	2.30E-09	8.10E-11	2.90E-10	3.71E-10	4.36E-11	1.35E-10	1.78E-10
2827	437462.2	3762210	5.17E-10	1.76E-09	2.28E-09	8.03E-11	2.88E-10	3.68E-10	4.32E-11	1.33E-10	1.77E-10
2828	437452.8	3762210	5.12E-10	1.75E-09	2.26E-09	7.96E-11	2.85E-10	3.65E-10	4.29E-11	1.32E-10	1.75E-10
2829	437443.4	3762210	5.08E-10	1.73E-09	2.24E-09	7.89E-11	2.83E-10	3.62E-10	4.25E-11	1.31E-10	1.74E-10
2830	437793.9	3762278	7.93E-10	2.70E-09	3.50E-09	1.23E-10	4.42E-10	5.65E-10	6.64E-11	2.05E-10	2.71E-10
2831	437802.4	3762282	8.00E-10	2.73E-09	3.53E-09	1.24E-10	4.46E-10	5.70E-10	6.70E-11	2.07E-10	2.74E-10
2832	437810.9	3762285	8.07E-10	2.75E-09	3.56E-09	1.25E-10	4.49E-10	5.75E-10	6.75E-11	2.08E-10	2.76E-10
2833	437819.4	3762289	8.13E-10	2.77E-09	3.59E-09	1.26E-10	4.53E-10	5.79E-10	6.81E-11	2.10E-10	2.78E-10
2834	437827.8	3762292	8.19E-10	2.79E-09	3.61E-09	1.27E-10	4.56E-10	5.84E-10	6.86E-11	2.12E-10	2.80E-10
2835	437836.3	3762296	8.25E-10	2.81E-09	3.64E-09	1.28E-10	4.59E-10	5.88E-10	6.90E-11	2.13E-10	2.82E-10
2836	437844.8	3762299	8.30E-10	2.83E-09	3.66E-09	1.29E-10	4.62E-10	5.91E-10	6.95E-11	2.14E-10	2.84E-10
2837	437853.3	3762303	8.35E-10	2.85E-09	3.68E-09	1.30E-10	4.65E-10	5.95E-10	6.99E-11	2.16E-10	2.86E-10
2838	437861.8	3762306	8.39E-10	2.86E-09	3.70E-09	1.30E-10	4.68E-10	5.98E-10	7.03E-11	2.17E-10	2.87E-10
2839	437870.3	3762310	8.44E-10	2.88E-09	3.72E-09	1.31E-10	4.70E-10	6.01E-10	7.06E-11	2.18E-10	2.89E-10
2840	437878.8	3762314	8.47E-10	2.89E-09	3.74E-09	1.32E-10	4.72E-10	6.04E-10	7.09E-11	2.19E-10	2.90E-10
2841	437887.3	3762317	8.51E-10	2.90E-09	3.75E-09	1.32E-10	4.74E-10	6.06E-10	7.12E-11	2.20E-10	2.91E-10
2842	437895.8	3762321	8.54E-10	2.91E-09	3.77E-09	1.33E-10	4.76E-10	6.09E-10	7.15E-11	2.21E-10	2.92E-10
2843	437904.3	3762324	8.57E-10	2.92E-09	3.78E-09	1.33E-10	4.77E-10	6.11E-10	7.17E-11	2.21E-10	2.93E-10
2844	437912.8	3762328	8.60E-10	2.93E-09	3.79E-09	1.34E-10	4.79E-10	6.12E-10	7.19E-11	2.22E-10	2.94E-10
2845	437921.3	3762331	8.62E-10	2.94E-09	3.80E-09	1.34E-10	4.80E-10	6.14E-10	7.21E-11	2.23E-10	2.95E-10
2846	437929.8	3762335	8.64E-10	2.94E-09	3.81E-09	1.34E-10	4.81E-10	6.15E-10	7.23E-11	2.23E-10	2.95E-10
2847	437941.8	3762347	8.86E-10	3.02E-09	3.91E-09	1.38E-10	4.94E-10	6.31E-10	7.42E-11	2.29E-10	3.03E-10
2848	437945.3	3762355	9.08E-10	3.10E-09	4.00E-09	1.41E-10	5.06E-10	6.47E-10	7.60E-11	2.35E-10	3.11E-10
2849	437948.8	3762364	9.30E-10	3.17E-09	4.10E-09	1.44E-10	5.18E-10	6.62E-10	7.78E-11	2.40E-10	3.18E-10
2850	437952.3	3762372	9.53E-10	3.25E-09	4.20E-09	1.48E-10	5.31E-10	6.79E-10	7.97E-11	2.46E-10	3.26E-10
2851	437955.8	3762381	9.76E-10	3.33E-09	4.30E-09	1.52E-10	5.44E-10	6.95E-10	8.17E-11	2.52E-10	3.34E-10
2852	437983.9	3762449	1.19E-09	4.06E-09	5.24E-09	1.85E-10	6.62E-10	8.47E-10	9.95E-11	3.07E-10	4.07E-10
2853	437987.4	3762457	1.22E-09	4.16E-09	5.38E-09	1.90E-10	6.80E-10	8.69E-10	1.02E-10	3.15E-10	4.17E-10
2854	437990.9	3762466	1.25E-09	4.27E-09	5.52E-09	1.95E-10	6.97E-10	8.92E-10	1.05E-10	3.23E-10	4.28E-10
2855	437994.4	3762474	1.28E-09	4.38E-09	5.67E-09	2.00E-10	7.16E-10	9.15E-10	1.08E-10	3.32E-10	4.40E-10
2856	437997.9	3762483	1.32E-09	4.50E-09	5.82E-09	2.05E-10	7.35E-10	9.40E-10	1.10E-10	3.41E-10	4.51E-10
2857	438001.4	3762491	1.35E-09	4.62E-09	5.97E-09	2.10E-10	7.55E-10	9.65E-10	1.13E-10	3.50E-10	4.63E-10
2858	438004.9	3762500	1.39E-09	4.74E-09	6.14E-09	2.16E-10	7.75E-10	9.91E-10	1.16E-10	3.60E-10	4.76E-10
2859	438008.4	3762508	1.43E-09	4.87E-09	6.30E-09	2.22E-10	7.96E-10	1.02E-09	1.20E-10	3.69E-10	4.89E-10
2860	438011.9	3762517	1.47E-09	5.01E-09	6.48E-09	2.28E-10	8.18E-10	1.05E-09	1.23E-10	3.80E-10	5.02E-10
2861	438015.4	3762525	1.51E-09	5.15E-09	6.66E-09	2.35E-10	8.41E-10	1.08E-09	1.26E-10	3.90E-10	5.16E-10
2862	438018.9	3762534	1.55E-09	5.29E-09	6.84E-09	2.41E-10	8.64E-10	1.11E-09	1.30E-10	4.01E-10	5.31E-10
2863	438022.5	3762542	1.59E-09	5.44E-09	7.03E-09	2.48E-10	8.88E-10	1.14E-09	1.33E-10	4.12E-10	5.46E-10

2864	438026	3762551	1.64E-09	5.59E-09	7.23E-09	2.55E-10	9.13E-10	1.17E-09	1.37E-10	4.24E-10	5.61E-10
2865	438029.5	3762559	1.68E-09	5.74E-09	7.43E-09	2.62E-10	9.38E-10	1.20E-09	1.41E-10	4.35E-10	5.76E-10
2866	438033	3762568	1.73E-09	5.90E-09	7.63E-09	2.69E-10	9.64E-10	1.23E-09	1.45E-10	4.47E-10	5.92E-10
2867	438036.5	3762576	1.78E-09	6.07E-09	7.84E-09	2.76E-10	9.91E-10	1.27E-09	1.49E-10	4.60E-10	6.09E-10
2868	438040	3762585	1.83E-09	6.23E-09	8.06E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.72E-10	6.25E-10
2869	438043.5	3762593	1.88E-09	6.40E-09	8.28E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.85E-10	6.42E-10
2870	438047	3762602	1.93E-09	6.57E-09	8.50E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.98E-10	6.59E-10
2871	438050.5	3762610	1.98E-09	6.75E-09	8.72E-09	3.07E-10	1.10E-09	1.41E-09	1.66E-10	5.11E-10	6.77E-10
2872	438054	3762619	2.03E-09	6.92E-09	8.95E-09	3.15E-10	1.13E-09	1.45E-09	1.70E-10	5.24E-10	6.94E-10
2873	438057.5	3762627	2.08E-09	7.10E-09	9.18E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.38E-10	7.12E-10
2874	438061.1	3762636	2.13E-09	7.27E-09	9.41E-09	3.31E-10	1.19E-09	1.52E-09	1.79E-10	5.51E-10	7.30E-10
2875	438064.6	3762644	2.18E-09	7.45E-09	9.64E-09	3.39E-10	1.22E-09	1.56E-09	1.83E-10	5.65E-10	7.47E-10
2876	438068.1	3762653	2.24E-09	7.63E-09	9.86E-09	3.48E-10	1.25E-09	1.59E-09	1.87E-10	5.78E-10	7.65E-10
2877	438071.6	3762661	2.29E-09	7.80E-09	1.01E-08	3.56E-10	1.27E-09	1.63E-09	1.92E-10	5.91E-10	7.83E-10
2878	438075.1	3762670	2.34E-09	7.97E-09	1.03E-08	3.63E-10	1.30E-09	1.67E-09	1.96E-10	6.04E-10	8.00E-10
2879	438078.6	3762678	2.39E-09	8.14E-09	1.05E-08	3.71E-10	1.33E-09	1.70E-09	2.00E-10	6.17E-10	8.17E-10
2880	438082.1	3762687	2.44E-09	8.31E-09	1.07E-08	3.79E-10	1.36E-09	1.74E-09	2.04E-10	6.30E-10	8.34E-10
2881	438085.6	3762695	2.49E-09	8.47E-09	1.10E-08	3.86E-10	1.38E-09	1.77E-09	2.08E-10	6.42E-10	8.50E-10
2882	438089.1	3762704	2.53E-09	8.63E-09	1.12E-08	3.93E-10	1.41E-09	1.80E-09	2.12E-10	6.54E-10	8.66E-10
2883	438092.6	3762712	2.58E-09	8.79E-09	1.14E-08	4.00E-10	1.44E-09	1.84E-09	2.16E-10	6.66E-10	8.81E-10
2884	437546.7	3762180	5.03E-10	1.72E-09	2.22E-09	7.82E-11	2.80E-10	3.59E-10	4.21E-11	1.30E-10	1.72E-10
2885	437537.3	3762180	4.99E-10	1.70E-09	2.20E-09	7.75E-11	2.78E-10	3.55E-10	4.18E-11	1.29E-10	1.71E-10
2886	437527.9	3762180	4.94E-10	1.69E-09	2.18E-09	7.68E-11	2.75E-10	3.52E-10	4.14E-11	1.28E-10	1.69E-10
2887	437518.5	3762180	4.90E-10	1.67E-09	2.16E-09	7.61E-11	2.73E-10	3.49E-10	4.10E-11	1.27E-10	1.68E-10
2888	437509.1	3762180	4.85E-10	1.66E-09	2.14E-09	7.54E-11	2.70E-10	3.46E-10	4.06E-11	1.25E-10	1.66E-10
2889	437499.8	3762180	4.81E-10	1.64E-09	2.12E-09	7.47E-11	2.68E-10	3.43E-10	4.03E-11	1.24E-10	1.65E-10
2890	437490.4	3762180	4.76E-10	1.62E-09	2.10E-09	7.40E-11	2.65E-10	3.39E-10	3.99E-11	1.23E-10	1.63E-10
2891	437481	3762180	4.72E-10	1.61E-09	2.08E-09	7.34E-11	2.63E-10	3.36E-10	3.95E-11	1.22E-10	1.62E-10
2892	437471.6	3762180	4.68E-10	1.60E-09	2.06E-09	7.27E-11	2.61E-10	3.33E-10	3.92E-11	1.21E-10	1.60E-10
2893	437462.2	3762180	4.64E-10	1.58E-09	2.05E-09	7.21E-11	2.58E-10	3.31E-10	3.88E-11	1.20E-10	1.59E-10
2894	437452.8	3762180	4.60E-10	1.57E-09	2.03E-09	7.15E-11	2.56E-10	3.28E-10	3.85E-11	1.19E-10	1.57E-10
2895	437443.4	3762180	4.56E-10	1.56E-09	2.01E-09	7.09E-11	2.54E-10	3.25E-10	3.82E-11	1.18E-10	1.56E-10
2896	437865.1	3762278	7.58E-10	2.58E-09	3.34E-09	1.18E-10	4.22E-10	5.40E-10	6.34E-11	1.96E-10	2.59E-10
2897	437873.6	3762281	7.62E-10	2.60E-09	3.36E-09	1.18E-10	4.25E-10	5.43E-10	6.38E-11	1.97E-10	2.61E-10
2898	437882.2	3762285	7.66E-10	2.61E-09	3.38E-09	1.19E-10	4.27E-10	5.46E-10	6.41E-11	1.98E-10	2.62E-10
2899	437890.8	3762288	7.70E-10	2.62E-09	3.39E-09	1.20E-10	4.29E-10	5.48E-10	6.44E-11	1.99E-10	2.63E-10
2900	437899.4	3762292	7.73E-10	2.64E-09	3.41E-09	1.20E-10	4.31E-10	5.51E-10	6.47E-11	2.00E-10	2.64E-10
2901	437908	3762296	7.76E-10	2.65E-09	3.42E-09	1.21E-10	4.32E-10	5.53E-10	6.50E-11	2.01E-10	2.66E-10
2902	437916.6	3762299	7.79E-10	2.66E-09	3.43E-09	1.21E-10	4.34E-10	5.55E-10	6.52E-11	2.01E-10	2.66E-10
2903	437925.1	3762303	7.81E-10	2.66E-09	3.45E-09	1.21E-10	4.35E-10	5.57E-10	6.54E-11	2.02E-10	2.67E-10
2904	437933.7	3762306	7.84E-10	2.67E-09	3.46E-09	1.22E-10	4.36E-10	5.58E-10	6.56E-11	2.02E-10	2.68E-10
2905	437942.3	3762310	7.85E-10	2.68E-09	3.46E-09	1.22E-10	4.37E-10	5.60E-10	6.57E-11	2.03E-10	2.69E-10
2906	437950.9	3762313	7.87E-10	2.68E-09	3.47E-09	1.22E-10	4.38E-10	5.61E-10	6.59E-11	2.03E-10	2.69E-10
2907	437984.3	3762377	9.26E-10	3.16E-09	4.08E-09	1.44E-10	5.16E-10	6.60E-10	7.75E-11	2.39E-10	3.17E-10
2908	437987.8	3762386	9.48E-10	3.23E-09	4.18E-09	1.47E-10	5.28E-10	6.75E-10	7.93E-11	2.45E-10	3.24E-10
2909	437991.4	3762394	9.70E-10	3.31E-09	4.28E-09	1.51E-10	5.40E-10	6.91E-10	8.12E-11	2.51E-10	3.32E-10
2910	437994.9	3762403	9.93E-10	3.39E-09	4.38E-09	1.54E-10	5.53E-10	7.07E-10	8.31E-11	2.57E-10	3.40E-10
2911	437998.5	3762411	1.02E-09	3.47E-09	4.48E-09	1.58E-10	5.66E-10	7.24E-10	8.51E-11	2.63E-10	3.48E-10
2912	438002	3762420	1.04E-09	3.55E-09	4.59E-09	1.62E-10	5.80E-10	7.42E-10	8.71E-11	2.69E-10	3.56E-10
2913	438005.6	3762429	1.07E-09	3.64E-09	4.70E-09	1.66E-10	5.94E-10	7.60E-10	8.92E-11	2.76E-10	3.65E-10
2914	438009.1	3762437	1.09E-09	3.73E-09	4.82E-09	1.70E-10	6.09E-10	7.78E-10	9.14E-11	2.82E-10	3.74E-10
2915	438012.7	3762446	1.12E-09	3.82E-09	4.94E-09	1.74E-10	6.24E-10	7.98E-10	9.37E-11	2.89E-10	3.83E-10
2916	438016.2	3762454	1.15E-09	3.91E-09	5.06E-09	1.78E-10	6.39E-10	8.18E-10	9.60E-11	2.97E-10	3.93E-10
2917	438019.8	3762463	1.18E-09	4.01E-09	5.19E-09	1.83E-10	6.55E-10	8.38E-10	9.85E-11	3.04E-10	4.02E-10
2918	438023.3	3762472	1.21E-09	4.11E-09	5.32E-09	1.87E-10	6.72E-10	8.60E-10	1.01E-10	3.12E-10	4.13E-10
2919	438026.8	3762480	1.24E-09	4.22E-09	5.46E-09	1.92E-10	6.90E-10	8.82E-10	1.04E-10	3.20E-10	4.23E-10
2920	438030.4	3762489	1.27E-09	4.33E-09	5.60E-09	1.97E-10	7.07E-10	9.05E-10	1.06E-10	3.28E-10	4.34E-10
2921	438033.9	3762497	1.30E-09	4.44E-09	5.75E-09	2.03E-10	7.26E-10	9.29E-10	1.09E-10	3.37E-10	4.46E-10
2922	438037.5	3762506	1.34E-09	4.56E-09	5.90E-09	2.08E-10	7.45E-10	9.53E-10	1.12E-10	3.46E-10	4.58E-10
2923	438041	3762514	1.37E-09	4.68E-09	6.06E-09	2.13E-10	7.65E-10	9.79E-10	1.15E-10	3.55E-10	4.70E-10
2924	438044.6	3762523	1.41E-09	4.81E-09	6.22E-09	2.19E-10	7.86E-10	1.00E-09	1.18E-10	3.64E-10	4.82E-10

2925	438048.1	3762532	1.45E-09	4.94E-09	6.39E-09	2.25E-10	8.07E-10	1.03E-09	1.21E-10	3.74E-10	4.95E-10
2926	438051.7	3762540	1.49E-09	5.07E-09	6.56E-09	2.31E-10	8.28E-10	1.06E-09	1.24E-10	3.84E-10	5.09E-10
2927	438055.2	3762549	1.53E-09	5.21E-09	6.73E-09	2.37E-10	8.50E-10	1.09E-09	1.28E-10	3.94E-10	5.22E-10
2928	438058.8	3762557	1.57E-09	5.34E-09	6.91E-09	2.43E-10	8.73E-10	1.12E-09	1.31E-10	4.05E-10	5.36E-10
2929	438062.3	3762566	1.61E-09	5.48E-09	7.09E-09	2.50E-10	8.96E-10	1.15E-09	1.35E-10	4.16E-10	5.50E-10
2930	438065.9	3762575	1.65E-09	5.63E-09	7.28E-09	2.56E-10	9.20E-10	1.18E-09	1.38E-10	4.27E-10	5.65E-10
2931	438069.4	3762583	1.69E-09	5.78E-09	7.47E-09	2.63E-10	9.44E-10	1.21E-09	1.42E-10	4.38E-10	5.79E-10
2932	438073	3762592	1.74E-09	5.93E-09	7.66E-09	2.70E-10	9.68E-10	1.24E-09	1.45E-10	4.49E-10	5.94E-10
2933	438076.5	3762600	1.78E-09	6.08E-09	7.86E-09	2.77E-10	9.93E-10	1.27E-09	1.49E-10	4.61E-10	6.10E-10
2934	438080	3762609	1.83E-09	6.23E-09	8.06E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.72E-10	6.25E-10
2935	438083.6	3762618	1.87E-09	6.39E-09	8.26E-09	2.91E-10	1.04E-09	1.33E-09	1.57E-10	4.84E-10	6.41E-10
2936	438087.1	3762626	1.92E-09	6.54E-09	8.46E-09	2.98E-10	1.07E-09	1.37E-09	1.61E-10	4.96E-10	6.56E-10
2937	438090.7	3762635	1.96E-09	6.70E-09	8.66E-09	3.05E-10	1.09E-09	1.40E-09	1.64E-10	5.08E-10	6.72E-10
2938	438094.2	3762643	2.01E-09	6.86E-09	8.87E-09	3.12E-10	1.12E-09	1.43E-09	1.68E-10	5.19E-10	6.88E-10
2939	438097.8	3762652	2.06E-09	7.01E-09	9.07E-09	3.19E-10	1.15E-09	1.46E-09	1.72E-10	5.31E-10	7.03E-10
2940	438101.3	3762660	2.10E-09	7.16E-09	9.27E-09	3.26E-10	1.17E-09	1.50E-09	1.76E-10	5.43E-10	7.19E-10
2941	438104.9	3762669	2.15E-09	7.31E-09	9.46E-09	3.33E-10	1.19E-09	1.53E-09	1.80E-10	5.54E-10	7.34E-10
2942	438108.4	3762678	2.19E-09	7.46E-09	9.65E-09	3.40E-10	1.22E-09	1.56E-09	1.83E-10	5.65E-10	7.49E-10
2943	438112	3762686	2.23E-09	7.61E-09	9.84E-09	3.47E-10	1.24E-09	1.59E-09	1.87E-10	5.76E-10	7.63E-10
2944	438115.5	3762695	2.27E-09	7.75E-09	1.00E-08	3.53E-10	1.27E-09	1.62E-09	1.90E-10	5.87E-10	7.77E-10
2945	438119.1	3762703	2.31E-09	7.88E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.94E-10	5.97E-10	7.91E-10
2946	438122.6	3762712	2.35E-09	8.02E-09	1.04E-08	3.65E-10	1.31E-09	1.67E-09	1.97E-10	6.07E-10	8.04E-10
2947	437546.7	3762150	4.55E-10	1.55E-09	2.01E-09	7.06E-11	2.53E-10	3.24E-10	3.81E-11	1.17E-10	1.56E-10
2948	437537.3	3762150	4.51E-10	1.54E-09	1.99E-09	7.00E-11	2.51E-10	3.21E-10	3.77E-11	1.16E-10	1.54E-10
2949	437527.9	3762150	4.47E-10	1.52E-09	1.97E-09	6.94E-11	2.49E-10	3.18E-10	3.74E-11	1.15E-10	1.53E-10
2950	437518.5	3762150	4.43E-10	1.51E-09	1.95E-09	6.88E-11	2.47E-10	3.15E-10	3.71E-11	1.14E-10	1.51E-10
2951	437509.1	3762150	4.39E-10	1.50E-09	1.93E-09	6.82E-11	2.44E-10	3.13E-10	3.67E-11	1.13E-10	1.50E-10
2952	437499.7	3762150	4.35E-10	1.48E-09	1.92E-09	6.76E-11	2.42E-10	3.10E-10	3.64E-11	1.12E-10	1.49E-10
2953	437490.4	3762150	4.31E-10	1.47E-09	1.90E-09	6.70E-11	2.40E-10	3.07E-10	3.61E-11	1.11E-10	1.47E-10
2954	437481	3762150	4.27E-10	1.46E-09	1.88E-09	6.64E-11	2.38E-10	3.04E-10	3.58E-11	1.10E-10	1.46E-10
2955	437471.6	3762150	4.24E-10	1.44E-09	1.87E-09	6.58E-11	2.36E-10	3.02E-10	3.54E-11	1.09E-10	1.45E-10
2956	437462.2	3762150	4.20E-10	1.43E-09	1.85E-09	6.52E-11	2.34E-10	2.99E-10	3.51E-11	1.08E-10	1.44E-10
2957	437452.8	3762150	4.16E-10	1.42E-09	1.84E-09	6.47E-11	2.32E-10	2.97E-10	3.48E-11	1.08E-10	1.42E-10
2958	437443.4	3762150	4.13E-10	1.41E-09	1.82E-09	6.42E-11	2.30E-10	2.94E-10	3.46E-11	1.07E-10	1.41E-10
2959	437937.4	3762278	7.14E-10	2.43E-09	3.15E-09	1.11E-10	3.98E-10	5.09E-10	5.98E-11	1.84E-10	2.44E-10
2960	437946	3762281	7.16E-10	2.44E-09	3.16E-09	1.11E-10	3.99E-10	5.10E-10	5.99E-11	1.85E-10	2.45E-10
2961	437954.7	3762285	7.18E-10	2.45E-09	3.17E-09	1.12E-10	4.00E-10	5.11E-10	6.01E-11	1.85E-10	2.46E-10
2962	438016.5	3762382	8.99E-10	3.07E-09	3.97E-09	1.40E-10	5.01E-10	6.41E-10	7.53E-11	2.32E-10	3.08E-10
2963	438020.1	3762391	9.20E-10	3.14E-09	4.06E-09	1.43E-10	5.12E-10	6.55E-10	7.70E-11	2.38E-10	3.15E-10
2964	438023.7	3762400	9.41E-10	3.21E-09	4.15E-09	1.46E-10	5.24E-10	6.70E-10	7.87E-11	2.43E-10	3.22E-10
2965	438027.2	3762408	9.62E-10	3.28E-09	4.24E-09	1.50E-10	5.36E-10	6.86E-10	8.06E-11	2.49E-10	3.29E-10
2966	438030.8	3762417	9.85E-10	3.36E-09	4.34E-09	1.53E-10	5.49E-10	7.02E-10	8.24E-11	2.54E-10	3.37E-10
2967	438034.4	3762426	1.01E-09	3.44E-09	4.44E-09	1.57E-10	5.61E-10	7.18E-10	8.43E-11	2.60E-10	3.45E-10
2968	438038	3762434	1.03E-09	3.52E-09	4.55E-09	1.60E-10	5.75E-10	7.35E-10	8.63E-11	2.67E-10	3.53E-10
2969	438041.6	3762443	1.06E-09	3.60E-09	4.66E-09	1.64E-10	5.88E-10	7.52E-10	8.84E-11	2.73E-10	3.61E-10
2970	438045.1	3762452	1.08E-09	3.69E-09	4.77E-09	1.68E-10	6.03E-10	7.71E-10	9.05E-11	2.80E-10	3.70E-10
2971	438048.7	3762460	1.11E-09	3.78E-09	4.89E-09	1.72E-10	6.17E-10	7.90E-10	9.28E-11	2.86E-10	3.79E-10
2972	438052.3	3762469	1.14E-09	3.87E-09	5.01E-09	1.76E-10	6.33E-10	8.09E-10	9.51E-11	2.93E-10	3.89E-10
2973	438055.9	3762478	1.16E-09	3.97E-09	5.13E-09	1.81E-10	6.49E-10	8.29E-10	9.74E-11	3.01E-10	3.98E-10
2974	438059.5	3762486	1.19E-09	4.07E-09	5.26E-09	1.85E-10	6.65E-10	8.50E-10	9.99E-11	3.08E-10	4.08E-10
2975	438063.1	3762495	1.22E-09	4.17E-09	5.40E-09	1.90E-10	6.82E-10	8.72E-10	1.02E-10	3.16E-10	4.19E-10
2976	438066.6	3762504	1.26E-09	4.28E-09	5.54E-09	1.95E-10	6.99E-10	8.94E-10	1.05E-10	3.24E-10	4.29E-10
2977	438070.2	3762513	1.29E-09	4.39E-09	5.68E-09	2.00E-10	7.17E-10	9.17E-10	1.08E-10	3.33E-10	4.40E-10
2978	438073.8	3762521	1.32E-09	4.50E-09	5.83E-09	2.05E-10	7.36E-10	9.41E-10	1.11E-10	3.41E-10	4.52E-10
2979	438077.4	3762530	1.35E-09	4.62E-09	5.98E-09	2.11E-10	7.55E-10	9.65E-10	1.13E-10	3.50E-10	4.64E-10
2980	438081	3762539	1.39E-09	4.74E-09	6.13E-09	2.16E-10	7.74E-10	9.90E-10	1.16E-10	3.59E-10	4.75E-10
2981	438084.5	3762547	1.43E-09	4.86E-09	6.29E-09	2.21E-10	7.94E-10	1.02E-09	1.19E-10	3.68E-10	4.88E-10
2982	438088.1	3762556	1.46E-09	4.98E-09	6.45E-09	2.27E-10	8.14E-10	1.04E-09	1.22E-10	3.78E-10	5.00E-10
2983	438091.7	3762565	1.50E-09	5.11E-09	6.61E-09	2.33E-10	8.35E-10	1.07E-09	1.25E-10	3.87E-10	5.13E-10
2984	438095.3	3762573	1.54E-09	5.24E-09	6.78E-09	2.39E-10	8.56E-10	1.09E-09	1.29E-10	3.97E-10	5.26E-10
2985	438098.9	3762582	1.58E-09	5.37E-09	6.95E-09	2.45E-10	8.78E-10	1.12E-09	1.32E-10	4.07E-10	5.39E-10

2986	438102.4	3762591	1.61E-09	5.51E-09	7.12E-09	2.51E-10	9.00E-10	1.15E-09	1.35E-10	4.17E-10	5.52E-10
2987	438106	3762599	1.65E-09	5.64E-09	7.30E-09	2.57E-10	9.22E-10	1.18E-09	1.38E-10	4.28E-10	5.66E-10
2988	438109.6	3762608	1.69E-09	5.78E-09	7.47E-09	2.63E-10	9.44E-10	1.21E-09	1.42E-10	4.38E-10	5.80E-10
2989	438113.2	3762617	1.74E-09	5.92E-09	7.65E-09	2.70E-10	9.67E-10	1.24E-09	1.45E-10	4.48E-10	5.94E-10
2990	438116.8	3762625	1.78E-09	6.05E-09	7.83E-09	2.76E-10	9.89E-10	1.26E-09	1.49E-10	4.59E-10	6.07E-10
2991	438120.3	3762634	1.82E-09	6.19E-09	8.01E-09	2.82E-10	1.01E-09	1.29E-09	1.52E-10	4.69E-10	6.21E-10
2992	438123.9	3762643	1.86E-09	6.33E-09	8.19E-09	2.88E-10	1.03E-09	1.32E-09	1.55E-10	4.80E-10	6.35E-10
2993	438127.5	3762651	1.90E-09	6.47E-09	8.36E-09	2.95E-10	1.06E-09	1.35E-09	1.59E-10	4.90E-10	6.49E-10
2994	438131.1	3762660	1.94E-09	6.60E-09	8.54E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.00E-10	6.62E-10
2995	438134.7	3762669	1.97E-09	6.73E-09	8.71E-09	3.07E-10	1.10E-09	1.41E-09	1.65E-10	5.10E-10	6.76E-10
2996	438138.2	3762677	2.01E-09	6.86E-09	8.87E-09	3.13E-10	1.12E-09	1.43E-09	1.68E-10	5.20E-10	6.88E-10
2997	438141.8	3762686	2.05E-09	6.99E-09	9.04E-09	3.18E-10	1.14E-09	1.46E-09	1.72E-10	5.29E-10	7.01E-10
2998	438145.4	3762695	2.08E-09	7.11E-09	9.19E-09	3.24E-10	1.16E-09	1.49E-09	1.75E-10	5.39E-10	7.13E-10
2999	438149	3762703	2.12E-09	7.23E-09	9.35E-09	3.29E-10	1.18E-09	1.51E-09	1.77E-10	5.48E-10	7.25E-10
3000	438152.6	3762712	2.15E-09	7.34E-09	9.49E-09	3.34E-10	1.20E-09	1.53E-09	1.80E-10	5.56E-10	7.36E-10
3001	437546.7	3762120	4.13E-10	1.41E-09	1.82E-09	6.41E-11	2.30E-10	2.94E-10	3.46E-11	1.07E-10	1.41E-10
3002	437537.3	3762120	4.09E-10	1.40E-09	1.80E-09	6.36E-11	2.28E-10	2.92E-10	3.42E-11	1.06E-10	1.40E-10
3003	437527.9	3762120	4.06E-10	1.38E-09	1.79E-09	6.30E-11	2.26E-10	2.89E-10	3.39E-11	1.05E-10	1.39E-10
3004	437518.5	3762120	4.02E-10	1.37E-09	1.77E-09	6.25E-11	2.24E-10	2.86E-10	3.36E-11	1.04E-10	1.38E-10
3005	437509.1	3762120	3.99E-10	1.36E-09	1.76E-09	6.20E-11	2.22E-10	2.84E-10	3.34E-11	1.03E-10	1.36E-10
3006	437499.7	3762120	3.95E-10	1.35E-09	1.74E-09	6.14E-11	2.20E-10	2.82E-10	3.31E-11	1.02E-10	1.35E-10
3007	437490.4	3762120	3.92E-10	1.34E-09	1.73E-09	6.09E-11	2.18E-10	2.79E-10	3.28E-11	1.01E-10	1.34E-10
3008	437481	3762120	3.89E-10	1.33E-09	1.71E-09	6.04E-11	2.17E-10	2.77E-10	3.25E-11	1.00E-10	1.33E-10
3009	437471.6	3762120	3.86E-10	1.31E-09	1.70E-09	5.99E-11	2.15E-10	2.75E-10	3.23E-11	9.96E-11	1.32E-10
3010	437462.2	3762120	3.82E-10	1.30E-09	1.69E-09	5.94E-11	2.13E-10	2.72E-10	3.20E-11	9.88E-11	1.31E-10
3011	437452.8	3762120	3.79E-10	1.29E-09	1.67E-09	5.89E-11	2.11E-10	2.70E-10	3.17E-11	9.80E-11	1.30E-10
3012	437443.4	3762120	3.76E-10	1.28E-09	1.66E-09	5.84E-11	2.10E-10	2.68E-10	3.15E-11	9.72E-11	1.29E-10
3013	437983.4	3762257	6.44E-10	2.19E-09	2.84E-09	1.00E-10	3.59E-10	4.59E-10	5.39E-11	1.66E-10	2.20E-10
3014	437991.9	3762260	6.45E-10	2.20E-09	2.84E-09	1.00E-10	3.59E-10	4.60E-10	5.40E-11	1.67E-10	2.21E-10
3015	438000.5	3762264	6.46E-10	2.20E-09	2.85E-09	1.00E-10	3.60E-10	4.60E-10	5.41E-11	1.67E-10	2.21E-10
3016	438012.5	3762276	6.60E-10	2.25E-09	2.91E-09	1.03E-10	3.68E-10	4.70E-10	5.53E-11	1.71E-10	2.26E-10
3017	438016.1	3762285	6.74E-10	2.30E-09	2.97E-09	1.05E-10	3.75E-10	4.80E-10	5.64E-11	1.74E-10	2.30E-10
3018	438019.6	3762293	6.87E-10	2.34E-09	3.03E-09	1.07E-10	3.83E-10	4.90E-10	5.75E-11	1.78E-10	2.35E-10
3019	438023.1	3762302	7.01E-10	2.39E-09	3.09E-09	1.09E-10	3.91E-10	4.99E-10	5.87E-11	1.81E-10	2.40E-10
3020	438026.7	3762310	7.15E-10	2.44E-09	3.15E-09	1.11E-10	3.98E-10	5.10E-10	5.99E-11	1.85E-10	2.45E-10
3021	438030.2	3762319	7.30E-10	2.49E-09	3.22E-09	1.13E-10	4.06E-10	5.20E-10	6.11E-11	1.89E-10	2.50E-10
3022	438033.7	3762327	7.44E-10	2.54E-09	3.28E-09	1.16E-10	4.15E-10	5.30E-10	6.23E-11	1.92E-10	2.55E-10
3023	438037.3	3762336	7.60E-10	2.59E-09	3.35E-09	1.18E-10	4.23E-10	5.41E-10	6.36E-11	1.96E-10	2.60E-10
3024	438040.8	3762344	7.75E-10	2.64E-09	3.42E-09	1.20E-10	4.32E-10	5.52E-10	6.49E-11	2.00E-10	2.65E-10
3025	438054.9	3762379	8.41E-10	2.87E-09	3.71E-09	1.31E-10	4.68E-10	5.99E-10	7.04E-11	2.17E-10	2.88E-10
3026	438058.4	3762387	8.59E-10	2.93E-09	3.79E-09	1.33E-10	4.78E-10	6.12E-10	7.19E-11	2.22E-10	2.94E-10
3027	438062	3762396	8.77E-10	2.99E-09	3.87E-09	1.36E-10	4.88E-10	6.25E-10	7.34E-11	2.27E-10	3.00E-10
3028	438065.5	3762404	8.95E-10	3.05E-09	3.95E-09	1.39E-10	4.99E-10	6.38E-10	7.49E-11	2.31E-10	3.06E-10
3029	438069	3762413	9.15E-10	3.12E-09	4.03E-09	1.42E-10	5.10E-10	6.52E-10	7.66E-11	2.36E-10	3.13E-10
3030	438072.6	3762421	9.35E-10	3.19E-09	4.12E-09	1.45E-10	5.21E-10	6.66E-10	7.82E-11	2.41E-10	3.20E-10
3031	438076.1	3762430	9.55E-10	3.26E-09	4.21E-09	1.48E-10	5.32E-10	6.81E-10	8.00E-11	2.47E-10	3.27E-10
3032	438079.6	3762438	9.77E-10	3.33E-09	4.31E-09	1.52E-10	5.44E-10	6.96E-10	8.17E-11	2.52E-10	3.34E-10
3033	438083.2	3762447	9.99E-10	3.41E-09	4.40E-09	1.55E-10	5.56E-10	7.12E-10	8.36E-11	2.58E-10	3.42E-10
3034	438086.7	3762456	1.02E-09	3.48E-09	4.51E-09	1.59E-10	5.69E-10	7.28E-10	8.55E-11	2.64E-10	3.49E-10
3035	438090.2	3762464	1.05E-09	3.56E-09	4.61E-09	1.62E-10	5.82E-10	7.45E-10	8.75E-11	2.70E-10	3.58E-10
3036	438093.7	3762473	1.07E-09	3.65E-09	4.72E-09	1.66E-10	5.96E-10	7.62E-10	8.95E-11	2.76E-10	3.66E-10
3037	438097.3	3762481	1.09E-09	3.73E-09	4.83E-09	1.70E-10	6.10E-10	7.80E-10	9.16E-11	2.83E-10	3.75E-10
3038	438100.8	3762490	1.12E-09	3.82E-09	4.94E-09	1.74E-10	6.24E-10	7.99E-10	9.38E-11	2.90E-10	3.83E-10
3039	438104.3	3762498	1.15E-09	3.91E-09	5.06E-09	1.78E-10	6.39E-10	8.18E-10	9.61E-11	2.97E-10	3.93E-10
3040	438107.9	3762507	1.18E-09	4.01E-09	5.18E-09	1.83E-10	6.55E-10	8.37E-10	9.84E-11	3.04E-10	4.02E-10
3041	438111.4	3762515	1.20E-09	4.10E-09	5.31E-09	1.87E-10	6.70E-10	8.57E-10	1.01E-10	3.11E-10	4.12E-10
3042	438114.9	3762524	1.23E-09	4.20E-09	5.43E-09	1.91E-10	6.86E-10	8.78E-10	1.03E-10	3.18E-10	4.21E-10
3043	438118.5	3762533	1.26E-09	4.30E-09	5.56E-09	1.96E-10	7.03E-10	8.98E-10	1.06E-10	3.26E-10	4.31E-10
3044	438122	3762541	1.29E-09	4.40E-09	5.69E-09	2.01E-10	7.19E-10	9.20E-10	1.08E-10	3.34E-10	4.42E-10
3045	438125.5	3762550	1.32E-09	4.51E-09	5.83E-09	2.05E-10	7.37E-10	9.42E-10	1.11E-10	3.42E-10	4.52E-10
3046	438129.1	3762558	1.35E-09	4.62E-09	5.97E-09	2.10E-10	7.54E-10	9.65E-10	1.13E-10	3.50E-10	4.63E-10

3047	438132.6	3762567	1.39E-09	4.73E-09	6.11E-09	2.15E-10	7.72E-10	9.87E-10	1.16E-10	3.58E-10	4.74E-10
3048	438136.1	3762575	1.42E-09	4.84E-09	6.26E-09	2.20E-10	7.90E-10	1.01E-09	1.19E-10	3.67E-10	4.85E-10
3049	438139.6	3762584	1.45E-09	4.95E-09	6.40E-09	2.26E-10	8.09E-10	1.03E-09	1.21E-10	3.75E-10	4.97E-10
3050	438143.2	3762592	1.48E-09	5.06E-09	6.55E-09	2.31E-10	8.27E-10	1.06E-09	1.24E-10	3.84E-10	5.08E-10
3051	438146.7	3762601	1.52E-09	5.18E-09	6.69E-09	2.36E-10	8.46E-10	1.08E-09	1.27E-10	3.92E-10	5.19E-10
3052	438150.2	3762610	1.55E-09	5.29E-09	6.84E-09	2.41E-10	8.64E-10	1.11E-09	1.30E-10	4.01E-10	5.31E-10
3053	438153.8	3762618	1.59E-09	5.41E-09	6.99E-09	2.46E-10	8.83E-10	1.13E-09	1.33E-10	4.10E-10	5.42E-10
3054	438157.3	3762627	1.62E-09	5.52E-09	7.14E-09	2.52E-10	9.02E-10	1.15E-09	1.36E-10	4.18E-10	5.54E-10
3055	438160.8	3762635	1.65E-09	5.63E-09	7.29E-09	2.57E-10	9.20E-10	1.18E-09	1.38E-10	4.27E-10	5.65E-10
3056	438164.4	3762644	1.69E-09	5.75E-09	7.43E-09	2.62E-10	9.39E-10	1.20E-09	1.41E-10	4.36E-10	5.77E-10
3057	438167.9	3762652	1.72E-09	5.86E-09	7.58E-09	2.67E-10	9.57E-10	1.22E-09	1.44E-10	4.44E-10	5.88E-10
3058	438171.4	3762661	1.75E-09	5.97E-09	7.72E-09	2.72E-10	9.75E-10	1.25E-09	1.47E-10	4.52E-10	5.99E-10
3059	438175	3762669	1.78E-09	6.08E-09	7.86E-09	2.77E-10	9.93E-10	1.27E-09	1.49E-10	4.60E-10	6.10E-10
3060	438178.5	3762678	1.81E-09	6.18E-09	8.00E-09	2.82E-10	1.01E-09	1.29E-09	1.52E-10	4.68E-10	6.20E-10
3061	438182	3762686	1.84E-09	6.29E-09	8.13E-09	2.86E-10	1.03E-09	1.31E-09	1.54E-10	4.76E-10	6.31E-10
3062	438185.6	3762695	1.87E-09	6.38E-09	8.26E-09	2.91E-10	1.04E-09	1.33E-09	1.57E-10	4.84E-10	6.40E-10
3063	438189.1	3762704	1.90E-09	6.48E-09	8.38E-09	2.95E-10	1.06E-09	1.35E-09	1.59E-10	4.91E-10	6.50E-10
3064	438192.6	3762712	1.93E-09	6.57E-09	8.50E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.98E-10	6.59E-10
3065	437985.7	3762218	5.77E-10	1.97E-09	2.54E-09	8.96E-11	3.21E-10	4.11E-10	4.83E-11	1.49E-10	1.97E-10
3066	437994.3	3762221	5.79E-10	1.97E-09	2.55E-09	8.99E-11	3.22E-10	4.12E-10	4.84E-11	1.49E-10	1.98E-10
3067	438002.9	3762225	5.80E-10	1.98E-09	2.56E-09	9.01E-11	3.23E-10	4.13E-10	4.85E-11	1.50E-10	1.98E-10
3068	438011.5	3762229	5.81E-10	1.98E-09	2.56E-09	9.03E-11	3.24E-10	4.14E-10	4.86E-11	1.50E-10	1.99E-10
3069	438020.1	3762232	5.82E-10	1.99E-09	2.57E-09	9.05E-11	3.24E-10	4.15E-10	4.87E-11	1.50E-10	1.99E-10
3070	438028.7	3762236	5.83E-10	1.99E-09	2.57E-09	9.06E-11	3.25E-10	4.15E-10	4.88E-11	1.51E-10	1.99E-10
3071	438040.9	3762248	5.95E-10	2.03E-09	2.62E-09	9.25E-11	3.32E-10	4.24E-10	4.98E-11	1.54E-10	2.04E-10
3072	438044.4	3762256	6.06E-10	2.07E-09	2.67E-09	9.42E-11	3.38E-10	4.32E-10	5.08E-11	1.57E-10	2.07E-10
3073	438048	3762265	6.18E-10	2.11E-09	2.73E-09	9.60E-11	3.44E-10	4.40E-10	5.17E-11	1.60E-10	2.11E-10
3074	438051.5	3762274	6.30E-10	2.15E-09	2.78E-09	9.79E-11	3.51E-10	4.49E-10	5.27E-11	1.63E-10	2.15E-10
3075	438055.1	3762282	6.42E-10	2.19E-09	2.83E-09	9.97E-11	3.57E-10	4.57E-10	5.37E-11	1.66E-10	2.20E-10
3076	438058.6	3762291	6.54E-10	2.23E-09	2.88E-09	1.02E-10	3.64E-10	4.66E-10	5.47E-11	1.69E-10	2.24E-10
3077	438062.2	3762299	6.66E-10	2.27E-09	2.94E-09	1.04E-10	3.71E-10	4.75E-10	5.58E-11	1.72E-10	2.28E-10
3078	438065.7	3762308	6.79E-10	2.31E-09	2.99E-09	1.05E-10	3.78E-10	4.84E-10	5.68E-11	1.75E-10	2.32E-10
3079	438069.3	3762317	6.92E-10	2.36E-09	3.05E-09	1.07E-10	3.85E-10	4.93E-10	5.79E-11	1.79E-10	2.37E-10
3080	438072.8	3762325	7.05E-10	2.40E-09	3.11E-09	1.10E-10	3.93E-10	5.02E-10	5.90E-11	1.82E-10	2.41E-10
3081	438076.4	3762334	7.18E-10	2.45E-09	3.17E-09	1.12E-10	4.00E-10	5.12E-10	6.01E-11	1.86E-10	2.46E-10
3082	438079.9	3762342	7.32E-10	2.50E-09	3.23E-09	1.14E-10	4.08E-10	5.22E-10	6.13E-11	1.89E-10	2.50E-10
3083	438083.5	3762351	7.46E-10	2.54E-09	3.29E-09	1.16E-10	4.16E-10	5.32E-10	6.25E-11	1.93E-10	2.55E-10
3084	438087	3762360	7.61E-10	2.59E-09	3.35E-09	1.18E-10	4.24E-10	5.42E-10	6.37E-11	1.97E-10	2.60E-10
3085	438090.6	3762368	7.76E-10	2.65E-09	3.42E-09	1.21E-10	4.32E-10	5.53E-10	6.49E-11	2.00E-10	2.65E-10
3086	438094.1	3762377	7.91E-10	2.70E-09	3.49E-09	1.23E-10	4.41E-10	5.64E-10	6.62E-11	2.04E-10	2.71E-10
3087	438097.7	3762385	8.07E-10	2.75E-09	3.56E-09	1.25E-10	4.49E-10	5.75E-10	6.75E-11	2.08E-10	2.76E-10
3088	438101.2	3762394	8.23E-10	2.81E-09	3.63E-09	1.28E-10	4.59E-10	5.86E-10	6.89E-11	2.13E-10	2.82E-10
3089	438104.8	3762403	8.40E-10	2.86E-09	3.70E-09	1.31E-10	4.68E-10	5.98E-10	7.03E-11	2.17E-10	2.87E-10
3090	438108.3	3762411	8.57E-10	2.92E-09	3.78E-09	1.33E-10	4.78E-10	6.11E-10	7.18E-11	2.22E-10	2.93E-10
3091	438111.9	3762420	8.75E-10	2.98E-09	3.86E-09	1.36E-10	4.87E-10	6.23E-10	7.33E-11	2.26E-10	2.99E-10
3092	438115.4	3762428	8.94E-10	3.05E-09	3.94E-09	1.39E-10	4.98E-10	6.37E-10	7.48E-11	2.31E-10	3.06E-10
3093	438119	3762437	9.13E-10	3.11E-09	4.03E-09	1.42E-10	5.09E-10	6.50E-10	7.64E-11	2.36E-10	3.12E-10
3094	438122.5	3762446	9.33E-10	3.18E-09	4.11E-09	1.45E-10	5.20E-10	6.65E-10	7.81E-11	2.41E-10	3.19E-10
3095	438126.1	3762454	9.53E-10	3.25E-09	4.20E-09	1.48E-10	5.31E-10	6.79E-10	7.98E-11	2.46E-10	3.26E-10
3096	438129.6	3762463	9.74E-10	3.32E-09	4.30E-09	1.51E-10	5.43E-10	6.94E-10	8.16E-11	2.52E-10	3.33E-10
3097	438133.2	3762471	9.96E-10	3.40E-09	4.39E-09	1.55E-10	5.55E-10	7.10E-10	8.34E-11	2.57E-10	3.41E-10
3098	438136.7	3762480	1.02E-09	3.47E-09	4.49E-09	1.58E-10	5.67E-10	7.26E-10	8.53E-11	2.63E-10	3.48E-10
3099	438140.3	3762489	1.04E-09	3.55E-09	4.59E-09	1.62E-10	5.80E-10	7.42E-10	8.72E-11	2.69E-10	3.56E-10
3100	438143.8	3762497	1.07E-09	3.63E-09	4.70E-09	1.66E-10	5.93E-10	7.59E-10	8.92E-11	2.75E-10	3.64E-10
3101	438147.4	3762506	1.09E-09	3.72E-09	4.81E-09	1.69E-10	6.07E-10	7.76E-10	9.12E-11	2.82E-10	3.73E-10
3102	438150.9	3762514	1.11E-09	3.80E-09	4.92E-09	1.73E-10	6.21E-10	7.94E-10	9.33E-11	2.88E-10	3.81E-10
3103	438154.5	3762523	1.14E-09	3.89E-09	5.03E-09	1.77E-10	6.35E-10	8.12E-10	9.54E-11	2.95E-10	3.90E-10
3104	438158	3762532	1.17E-09	3.98E-09	5.14E-09	1.81E-10	6.50E-10	8.31E-10	9.76E-11	3.01E-10	3.99E-10
3105	438161.6	3762540	1.19E-09	4.07E-09	5.26E-09	1.85E-10	6.64E-10	8.50E-10	9.98E-11	3.08E-10	4.08E-10
3106	438165.1	3762549	1.22E-09	4.16E-09	5.38E-09	1.90E-10	6.79E-10	8.69E-10	1.02E-10	3.15E-10	4.17E-10
3107	438168.7	3762557	1.25E-09	4.25E-09	5.50E-09	1.94E-10	6.95E-10	8.89E-10	1.04E-10	3.22E-10	4.27E-10

3108	438172.2	3762566	1.28E-09	4.35E-09	5.62E-09	1.98E-10	7.10E-10	9.09E-10	1.07E-10	3.29E-10	4.36E-10
3109	438175.8	3762575	1.30E-09	4.44E-09	5.75E-09	2.03E-10	7.26E-10	9.29E-10	1.09E-10	3.37E-10	4.46E-10
3110	438179.3	3762583	1.33E-09	4.54E-09	5.87E-09	2.07E-10	7.42E-10	9.49E-10	1.11E-10	3.44E-10	4.56E-10
3111	438193.5	3762618	1.45E-09	4.93E-09	6.38E-09	2.25E-10	8.06E-10	1.03E-09	1.21E-10	3.74E-10	4.95E-10
3112	438197.1	3762626	1.47E-09	5.03E-09	6.50E-09	2.29E-10	8.21E-10	1.05E-09	1.23E-10	3.81E-10	5.04E-10
3113	438200.6	3762635	1.50E-09	5.12E-09	6.63E-09	2.33E-10	8.37E-10	1.07E-09	1.26E-10	3.88E-10	5.14E-10
3114	438204.2	3762643	1.53E-09	5.22E-09	6.75E-09	2.38E-10	8.53E-10	1.09E-09	1.28E-10	3.96E-10	5.24E-10
3115	438207.7	3762652	1.56E-09	5.31E-09	6.87E-09	2.42E-10	8.68E-10	1.11E-09	1.30E-10	4.03E-10	5.33E-10
3116	438211.3	3762661	1.59E-09	5.41E-09	6.99E-09	2.46E-10	8.84E-10	1.13E-09	1.33E-10	4.10E-10	5.43E-10
3117	438214.8	3762669	1.61E-09	5.50E-09	7.11E-09	2.51E-10	8.98E-10	1.15E-09	1.35E-10	4.17E-10	5.52E-10
3118	438218.4	3762678	1.64E-09	5.59E-09	7.22E-09	2.55E-10	9.13E-10	1.17E-09	1.37E-10	4.23E-10	5.60E-10
3119	438221.9	3762686	1.66E-09	5.67E-09	7.34E-09	2.58E-10	9.27E-10	1.19E-09	1.39E-10	4.30E-10	5.69E-10
3120	438225.5	3762695	1.69E-09	5.76E-09	7.44E-09	2.62E-10	9.40E-10	1.20E-09	1.41E-10	4.36E-10	5.77E-10
3121	438229	3762704	1.71E-09	5.84E-09	7.55E-09	2.66E-10	9.54E-10	1.22E-09	1.43E-10	4.42E-10	5.86E-10
3122	438232.6	3762712	1.73E-09	5.90E-09	7.63E-09	2.69E-10	9.64E-10	1.23E-09	1.45E-10	4.47E-10	5.92E-10
3123	437987.9	3762179	5.19E-10	1.77E-09	2.29E-09	8.07E-11	2.89E-10	3.70E-10	4.35E-11	1.34E-10	1.78E-10
3124	437996.5	3762182	5.21E-10	1.78E-09	2.30E-09	8.10E-11	2.90E-10	3.71E-10	4.36E-11	1.35E-10	1.78E-10
3125	438005.2	3762186	5.23E-10	1.78E-09	2.31E-09	8.12E-11	2.91E-10	3.72E-10	4.38E-11	1.35E-10	1.79E-10
3126	438013.8	3762189	5.24E-10	1.79E-09	2.31E-09	8.15E-11	2.92E-10	3.74E-10	4.39E-11	1.35E-10	1.79E-10
3127	438022.4	3762193	5.26E-10	1.79E-09	2.32E-09	8.17E-11	2.93E-10	3.74E-10	4.40E-11	1.36E-10	1.80E-10
3128	438031.1	3762197	5.27E-10	1.80E-09	2.32E-09	8.19E-11	2.93E-10	3.75E-10	4.41E-11	1.36E-10	1.80E-10
3129	438039.7	3762200	5.28E-10	1.80E-09	2.33E-09	8.20E-11	2.94E-10	3.76E-10	4.42E-11	1.36E-10	1.81E-10
3130	438048.3	3762204	5.29E-10	1.80E-09	2.33E-09	8.22E-11	2.95E-10	3.77E-10	4.43E-11	1.37E-10	1.81E-10
3131	438057	3762207	5.30E-10	1.81E-09	2.34E-09	8.23E-11	2.95E-10	3.77E-10	4.43E-11	1.37E-10	1.81E-10
3132	438069.2	3762220	5.40E-10	1.84E-09	2.38E-09	8.39E-11	3.01E-10	3.85E-10	4.52E-11	1.40E-10	1.85E-10
3133	438072.7	3762228	5.50E-10	1.87E-09	2.42E-09	8.54E-11	3.06E-10	3.92E-10	4.60E-11	1.42E-10	1.88E-10
3134	438076.3	3762237	5.60E-10	1.91E-09	2.47E-09	8.70E-11	3.12E-10	3.99E-10	4.68E-11	1.45E-10	1.91E-10
3135	438079.9	3762246	5.70E-10	1.94E-09	2.51E-09	8.85E-11	3.17E-10	4.06E-10	4.77E-11	1.47E-10	1.95E-10
3136	438083.5	3762254	5.80E-10	1.98E-09	2.56E-09	9.01E-11	3.23E-10	4.13E-10	4.85E-11	1.50E-10	1.98E-10
3137	438087	3762263	5.90E-10	2.01E-09	2.60E-09	9.17E-11	3.29E-10	4.20E-10	4.94E-11	1.52E-10	2.02E-10
3138	438090.6	3762271	6.01E-10	2.05E-09	2.65E-09	9.33E-11	3.35E-10	4.28E-10	5.03E-11	1.55E-10	2.05E-10
3139	438094.2	3762280	6.11E-10	2.08E-09	2.70E-09	9.50E-11	3.41E-10	4.35E-10	5.12E-11	1.58E-10	2.09E-10
3140	438097.7	3762289	6.22E-10	2.12E-09	2.74E-09	9.67E-11	3.47E-10	4.43E-10	5.21E-11	1.61E-10	2.13E-10
3141	438101.3	3762297	6.33E-10	2.16E-09	2.79E-09	9.84E-11	3.53E-10	4.51E-10	5.30E-11	1.64E-10	2.17E-10
3142	438104.9	3762306	6.44E-10	2.20E-09	2.84E-09	1.00E-10	3.59E-10	4.59E-10	5.39E-11	1.67E-10	2.20E-10
3143	438108.4	3762315	6.56E-10	2.24E-09	2.89E-09	1.02E-10	3.65E-10	4.67E-10	5.49E-11	1.69E-10	2.24E-10
3144	438112	3762323	6.68E-10	2.28E-09	2.94E-09	1.04E-10	3.72E-10	4.76E-10	5.59E-11	1.73E-10	2.28E-10
3145	438115.6	3762332	6.80E-10	2.32E-09	3.00E-09	1.06E-10	3.79E-10	4.84E-10	5.69E-11	1.76E-10	2.33E-10
3146	438119.1	3762341	6.92E-10	2.36E-09	3.05E-09	1.08E-10	3.86E-10	4.93E-10	5.79E-11	1.79E-10	2.37E-10
3147	438122.7	3762349	7.05E-10	2.40E-09	3.11E-09	1.10E-10	3.93E-10	5.02E-10	5.90E-11	1.82E-10	2.41E-10
3148	438126.3	3762358	7.18E-10	2.45E-09	3.17E-09	1.12E-10	4.00E-10	5.11E-10	6.01E-11	1.85E-10	2.46E-10
3149	438129.8	3762366	7.32E-10	2.49E-09	3.23E-09	1.14E-10	4.07E-10	5.21E-10	6.12E-11	1.89E-10	2.50E-10
3150	438133.4	3762375	7.45E-10	2.54E-09	3.29E-09	1.16E-10	4.15E-10	5.31E-10	6.24E-11	1.93E-10	2.55E-10
3151	438137	3762384	7.60E-10	2.59E-09	3.35E-09	1.18E-10	4.23E-10	5.41E-10	6.36E-11	1.96E-10	2.60E-10
3152	438140.5	3762392	7.74E-10	2.64E-09	3.41E-09	1.20E-10	4.31E-10	5.52E-10	6.48E-11	2.00E-10	2.65E-10
3153	438144.1	3762401	7.90E-10	2.69E-09	3.48E-09	1.23E-10	4.40E-10	5.63E-10	6.61E-11	2.04E-10	2.70E-10
3154	438147.7	3762410	8.05E-10	2.75E-09	3.55E-09	1.25E-10	4.49E-10	5.74E-10	6.74E-11	2.08E-10	2.75E-10
3155	438151.3	3762418	8.21E-10	2.80E-09	3.62E-09	1.28E-10	4.58E-10	5.85E-10	6.87E-11	2.12E-10	2.81E-10
3156	438154.8	3762427	8.38E-10	2.86E-09	3.70E-09	1.30E-10	4.67E-10	5.97E-10	7.02E-11	2.17E-10	2.87E-10
3157	438158.4	3762436	8.55E-10	2.92E-09	3.77E-09	1.33E-10	4.77E-10	6.09E-10	7.16E-11	2.21E-10	2.93E-10
3158	438162	3762444	8.73E-10	2.98E-09	3.85E-09	1.36E-10	4.86E-10	6.22E-10	7.31E-11	2.26E-10	2.99E-10
3159	438165.5	3762453	8.92E-10	3.04E-09	3.93E-09	1.39E-10	4.97E-10	6.35E-10	7.46E-11	2.30E-10	3.05E-10
3160	438169.1	3762462	9.11E-10	3.11E-09	4.02E-09	1.42E-10	5.07E-10	6.49E-10	7.62E-11	2.35E-10	3.12E-10
3161	438172.7	3762470	9.30E-10	3.17E-09	4.10E-09	1.45E-10	5.18E-10	6.63E-10	7.79E-11	2.40E-10	3.18E-10
3162	438176.2	3762479	9.50E-10	3.24E-09	4.19E-09	1.48E-10	5.29E-10	6.77E-10	7.95E-11	2.46E-10	3.25E-10
3163	438179.8	3762487	9.71E-10	3.31E-09	4.28E-09	1.51E-10	5.41E-10	6.92E-10	8.13E-11	2.51E-10	3.32E-10
3164	438183.4	3762496	9.92E-10	3.38E-09	4.37E-09	1.54E-10	5.53E-10	7.07E-10	8.30E-11	2.56E-10	3.39E-10
3165	438197.6	3762531	1.08E-09	3.69E-09	4.77E-09	1.68E-10	6.02E-10	7.71E-10	9.05E-11	2.79E-10	3.70E-10
3166	438201.2	3762539	1.10E-09	3.77E-09	4.87E-09	1.72E-10	6.16E-10	7.87E-10	9.25E-11	2.85E-10	3.78E-10
3167	438204.8	3762548	1.13E-09	3.85E-09	4.98E-09	1.75E-10	6.29E-10	8.04E-10	9.45E-11	2.92E-10	3.86E-10
3168	438208.3	3762557	1.15E-09	3.93E-09	5.08E-09	1.79E-10	6.42E-10	8.21E-10	9.65E-11	2.98E-10	3.94E-10

3169	438211.9	3762565	1.18E-09	4.01E-09	5.19E-09	1.83E-10	6.55E-10	8.38E-10	9.85E-11	3.04E-10	4.03E-10
3170	438215.5	3762574	1.20E-09	4.10E-09	5.30E-09	1.87E-10	6.69E-10	8.56E-10	1.01E-10	3.10E-10	4.11E-10
3171	438219.1	3762583	1.23E-09	4.18E-09	5.41E-09	1.90E-10	6.83E-10	8.73E-10	1.03E-10	3.17E-10	4.19E-10
3172	438233.3	3762617	1.32E-09	4.52E-09	5.84E-09	2.06E-10	7.38E-10	9.43E-10	1.11E-10	3.42E-10	4.53E-10
3173	438236.9	3762626	1.35E-09	4.60E-09	5.95E-09	2.10E-10	7.51E-10	9.61E-10	1.13E-10	3.48E-10	4.61E-10
3174	438240.5	3762634	1.37E-09	4.68E-09	6.05E-09	2.13E-10	7.65E-10	9.78E-10	1.15E-10	3.55E-10	4.70E-10
3175	438244	3762643	1.40E-09	4.76E-09	6.16E-09	2.17E-10	7.78E-10	9.95E-10	1.17E-10	3.61E-10	4.78E-10
3176	438247.6	3762652	1.42E-09	4.84E-09	6.26E-09	2.21E-10	7.91E-10	1.01E-09	1.19E-10	3.67E-10	4.86E-10
3177	438251.2	3762660	1.44E-09	4.92E-09	6.36E-09	2.24E-10	8.04E-10	1.03E-09	1.21E-10	3.73E-10	4.94E-10
3178	438254.7	3762669	1.47E-09	5.00E-09	6.46E-09	2.28E-10	8.17E-10	1.04E-09	1.23E-10	3.79E-10	5.01E-10
3179	438258.3	3762678	1.49E-09	5.07E-09	6.56E-09	2.31E-10	8.29E-10	1.06E-09	1.25E-10	3.84E-10	5.09E-10
3180	438261.9	3762686	1.51E-09	5.15E-09	6.66E-09	2.35E-10	8.41E-10	1.08E-09	1.26E-10	3.90E-10	5.16E-10
3181	438265.4	3762695	1.53E-09	5.22E-09	6.75E-09	2.38E-10	8.53E-10	1.09E-09	1.28E-10	3.96E-10	5.24E-10
3182	438269	3762703	1.55E-09	5.29E-09	6.84E-09	2.41E-10	8.64E-10	1.11E-09	1.30E-10	4.01E-10	5.31E-10
3183	438272.6	3762712	1.57E-09	5.36E-09	6.93E-09	2.44E-10	8.76E-10	1.12E-09	1.32E-10	4.06E-10	5.38E-10
3184	437599.5	3761978	2.93E-10	1.00E-09	1.29E-09	4.55E-11	1.63E-10	2.09E-10	2.45E-11	7.57E-11	1.00E-10
3185	437608.1	3761981	2.98E-10	1.02E-09	1.31E-09	4.63E-11	1.66E-10	2.12E-10	2.49E-11	7.70E-11	1.02E-10
3186	437616.8	3761985	3.03E-10	1.03E-09	1.33E-09	4.70E-11	1.69E-10	2.16E-10	2.53E-11	7.82E-11	1.04E-10
3187	437625.5	3761988	3.08E-10	1.05E-09	1.36E-09	4.78E-11	1.71E-10	2.19E-10	2.57E-11	7.95E-11	1.05E-10
3188	437634.2	3761992	3.12E-10	1.07E-09	1.38E-09	4.86E-11	1.74E-10	2.23E-10	2.62E-11	8.07E-11	1.07E-10
3189	437642.8	3761996	3.17E-10	1.08E-09	1.40E-09	4.93E-11	1.77E-10	2.26E-10	2.66E-11	8.20E-11	1.09E-10
3190	437651.5	3761999	3.22E-10	1.10E-09	1.42E-09	5.01E-11	1.80E-10	2.30E-10	2.70E-11	8.33E-11	1.10E-10
3191	437989.8	3762140	4.70E-10	1.60E-09	2.07E-09	7.31E-11	2.62E-10	3.35E-10	3.94E-11	1.22E-10	1.61E-10
3192	437998.5	3762143	4.72E-10	1.61E-09	2.08E-09	7.34E-11	2.63E-10	3.36E-10	3.95E-11	1.22E-10	1.62E-10
3193	438007.2	3762147	4.74E-10	1.62E-09	2.09E-09	7.36E-11	2.64E-10	3.38E-10	3.97E-11	1.22E-10	1.62E-10
3194	438015.8	3762150	4.75E-10	1.62E-09	2.10E-09	7.39E-11	2.65E-10	3.39E-10	3.98E-11	1.23E-10	1.63E-10
3195	438024.5	3762154	4.77E-10	1.63E-09	2.10E-09	7.41E-11	2.66E-10	3.40E-10	3.99E-11	1.23E-10	1.63E-10
3196	438033.2	3762158	4.78E-10	1.63E-09	2.11E-09	7.43E-11	2.66E-10	3.41E-10	4.00E-11	1.24E-10	1.64E-10
3197	438041.9	3762161	4.79E-10	1.63E-09	2.11E-09	7.45E-11	2.67E-10	3.42E-10	4.01E-11	1.24E-10	1.64E-10
3198	438050.5	3762165	4.81E-10	1.64E-09	2.12E-09	7.47E-11	2.68E-10	3.42E-10	4.02E-11	1.24E-10	1.64E-10
3199	438059.2	3762168	4.82E-10	1.64E-09	2.12E-09	7.48E-11	2.68E-10	3.43E-10	4.03E-11	1.24E-10	1.65E-10
3200	438067.9	3762172	4.83E-10	1.65E-09	2.13E-09	7.50E-11	2.69E-10	3.44E-10	4.04E-11	1.25E-10	1.65E-10
3201	438076.6	3762175	4.83E-10	1.65E-09	2.13E-09	7.51E-11	2.69E-10	3.44E-10	4.05E-11	1.25E-10	1.65E-10
3202	438085.2	3762179	4.84E-10	1.65E-09	2.14E-09	7.52E-11	2.70E-10	3.45E-10	4.05E-11	1.25E-10	1.66E-10
3203	438097.5	3762191	4.93E-10	1.68E-09	2.17E-09	7.66E-11	2.75E-10	3.51E-10	4.13E-11	1.27E-10	1.69E-10
3204	438101.1	3762200	5.02E-10	1.71E-09	2.21E-09	7.79E-11	2.79E-10	3.57E-10	4.20E-11	1.30E-10	1.72E-10
3205	438104.7	3762209	5.10E-10	1.74E-09	2.25E-09	7.93E-11	2.84E-10	3.63E-10	4.27E-11	1.32E-10	1.74E-10
3206	438108.3	3762217	5.19E-10	1.77E-09	2.29E-09	8.06E-11	2.89E-10	3.70E-10	4.34E-11	1.34E-10	1.77E-10
3207	438111.8	3762226	5.27E-10	1.80E-09	2.33E-09	8.20E-11	2.94E-10	3.76E-10	4.41E-11	1.36E-10	1.80E-10
3208	438115.4	3762235	5.36E-10	1.83E-09	2.36E-09	8.33E-11	2.99E-10	3.82E-10	4.49E-11	1.39E-10	1.83E-10
3209	438119	3762243	5.45E-10	1.86E-09	2.40E-09	8.47E-11	3.04E-10	3.88E-10	4.56E-11	1.41E-10	1.87E-10
3210	438122.6	3762252	5.54E-10	1.89E-09	2.44E-09	8.61E-11	3.09E-10	3.95E-10	4.64E-11	1.43E-10	1.90E-10
3211	438126.2	3762261	5.63E-10	1.92E-09	2.48E-09	8.75E-11	3.14E-10	4.01E-10	4.72E-11	1.46E-10	1.93E-10
3212	438129.8	3762269	5.73E-10	1.95E-09	2.53E-09	8.90E-11	3.19E-10	4.08E-10	4.79E-11	1.48E-10	1.96E-10
3213	438133.3	3762278	5.82E-10	1.99E-09	2.57E-09	9.05E-11	3.24E-10	4.15E-10	4.87E-11	1.50E-10	1.99E-10
3214	438136.9	3762287	5.92E-10	2.02E-09	2.61E-09	9.20E-11	3.30E-10	4.22E-10	4.96E-11	1.53E-10	2.03E-10
3215	438140.5	3762296	6.02E-10	2.05E-09	2.65E-09	9.35E-11	3.35E-10	4.29E-10	5.04E-11	1.56E-10	2.06E-10
3216	438144.1	3762304	6.12E-10	2.09E-09	2.70E-09	9.51E-11	3.41E-10	4.36E-10	5.12E-11	1.58E-10	2.09E-10
3217	438147.7	3762313	6.22E-10	2.12E-09	2.74E-09	9.67E-11	3.47E-10	4.43E-10	5.21E-11	1.61E-10	2.13E-10
3218	438151.3	3762322	6.33E-10	2.16E-09	2.79E-09	9.84E-11	3.53E-10	4.51E-10	5.30E-11	1.64E-10	2.17E-10
3219	438154.8	3762330	6.44E-10	2.20E-09	2.84E-09	1.00E-10	3.59E-10	4.59E-10	5.39E-11	1.66E-10	2.20E-10
3220	438158.4	3762339	6.55E-10	2.23E-09	2.89E-09	1.02E-10	3.65E-10	4.67E-10	5.48E-11	1.69E-10	2.24E-10
3221	438162	3762348	6.67E-10	2.27E-09	2.94E-09	1.04E-10	3.71E-10	4.75E-10	5.58E-11	1.72E-10	2.28E-10
3222	438165.6	3762356	6.79E-10	2.31E-09	2.99E-09	1.05E-10	3.78E-10	4.83E-10	5.68E-11	1.75E-10	2.32E-10
3223	438169.2	3762365	6.91E-10	2.36E-09	3.05E-09	1.07E-10	3.85E-10	4.92E-10	5.78E-11	1.79E-10	2.36E-10
3224	438172.8	3762374	7.04E-10	2.40E-09	3.10E-09	1.09E-10	3.92E-10	5.01E-10	5.89E-11	1.82E-10	2.41E-10
3225	438176.4	3762382	7.17E-10	2.44E-09	3.16E-09	1.11E-10	3.99E-10	5.11E-10	6.00E-11	1.85E-10	2.45E-10
3226	438179.9	3762391	7.30E-10	2.49E-09	3.22E-09	1.13E-10	4.07E-10	5.20E-10	6.11E-11	1.89E-10	2.50E-10
3227	438183.5	3762400	7.44E-10	2.54E-09	3.28E-09	1.16E-10	4.14E-10	5.30E-10	6.23E-11	1.92E-10	2.54E-10
3228	438187.1	3762408	7.58E-10	2.59E-09	3.34E-09	1.18E-10	4.22E-10	5.40E-10	6.35E-11	1.96E-10	2.59E-10
3229	438190.7	3762417	7.73E-10	2.64E-09	3.41E-09	1.20E-10	4.30E-10	5.51E-10	6.47E-11	2.00E-10	2.64E-10

3230	438194.3	3762426	7.88E-10	2.69E-09	3.47E-09	1.22E-10	4.39E-10	5.61E-10	6.60E-11	2.04E-10	2.70E-10
3231	438197.9	3762434	8.04E-10	2.74E-09	3.54E-09	1.25E-10	4.48E-10	5.73E-10	6.73E-11	2.08E-10	2.75E-10
3232	438201.4	3762443	8.20E-10	2.80E-09	3.62E-09	1.27E-10	4.57E-10	5.84E-10	6.86E-11	2.12E-10	2.80E-10
3233	438205	3762452	8.36E-10	2.85E-09	3.69E-09	1.30E-10	4.66E-10	5.96E-10	7.00E-11	2.16E-10	2.86E-10
3234	438208.6	3762460	8.54E-10	2.91E-09	3.76E-09	1.33E-10	4.76E-10	6.08E-10	7.14E-11	2.21E-10	2.92E-10
3235	438212.2	3762469	8.71E-10	2.97E-09	3.84E-09	1.35E-10	4.85E-10	6.21E-10	7.29E-11	2.25E-10	2.98E-10
3236	438215.8	3762478	8.89E-10	3.03E-09	3.92E-09	1.38E-10	4.95E-10	6.33E-10	7.44E-11	2.30E-10	3.04E-10
3237	438219.4	3762486	9.08E-10	3.10E-09	4.00E-09	1.41E-10	5.06E-10	6.47E-10	7.60E-11	2.35E-10	3.10E-10
3238	438223	3762495	9.26E-10	3.16E-09	4.09E-09	1.44E-10	5.16E-10	6.60E-10	7.75E-11	2.39E-10	3.17E-10
3239	438237.3	3762530	1.01E-09	3.43E-09	4.43E-09	1.56E-10	5.60E-10	7.16E-10	8.42E-11	2.60E-10	3.44E-10
3240	438240.9	3762539	1.03E-09	3.50E-09	4.52E-09	1.59E-10	5.72E-10	7.31E-10	8.59E-11	2.65E-10	3.51E-10
3241	438244.5	3762547	1.05E-09	3.57E-09	4.62E-09	1.63E-10	5.83E-10	7.46E-10	8.76E-11	2.70E-10	3.58E-10
3242	438248	3762556	1.07E-09	3.64E-09	4.71E-09	1.66E-10	5.95E-10	7.61E-10	8.94E-11	2.76E-10	3.65E-10
3243	438251.6	3762565	1.09E-09	3.71E-09	4.80E-09	1.69E-10	6.07E-10	7.76E-10	9.12E-11	2.81E-10	3.73E-10
3244	438255.2	3762573	1.11E-09	3.79E-09	4.90E-09	1.73E-10	6.18E-10	7.91E-10	9.29E-11	2.87E-10	3.80E-10
3245	438258.8	3762582	1.13E-09	3.86E-09	4.99E-09	1.76E-10	6.30E-10	8.06E-10	9.47E-11	2.92E-10	3.87E-10
3246	438294.6	3762669	1.34E-09	4.57E-09	5.91E-09	2.08E-10	7.46E-10	9.54E-10	1.12E-10	3.46E-10	4.58E-10
3247	438298.2	3762677	1.36E-09	4.63E-09	5.99E-09	2.11E-10	7.57E-10	9.68E-10	1.14E-10	3.51E-10	4.65E-10
3248	438301.8	3762686	1.38E-09	4.70E-09	6.07E-09	2.14E-10	7.67E-10	9.81E-10	1.15E-10	3.56E-10	4.71E-10
3249	438305.4	3762695	1.40E-09	4.76E-09	6.15E-09	2.17E-10	7.77E-10	9.94E-10	1.17E-10	3.60E-10	4.77E-10
3250	438309	3762703	1.41E-09	4.82E-09	6.23E-09	2.20E-10	7.87E-10	1.01E-09	1.18E-10	3.65E-10	4.83E-10
3251	438312.6	3762712	1.43E-09	4.88E-09	6.31E-09	2.22E-10	7.97E-10	1.02E-09	1.20E-10	3.70E-10	4.90E-10
3252	437599	3761938	2.67E-10	9.10E-10	1.18E-09	4.15E-11	1.49E-10	1.90E-10	2.23E-11	6.90E-11	9.13E-11
3253	437607.5	3761941	2.71E-10	9.24E-10	1.19E-09	4.21E-11	1.51E-10	1.93E-10	2.27E-11	7.00E-11	9.27E-11
3254	437616.1	3761945	2.75E-10	9.38E-10	1.21E-09	4.27E-11	1.53E-10	1.96E-10	2.30E-11	7.11E-11	9.41E-11
3255	437624.7	3761948	2.79E-10	9.52E-10	1.23E-09	4.34E-11	1.56E-10	1.99E-10	2.34E-11	7.22E-11	9.55E-11
3256	437633.3	3761952	2.83E-10	9.66E-10	1.25E-09	4.40E-11	1.58E-10	2.02E-10	2.37E-11	7.32E-11	9.70E-11
3257	437641.9	3761955	2.88E-10	9.81E-10	1.27E-09	4.47E-11	1.60E-10	2.05E-10	2.41E-11	7.43E-11	9.84E-11
3258	437650.4	3761959	2.92E-10	9.96E-10	1.29E-09	4.54E-11	1.63E-10	2.08E-10	2.44E-11	7.54E-11	9.99E-11
3259	437659	3761962	2.96E-10	1.01E-09	1.31E-09	4.61E-11	1.65E-10	2.11E-10	2.48E-11	7.66E-11	1.01E-10
3260	437667.6	3761966	3.01E-10	1.03E-09	1.33E-09	4.67E-11	1.68E-10	2.14E-10	2.52E-11	7.77E-11	1.03E-10
3261	437676.2	3761970	3.05E-10	1.04E-09	1.35E-09	4.74E-11	1.70E-10	2.17E-10	2.55E-11	7.89E-11	1.04E-10
3262	437684.7	3761973	3.10E-10	1.06E-09	1.37E-09	4.81E-11	1.73E-10	2.21E-10	2.59E-11	8.00E-11	1.06E-10
3263	437693.3	3761977	3.14E-10	1.07E-09	1.39E-09	4.88E-11	1.75E-10	2.24E-10	2.63E-11	8.12E-11	1.07E-10
3264	437701.9	3761980	3.18E-10	1.09E-09	1.40E-09	4.95E-11	1.77E-10	2.27E-10	2.67E-11	8.23E-11	1.09E-10
3265	437710.5	3761984	3.23E-10	1.10E-09	1.42E-09	5.01E-11	1.80E-10	2.30E-10	2.70E-11	8.34E-11	1.10E-10
3266	437719.1	3761987	3.27E-10	1.11E-09	1.44E-09	5.08E-11	1.82E-10	2.33E-10	2.74E-11	8.45E-11	1.12E-10
3267	437727.6	3761991	3.31E-10	1.13E-09	1.46E-09	5.14E-11	1.84E-10	2.36E-10	2.77E-11	8.56E-11	1.13E-10
3268	437736.2	3761994	3.35E-10	1.14E-09	1.48E-09	5.21E-11	1.87E-10	2.39E-10	2.81E-11	8.66E-11	1.15E-10
3269	437744.8	3761998	3.39E-10	1.16E-09	1.50E-09	5.27E-11	1.89E-10	2.42E-10	2.84E-11	8.77E-11	1.16E-10
3270	437993.5	3762101	4.28E-10	1.46E-09	1.89E-09	6.66E-11	2.39E-10	3.05E-10	3.59E-11	1.11E-10	1.47E-10
3271	438002.1	3762105	4.30E-10	1.47E-09	1.90E-09	6.68E-11	2.40E-10	3.07E-10	3.60E-11	1.11E-10	1.47E-10
3272	438010.7	3762108	4.32E-10	1.47E-09	1.91E-09	6.71E-11	2.41E-10	3.08E-10	3.62E-11	1.12E-10	1.48E-10
3273	438019.3	3762112	4.34E-10	1.48E-09	1.91E-09	6.74E-11	2.42E-10	3.09E-10	3.63E-11	1.12E-10	1.48E-10
3274	438027.9	3762115	4.35E-10	1.48E-09	1.92E-09	6.76E-11	2.42E-10	3.10E-10	3.64E-11	1.12E-10	1.49E-10
3275	438036.4	3762119	4.36E-10	1.49E-09	1.92E-09	6.78E-11	2.43E-10	3.11E-10	3.65E-11	1.13E-10	1.49E-10
3276	438045	3762122	4.38E-10	1.49E-09	1.93E-09	6.80E-11	2.44E-10	3.12E-10	3.66E-11	1.13E-10	1.50E-10
3277	438053.6	3762126	4.39E-10	1.50E-09	1.94E-09	6.82E-11	2.44E-10	3.13E-10	3.67E-11	1.13E-10	1.50E-10
3278	438062.2	3762130	4.40E-10	1.50E-09	1.94E-09	6.84E-11	2.45E-10	3.13E-10	3.68E-11	1.14E-10	1.51E-10
3279	438070.7	3762133	4.41E-10	1.50E-09	1.94E-09	6.85E-11	2.46E-10	3.14E-10	3.69E-11	1.14E-10	1.51E-10
3280	438079.3	3762137	4.42E-10	1.51E-09	1.95E-09	6.87E-11	2.46E-10	3.15E-10	3.70E-11	1.14E-10	1.51E-10
3281	438087.9	3762140	4.43E-10	1.51E-09	1.95E-09	6.88E-11	2.47E-10	3.16E-10	3.71E-11	1.14E-10	1.51E-10
3282	438096.5	3762144	4.44E-10	1.51E-09	1.96E-09	6.89E-11	2.47E-10	3.16E-10	3.71E-11	1.15E-10	1.52E-10
3283	438105.1	3762147	4.45E-10	1.52E-09	1.96E-09	6.91E-11	2.48E-10	3.17E-10	3.72E-11	1.15E-10	1.52E-10
3284	438113.6	3762151	4.45E-10	1.52E-09	1.96E-09	6.92E-11	2.48E-10	3.17E-10	3.73E-11	1.15E-10	1.52E-10
3285	438125.8	3762163	4.53E-10	1.54E-09	2.00E-09	7.04E-11	2.52E-10	3.23E-10	3.79E-11	1.17E-10	1.55E-10
3286	438129.3	3762172	4.60E-10	1.57E-09	2.03E-09	7.15E-11	2.56E-10	3.28E-10	3.85E-11	1.19E-10	1.57E-10
3287	438132.9	3762180	4.67E-10	1.59E-09	2.06E-09	7.26E-11	2.60E-10	3.33E-10	3.91E-11	1.21E-10	1.60E-10
3288	438136.4	3762189	4.74E-10	1.62E-09	2.09E-09	7.37E-11	2.64E-10	3.38E-10	3.97E-11	1.23E-10	1.62E-10
3289	438139.9	3762197	4.82E-10	1.64E-09	2.12E-09	7.49E-11	2.68E-10	3.43E-10	4.03E-11	1.24E-10	1.65E-10
3290	438143.5	3762206	4.89E-10	1.67E-09	2.16E-09	7.60E-11	2.73E-10	3.49E-10	4.10E-11	1.26E-10	1.67E-10

3291	438147	3762215	4.97E-10	1.69E-09	2.19E-09	7.72E-11	2.77E-10	3.54E-10	4.16E-11	1.28E-10	1.70E-10
3292	438150.6	3762223	5.05E-10	1.72E-09	2.23E-09	7.84E-11	2.81E-10	3.60E-10	4.22E-11	1.30E-10	1.73E-10
3293	438154.1	3762232	5.12E-10	1.75E-09	2.26E-09	7.96E-11	2.85E-10	3.65E-10	4.29E-11	1.32E-10	1.75E-10
3294	438157.7	3762240	5.20E-10	1.77E-09	2.29E-09	8.09E-11	2.90E-10	3.71E-10	4.36E-11	1.34E-10	1.78E-10
3295	438161.2	3762249	5.28E-10	1.80E-09	2.33E-09	8.21E-11	2.94E-10	3.76E-10	4.42E-11	1.37E-10	1.81E-10
3296	438164.7	3762257	5.36E-10	1.83E-09	2.37E-09	8.34E-11	2.99E-10	3.82E-10	4.49E-11	1.39E-10	1.84E-10
3297	438168.3	3762266	5.45E-10	1.86E-09	2.40E-09	8.46E-11	3.03E-10	3.88E-10	4.56E-11	1.41E-10	1.86E-10
3298	438171.8	3762275	5.53E-10	1.89E-09	2.44E-09	8.60E-11	3.08E-10	3.94E-10	4.63E-11	1.43E-10	1.89E-10
3299	438175.4	3762283	5.62E-10	1.92E-09	2.48E-09	8.73E-11	3.13E-10	4.00E-10	4.70E-11	1.45E-10	1.92E-10
3300	438178.9	3762292	5.71E-10	1.95E-09	2.52E-09	8.87E-11	3.18E-10	4.07E-10	4.78E-11	1.47E-10	1.95E-10
3301	438182.5	3762300	5.80E-10	1.98E-09	2.56E-09	9.00E-11	3.23E-10	4.13E-10	4.85E-11	1.50E-10	1.98E-10
3302	438186	3762309	5.89E-10	2.01E-09	2.60E-09	9.15E-11	3.28E-10	4.19E-10	4.93E-11	1.52E-10	2.01E-10
3303	438189.6	3762317	5.98E-10	2.04E-09	2.64E-09	9.30E-11	3.33E-10	4.26E-10	5.01E-11	1.55E-10	2.05E-10
3304	438193.1	3762326	6.08E-10	2.07E-09	2.68E-09	9.45E-11	3.39E-10	4.33E-10	5.09E-11	1.57E-10	2.08E-10
3305	438196.6	3762335	6.18E-10	2.11E-09	2.73E-09	9.60E-11	3.44E-10	4.40E-10	5.17E-11	1.60E-10	2.11E-10
3306	438200.2	3762343	6.28E-10	2.14E-09	2.77E-09	9.76E-11	3.50E-10	4.48E-10	5.26E-11	1.62E-10	2.15E-10
3307	438203.7	3762352	6.39E-10	2.18E-09	2.82E-09	9.93E-11	3.56E-10	4.55E-10	5.35E-11	1.65E-10	2.19E-10
3308	438207.3	3762360	6.50E-10	2.22E-09	2.87E-09	1.01E-10	3.62E-10	4.63E-10	5.44E-11	1.68E-10	2.22E-10
3309	438210.8	3762369	6.61E-10	2.25E-09	2.91E-09	1.03E-10	3.68E-10	4.71E-10	5.53E-11	1.71E-10	2.26E-10
3310	438214.4	3762378	6.72E-10	2.29E-09	2.97E-09	1.04E-10	3.75E-10	4.79E-10	5.63E-11	1.74E-10	2.30E-10
3311	438217.9	3762386	6.84E-10	2.33E-09	3.02E-09	1.06E-10	3.81E-10	4.88E-10	5.73E-11	1.77E-10	2.34E-10
3312	438221.5	3762395	6.97E-10	2.38E-09	3.07E-09	1.08E-10	3.88E-10	4.96E-10	5.83E-11	1.80E-10	2.38E-10
3313	438225	3762403	7.09E-10	2.42E-09	3.13E-09	1.10E-10	3.95E-10	5.05E-10	5.94E-11	1.83E-10	2.43E-10
3314	438228.5	3762412	7.22E-10	2.46E-09	3.19E-09	1.12E-10	4.02E-10	5.15E-10	6.05E-11	1.87E-10	2.47E-10
3315	438232.1	3762420	7.36E-10	2.51E-09	3.24E-09	1.14E-10	4.10E-10	5.24E-10	6.16E-11	1.90E-10	2.52E-10
3316	438235.6	3762429	7.50E-10	2.56E-09	3.31E-09	1.16E-10	4.18E-10	5.34E-10	6.27E-11	1.94E-10	2.56E-10
3317	438239.2	3762438	7.64E-10	2.60E-09	3.37E-09	1.19E-10	4.26E-10	5.44E-10	6.39E-11	1.97E-10	2.61E-10
3318	438242.7	3762446	7.79E-10	2.65E-09	3.43E-09	1.21E-10	4.34E-10	5.55E-10	6.52E-11	2.01E-10	2.66E-10
3319	438246.3	3762455	7.94E-10	2.71E-09	3.50E-09	1.23E-10	4.42E-10	5.65E-10	6.64E-11	2.05E-10	2.71E-10
3320	438249.8	3762463	8.09E-10	2.76E-09	3.57E-09	1.26E-10	4.51E-10	5.76E-10	6.77E-11	2.09E-10	2.77E-10
3321	438253.4	3762472	8.25E-10	2.81E-09	3.64E-09	1.28E-10	4.59E-10	5.88E-10	6.90E-11	2.13E-10	2.82E-10
3322	438256.9	3762481	8.41E-10	2.87E-09	3.71E-09	1.31E-10	4.68E-10	5.99E-10	7.04E-11	2.17E-10	2.88E-10
3323	438260.4	3762489	8.57E-10	2.92E-09	3.78E-09	1.33E-10	4.77E-10	6.11E-10	7.17E-11	2.21E-10	2.93E-10
3324	438264	3762498	8.74E-10	2.98E-09	3.85E-09	1.36E-10	4.87E-10	6.22E-10	7.31E-11	2.26E-10	2.99E-10
3325	438299.4	3762584	1.05E-09	3.59E-09	4.64E-09	1.64E-10	5.86E-10	7.50E-10	8.81E-11	2.72E-10	3.60E-10
3326	438313.6	3762618	1.13E-09	3.84E-09	4.97E-09	1.75E-10	6.27E-10	8.02E-10	9.43E-11	2.91E-10	3.85E-10
3327	438317.2	3762626	1.14E-09	3.90E-09	5.05E-09	1.78E-10	6.37E-10	8.15E-10	9.58E-11	2.96E-10	3.91E-10
3328	438320.7	3762635	1.16E-09	3.96E-09	5.13E-09	1.81E-10	6.47E-10	8.28E-10	9.73E-11	3.00E-10	3.98E-10
3329	438324.2	3762644	1.18E-09	4.02E-09	5.20E-09	1.83E-10	6.57E-10	8.41E-10	9.88E-11	3.05E-10	4.04E-10
3330	438327.8	3762652	1.20E-09	4.08E-09	5.28E-09	1.86E-10	6.67E-10	8.53E-10	1.00E-10	3.09E-10	4.10E-10
3331	438331.3	3762661	1.21E-09	4.14E-09	5.36E-09	1.89E-10	6.77E-10	8.65E-10	1.02E-10	3.14E-10	4.15E-10
3332	438334.9	3762669	1.23E-09	4.20E-09	5.43E-09	1.91E-10	6.86E-10	8.77E-10	1.03E-10	3.18E-10	4.21E-10
3333	438338.4	3762678	1.25E-09	4.25E-09	5.50E-09	1.94E-10	6.95E-10	8.88E-10	1.04E-10	3.22E-10	4.27E-10
3334	438342	3762687	1.26E-09	4.31E-09	5.57E-09	1.96E-10	7.03E-10	9.00E-10	1.06E-10	3.26E-10	4.32E-10
3335	438345.5	3762695	1.28E-09	4.36E-09	5.64E-09	1.99E-10	7.12E-10	9.11E-10	1.07E-10	3.30E-10	4.37E-10
3336	438349.1	3762704	1.29E-09	4.41E-09	5.70E-09	2.01E-10	7.21E-10	9.21E-10	1.08E-10	3.34E-10	4.42E-10
3337	437616.4	3761905	2.53E-10	8.61E-10	1.11E-09	3.92E-11	1.41E-10	1.80E-10	2.11E-11	6.53E-11	8.64E-11
3338	437625	3761908	2.56E-10	8.74E-10	1.13E-09	3.98E-11	1.43E-10	1.83E-10	2.15E-11	6.62E-11	8.77E-11
3339	437633.6	3761912	2.60E-10	8.86E-10	1.15E-09	4.04E-11	1.45E-10	1.85E-10	2.18E-11	6.72E-11	8.89E-11
3340	437642.2	3761915	2.64E-10	8.99E-10	1.16E-09	4.10E-11	1.47E-10	1.88E-10	2.21E-11	6.81E-11	9.02E-11
3341	437650.8	3761919	2.67E-10	9.12E-10	1.18E-09	4.15E-11	1.49E-10	1.90E-10	2.24E-11	6.91E-11	9.15E-11
3342	437659.5	3761923	2.71E-10	9.25E-10	1.20E-09	4.21E-11	1.51E-10	1.93E-10	2.27E-11	7.01E-11	9.28E-11
3343	437668.1	3761926	2.75E-10	9.38E-10	1.21E-09	4.27E-11	1.53E-10	1.96E-10	2.30E-11	7.11E-11	9.41E-11
3344	437676.7	3761930	2.79E-10	9.51E-10	1.23E-09	4.33E-11	1.55E-10	1.99E-10	2.33E-11	7.20E-11	9.54E-11
3345	437685.3	3761933	2.83E-10	9.64E-10	1.25E-09	4.39E-11	1.57E-10	2.01E-10	2.37E-11	7.30E-11	9.67E-11
3346	437693.9	3761937	2.86E-10	9.77E-10	1.26E-09	4.45E-11	1.60E-10	2.04E-10	2.40E-11	7.40E-11	9.80E-11
3347	437702.5	3761940	2.90E-10	9.90E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.50E-11	9.93E-11
3348	437711.1	3761944	2.94E-10	1.00E-09	1.30E-09	4.57E-11	1.64E-10	2.09E-10	2.46E-11	7.60E-11	1.01E-10
3349	437719.8	3761948	2.98E-10	1.02E-09	1.31E-09	4.63E-11	1.66E-10	2.12E-10	2.49E-11	7.69E-11	1.02E-10
3350	437728.4	3761951	3.01E-10	1.03E-09	1.33E-09	4.68E-11	1.68E-10	2.15E-10	2.52E-11	7.79E-11	1.03E-10
3351	437737	3761955	3.05E-10	1.04E-09	1.35E-09	4.74E-11	1.70E-10	2.18E-10	2.56E-11	7.89E-11	1.04E-10

3352	437745.6	3761958	3.09E-10	1.05E-09	1.36E-09	4.80E-11	1.72E-10	2.20E-10	2.59E-11	7.99E-11	1.06E-10
3353	437754.2	3761962	3.13E-10	1.07E-09	1.38E-09	4.86E-11	1.74E-10	2.23E-10	2.62E-11	8.09E-11	1.07E-10
3354	437762.8	3761965	3.17E-10	1.08E-09	1.40E-09	4.92E-11	1.76E-10	2.26E-10	2.65E-11	8.18E-11	1.08E-10
3355	437771.5	3761969	3.21E-10	1.09E-09	1.41E-09	4.98E-11	1.79E-10	2.28E-10	2.68E-11	8.28E-11	1.10E-10
3356	437780.1	3761973	3.24E-10	1.11E-09	1.43E-09	5.04E-11	1.81E-10	2.31E-10	2.71E-11	8.38E-11	1.11E-10
3357	437788.7	3761976	3.28E-10	1.12E-09	1.45E-09	5.09E-11	1.83E-10	2.34E-10	2.74E-11	8.47E-11	1.12E-10
3358	437797.3	3761980	3.31E-10	1.13E-09	1.46E-09	5.15E-11	1.85E-10	2.36E-10	2.77E-11	8.56E-11	1.13E-10
3359	437805.9	3761983	3.35E-10	1.14E-09	1.48E-09	5.20E-11	1.86E-10	2.38E-10	2.80E-11	8.65E-11	1.15E-10
3360	437814.5	3761987	3.38E-10	1.15E-09	1.49E-09	5.25E-11	1.88E-10	2.41E-10	2.83E-11	8.73E-11	1.16E-10
3361	437823.1	3761990	3.41E-10	1.16E-09	1.51E-09	5.30E-11	1.90E-10	2.43E-10	2.86E-11	8.82E-11	1.17E-10
3362	437831.8	3761994	3.44E-10	1.17E-09	1.52E-09	5.35E-11	1.92E-10	2.45E-10	2.88E-11	8.90E-11	1.18E-10
3363	437840.4	3761998	3.47E-10	1.18E-09	1.53E-09	5.39E-11	1.93E-10	2.47E-10	2.91E-11	8.97E-11	1.19E-10
3364	438090.2	3762101	4.07E-10	1.39E-09	1.79E-09	6.32E-11	2.27E-10	2.90E-10	3.40E-11	1.05E-10	1.39E-10
3365	438098.8	3762105	4.08E-10	1.39E-09	1.80E-09	6.33E-11	2.27E-10	2.90E-10	3.41E-11	1.05E-10	1.39E-10
3366	438107.4	3762108	4.09E-10	1.39E-09	1.80E-09	6.35E-11	2.28E-10	2.91E-10	3.42E-11	1.06E-10	1.40E-10
3367	438116.1	3762112	4.09E-10	1.40E-09	1.81E-09	6.36E-11	2.28E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10
3368	438124.7	3762115	4.10E-10	1.40E-09	1.81E-09	6.37E-11	2.28E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10
3369	438133.3	3762119	4.11E-10	1.40E-09	1.81E-09	6.38E-11	2.29E-10	2.93E-10	3.44E-11	1.06E-10	1.41E-10
3370	438141.9	3762123	4.12E-10	1.40E-09	1.81E-09	6.39E-11	2.29E-10	2.93E-10	3.44E-11	1.06E-10	1.41E-10
3371	438154.1	3762135	4.18E-10	1.43E-09	1.84E-09	6.50E-11	2.33E-10	2.98E-10	3.50E-11	1.08E-10	1.43E-10
3372	438157.6	3762143	4.24E-10	1.45E-09	1.87E-09	6.59E-11	2.36E-10	3.02E-10	3.55E-11	1.10E-10	1.45E-10
3373	438161.2	3762152	4.31E-10	1.47E-09	1.90E-09	6.69E-11	2.40E-10	3.07E-10	3.60E-11	1.11E-10	1.47E-10
3374	438164.8	3762161	4.37E-10	1.49E-09	1.93E-09	6.79E-11	2.43E-10	3.11E-10	3.66E-11	1.13E-10	1.49E-10
3375	438168.3	3762169	4.43E-10	1.51E-09	1.95E-09	6.89E-11	2.47E-10	3.16E-10	3.71E-11	1.14E-10	1.52E-10
3376	438171.9	3762178	4.50E-10	1.53E-09	1.98E-09	6.99E-11	2.50E-10	3.20E-10	3.76E-11	1.16E-10	1.54E-10
3377	438175.4	3762187	4.56E-10	1.56E-09	2.01E-09	7.09E-11	2.54E-10	3.25E-10	3.82E-11	1.18E-10	1.56E-10
3378	438179	3762195	4.63E-10	1.58E-09	2.04E-09	7.19E-11	2.58E-10	3.30E-10	3.87E-11	1.20E-10	1.58E-10
3379	438182.6	3762204	4.70E-10	1.60E-09	2.07E-09	7.30E-11	2.62E-10	3.35E-10	3.93E-11	1.21E-10	1.61E-10
3380	438186.1	3762212	4.76E-10	1.62E-09	2.10E-09	7.40E-11	2.65E-10	3.39E-10	3.99E-11	1.23E-10	1.63E-10
3381	438189.7	3762221	4.83E-10	1.65E-09	2.13E-09	7.51E-11	2.69E-10	3.44E-10	4.05E-11	1.25E-10	1.65E-10
3382	438193.2	3762230	4.90E-10	1.67E-09	2.16E-09	7.62E-11	2.73E-10	3.49E-10	4.11E-11	1.27E-10	1.68E-10
3383	438196.8	3762238	4.98E-10	1.70E-09	2.19E-09	7.73E-11	2.77E-10	3.55E-10	4.17E-11	1.29E-10	1.70E-10
3384	438200.4	3762247	5.05E-10	1.72E-09	2.23E-09	7.85E-11	2.81E-10	3.60E-10	4.23E-11	1.30E-10	1.73E-10
3385	438203.9	3762255	5.12E-10	1.75E-09	2.26E-09	7.96E-11	2.85E-10	3.65E-10	4.29E-11	1.32E-10	1.75E-10
3386	438207.5	3762264	5.20E-10	1.77E-09	2.29E-09	8.08E-11	2.90E-10	3.70E-10	4.35E-11	1.34E-10	1.78E-10
3387	438211	3762273	5.28E-10	1.80E-09	2.33E-09	8.20E-11	2.94E-10	3.76E-10	4.42E-11	1.36E-10	1.80E-10
3388	438214.6	3762281	5.35E-10	1.83E-09	2.36E-09	8.32E-11	2.98E-10	3.81E-10	4.48E-11	1.38E-10	1.83E-10
3389	438218.2	3762290	5.43E-10	1.85E-09	2.40E-09	8.44E-11	3.03E-10	3.87E-10	4.55E-11	1.40E-10	1.86E-10
3390	438221.7	3762299	5.52E-10	1.88E-09	2.43E-09	8.57E-11	3.07E-10	3.93E-10	4.62E-11	1.43E-10	1.89E-10
3391	438225.3	3762307	5.60E-10	1.91E-09	2.47E-09	8.70E-11	3.12E-10	3.99E-10	4.69E-11	1.45E-10	1.92E-10
3392	438228.8	3762316	5.69E-10	1.94E-09	2.51E-09	8.84E-11	3.17E-10	4.05E-10	4.76E-11	1.47E-10	1.95E-10
3393	438232.4	3762324	5.78E-10	1.97E-09	2.55E-09	8.98E-11	3.22E-10	4.12E-10	4.84E-11	1.49E-10	1.98E-10
3394	438236	3762333	5.87E-10	2.00E-09	2.59E-09	9.12E-11	3.27E-10	4.18E-10	4.91E-11	1.52E-10	2.01E-10
3395	438239.5	3762342	5.96E-10	2.03E-09	2.63E-09	9.26E-11	3.32E-10	4.25E-10	4.99E-11	1.54E-10	2.04E-10
3396	438243.1	3762350	6.06E-10	2.07E-09	2.67E-09	9.41E-11	3.38E-10	4.32E-10	5.07E-11	1.57E-10	2.07E-10
3397	438246.6	3762359	6.16E-10	2.10E-09	2.72E-09	9.57E-11	3.43E-10	4.39E-10	5.15E-11	1.59E-10	2.11E-10
3398	438250.2	3762368	6.26E-10	2.13E-09	2.76E-09	9.73E-11	3.49E-10	4.46E-10	5.24E-11	1.62E-10	2.14E-10
3399	438253.8	3762376	6.37E-10	2.17E-09	2.81E-09	9.89E-11	3.55E-10	4.54E-10	5.33E-11	1.65E-10	2.18E-10
3400	438257.3	3762385	6.48E-10	2.21E-09	2.86E-09	1.01E-10	3.61E-10	4.61E-10	5.42E-11	1.67E-10	2.22E-10
3401	438260.9	3762393	6.59E-10	2.25E-09	2.91E-09	1.02E-10	3.67E-10	4.69E-10	5.51E-11	1.70E-10	2.25E-10
3402	438264.4	3762402	6.70E-10	2.29E-09	2.96E-09	1.04E-10	3.74E-10	4.78E-10	5.61E-11	1.73E-10	2.29E-10
3403	438268	3762411	6.82E-10	2.33E-09	3.01E-09	1.06E-10	3.80E-10	4.86E-10	5.71E-11	1.76E-10	2.33E-10
3404	438271.6	3762419	6.95E-10	2.37E-09	3.06E-09	1.08E-10	3.87E-10	4.95E-10	5.82E-11	1.80E-10	2.38E-10
3405	438275.1	3762428	7.07E-10	2.41E-09	3.12E-09	1.10E-10	3.94E-10	5.04E-10	5.92E-11	1.83E-10	2.42E-10
3406	438278.7	3762436	7.20E-10	2.46E-09	3.18E-09	1.12E-10	4.01E-10	5.13E-10	6.03E-11	1.86E-10	2.46E-10
3407	438282.2	3762445	7.34E-10	2.50E-09	3.24E-09	1.14E-10	4.09E-10	5.23E-10	6.14E-11	1.90E-10	2.51E-10
3408	438285.8	3762454	7.47E-10	2.55E-09	3.29E-09	1.16E-10	4.16E-10	5.32E-10	6.25E-11	1.93E-10	2.56E-10
3409	438289.4	3762462	7.61E-10	2.59E-09	3.36E-09	1.18E-10	4.24E-10	5.42E-10	6.37E-11	1.97E-10	2.60E-10
3410	438292.9	3762471	7.75E-10	2.64E-09	3.42E-09	1.20E-10	4.32E-10	5.52E-10	6.49E-11	2.00E-10	2.65E-10
3411	438296.5	3762480	7.90E-10	2.69E-09	3.48E-09	1.23E-10	4.40E-10	5.63E-10	6.61E-11	2.04E-10	2.70E-10
3412	438300	3762488	8.04E-10	2.74E-09	3.55E-09	1.25E-10	4.48E-10	5.73E-10	6.73E-11	2.08E-10	2.75E-10

3413	438303.6	3762497	8.19E-10	2.79E-09	3.61E-09	1.27E-10	4.56E-10	5.84E-10	6.86E-11	2.12E-10	2.80E-10
3414	438317.8	3762531	8.81E-10	3.00E-09	3.88E-09	1.37E-10	4.91E-10	6.28E-10	7.37E-11	2.28E-10	3.01E-10
3415	438321.4	3762540	8.97E-10	3.06E-09	3.96E-09	1.39E-10	5.00E-10	6.39E-10	7.51E-11	2.32E-10	3.07E-10
3416	438324.9	3762549	9.13E-10	3.11E-09	4.03E-09	1.42E-10	5.09E-10	6.50E-10	7.64E-11	2.36E-10	3.12E-10
3417	438328.5	3762557	9.29E-10	3.17E-09	4.10E-09	1.44E-10	5.18E-10	6.62E-10	7.78E-11	2.40E-10	3.18E-10
3418	438332.1	3762566	9.45E-10	3.22E-09	4.17E-09	1.47E-10	5.26E-10	6.73E-10	7.91E-11	2.44E-10	3.23E-10
3419	438335.6	3762574	9.61E-10	3.28E-09	4.24E-09	1.49E-10	5.35E-10	6.85E-10	8.05E-11	2.48E-10	3.29E-10
3420	438339.2	3762583	9.77E-10	3.33E-09	4.31E-09	1.52E-10	5.44E-10	6.96E-10	8.18E-11	2.53E-10	3.34E-10
3421	438342.7	3762592	9.94E-10	3.39E-09	4.38E-09	1.54E-10	5.53E-10	7.08E-10	8.32E-11	2.57E-10	3.40E-10
3422	438389	3762704	1.19E-09	4.05E-09	5.24E-09	1.85E-10	6.62E-10	8.47E-10	9.95E-11	3.07E-10	4.07E-10
3423	438392.6	3762712	1.20E-09	4.10E-09	5.30E-09	1.87E-10	6.70E-10	8.56E-10	1.01E-10	3.11E-10	4.11E-10
3424	437668.5	3761886	2.53E-10	8.62E-10	1.12E-09	3.93E-11	1.41E-10	1.80E-10	2.12E-11	6.53E-11	8.65E-11
3425	437677.2	3761890	2.56E-10	8.73E-10	1.13E-09	3.98E-11	1.43E-10	1.82E-10	2.14E-11	6.62E-11	8.76E-11
3426	437685.8	3761894	2.59E-10	8.84E-10	1.14E-09	4.03E-11	1.44E-10	1.85E-10	2.17E-11	6.70E-11	8.87E-11
3427	437694.5	3761897	2.63E-10	8.95E-10	1.16E-09	4.08E-11	1.46E-10	1.87E-10	2.20E-11	6.79E-11	8.98E-11
3428	437703.1	3761901	2.66E-10	9.06E-10	1.17E-09	4.13E-11	1.48E-10	1.89E-10	2.22E-11	6.87E-11	9.09E-11
3429	437711.8	3761904	2.69E-10	9.17E-10	1.19E-09	4.18E-11	1.50E-10	1.92E-10	2.25E-11	6.95E-11	9.20E-11
3430	437720.4	3761908	2.72E-10	9.29E-10	1.20E-09	4.23E-11	1.52E-10	1.94E-10	2.28E-11	7.04E-11	9.31E-11
3431	437729.1	3761911	2.75E-10	9.39E-10	1.21E-09	4.28E-11	1.53E-10	1.96E-10	2.31E-11	7.12E-11	9.42E-11
3432	437737.7	3761915	2.79E-10	9.51E-10	1.23E-09	4.33E-11	1.55E-10	1.99E-10	2.33E-11	7.21E-11	9.54E-11
3433	437746.4	3761919	2.82E-10	9.63E-10	1.25E-09	4.39E-11	1.57E-10	2.01E-10	2.36E-11	7.30E-11	9.66E-11
3434	437755	3761922	2.86E-10	9.75E-10	1.26E-09	4.44E-11	1.59E-10	2.04E-10	2.39E-11	7.39E-11	9.78E-11
3435	437763.7	3761926	2.89E-10	9.87E-10	1.28E-09	4.50E-11	1.61E-10	2.06E-10	2.42E-11	7.48E-11	9.90E-11
3436	437772.3	3761929	2.93E-10	9.99E-10	1.29E-09	4.55E-11	1.63E-10	2.09E-10	2.45E-11	7.57E-11	1.00E-10
3437	437781	3761933	2.97E-10	1.01E-09	1.31E-09	4.61E-11	1.65E-10	2.11E-10	2.48E-11	7.66E-11	1.01E-10
3438	437789.6	3761937	3.00E-10	1.02E-09	1.32E-09	4.66E-11	1.67E-10	2.14E-10	2.51E-11	7.75E-11	1.03E-10
3439	437798.3	3761940	3.03E-10	1.03E-09	1.34E-09	4.71E-11	1.69E-10	2.16E-10	2.54E-11	7.84E-11	1.04E-10
3440	437806.9	3761944	3.07E-10	1.05E-09	1.35E-09	4.76E-11	1.71E-10	2.18E-10	2.57E-11	7.92E-11	1.05E-10
3441	437815.5	3761947	3.10E-10	1.06E-09	1.37E-09	4.82E-11	1.73E-10	2.21E-10	2.59E-11	8.01E-11	1.06E-10
3442	437824.2	3761951	3.13E-10	1.07E-09	1.38E-09	4.86E-11	1.74E-10	2.23E-10	2.62E-11	8.09E-11	1.07E-10
3443	437832.8	3761954	3.16E-10	1.08E-09	1.39E-09	4.91E-11	1.76E-10	2.25E-10	2.64E-11	8.16E-11	1.08E-10
3444	437841.5	3761958	3.19E-10	1.09E-09	1.40E-09	4.95E-11	1.77E-10	2.27E-10	2.67E-11	8.23E-11	1.09E-10
3445	437850.1	3761962	3.21E-10	1.10E-09	1.42E-09	4.99E-11	1.79E-10	2.29E-10	2.69E-11	8.30E-11	1.10E-10
3446	437858.8	3761965	3.24E-10	1.10E-09	1.43E-09	5.03E-11	1.80E-10	2.31E-10	2.71E-11	8.37E-11	1.11E-10
3447	437867.4	3761969	3.27E-10	1.11E-09	1.44E-09	5.07E-11	1.82E-10	2.33E-10	2.73E-11	8.44E-11	1.12E-10
3448	437876.1	3761972	3.29E-10	1.12E-09	1.45E-09	5.11E-11	1.83E-10	2.34E-10	2.75E-11	8.50E-11	1.13E-10
3449	437884.7	3761976	3.31E-10	1.13E-09	1.46E-09	5.15E-11	1.85E-10	2.36E-10	2.77E-11	8.56E-11	1.13E-10
3450	437893.4	3761980	3.34E-10	1.14E-09	1.47E-09	5.19E-11	1.86E-10	2.38E-10	2.79E-11	8.63E-11	1.14E-10
3451	437902	3761983	3.36E-10	1.15E-09	1.48E-09	5.23E-11	1.87E-10	2.40E-10	2.81E-11	8.69E-11	1.15E-10
3452	437910.7	3761987	3.39E-10	1.15E-09	1.49E-09	5.26E-11	1.89E-10	2.41E-10	2.83E-11	8.75E-11	1.16E-10
3453	437919.3	3761990	3.41E-10	1.16E-09	1.50E-09	5.30E-11	1.90E-10	2.43E-10	2.85E-11	8.81E-11	1.17E-10
3454	437928	3761994	3.43E-10	1.17E-09	1.51E-09	5.33E-11	1.91E-10	2.45E-10	2.87E-11	8.87E-11	1.17E-10
3455	437936.6	3761997	3.46E-10	1.18E-09	1.52E-09	5.37E-11	1.93E-10	2.46E-10	2.89E-11	8.93E-11	1.18E-10
3456	438182.4	3762107	3.88E-10	1.32E-09	1.71E-09	6.03E-11	2.16E-10	2.76E-10	3.25E-11	1.00E-10	1.33E-10
3457	438186	3762115	3.93E-10	1.34E-09	1.74E-09	6.11E-11	2.19E-10	2.80E-10	3.29E-11	1.02E-10	1.35E-10
3458	438189.5	3762124	3.99E-10	1.36E-09	1.76E-09	6.20E-11	2.22E-10	2.84E-10	3.34E-11	1.03E-10	1.36E-10
3459	438193.1	3762133	4.04E-10	1.38E-09	1.78E-09	6.28E-11	2.25E-10	2.88E-10	3.39E-11	1.05E-10	1.38E-10
3460	438196.7	3762141	4.10E-10	1.40E-09	1.81E-09	6.37E-11	2.28E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10
3461	438200.3	3762150	4.16E-10	1.42E-09	1.83E-09	6.46E-11	2.32E-10	2.96E-10	3.48E-11	1.07E-10	1.42E-10
3462	438203.8	3762158	4.21E-10	1.44E-09	1.86E-09	6.55E-11	2.35E-10	3.00E-10	3.53E-11	1.09E-10	1.44E-10
3463	438207.4	3762167	4.27E-10	1.46E-09	1.88E-09	6.63E-11	2.38E-10	3.04E-10	3.57E-11	1.10E-10	1.46E-10
3464	438211	3762176	4.33E-10	1.48E-09	1.91E-09	6.72E-11	2.41E-10	3.08E-10	3.62E-11	1.12E-10	1.48E-10
3465	438214.6	3762184	4.39E-10	1.50E-09	1.93E-09	6.82E-11	2.44E-10	3.13E-10	3.67E-11	1.13E-10	1.50E-10
3466	438218.1	3762193	4.45E-10	1.52E-09	1.96E-09	6.91E-11	2.48E-10	3.17E-10	3.72E-11	1.15E-10	1.52E-10
3467	438221.7	3762202	4.51E-10	1.54E-09	1.99E-09	7.01E-11	2.51E-10	3.21E-10	3.77E-11	1.16E-10	1.54E-10
3468	438225.3	3762210	4.57E-10	1.56E-09	2.02E-09	7.10E-11	2.55E-10	3.26E-10	3.83E-11	1.18E-10	1.56E-10
3469	438228.9	3762219	4.63E-10	1.58E-09	2.04E-09	7.20E-11	2.58E-10	3.30E-10	3.88E-11	1.20E-10	1.58E-10
3470	438232.4	3762228	4.70E-10	1.60E-09	2.07E-09	7.30E-11	2.62E-10	3.35E-10	3.93E-11	1.21E-10	1.61E-10
3471	438236	3762236	4.76E-10	1.62E-09	2.10E-09	7.40E-11	2.65E-10	3.39E-10	3.99E-11	1.23E-10	1.63E-10
3472	438239.6	3762245	4.83E-10	1.65E-09	2.13E-09	7.50E-11	2.69E-10	3.44E-10	4.04E-11	1.25E-10	1.65E-10
3473	438243.2	3762254	4.90E-10	1.67E-09	2.16E-09	7.61E-11	2.73E-10	3.49E-10	4.10E-11	1.27E-10	1.67E-10

3474	438246.7	3762262	4.97E-10	1.69E-09	2.19E-09	7.72E-11	2.77E-10	3.54E-10	4.16E-11	1.28E-10	1.70E-10
3475	438250.3	3762271	5.04E-10	1.72E-09	2.22E-09	7.82E-11	2.81E-10	3.59E-10	4.21E-11	1.30E-10	1.72E-10
3476	438253.9	3762280	5.11E-10	1.74E-09	2.25E-09	7.94E-11	2.85E-10	3.64E-10	4.28E-11	1.32E-10	1.75E-10
3477	438257.4	3762288	5.18E-10	1.77E-09	2.28E-09	8.05E-11	2.89E-10	3.69E-10	4.34E-11	1.34E-10	1.77E-10
3478	438261	3762297	5.26E-10	1.79E-09	2.32E-09	8.17E-11	2.93E-10	3.74E-10	4.40E-11	1.36E-10	1.80E-10
3479	438264.6	3762306	5.33E-10	1.82E-09	2.35E-09	8.29E-11	2.97E-10	3.80E-10	4.46E-11	1.38E-10	1.82E-10
3480	438268.2	3762314	5.41E-10	1.85E-09	2.39E-09	8.41E-11	3.02E-10	3.86E-10	4.53E-11	1.40E-10	1.85E-10
3481	438271.7	3762323	5.49E-10	1.87E-09	2.42E-09	8.54E-11	3.06E-10	3.91E-10	4.60E-11	1.42E-10	1.88E-10
3482	438275.3	3762332	5.58E-10	1.90E-09	2.46E-09	8.67E-11	3.11E-10	3.97E-10	4.67E-11	1.44E-10	1.91E-10
3483	438278.9	3762340	5.67E-10	1.93E-09	2.50E-09	8.80E-11	3.16E-10	4.04E-10	4.74E-11	1.46E-10	1.94E-10
3484	438282.5	3762349	5.76E-10	1.96E-09	2.54E-09	8.94E-11	3.21E-10	4.10E-10	4.82E-11	1.49E-10	1.97E-10
3485	438286	3762358	5.85E-10	1.99E-09	2.58E-09	9.08E-11	3.26E-10	4.17E-10	4.89E-11	1.51E-10	2.00E-10
3486	438300.3	3762392	6.25E-10	2.13E-09	2.75E-09	9.70E-11	3.48E-10	4.45E-10	5.23E-11	1.61E-10	2.14E-10
3487	438303.9	3762401	6.35E-10	2.17E-09	2.80E-09	9.87E-11	3.54E-10	4.53E-10	5.32E-11	1.64E-10	2.17E-10
3488	438307.5	3762409	6.46E-10	2.20E-09	2.85E-09	1.00E-10	3.60E-10	4.60E-10	5.41E-11	1.67E-10	2.21E-10
3489	438311.1	3762418	6.57E-10	2.24E-09	2.90E-09	1.02E-10	3.66E-10	4.68E-10	5.50E-11	1.70E-10	2.25E-10
3490	438314.6	3762427	6.69E-10	2.28E-09	2.95E-09	1.04E-10	3.73E-10	4.77E-10	5.60E-11	1.73E-10	2.29E-10
3491	438325.4	3762453	7.05E-10	2.40E-09	3.11E-09	1.10E-10	3.93E-10	5.02E-10	5.90E-11	1.82E-10	2.41E-10
3492	438328.9	3762461	7.18E-10	2.45E-09	3.16E-09	1.12E-10	4.00E-10	5.11E-10	6.01E-11	1.85E-10	2.46E-10
3493	438332.5	3762470	7.31E-10	2.49E-09	3.22E-09	1.14E-10	4.07E-10	5.20E-10	6.11E-11	1.89E-10	2.50E-10
3494	438336.1	3762479	7.43E-10	2.54E-09	3.28E-09	1.16E-10	4.14E-10	5.30E-10	6.22E-11	1.92E-10	2.54E-10
3495	438339.6	3762487	7.57E-10	2.58E-09	3.34E-09	1.18E-10	4.22E-10	5.39E-10	6.33E-11	1.96E-10	2.59E-10
3496	438343.2	3762496	7.70E-10	2.63E-09	3.40E-09	1.20E-10	4.29E-10	5.49E-10	6.44E-11	1.99E-10	2.63E-10
3497	438346.8	3762505	7.84E-10	2.67E-09	3.46E-09	1.22E-10	4.36E-10	5.58E-10	6.56E-11	2.02E-10	2.68E-10
3498	438389.7	3762609	9.53E-10	3.25E-09	4.20E-09	1.48E-10	5.31E-10	6.79E-10	7.98E-11	2.46E-10	3.26E-10
3499	438393.3	3762617	9.67E-10	3.30E-09	4.27E-09	1.50E-10	5.39E-10	6.89E-10	8.10E-11	2.50E-10	3.31E-10
3500	438396.8	3762626	9.81E-10	3.35E-09	4.33E-09	1.52E-10	5.47E-10	6.99E-10	8.21E-11	2.53E-10	3.36E-10
3501	438400.4	3762634	9.95E-10	3.39E-09	4.39E-09	1.55E-10	5.54E-10	7.09E-10	8.33E-11	2.57E-10	3.40E-10
3502	438404	3762643	1.01E-09	3.44E-09	4.45E-09	1.57E-10	5.62E-10	7.18E-10	8.44E-11	2.61E-10	3.45E-10
3503	438407.6	3762652	1.02E-09	3.48E-09	4.51E-09	1.59E-10	5.69E-10	7.28E-10	8.55E-11	2.64E-10	3.50E-10
3504	438411.1	3762660	1.03E-09	3.53E-09	4.56E-09	1.61E-10	5.76E-10	7.37E-10	8.66E-11	2.67E-10	3.54E-10
3505	438414.7	3762669	1.05E-09	3.57E-09	4.62E-09	1.63E-10	5.83E-10	7.46E-10	8.77E-11	2.71E-10	3.58E-10
3506	438418.3	3762678	1.06E-09	3.61E-09	4.67E-09	1.65E-10	5.90E-10	7.55E-10	8.87E-11	2.74E-10	3.63E-10
3507	438421.8	3762686	1.07E-09	3.66E-09	4.73E-09	1.67E-10	5.97E-10	7.64E-10	8.97E-11	2.77E-10	3.67E-10
3508	438425.4	3762695	1.08E-09	3.70E-09	4.78E-09	1.68E-10	6.04E-10	7.72E-10	9.08E-11	2.80E-10	3.71E-10
3509	438429	3762704	1.10E-09	3.74E-09	4.83E-09	1.70E-10	6.11E-10	7.81E-10	9.17E-11	2.83E-10	3.75E-10
3510	438432.6	3762712	1.11E-09	3.78E-09	4.88E-09	1.72E-10	6.17E-10	7.89E-10	9.27E-11	2.86E-10	3.79E-10
3511	437693.1	3761857	2.41E-10	8.23E-10	1.06E-09	3.75E-11	1.34E-10	1.72E-10	2.02E-11	6.24E-11	8.26E-11
3512	437701.7	3761860	2.44E-10	8.33E-10	1.08E-09	3.80E-11	1.36E-10	1.74E-10	2.04E-11	6.31E-11	8.36E-11
3513	437710.3	3761864	2.47E-10	8.43E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.39E-11	8.46E-11
3514	437718.8	3761867	2.50E-10	8.53E-10	1.10E-09	3.89E-11	1.39E-10	1.78E-10	2.09E-11	6.47E-11	8.56E-11
3515	437727.4	3761871	2.53E-10	8.63E-10	1.12E-09	3.93E-11	1.41E-10	1.80E-10	2.12E-11	6.54E-11	8.66E-11
3516	437736	3761874	2.56E-10	8.74E-10	1.13E-09	3.98E-11	1.43E-10	1.83E-10	2.15E-11	6.62E-11	8.77E-11
3517	437744.5	3761878	2.59E-10	8.84E-10	1.14E-09	4.03E-11	1.44E-10	1.85E-10	2.17E-11	6.70E-11	8.87E-11
3518	437753.1	3761881	2.62E-10	8.95E-10	1.16E-09	4.08E-11	1.46E-10	1.87E-10	2.20E-11	6.78E-11	8.98E-11
3519	437761.7	3761885	2.65E-10	9.05E-10	1.17E-09	4.12E-11	1.48E-10	1.89E-10	2.22E-11	6.86E-11	9.08E-11
3520	437770.2	3761889	2.69E-10	9.16E-10	1.18E-09	4.17E-11	1.50E-10	1.91E-10	2.25E-11	6.94E-11	9.19E-11
3521	437778.8	3761892	2.72E-10	9.27E-10	1.20E-09	4.22E-11	1.51E-10	1.94E-10	2.28E-11	7.02E-11	9.30E-11
3522	437787.4	3761896	2.75E-10	9.38E-10	1.21E-09	4.27E-11	1.53E-10	1.96E-10	2.30E-11	7.11E-11	9.41E-11
3523	437795.9	3761899	2.78E-10	9.49E-10	1.23E-09	4.32E-11	1.55E-10	1.98E-10	2.33E-11	7.19E-11	9.52E-11
3524	437804.5	3761903	2.81E-10	9.59E-10	1.24E-09	4.37E-11	1.57E-10	2.00E-10	2.35E-11	7.27E-11	9.62E-11
3525	437813.1	3761906	2.84E-10	9.69E-10	1.25E-09	4.42E-11	1.58E-10	2.02E-10	2.38E-11	7.34E-11	9.72E-11
3526	437821.6	3761910	2.87E-10	9.79E-10	1.27E-09	4.46E-11	1.60E-10	2.04E-10	2.40E-11	7.42E-11	9.82E-11
3527	437830.2	3761913	2.90E-10	9.88E-10	1.28E-09	4.50E-11	1.61E-10	2.06E-10	2.42E-11	7.48E-11	9.91E-11
3528	437838.8	3761917	2.92E-10	9.96E-10	1.29E-09	4.54E-11	1.63E-10	2.08E-10	2.45E-11	7.55E-11	1.00E-10
3529	437847.3	3761920	2.95E-10	1.01E-09	1.30E-09	4.58E-11	1.64E-10	2.10E-10	2.47E-11	7.62E-11	1.01E-10
3530	437855.9	3761924	2.97E-10	1.01E-09	1.31E-09	4.62E-11	1.66E-10	2.12E-10	2.49E-11	7.68E-11	1.02E-10
3531	437864.5	3761928	3.00E-10	1.02E-09	1.32E-09	4.66E-11	1.67E-10	2.13E-10	2.51E-11	7.74E-11	1.03E-10
3532	437873	3761931	3.02E-10	1.03E-09	1.33E-09	4.69E-11	1.68E-10	2.15E-10	2.53E-11	7.80E-11	1.03E-10
3533	437881.6	3761935	3.04E-10	1.04E-09	1.34E-09	4.73E-11	1.70E-10	2.17E-10	2.55E-11	7.86E-11	1.04E-10
3534	437890.2	3761938	3.07E-10	1.05E-09	1.35E-09	4.76E-11	1.71E-10	2.18E-10	2.57E-11	7.92E-11	1.05E-10

3535	437898.7	3761942	3.09E-10	1.05E-09	1.36E-09	4.80E-11	1.72E-10	2.20E-10	2.59E-11	7.98E-11	1.06E-10
3536	437907.3	3761945	3.11E-10	1.06E-09	1.37E-09	4.83E-11	1.73E-10	2.22E-10	2.60E-11	8.04E-11	1.06E-10
3537	437915.9	3761949	3.13E-10	1.07E-09	1.38E-09	4.86E-11	1.74E-10	2.23E-10	2.62E-11	8.09E-11	1.07E-10
3538	437924.4	3761952	3.15E-10	1.07E-09	1.39E-09	4.90E-11	1.76E-10	2.25E-10	2.64E-11	8.14E-11	1.08E-10
3539	437933	3761956	3.17E-10	1.08E-09	1.40E-09	4.93E-11	1.77E-10	2.26E-10	2.65E-11	8.19E-11	1.08E-10
3540	437941.6	3761960	3.19E-10	1.09E-09	1.41E-09	4.96E-11	1.78E-10	2.27E-10	2.67E-11	8.24E-11	1.09E-10
3541	437950.1	3761963	3.21E-10	1.09E-09	1.42E-09	4.99E-11	1.79E-10	2.29E-10	2.69E-11	8.29E-11	1.10E-10
3542	437958.7	3761967	3.23E-10	1.10E-09	1.42E-09	5.02E-11	1.80E-10	2.30E-10	2.70E-11	8.34E-11	1.10E-10
3543	437967.3	3761970	3.25E-10	1.11E-09	1.43E-09	5.04E-11	1.81E-10	2.31E-10	2.72E-11	8.39E-11	1.11E-10
3544	437975.8	3761974	3.27E-10	1.11E-09	1.44E-09	5.07E-11	1.82E-10	2.33E-10	2.73E-11	8.44E-11	1.12E-10
3545	438070.1	3762013	3.44E-10	1.17E-09	1.52E-09	5.34E-11	1.92E-10	2.45E-10	2.88E-11	8.88E-11	1.18E-10
3546	438078.6	3762016	3.45E-10	1.18E-09	1.52E-09	5.36E-11	1.92E-10	2.46E-10	2.89E-11	8.92E-11	1.18E-10
3547	438087.2	3762020	3.46E-10	1.18E-09	1.53E-09	5.38E-11	1.93E-10	2.47E-10	2.90E-11	8.95E-11	1.18E-10
3548	438095.8	3762023	3.47E-10	1.18E-09	1.53E-09	5.40E-11	1.93E-10	2.47E-10	2.91E-11	8.97E-11	1.19E-10
3549	438104.3	3762027	3.48E-10	1.19E-09	1.54E-09	5.41E-11	1.94E-10	2.48E-10	2.92E-11	9.00E-11	1.19E-10
3550	438112.9	3762031	3.49E-10	1.19E-09	1.54E-09	5.43E-11	1.95E-10	2.49E-10	2.92E-11	9.03E-11	1.20E-10
3551	438121.5	3762034	3.50E-10	1.19E-09	1.55E-09	5.44E-11	1.95E-10	2.50E-10	2.93E-11	9.05E-11	1.20E-10
3552	438130	3762038	3.51E-10	1.20E-09	1.55E-09	5.46E-11	1.96E-10	2.50E-10	2.94E-11	9.08E-11	1.20E-10
3553	438138.6	3762041	3.52E-10	1.20E-09	1.55E-09	5.47E-11	1.96E-10	2.51E-10	2.95E-11	9.10E-11	1.20E-10
3554	438147.2	3762045	3.53E-10	1.20E-09	1.56E-09	5.48E-11	1.97E-10	2.51E-10	2.95E-11	9.12E-11	1.21E-10
3555	438221.3	3762104	3.76E-10	1.28E-09	1.66E-09	5.84E-11	2.09E-10	2.68E-10	3.14E-11	9.71E-11	1.28E-10
3556	438224.8	3762112	3.80E-10	1.30E-09	1.68E-09	5.91E-11	2.12E-10	2.71E-10	3.18E-11	9.83E-11	1.30E-10
3557	438228.4	3762121	3.85E-10	1.31E-09	1.70E-09	5.99E-11	2.15E-10	2.75E-10	3.23E-11	9.96E-11	1.32E-10
3558	438231.9	3762130	3.90E-10	1.33E-09	1.72E-09	6.07E-11	2.17E-10	2.78E-10	3.27E-11	1.01E-10	1.34E-10
3559	438235.4	3762138	3.95E-10	1.35E-09	1.74E-09	6.14E-11	2.20E-10	2.82E-10	3.31E-11	1.02E-10	1.35E-10
3560	438239	3762147	4.00E-10	1.37E-09	1.77E-09	6.22E-11	2.23E-10	2.85E-10	3.35E-11	1.03E-10	1.37E-10
3561	438242.5	3762155	4.06E-10	1.38E-09	1.79E-09	6.30E-11	2.26E-10	2.89E-10	3.39E-11	1.05E-10	1.39E-10
3562	438246.1	3762164	4.11E-10	1.40E-09	1.81E-09	6.38E-11	2.29E-10	2.93E-10	3.44E-11	1.06E-10	1.40E-10
3563	438249.6	3762172	4.16E-10	1.42E-09	1.83E-09	6.46E-11	2.32E-10	2.96E-10	3.48E-11	1.07E-10	1.42E-10
3564	438253.1	3762181	4.21E-10	1.44E-09	1.86E-09	6.55E-11	2.35E-10	3.00E-10	3.53E-11	1.09E-10	1.44E-10
3565	438256.7	3762190	4.27E-10	1.45E-09	1.88E-09	6.63E-11	2.38E-10	3.04E-10	3.57E-11	1.10E-10	1.46E-10
3566	438260.2	3762198	4.32E-10	1.47E-09	1.91E-09	6.71E-11	2.41E-10	3.08E-10	3.62E-11	1.12E-10	1.48E-10
3567	438263.8	3762207	4.38E-10	1.49E-09	1.93E-09	6.80E-11	2.44E-10	3.12E-10	3.66E-11	1.13E-10	1.50E-10
3568	438267.3	3762215	4.43E-10	1.51E-09	1.96E-09	6.89E-11	2.47E-10	3.16E-10	3.71E-11	1.15E-10	1.52E-10
3569	438270.8	3762224	4.49E-10	1.53E-09	1.98E-09	6.98E-11	2.50E-10	3.20E-10	3.76E-11	1.16E-10	1.54E-10
3570	438274.4	3762232	4.55E-10	1.55E-09	2.01E-09	7.07E-11	2.53E-10	3.24E-10	3.81E-11	1.18E-10	1.56E-10
3571	438277.9	3762241	4.61E-10	1.57E-09	2.03E-09	7.16E-11	2.57E-10	3.28E-10	3.86E-11	1.19E-10	1.58E-10
3572	438281.5	3762250	4.67E-10	1.59E-09	2.06E-09	7.26E-11	2.60E-10	3.33E-10	3.91E-11	1.21E-10	1.60E-10
3573	438285	3762258	4.73E-10	1.61E-09	2.09E-09	7.35E-11	2.64E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
3574	438288.5	3762267	4.79E-10	1.63E-09	2.11E-09	7.45E-11	2.67E-10	3.42E-10	4.01E-11	1.24E-10	1.64E-10
3575	438292.1	3762275	4.86E-10	1.66E-09	2.14E-09	7.55E-11	2.71E-10	3.46E-10	4.07E-11	1.26E-10	1.66E-10
3576	438295.6	3762284	4.93E-10	1.68E-09	2.17E-09	7.65E-11	2.74E-10	3.51E-10	4.12E-11	1.27E-10	1.68E-10
3577	438299.2	3762292	4.99E-10	1.70E-09	2.20E-09	7.76E-11	2.78E-10	3.56E-10	4.18E-11	1.29E-10	1.71E-10
3578	438302.7	3762301	5.06E-10	1.73E-09	2.23E-09	7.87E-11	2.82E-10	3.61E-10	4.24E-11	1.31E-10	1.73E-10
3579	438306.2	3762310	5.13E-10	1.75E-09	2.26E-09	7.98E-11	2.86E-10	3.66E-10	4.30E-11	1.33E-10	1.76E-10
3580	438309.8	3762318	5.21E-10	1.78E-09	2.30E-09	8.09E-11	2.90E-10	3.71E-10	4.36E-11	1.35E-10	1.78E-10
3581	438313.3	3762327	5.28E-10	1.80E-09	2.33E-09	8.21E-11	2.94E-10	3.76E-10	4.42E-11	1.37E-10	1.81E-10
3582	438316.9	3762335	5.36E-10	1.83E-09	2.36E-09	8.33E-11	2.99E-10	3.82E-10	4.49E-11	1.39E-10	1.83E-10
3583	438320.4	3762344	5.44E-10	1.86E-09	2.40E-09	8.46E-11	3.03E-10	3.88E-10	4.56E-11	1.41E-10	1.86E-10
3584	438323.9	3762352	5.53E-10	1.88E-09	2.44E-09	8.59E-11	3.08E-10	3.94E-10	4.63E-11	1.43E-10	1.89E-10
3585	438327.5	3762361	5.61E-10	1.91E-09	2.47E-09	8.72E-11	3.13E-10	4.00E-10	4.70E-11	1.45E-10	1.92E-10
3586	438341.6	3762395	5.98E-10	2.04E-09	2.64E-09	9.29E-11	3.33E-10	4.26E-10	5.00E-11	1.54E-10	2.05E-10
3587	438345.2	3762404	6.08E-10	2.07E-09	2.68E-09	9.44E-11	3.39E-10	4.33E-10	5.09E-11	1.57E-10	2.08E-10
3588	438348.7	3762412	6.18E-10	2.11E-09	2.72E-09	9.60E-11	3.44E-10	4.40E-10	5.17E-11	1.60E-10	2.11E-10
3589	438391.2	3762515	7.54E-10	2.57E-09	3.33E-09	1.17E-10	4.20E-10	5.37E-10	6.31E-11	1.95E-10	2.58E-10
3590	438394.7	3762524	7.66E-10	2.61E-09	3.38E-09	1.19E-10	4.27E-10	5.46E-10	6.41E-11	1.98E-10	2.62E-10
3591	438398.3	3762532	7.79E-10	2.66E-09	3.43E-09	1.21E-10	4.34E-10	5.55E-10	6.52E-11	2.01E-10	2.66E-10
3592	438401.8	3762541	7.91E-10	2.70E-09	3.49E-09	1.23E-10	4.41E-10	5.64E-10	6.62E-11	2.04E-10	2.71E-10
3593	438405.4	3762550	8.04E-10	2.74E-09	3.54E-09	1.25E-10	4.48E-10	5.72E-10	6.73E-11	2.08E-10	2.75E-10
3594	438408.9	3762558	8.16E-10	2.78E-09	3.60E-09	1.27E-10	4.55E-10	5.81E-10	6.83E-11	2.11E-10	2.79E-10
3595	438412.4	3762567	8.28E-10	2.82E-09	3.65E-09	1.29E-10	4.61E-10	5.90E-10	6.93E-11	2.14E-10	2.83E-10

3596	438416	3762575	8.41E-10	2.87E-09	3.71E-09	1.31E-10	4.68E-10	5.99E-10	7.04E-11	2.17E-10	2.88E-10
3597	438419.5	3762584	8.53E-10	2.91E-09	3.76E-09	1.33E-10	4.75E-10	6.08E-10	7.14E-11	2.20E-10	2.92E-10
3598	438423	3762592	8.65E-10	2.95E-09	3.82E-09	1.34E-10	4.82E-10	6.16E-10	7.24E-11	2.24E-10	2.96E-10
3599	438426.6	3762601	8.77E-10	2.99E-09	3.87E-09	1.36E-10	4.89E-10	6.25E-10	7.34E-11	2.27E-10	3.00E-10
3600	438430.1	3762610	8.90E-10	3.03E-09	3.92E-09	1.38E-10	4.96E-10	6.34E-10	7.45E-11	2.30E-10	3.04E-10
3601	438433.7	3762618	9.02E-10	3.08E-09	3.98E-09	1.40E-10	5.03E-10	6.43E-10	7.55E-11	2.33E-10	3.09E-10
3602	438437.2	3762627	9.14E-10	3.12E-09	4.03E-09	1.42E-10	5.09E-10	6.51E-10	7.65E-11	2.36E-10	3.13E-10
3603	438440.7	3762635	9.26E-10	3.16E-09	4.08E-09	1.44E-10	5.16E-10	6.60E-10	7.75E-11	2.39E-10	3.17E-10
3604	438444.3	3762644	9.38E-10	3.20E-09	4.14E-09	1.46E-10	5.22E-10	6.68E-10	7.85E-11	2.42E-10	3.21E-10
3605	438447.8	3762652	9.50E-10	3.24E-09	4.19E-09	1.48E-10	5.29E-10	6.76E-10	7.95E-11	2.45E-10	3.25E-10
3606	438451.4	3762661	9.61E-10	3.28E-09	4.24E-09	1.49E-10	5.35E-10	6.85E-10	8.04E-11	2.48E-10	3.29E-10
3607	438454.9	3762670	9.72E-10	3.31E-09	4.29E-09	1.51E-10	5.42E-10	6.93E-10	8.14E-11	2.51E-10	3.33E-10
3608	438458.4	3762678	9.83E-10	3.35E-09	4.34E-09	1.53E-10	5.48E-10	7.00E-10	8.23E-11	2.54E-10	3.36E-10
3609	438462	3762687	9.94E-10	3.39E-09	4.38E-09	1.54E-10	5.54E-10	7.08E-10	8.32E-11	2.57E-10	3.40E-10
3610	438465.5	3762695	1.00E-09	3.42E-09	4.43E-09	1.56E-10	5.59E-10	7.15E-10	8.40E-11	2.59E-10	3.43E-10
3611	438469.1	3762704	1.01E-09	3.46E-09	4.47E-09	1.58E-10	5.65E-10	7.23E-10	8.49E-11	2.62E-10	3.47E-10
3612	438472.6	3762712	1.02E-09	3.49E-09	4.52E-09	1.59E-10	5.71E-10	7.30E-10	8.57E-11	2.65E-10	3.50E-10
3613	437537.3	3761800	1.94E-10	6.60E-10	8.54E-10	3.01E-11	1.08E-10	1.38E-10	1.62E-11	5.00E-11	6.62E-11
3614	437527.9	3761800	1.92E-10	6.56E-10	8.48E-10	2.99E-11	1.07E-10	1.37E-10	1.61E-11	4.97E-11	6.58E-11
3615	437518.5	3761800	1.91E-10	6.52E-10	8.43E-10	2.97E-11	1.06E-10	1.36E-10	1.60E-11	4.94E-11	6.54E-11
3616	437509.1	3761800	1.90E-10	6.48E-10	8.37E-10	2.95E-11	1.06E-10	1.35E-10	1.59E-11	4.91E-11	6.50E-11
3617	437499.7	3761800	1.89E-10	6.43E-10	8.32E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.88E-11	6.45E-11
3618	437490.3	3761800	1.88E-10	6.40E-10	8.27E-10	2.91E-11	1.04E-10	1.34E-10	1.57E-11	4.85E-11	6.42E-11
3619	437480.9	3761800	1.86E-10	6.35E-10	8.22E-10	2.90E-11	1.04E-10	1.33E-10	1.56E-11	4.82E-11	6.37E-11
3620	437471.5	3761800	1.85E-10	6.32E-10	8.17E-10	2.88E-11	1.03E-10	1.32E-10	1.55E-11	4.79E-11	6.34E-11
3621	437462.2	3761800	1.84E-10	6.27E-10	8.11E-10	2.86E-11	1.03E-10	1.31E-10	1.54E-11	4.75E-11	6.29E-11
3622	437719.5	3761827	2.32E-10	7.91E-10	1.02E-09	3.60E-11	1.29E-10	1.65E-10	1.94E-11	5.99E-11	7.94E-11
3623	437728.1	3761831	2.35E-10	8.01E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.97E-11	6.07E-11	8.04E-11
3624	437736.7	3761835	2.38E-10	8.11E-10	1.05E-09	3.69E-11	1.32E-10	1.69E-10	1.99E-11	6.14E-11	8.13E-11
3625	437745.3	3761838	2.41E-10	8.21E-10	1.06E-09	3.74E-11	1.34E-10	1.71E-10	2.01E-11	6.22E-11	8.23E-11
3626	437753.9	3761842	2.44E-10	8.31E-10	1.07E-09	3.79E-11	1.36E-10	1.74E-10	2.04E-11	6.29E-11	8.33E-11
3627	437762.5	3761845	2.47E-10	8.41E-10	1.09E-09	3.83E-11	1.37E-10	1.76E-10	2.06E-11	6.37E-11	8.44E-11
3628	437771.1	3761849	2.49E-10	8.51E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.45E-11	8.53E-11
3629	437779.7	3761852	2.52E-10	8.61E-10	1.11E-09	3.92E-11	1.41E-10	1.80E-10	2.11E-11	6.52E-11	8.63E-11
3630	437788.3	3761856	2.55E-10	8.70E-10	1.13E-09	3.97E-11	1.42E-10	1.82E-10	2.14E-11	6.59E-11	8.73E-11
3631	437796.8	3761860	2.58E-10	8.80E-10	1.14E-09	4.01E-11	1.44E-10	1.84E-10	2.16E-11	6.67E-11	8.83E-11
3632	437805.4	3761863	2.61E-10	8.90E-10	1.15E-09	4.05E-11	1.45E-10	1.86E-10	2.18E-11	6.74E-11	8.93E-11
3633	437814	3761867	2.64E-10	8.99E-10	1.16E-09	4.10E-11	1.47E-10	1.88E-10	2.21E-11	6.81E-11	9.02E-11
3634	437822.6	3761870	2.66E-10	9.08E-10	1.17E-09	4.14E-11	1.48E-10	1.90E-10	2.23E-11	6.88E-11	9.11E-11
3635	437831.2	3761874	2.69E-10	9.16E-10	1.18E-09	4.17E-11	1.50E-10	1.91E-10	2.25E-11	6.94E-11	9.19E-11
3636	437839.8	3761877	2.71E-10	9.24E-10	1.19E-09	4.21E-11	1.51E-10	1.93E-10	2.27E-11	7.00E-11	9.27E-11
3637	437848.4	3761881	2.73E-10	9.31E-10	1.20E-09	4.24E-11	1.52E-10	1.95E-10	2.29E-11	7.06E-11	9.34E-11
3638	437857	3761885	2.75E-10	9.39E-10	1.21E-09	4.28E-11	1.53E-10	1.96E-10	2.30E-11	7.11E-11	9.42E-11
3639	437865.6	3761888	2.77E-10	9.46E-10	1.22E-09	4.31E-11	1.55E-10	1.98E-10	2.32E-11	7.17E-11	9.49E-11
3640	437874.2	3761892	2.80E-10	9.53E-10	1.23E-09	4.34E-11	1.56E-10	1.99E-10	2.34E-11	7.22E-11	9.56E-11
3641	437882.8	3761895	2.82E-10	9.61E-10	1.24E-09	4.38E-11	1.57E-10	2.01E-10	2.36E-11	7.28E-11	9.64E-11
3642	437891.4	3761899	2.84E-10	9.68E-10	1.25E-09	4.41E-11	1.58E-10	2.02E-10	2.38E-11	7.33E-11	9.71E-11
3643	437900	3761902	2.86E-10	9.74E-10	1.26E-09	4.44E-11	1.59E-10	2.04E-10	2.39E-11	7.38E-11	9.78E-11
3644	437908.6	3761906	2.88E-10	9.81E-10	1.27E-09	4.47E-11	1.60E-10	2.05E-10	2.41E-11	7.43E-11	9.84E-11
3645	437917.2	3761909	2.90E-10	9.88E-10	1.28E-09	4.50E-11	1.61E-10	2.06E-10	2.42E-11	7.48E-11	9.91E-11
3646	437925.8	3761913	2.92E-10	9.94E-10	1.29E-09	4.53E-11	1.62E-10	2.08E-10	2.44E-11	7.53E-11	9.97E-11
3647	437934.4	3761917	2.93E-10	1.00E-09	1.29E-09	4.56E-11	1.63E-10	2.09E-10	2.46E-11	7.58E-11	1.00E-10
3648	437943	3761920	2.95E-10	1.01E-09	1.30E-09	4.59E-11	1.64E-10	2.10E-10	2.47E-11	7.63E-11	1.01E-10
3649	437951.6	3761924	2.97E-10	1.01E-09	1.31E-09	4.61E-11	1.65E-10	2.12E-10	2.49E-11	7.67E-11	1.02E-10
3650	437960.2	3761927	2.99E-10	1.02E-09	1.32E-09	4.64E-11	1.66E-10	2.13E-10	2.50E-11	7.72E-11	1.02E-10
3651	437968.8	3761931	3.00E-10	1.02E-09	1.32E-09	4.67E-11	1.67E-10	2.14E-10	2.51E-11	7.76E-11	1.03E-10
3652	437977.4	3761934	3.02E-10	1.03E-09	1.33E-09	4.69E-11	1.68E-10	2.15E-10	2.53E-11	7.80E-11	1.03E-10
3653	438046.2	3761963	3.15E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.63E-11	8.13E-11	1.08E-10
3654	438054.8	3761967	3.16E-10	1.08E-09	1.39E-09	4.91E-11	1.76E-10	2.25E-10	2.65E-11	8.17E-11	1.08E-10
3655	438063.4	3761970	3.17E-10	1.08E-09	1.40E-09	4.93E-11	1.77E-10	2.26E-10	2.66E-11	8.20E-11	1.09E-10
3656	438072	3761974	3.19E-10	1.09E-09	1.41E-09	4.95E-11	1.78E-10	2.27E-10	2.67E-11	8.24E-11	1.09E-10

3657	438080.6	3761977	3.20E-10	1.09E-09	1.41E-09	4.97E-11	1.78E-10	2.28E-10	2.68E-11	8.27E-11	1.09E-10
3658	438089.2	3761981	3.21E-10	1.10E-09	1.42E-09	4.99E-11	1.79E-10	2.29E-10	2.69E-11	8.30E-11	1.10E-10
3659	438097.8	3761984	3.22E-10	1.10E-09	1.42E-09	5.01E-11	1.80E-10	2.30E-10	2.70E-11	8.33E-11	1.10E-10
3660	438106.4	3761988	3.23E-10	1.10E-09	1.43E-09	5.02E-11	1.80E-10	2.30E-10	2.71E-11	8.36E-11	1.11E-10
3661	438115	3761991	3.24E-10	1.11E-09	1.43E-09	5.04E-11	1.81E-10	2.31E-10	2.72E-11	8.38E-11	1.11E-10
3662	438123.6	3761995	3.26E-10	1.11E-09	1.44E-09	5.06E-11	1.81E-10	2.32E-10	2.72E-11	8.41E-11	1.11E-10
3663	438132.2	3761999	3.26E-10	1.11E-09	1.44E-09	5.07E-11	1.82E-10	2.33E-10	2.73E-11	8.43E-11	1.12E-10
3664	438140.8	3762002	3.27E-10	1.12E-09	1.44E-09	5.09E-11	1.82E-10	2.33E-10	2.74E-11	8.46E-11	1.12E-10
3665	438149.4	3762006	3.28E-10	1.12E-09	1.45E-09	5.10E-11	1.83E-10	2.34E-10	2.75E-11	8.48E-11	1.12E-10
3666	438158	3762009	3.29E-10	1.12E-09	1.45E-09	5.11E-11	1.83E-10	2.34E-10	2.75E-11	8.50E-11	1.13E-10
3667	438166.6	3762013	3.30E-10	1.12E-09	1.45E-09	5.12E-11	1.84E-10	2.35E-10	2.76E-11	8.52E-11	1.13E-10
3668	438175.2	3762016	3.30E-10	1.13E-09	1.46E-09	5.13E-11	1.84E-10	2.35E-10	2.76E-11	8.53E-11	1.13E-10
3669	438183.8	3762020	3.31E-10	1.13E-09	1.46E-09	5.14E-11	1.84E-10	2.36E-10	2.77E-11	8.55E-11	1.13E-10
3670	438192.4	3762024	3.32E-10	1.13E-09	1.46E-09	5.15E-11	1.85E-10	2.36E-10	2.78E-11	8.57E-11	1.13E-10
3671	438201	3762027	3.32E-10	1.13E-09	1.46E-09	5.16E-11	1.85E-10	2.37E-10	2.78E-11	8.58E-11	1.14E-10
3672	438209.6	3762031	3.33E-10	1.13E-09	1.47E-09	5.17E-11	1.85E-10	2.37E-10	2.78E-11	8.59E-11	1.14E-10
3673	438218.2	3762034	3.33E-10	1.14E-09	1.47E-09	5.17E-11	1.85E-10	2.37E-10	2.79E-11	8.60E-11	1.14E-10
3674	438226.8	3762038	3.33E-10	1.14E-09	1.47E-09	5.18E-11	1.86E-10	2.37E-10	2.79E-11	8.61E-11	1.14E-10
3675	438260.3	3762102	3.63E-10	1.24E-09	1.60E-09	5.65E-11	2.02E-10	2.59E-10	3.04E-11	9.39E-11	1.24E-10
3676	438263.9	3762110	3.68E-10	1.25E-09	1.62E-09	5.72E-11	2.05E-10	2.62E-10	3.08E-11	9.51E-11	1.26E-10
3677	438267.4	3762119	3.72E-10	1.27E-09	1.64E-09	5.79E-11	2.07E-10	2.65E-10	3.12E-11	9.62E-11	1.27E-10
3678	438271	3762127	3.77E-10	1.29E-09	1.66E-09	5.86E-11	2.10E-10	2.69E-10	3.16E-11	9.74E-11	1.29E-10
3679	438274.5	3762136	3.82E-10	1.30E-09	1.68E-09	5.93E-11	2.13E-10	2.72E-10	3.19E-11	9.86E-11	1.31E-10
3680	438278.1	3762145	3.86E-10	1.32E-09	1.70E-09	6.00E-11	2.15E-10	2.75E-10	3.23E-11	9.98E-11	1.32E-10
3681	438281.6	3762153	3.91E-10	1.33E-09	1.72E-09	6.08E-11	2.18E-10	2.79E-10	3.27E-11	1.01E-10	1.34E-10
3682	438285.2	3762162	3.96E-10	1.35E-09	1.75E-09	6.15E-11	2.20E-10	2.82E-10	3.31E-11	1.02E-10	1.35E-10
3683	438288.7	3762170	4.01E-10	1.37E-09	1.77E-09	6.22E-11	2.23E-10	2.85E-10	3.35E-11	1.03E-10	1.37E-10
3684	438292.3	3762179	4.05E-10	1.38E-09	1.79E-09	6.30E-11	2.26E-10	2.89E-10	3.39E-11	1.05E-10	1.39E-10
3685	438295.8	3762188	4.10E-10	1.40E-09	1.81E-09	6.38E-11	2.29E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10
3686	438299.4	3762196	4.15E-10	1.42E-09	1.83E-09	6.45E-11	2.31E-10	2.96E-10	3.48E-11	1.07E-10	1.42E-10
3687	438302.9	3762205	4.20E-10	1.43E-09	1.85E-09	6.53E-11	2.34E-10	2.99E-10	3.52E-11	1.09E-10	1.44E-10
3688	438306.5	3762213	4.25E-10	1.45E-09	1.88E-09	6.61E-11	2.37E-10	3.03E-10	3.56E-11	1.10E-10	1.46E-10
3689	438310.1	3762222	4.31E-10	1.47E-09	1.90E-09	6.69E-11	2.40E-10	3.07E-10	3.60E-11	1.11E-10	1.47E-10
3690	438313.6	3762231	4.36E-10	1.49E-09	1.92E-09	6.77E-11	2.43E-10	3.11E-10	3.65E-11	1.13E-10	1.49E-10
3691	438317.2	3762239	4.41E-10	1.51E-09	1.95E-09	6.86E-11	2.46E-10	3.14E-10	3.69E-11	1.14E-10	1.51E-10
3692	438320.7	3762248	4.47E-10	1.52E-09	1.97E-09	6.94E-11	2.49E-10	3.18E-10	3.74E-11	1.15E-10	1.53E-10
3693	438324.3	3762256	4.53E-10	1.54E-09	2.00E-09	7.03E-11	2.52E-10	3.23E-10	3.79E-11	1.17E-10	1.55E-10
3694	438327.8	3762265	4.59E-10	1.56E-09	2.02E-09	7.13E-11	2.55E-10	3.27E-10	3.84E-11	1.18E-10	1.57E-10
3695	438331.4	3762274	4.65E-10	1.58E-09	2.05E-09	7.22E-11	2.59E-10	3.31E-10	3.89E-11	1.20E-10	1.59E-10
3696	438334.9	3762282	4.71E-10	1.61E-09	2.08E-09	7.31E-11	2.62E-10	3.35E-10	3.94E-11	1.22E-10	1.61E-10
3697	438338.5	3762291	4.77E-10	1.63E-09	2.10E-09	7.41E-11	2.66E-10	3.40E-10	3.99E-11	1.23E-10	1.63E-10
3698	438342	3762300	4.84E-10	1.65E-09	2.13E-09	7.51E-11	2.69E-10	3.44E-10	4.05E-11	1.25E-10	1.65E-10
3699	438345.6	3762308	4.90E-10	1.67E-09	2.16E-09	7.62E-11	2.73E-10	3.49E-10	4.10E-11	1.27E-10	1.68E-10
3700	438349.1	3762317	4.97E-10	1.70E-09	2.19E-09	7.72E-11	2.77E-10	3.54E-10	4.16E-11	1.28E-10	1.70E-10
3701	438391.8	3762420	5.96E-10	2.03E-09	2.63E-09	9.26E-11	3.32E-10	4.25E-10	4.99E-11	1.54E-10	2.04E-10
3702	438395.3	3762429	6.06E-10	2.07E-09	2.67E-09	9.41E-11	3.37E-10	4.32E-10	5.07E-11	1.56E-10	2.07E-10
3703	438398.9	3762437	6.15E-10	2.10E-09	2.71E-09	9.56E-11	3.43E-10	4.38E-10	5.15E-11	1.59E-10	2.11E-10
3704	438402.4	3762446	6.25E-10	2.13E-09	2.76E-09	9.72E-11	3.48E-10	4.46E-10	5.24E-11	1.62E-10	2.14E-10
3705	438406	3762454	6.36E-10	2.17E-09	2.80E-09	9.88E-11	3.54E-10	4.53E-10	5.32E-11	1.64E-10	2.17E-10
3706	438409.5	3762463	6.46E-10	2.20E-09	2.85E-09	1.00E-10	3.60E-10	4.60E-10	5.41E-11	1.67E-10	2.21E-10
3707	438413.1	3762472	6.56E-10	2.24E-09	2.89E-09	1.02E-10	3.66E-10	4.68E-10	5.49E-11	1.70E-10	2.25E-10
3708	438416.7	3762480	6.67E-10	2.27E-09	2.94E-09	1.04E-10	3.71E-10	4.75E-10	5.58E-11	1.72E-10	2.28E-10
3709	438420.2	3762489	6.78E-10	2.31E-09	2.99E-09	1.05E-10	3.78E-10	4.83E-10	5.67E-11	1.75E-10	2.32E-10
3710	438423.8	3762497	6.88E-10	2.35E-09	3.04E-09	1.07E-10	3.83E-10	4.90E-10	5.76E-11	1.78E-10	2.36E-10
3711	438427.3	3762506	6.99E-10	2.38E-09	3.08E-09	1.09E-10	3.90E-10	4.98E-10	5.85E-11	1.81E-10	2.39E-10
3712	438430.9	3762515	7.10E-10	2.42E-09	3.13E-09	1.10E-10	3.96E-10	5.06E-10	5.95E-11	1.84E-10	2.43E-10
3713	438434.4	3762523	7.21E-10	2.46E-09	3.18E-09	1.12E-10	4.02E-10	5.14E-10	6.04E-11	1.86E-10	2.47E-10
3714	438438	3762532	7.32E-10	2.50E-09	3.23E-09	1.14E-10	4.08E-10	5.22E-10	6.13E-11	1.89E-10	2.51E-10
3715	438441.5	3762540	7.44E-10	2.54E-09	3.28E-09	1.16E-10	4.14E-10	5.30E-10	6.22E-11	1.92E-10	2.54E-10
3716	438445.1	3762549	7.55E-10	2.57E-09	3.33E-09	1.17E-10	4.20E-10	5.38E-10	6.32E-11	1.95E-10	2.58E-10
3717	438448.6	3762558	7.66E-10	2.61E-09	3.38E-09	1.19E-10	4.26E-10	5.45E-10	6.41E-11	1.98E-10	2.62E-10

3718	438452.2	3762566	7.77E-10	2.65E-09	3.42E-09	1.21E-10	4.33E-10	5.53E-10	6.50E-11	2.01E-10	2.66E-10
3719	438455.7	3762575	7.88E-10	2.69E-09	3.47E-09	1.22E-10	4.39E-10	5.61E-10	6.59E-11	2.04E-10	2.69E-10
3720	438459.3	3762583	7.99E-10	2.72E-09	3.52E-09	1.24E-10	4.45E-10	5.69E-10	6.68E-11	2.06E-10	2.73E-10
3721	438462.8	3762592	8.09E-10	2.76E-09	3.57E-09	1.26E-10	4.51E-10	5.77E-10	6.78E-11	2.09E-10	2.77E-10
3722	438466.4	3762601	8.20E-10	2.80E-09	3.62E-09	1.27E-10	4.57E-10	5.84E-10	6.87E-11	2.12E-10	2.81E-10
3723	438470	3762609	8.31E-10	2.83E-09	3.67E-09	1.29E-10	4.63E-10	5.92E-10	6.96E-11	2.15E-10	2.84E-10
3724	438473.5	3762618	8.42E-10	2.87E-09	3.71E-09	1.31E-10	4.69E-10	6.00E-10	7.05E-11	2.18E-10	2.88E-10
3725	438477.1	3762626	8.53E-10	2.91E-09	3.76E-09	1.33E-10	4.75E-10	6.08E-10	7.14E-11	2.20E-10	2.92E-10
3726	438480.6	3762635	8.63E-10	2.94E-09	3.81E-09	1.34E-10	4.81E-10	6.15E-10	7.23E-11	2.23E-10	2.95E-10
3727	438484.2	3762644	8.74E-10	2.98E-09	3.85E-09	1.36E-10	4.87E-10	6.23E-10	7.31E-11	2.26E-10	2.99E-10
3728	438487.7	3762652	8.84E-10	3.01E-09	3.90E-09	1.37E-10	4.92E-10	6.30E-10	7.40E-11	2.28E-10	3.02E-10
3729	438491.3	3762661	8.94E-10	3.05E-09	3.94E-09	1.39E-10	4.98E-10	6.37E-10	7.48E-11	2.31E-10	3.06E-10
3730	438494.8	3762669	9.04E-10	3.08E-09	3.99E-09	1.40E-10	5.04E-10	6.44E-10	7.57E-11	2.34E-10	3.09E-10
3731	438498.4	3762678	9.14E-10	3.12E-09	4.03E-09	1.42E-10	5.09E-10	6.51E-10	7.65E-11	2.36E-10	3.13E-10
3732	438501.9	3762687	9.23E-10	3.15E-09	4.07E-09	1.43E-10	5.14E-10	6.58E-10	7.73E-11	2.39E-10	3.16E-10
3733	438505.5	3762695	9.32E-10	3.18E-09	4.11E-09	1.45E-10	5.19E-10	6.64E-10	7.80E-11	2.41E-10	3.19E-10
3734	438509	3762704	9.41E-10	3.21E-09	4.15E-09	1.46E-10	5.24E-10	6.71E-10	7.88E-11	2.43E-10	3.22E-10
3735	438512.6	3762713	9.50E-10	3.24E-09	4.19E-09	1.48E-10	5.29E-10	6.77E-10	7.95E-11	2.46E-10	3.25E-10
3736	437737.3	3761795	2.22E-10	7.56E-10	9.77E-10	3.44E-11	1.23E-10	1.58E-10	1.85E-11	5.73E-11	7.58E-11
3737	437745.9	3761798	2.24E-10	7.65E-10	9.89E-10	3.49E-11	1.25E-10	1.60E-10	1.88E-11	5.80E-11	7.67E-11
3738	437754.6	3761802	2.27E-10	7.74E-10	1.00E-09	3.53E-11	1.26E-10	1.62E-10	1.90E-11	5.87E-11	7.77E-11
3739	437763.2	3761806	2.30E-10	7.83E-10	1.01E-09	3.57E-11	1.28E-10	1.64E-10	1.92E-11	5.93E-11	7.86E-11
3740	437771.8	3761809	2.32E-10	7.92E-10	1.02E-09	3.61E-11	1.29E-10	1.65E-10	1.94E-11	6.00E-11	7.95E-11
3741	437780.4	3761813	2.35E-10	8.01E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.97E-11	6.07E-11	8.03E-11
3742	437789.1	3761816	2.37E-10	8.10E-10	1.05E-09	3.69E-11	1.32E-10	1.69E-10	1.99E-11	6.14E-11	8.12E-11
3743	437797.7	3761820	2.40E-10	8.19E-10	1.06E-09	3.73E-11	1.34E-10	1.71E-10	2.01E-11	6.20E-11	8.21E-11
3744	437806.3	3761823	2.43E-10	8.27E-10	1.07E-09	3.77E-11	1.35E-10	1.73E-10	2.03E-11	6.27E-11	8.30E-11
3745	437815	3761827	2.45E-10	8.36E-10	1.08E-09	3.81E-11	1.37E-10	1.75E-10	2.05E-11	6.33E-11	8.39E-11
3746	437823.6	3761831	2.48E-10	8.45E-10	1.09E-09	3.85E-11	1.38E-10	1.76E-10	2.07E-11	6.40E-11	8.47E-11
3747	437832.2	3761834	2.50E-10	8.53E-10	1.10E-09	3.89E-11	1.39E-10	1.78E-10	2.09E-11	6.46E-11	8.56E-11
3748	437840.9	3761838	2.52E-10	8.61E-10	1.11E-09	3.92E-11	1.41E-10	1.80E-10	2.11E-11	6.52E-11	8.64E-11
3749	437849.5	3761841	2.55E-10	8.69E-10	1.12E-09	3.96E-11	1.42E-10	1.81E-10	2.13E-11	6.58E-11	8.71E-11
3750	437858.1	3761845	2.57E-10	8.76E-10	1.13E-09	3.99E-11	1.43E-10	1.83E-10	2.15E-11	6.63E-11	8.78E-11
3751	437866.7	3761849	2.59E-10	8.82E-10	1.14E-09	4.02E-11	1.44E-10	1.84E-10	2.17E-11	6.69E-11	8.85E-11
3752	437875.4	3761852	2.61E-10	8.89E-10	1.15E-09	4.05E-11	1.45E-10	1.86E-10	2.18E-11	6.73E-11	8.92E-11
3753	437884	3761856	2.62E-10	8.95E-10	1.16E-09	4.08E-11	1.46E-10	1.87E-10	2.20E-11	6.78E-11	8.98E-11
3754	437892.6	3761859	2.64E-10	9.01E-10	1.17E-09	4.11E-11	1.47E-10	1.88E-10	2.21E-11	6.83E-11	9.04E-11
3755	437901.3	3761863	2.66E-10	9.07E-10	1.17E-09	4.13E-11	1.48E-10	1.89E-10	2.23E-11	6.87E-11	9.10E-11
3756	437909.9	3761866	2.68E-10	9.13E-10	1.18E-09	4.16E-11	1.49E-10	1.91E-10	2.24E-11	6.92E-11	9.16E-11
3757	437918.5	3761870	2.69E-10	9.19E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.96E-11	9.22E-11
3758	437927.2	3761874	2.71E-10	9.25E-10	1.20E-09	4.21E-11	1.51E-10	1.93E-10	2.27E-11	7.01E-11	9.28E-11
3759	437935.8	3761877	2.73E-10	9.31E-10	1.20E-09	4.24E-11	1.52E-10	1.94E-10	2.28E-11	7.05E-11	9.34E-11
3760	437944.4	3761881	2.75E-10	9.36E-10	1.21E-09	4.27E-11	1.53E-10	1.96E-10	2.30E-11	7.09E-11	9.39E-11
3761	437953	3761884	2.76E-10	9.42E-10	1.22E-09	4.29E-11	1.54E-10	1.97E-10	2.31E-11	7.13E-11	9.45E-11
3762	437961.7	3761888	2.78E-10	9.47E-10	1.22E-09	4.31E-11	1.55E-10	1.98E-10	2.32E-11	7.17E-11	9.50E-11
3763	437970.3	3761891	2.79E-10	9.52E-10	1.23E-09	4.34E-11	1.56E-10	1.99E-10	2.34E-11	7.22E-11	9.55E-11
3764	437978.9	3761895	2.81E-10	9.57E-10	1.24E-09	4.36E-11	1.56E-10	2.00E-10	2.35E-11	7.25E-11	9.60E-11
3765	438048	3761924	2.93E-10	9.98E-10	1.29E-09	4.55E-11	1.63E-10	2.08E-10	2.45E-11	7.56E-11	1.00E-10
3766	438056.6	3761927	2.94E-10	1.00E-09	1.30E-09	4.57E-11	1.64E-10	2.09E-10	2.46E-11	7.59E-11	1.01E-10
3767	438065.2	3761931	2.95E-10	1.01E-09	1.30E-09	4.59E-11	1.64E-10	2.10E-10	2.47E-11	7.63E-11	1.01E-10
3768	438073.9	3761934	2.96E-10	1.01E-09	1.31E-09	4.61E-11	1.65E-10	2.11E-10	2.48E-11	7.66E-11	1.01E-10
3769	438082.5	3761938	2.98E-10	1.02E-09	1.31E-09	4.63E-11	1.66E-10	2.12E-10	2.49E-11	7.69E-11	1.02E-10
3770	438091.1	3761942	2.99E-10	1.02E-09	1.32E-09	4.64E-11	1.66E-10	2.13E-10	2.50E-11	7.72E-11	1.02E-10
3771	438099.8	3761945	3.00E-10	1.02E-09	1.32E-09	4.66E-11	1.67E-10	2.14E-10	2.51E-11	7.75E-11	1.03E-10
3772	438108.4	3761949	3.01E-10	1.03E-09	1.33E-09	4.68E-11	1.68E-10	2.14E-10	2.52E-11	7.78E-11	1.03E-10
3773	438117	3761952	3.02E-10	1.03E-09	1.33E-09	4.69E-11	1.68E-10	2.15E-10	2.53E-11	7.81E-11	1.03E-10
3774	438125.7	3761956	3.03E-10	1.03E-09	1.34E-09	4.71E-11	1.69E-10	2.16E-10	2.54E-11	7.83E-11	1.04E-10
3775	438134.3	3761959	3.04E-10	1.04E-09	1.34E-09	4.72E-11	1.69E-10	2.17E-10	2.54E-11	7.85E-11	1.04E-10
3776	438142.9	3761963	3.05E-10	1.04E-09	1.34E-09	4.74E-11	1.70E-10	2.17E-10	2.55E-11	7.88E-11	1.04E-10
3777	438151.5	3761967	3.06E-10	1.04E-09	1.35E-09	4.75E-11	1.70E-10	2.18E-10	2.56E-11	7.90E-11	1.05E-10
3778	438160.2	3761970	3.07E-10	1.05E-09	1.35E-09	4.76E-11	1.71E-10	2.18E-10	2.57E-11	7.92E-11	1.05E-10

3779	438168.8	3761974	3.07E-10	1.05E-09	1.36E-09	4.78E-11	1.71E-10	2.19E-10	2.57E-11	7.94E-11	1.05E-10
3780	438177.4	3761977	3.08E-10	1.05E-09	1.36E-09	4.79E-11	1.72E-10	2.20E-10	2.58E-11	7.97E-11	1.05E-10
3781	438186.1	3761981	3.09E-10	1.05E-09	1.36E-09	4.80E-11	1.72E-10	2.20E-10	2.59E-11	7.99E-11	1.06E-10
3782	438194.7	3761984	3.10E-10	1.06E-09	1.37E-09	4.81E-11	1.73E-10	2.21E-10	2.59E-11	8.00E-11	1.06E-10
3783	438203.3	3761988	3.10E-10	1.06E-09	1.37E-09	4.82E-11	1.73E-10	2.21E-10	2.60E-11	8.02E-11	1.06E-10
3784	438212	3761992	3.11E-10	1.06E-09	1.37E-09	4.83E-11	1.73E-10	2.22E-10	2.60E-11	8.04E-11	1.06E-10
3785	438220.6	3761995	3.12E-10	1.06E-09	1.37E-09	4.84E-11	1.74E-10	2.22E-10	2.61E-11	8.05E-11	1.07E-10
3786	438229.2	3761999	3.12E-10	1.06E-09	1.38E-09	4.85E-11	1.74E-10	2.22E-10	2.61E-11	8.06E-11	1.07E-10
3787	438237.8	3762002	3.12E-10	1.07E-09	1.38E-09	4.86E-11	1.74E-10	2.23E-10	2.62E-11	8.07E-11	1.07E-10
3788	438246.5	3762006	3.13E-10	1.07E-09	1.38E-09	4.86E-11	1.74E-10	2.23E-10	2.62E-11	8.08E-11	1.07E-10
3789	438255.1	3762010	3.13E-10	1.07E-09	1.38E-09	4.87E-11	1.74E-10	2.23E-10	2.62E-11	8.09E-11	1.07E-10
3790	438267.3	3762022	3.17E-10	1.08E-09	1.40E-09	4.93E-11	1.77E-10	2.26E-10	2.65E-11	8.19E-11	1.08E-10
3791	438270.9	3762030	3.21E-10	1.09E-09	1.42E-09	4.99E-11	1.79E-10	2.29E-10	2.69E-11	8.29E-11	1.10E-10
3792	438274.4	3762039	3.25E-10	1.11E-09	1.43E-09	5.04E-11	1.81E-10	2.31E-10	2.72E-11	8.39E-11	1.11E-10
3793	438303	3762108	3.56E-10	1.21E-09	1.57E-09	5.53E-11	1.98E-10	2.54E-10	2.98E-11	9.20E-11	1.22E-10
3794	438306.5	3762117	3.60E-10	1.23E-09	1.59E-09	5.59E-11	2.01E-10	2.57E-10	3.01E-11	9.30E-11	1.23E-10
3795	438310.1	3762125	3.64E-10	1.24E-09	1.61E-09	5.66E-11	2.03E-10	2.60E-10	3.05E-11	9.41E-11	1.25E-10
3796	438313.7	3762134	3.69E-10	1.26E-09	1.63E-09	5.73E-11	2.05E-10	2.63E-10	3.08E-11	9.52E-11	1.26E-10
3797	438317.2	3762143	3.73E-10	1.27E-09	1.64E-09	5.79E-11	2.08E-10	2.66E-10	3.12E-11	9.63E-11	1.28E-10
3798	438320.8	3762151	3.77E-10	1.29E-09	1.66E-09	5.86E-11	2.10E-10	2.69E-10	3.16E-11	9.74E-11	1.29E-10
3799	438324.4	3762160	3.81E-10	1.30E-09	1.68E-09	5.93E-11	2.12E-10	2.72E-10	3.19E-11	9.85E-11	1.30E-10
3800	438327.9	3762169	3.86E-10	1.32E-09	1.70E-09	5.99E-11	2.15E-10	2.75E-10	3.23E-11	9.97E-11	1.32E-10
3801	438331.5	3762177	3.90E-10	1.33E-09	1.72E-09	6.06E-11	2.17E-10	2.78E-10	3.26E-11	1.01E-10	1.33E-10
3802	438335.1	3762186	3.95E-10	1.35E-09	1.74E-09	6.13E-11	2.20E-10	2.81E-10	3.30E-11	1.02E-10	1.35E-10
3803	438338.6	3762194	3.99E-10	1.36E-09	1.76E-09	6.20E-11	2.22E-10	2.84E-10	3.34E-11	1.03E-10	1.37E-10
3804	438342.2	3762203	4.04E-10	1.38E-09	1.78E-09	6.27E-11	2.25E-10	2.88E-10	3.38E-11	1.04E-10	1.38E-10
3805	438345.8	3762212	4.08E-10	1.39E-09	1.80E-09	6.35E-11	2.28E-10	2.91E-10	3.42E-11	1.06E-10	1.40E-10
3806	438349.3	3762220	4.13E-10	1.41E-09	1.82E-09	6.42E-11	2.30E-10	2.94E-10	3.46E-11	1.07E-10	1.41E-10
3807	438352.9	3762229	4.18E-10	1.43E-09	1.84E-09	6.50E-11	2.33E-10	2.98E-10	3.50E-11	1.08E-10	1.43E-10
3808	438388.5	3762315	4.75E-10	1.62E-09	2.09E-09	7.38E-11	2.65E-10	3.38E-10	3.98E-11	1.23E-10	1.63E-10
3809	438392.1	3762324	4.82E-10	1.64E-09	2.12E-09	7.48E-11	2.68E-10	3.43E-10	4.03E-11	1.24E-10	1.65E-10
3810	438395.7	3762333	4.88E-10	1.67E-09	2.15E-09	7.59E-11	2.72E-10	3.48E-10	4.09E-11	1.26E-10	1.67E-10
3811	438399.2	3762341	4.95E-10	1.69E-09	2.19E-09	7.70E-11	2.76E-10	3.53E-10	4.15E-11	1.28E-10	1.70E-10
3812	438402.8	3762350	5.03E-10	1.71E-09	2.22E-09	7.81E-11	2.80E-10	3.58E-10	4.21E-11	1.30E-10	1.72E-10
3813	438406.4	3762359	5.10E-10	1.74E-09	2.25E-09	7.93E-11	2.84E-10	3.63E-10	4.27E-11	1.32E-10	1.74E-10
3814	438409.9	3762367	5.18E-10	1.77E-09	2.28E-09	8.04E-11	2.88E-10	3.69E-10	4.33E-11	1.34E-10	1.77E-10
3815	438413.5	3762376	5.25E-10	1.79E-09	2.32E-09	8.16E-11	2.93E-10	3.74E-10	4.40E-11	1.36E-10	1.80E-10
3816	438417.1	3762384	5.33E-10	1.82E-09	2.35E-09	8.29E-11	2.97E-10	3.80E-10	4.46E-11	1.38E-10	1.82E-10
3817	438420.6	3762393	5.41E-10	1.85E-09	2.39E-09	8.41E-11	3.02E-10	3.86E-10	4.53E-11	1.40E-10	1.85E-10
3818	438424.2	3762402	5.50E-10	1.87E-09	2.42E-09	8.54E-11	3.06E-10	3.92E-10	4.60E-11	1.42E-10	1.88E-10
3819	438427.8	3762410	5.58E-10	1.90E-09	2.46E-09	8.67E-11	3.11E-10	3.98E-10	4.67E-11	1.44E-10	1.91E-10
3820	438431.3	3762419	5.67E-10	1.93E-09	2.50E-09	8.81E-11	3.16E-10	4.04E-10	4.74E-11	1.46E-10	1.94E-10
3821	438434.9	3762428	5.76E-10	1.96E-09	2.54E-09	8.94E-11	3.21E-10	4.10E-10	4.82E-11	1.49E-10	1.97E-10
3822	438438.5	3762436	5.84E-10	1.99E-09	2.58E-09	9.08E-11	3.26E-10	4.16E-10	4.89E-11	1.51E-10	2.00E-10
3823	438442	3762445	5.94E-10	2.02E-09	2.62E-09	9.22E-11	3.31E-10	4.23E-10	4.97E-11	1.53E-10	2.03E-10
3824	438445.6	3762453	6.03E-10	2.06E-09	2.66E-09	9.37E-11	3.36E-10	4.29E-10	5.05E-11	1.56E-10	2.06E-10
3825	438449.2	3762462	6.12E-10	2.09E-09	2.70E-09	9.51E-11	3.41E-10	4.36E-10	5.12E-11	1.58E-10	2.09E-10
3826	438452.7	3762471	6.22E-10	2.12E-09	2.74E-09	9.66E-11	3.46E-10	4.43E-10	5.20E-11	1.61E-10	2.13E-10
3827	438456.3	3762479	6.31E-10	2.15E-09	2.78E-09	9.81E-11	3.52E-10	4.50E-10	5.28E-11	1.63E-10	2.16E-10
3828	438459.9	3762488	6.41E-10	2.19E-09	2.83E-09	9.96E-11	3.57E-10	4.57E-10	5.36E-11	1.66E-10	2.19E-10
3829	438463.4	3762497	6.51E-10	2.22E-09	2.87E-09	1.01E-10	3.62E-10	4.64E-10	5.45E-11	1.68E-10	2.23E-10
3830	438467	3762505	6.61E-10	2.25E-09	2.91E-09	1.03E-10	3.68E-10	4.71E-10	5.53E-11	1.71E-10	2.26E-10
3831	438470.6	3762514	6.70E-10	2.29E-09	2.96E-09	1.04E-10	3.73E-10	4.78E-10	5.61E-11	1.73E-10	2.29E-10
3832	438474.1	3762523	6.80E-10	2.32E-09	3.00E-09	1.06E-10	3.79E-10	4.85E-10	5.69E-11	1.76E-10	2.33E-10
3833	438477.7	3762531	6.90E-10	2.35E-09	3.04E-09	1.07E-10	3.84E-10	4.92E-10	5.78E-11	1.78E-10	2.36E-10
3834	438481.3	3762540	7.00E-10	2.39E-09	3.09E-09	1.09E-10	3.90E-10	4.99E-10	5.86E-11	1.81E-10	2.40E-10
3835	438484.8	3762548	7.10E-10	2.42E-09	3.13E-09	1.10E-10	3.95E-10	5.06E-10	5.94E-11	1.83E-10	2.43E-10
3836	438488.4	3762557	7.20E-10	2.45E-09	3.17E-09	1.12E-10	4.01E-10	5.13E-10	6.03E-11	1.86E-10	2.46E-10
3837	438492	3762566	7.30E-10	2.49E-09	3.22E-09	1.13E-10	4.07E-10	5.20E-10	6.11E-11	1.89E-10	2.50E-10
3838	438495.5	3762574	7.40E-10	2.52E-09	3.26E-09	1.15E-10	4.12E-10	5.27E-10	6.19E-11	1.91E-10	2.53E-10
3839	438499.1	3762583	7.49E-10	2.56E-09	3.30E-09	1.16E-10	4.17E-10	5.34E-10	6.27E-11	1.94E-10	2.56E-10

3840	438502.7	3762592	7.59E-10	2.59E-09	3.35E-09	1.18E-10	4.23E-10	5.41E-10	6.35E-11	1.96E-10	2.60E-10
3841	438506.2	3762600	7.69E-10	2.62E-09	3.39E-09	1.19E-10	4.28E-10	5.48E-10	6.43E-11	1.99E-10	2.63E-10
3842	438509.8	3762609	7.78E-10	2.65E-09	3.43E-09	1.21E-10	4.34E-10	5.55E-10	6.52E-11	2.01E-10	2.66E-10
3843	438513.4	3762618	7.88E-10	2.69E-09	3.48E-09	1.22E-10	4.39E-10	5.62E-10	6.60E-11	2.04E-10	2.70E-10
3844	438516.9	3762626	7.98E-10	2.72E-09	3.52E-09	1.24E-10	4.44E-10	5.68E-10	6.68E-11	2.06E-10	2.73E-10
3845	438520.5	3762635	8.07E-10	2.75E-09	3.56E-09	1.25E-10	4.50E-10	5.75E-10	6.76E-11	2.09E-10	2.76E-10
3846	438524.1	3762643	8.16E-10	2.78E-09	3.60E-09	1.27E-10	4.55E-10	5.82E-10	6.83E-11	2.11E-10	2.79E-10
3847	438527.6	3762652	8.26E-10	2.82E-09	3.64E-09	1.28E-10	4.60E-10	5.88E-10	6.91E-11	2.13E-10	2.82E-10
3848	438531.2	3762661	8.35E-10	2.85E-09	3.68E-09	1.30E-10	4.65E-10	5.95E-10	6.99E-11	2.16E-10	2.85E-10
3849	438534.7	3762669	8.43E-10	2.88E-09	3.72E-09	1.31E-10	4.70E-10	6.01E-10	7.06E-11	2.18E-10	2.89E-10
3850	438538.3	3762678	8.52E-10	2.91E-09	3.76E-09	1.32E-10	4.75E-10	6.07E-10	7.13E-11	2.20E-10	2.91E-10
3851	438541.9	3762687	8.60E-10	2.93E-09	3.79E-09	1.34E-10	4.79E-10	6.13E-10	7.20E-11	2.22E-10	2.94E-10
3852	438545.4	3762695	8.69E-10	2.96E-09	3.83E-09	1.35E-10	4.84E-10	6.19E-10	7.27E-11	2.24E-10	2.97E-10
3853	438549	3762704	8.77E-10	2.99E-09	3.87E-09	1.36E-10	4.88E-10	6.25E-10	7.34E-11	2.27E-10	3.00E-10
3854	438552.6	3762713	8.85E-10	3.02E-09	3.90E-09	1.37E-10	4.93E-10	6.30E-10	7.40E-11	2.29E-10	3.03E-10
3855	437683.5	3762711	1.76E-08	6.00E-08	7.76E-08	2.73E-09	9.80E-09	1.25E-08	1.47E-09	4.54E-09	6.02E-09
3856	437703.5	3762711	1.52E-08	5.17E-08	6.69E-08	2.36E-09	8.45E-09	1.08E-08	1.27E-09	3.92E-09	5.19E-09
3857	437723.5	3762711	1.32E-08	4.50E-08	5.82E-08	2.05E-09	7.36E-09	9.41E-09	1.11E-09	3.41E-09	4.52E-09
3858	437743.5	3762711	1.16E-08	3.95E-08	5.11E-08	1.80E-09	6.46E-09	8.26E-09	9.70E-10	3.00E-09	3.97E-09
3859	437803.5	3762711	8.19E-09	2.79E-08	3.61E-08	1.27E-09	4.56E-09	5.84E-09	6.86E-10	2.12E-09	2.80E-09
3860	437803.5	3762675	6.42E-09	2.19E-08	2.83E-08	9.98E-10	3.58E-09	4.58E-09	5.38E-10	1.66E-09	2.20E-09
3861	437863.5	3762711	6.07E-09	2.07E-08	2.68E-08	9.44E-10	3.38E-09	4.33E-09	5.08E-10	1.57E-09	2.08E-09
3862	437863.5	3762702	5.78E-09	1.97E-08	2.55E-08	8.98E-10	3.22E-09	4.12E-09	4.84E-10	1.49E-09	1.98E-09
3863	437863.5	3762693	5.49E-09	1.87E-08	2.42E-08	8.53E-10	3.06E-09	3.91E-09	4.60E-10	1.42E-09	1.88E-09
3864	437893.5	3762711	5.31E-09	1.81E-08	2.34E-08	8.25E-10	2.96E-09	3.78E-09	4.44E-10	1.37E-09	1.82E-09
3865	437893.5	3762702	5.07E-09	1.73E-08	2.24E-08	7.88E-10	2.82E-09	3.61E-09	4.24E-10	1.31E-09	1.73E-09
3866	437893.5	3762693	4.84E-09	1.65E-08	2.13E-08	7.52E-10	2.69E-09	3.45E-09	4.05E-10	1.25E-09	1.65E-09
3867	437923.5	3762711	4.68E-09	1.60E-08	2.06E-08	7.27E-10	2.61E-09	3.33E-09	3.92E-10	1.21E-09	1.60E-09
3868	437923.5	3762702	4.48E-09	1.53E-08	1.98E-08	6.96E-10	2.50E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
3869	437923.5	3762693	4.29E-09	1.46E-08	1.89E-08	6.67E-10	2.39E-09	3.06E-09	3.59E-10	1.11E-09	1.47E-09
3870	438013.5	3762711	3.33E-09	1.13E-08	1.47E-08	5.17E-10	1.85E-09	2.37E-09	2.78E-10	8.60E-10	1.14E-09
3871	438013.5	3762702	3.21E-09	1.10E-08	1.42E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.30E-10	1.10E-09
3872	438013.5	3762693	3.10E-09	1.06E-08	1.37E-08	4.82E-10	1.73E-09	2.21E-09	2.59E-10	8.01E-10	1.06E-09
3873	438043.5	3762711	3.00E-09	1.02E-08	1.32E-08	4.67E-10	1.67E-09	2.14E-09	2.51E-10	7.76E-10	1.03E-09
3874	438043.5	3762702	2.91E-09	9.91E-09	1.28E-08	4.51E-10	1.62E-09	2.07E-09	2.43E-10	7.51E-10	9.94E-10
3875	438043.5	3762693	2.81E-09	9.58E-09	1.24E-08	4.37E-10	1.57E-09	2.00E-09	2.35E-10	7.26E-10	9.61E-10
3876	438083.5	3762720	2.72E-09	9.27E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.03E-10	9.30E-10
3877	438083.5	3762711	2.64E-09	9.00E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.82E-10	9.03E-10
3878	438123.5	3762684	2.14E-09	7.30E-09	9.44E-09	3.33E-10	1.19E-09	1.52E-09	1.79E-10	5.53E-10	7.32E-10
3879	438123.5	3762675	2.08E-09	7.08E-09	9.16E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.37E-10	7.11E-10
3880	438163.5	3762711	2.08E-09	7.09E-09	9.17E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.37E-10	7.11E-10
3881	438163.5	3762702	2.03E-09	6.91E-09	8.93E-09	3.15E-10	1.13E-09	1.44E-09	1.70E-10	5.24E-10	6.93E-10
3882	438163.5	3762693	1.97E-09	6.73E-09	8.70E-09	3.07E-10	1.10E-09	1.41E-09	1.65E-10	5.10E-10	6.75E-10
3883	438163.5	3762684	1.92E-09	6.55E-09	8.46E-09	2.98E-10	1.07E-09	1.37E-09	1.61E-10	4.96E-10	6.57E-10
3884	438163.5	3762675	1.87E-09	6.36E-09	8.23E-09	2.90E-10	1.04E-09	1.33E-09	1.56E-10	4.82E-10	6.38E-10
3885	438203.5	3762711	1.86E-09	6.36E-09	8.22E-09	2.90E-10	1.04E-09	1.33E-09	1.56E-10	4.82E-10	6.38E-10
3886	438203.5	3762702	1.82E-09	6.21E-09	8.02E-09	2.83E-10	1.01E-09	1.30E-09	1.52E-10	4.70E-10	6.23E-10
3887	438203.5	3762693	1.77E-09	6.05E-09	7.83E-09	2.76E-10	9.89E-10	1.26E-09	1.49E-10	4.59E-10	6.07E-10
3888	438203.5	3762684	1.73E-09	5.90E-09	7.63E-09	2.69E-10	9.64E-10	1.23E-09	1.45E-10	4.47E-10	5.92E-10
3889	438203.5	3762675	1.69E-09	5.75E-09	7.43E-09	2.62E-10	9.39E-10	1.20E-09	1.41E-10	4.35E-10	5.76E-10
3890	438243.5	3762711	1.68E-09	5.72E-09	7.39E-09	2.60E-10	9.34E-10	1.19E-09	1.40E-10	4.33E-10	5.73E-10
3891	438243.5	3762702	1.64E-09	5.60E-09	7.25E-09	2.55E-10	9.16E-10	1.17E-09	1.38E-10	4.25E-10	5.62E-10
3892	438243.5	3762693	1.60E-09	5.47E-09	7.08E-09	2.49E-10	8.94E-10	1.14E-09	1.34E-10	4.15E-10	5.49E-10
3893	438243.5	3762684	1.57E-09	5.34E-09	6.91E-09	2.43E-10	8.73E-10	1.12E-09	1.31E-10	4.05E-10	5.36E-10
3894	438243.5	3762675	1.53E-09	5.21E-09	6.74E-09	2.38E-10	8.52E-10	1.09E-09	1.28E-10	3.95E-10	5.23E-10
3895	438283.5	3762711	1.53E-09	5.21E-09	6.73E-09	2.37E-10	8.50E-10	1.09E-09	1.28E-10	3.94E-10	5.22E-10
3896	438283.5	3762702	1.49E-09	5.09E-09	6.58E-09	2.32E-10	8.32E-10	1.06E-09	1.25E-10	3.86E-10	5.11E-10
3897	438283.5	3762693	1.46E-09	4.98E-09	6.44E-09	2.27E-10	8.13E-10	1.04E-09	1.22E-10	3.77E-10	4.99E-10
3898	438283.5	3762684	1.43E-09	4.86E-09	6.29E-09	2.22E-10	7.95E-10	1.02E-09	1.19E-10	3.69E-10	4.88E-10
3899	438283.5	3762675	1.39E-09	4.75E-09	6.15E-09	2.17E-10	7.77E-10	9.93E-10	1.17E-10	3.60E-10	4.77E-10
3900	438323.5	3762711	1.39E-09	4.74E-09	6.13E-09	2.16E-10	7.75E-10	9.91E-10	1.16E-10	3.59E-10	4.76E-10

3901	438323.5	3762702	1.36E-09	4.64E-09	6.01E-09	2.12E-10	7.59E-10	9.70E-10	1.14E-10	3.52E-10	4.66E-10
3902	438323.5	3762693	1.33E-09	4.55E-09	5.88E-09	2.07E-10	7.43E-10	9.50E-10	1.12E-10	3.44E-10	4.56E-10
3903	438323.5	3762684	1.31E-09	4.45E-09	5.76E-09	2.03E-10	7.27E-10	9.30E-10	1.09E-10	3.37E-10	4.46E-10
3904	438323.5	3762675	1.28E-09	4.36E-09	5.63E-09	1.98E-10	7.11E-10	9.10E-10	1.07E-10	3.30E-10	4.37E-10
3905	438403.5	3762711	1.17E-09	3.99E-09	5.16E-09	1.82E-10	6.52E-10	8.34E-10	9.80E-11	3.03E-10	4.01E-10
3906	438403.5	3762702	1.15E-09	3.92E-09	5.07E-09	1.79E-10	6.40E-10	8.19E-10	9.62E-11	2.97E-10	3.93E-10
3907	438403.5	3762693	1.13E-09	3.84E-09	4.97E-09	1.75E-10	6.28E-10	8.03E-10	9.43E-11	2.91E-10	3.86E-10
3908	438403.5	3762684	1.11E-09	3.77E-09	4.87E-09	1.72E-10	6.16E-10	7.88E-10	9.25E-11	2.86E-10	3.78E-10
3909	438403.5	3762675	1.08E-09	3.70E-09	4.78E-09	1.68E-10	6.04E-10	7.72E-10	9.07E-11	2.80E-10	3.71E-10
3910	438443.5	3762711	1.08E-09	3.68E-09	4.76E-09	1.68E-10	6.02E-10	7.70E-10	9.04E-11	2.79E-10	3.70E-10
3911	438443.5	3762702	1.06E-09	3.62E-09	4.68E-09	1.65E-10	5.91E-10	7.56E-10	8.88E-11	2.74E-10	3.63E-10
3912	438443.5	3762693	1.04E-09	3.55E-09	4.59E-09	1.62E-10	5.80E-10	7.42E-10	8.72E-11	2.69E-10	3.56E-10
3913	438443.5	3762684	1.02E-09	3.49E-09	4.51E-09	1.59E-10	5.70E-10	7.29E-10	8.56E-11	2.64E-10	3.50E-10
3914	438443.5	3762675	1.00E-09	3.42E-09	4.43E-09	1.56E-10	5.59E-10	7.15E-10	8.40E-11	2.59E-10	3.43E-10
3915	437433.5	3762665	1.80E-08	6.14E-08	7.94E-08	2.80E-09	1.00E-08	1.28E-08	1.51E-09	4.65E-09	6.16E-09
3916	437423.6	3762665	1.71E-08	5.85E-08	7.56E-08	2.66E-09	9.55E-09	1.22E-08	1.44E-09	4.43E-09	5.87E-09
3917	437413.7	3762665	1.62E-08	5.53E-08	7.15E-08	2.52E-09	9.03E-09	1.16E-08	1.36E-09	4.19E-09	5.55E-09
3918	437403.8	3762665	1.52E-08	5.20E-08	6.72E-08	2.37E-09	8.49E-09	1.09E-08	1.28E-09	3.94E-09	5.21E-09
3919	437393.9	3762665	1.43E-08	4.87E-08	6.30E-08	2.22E-09	7.95E-09	1.02E-08	1.20E-09	3.69E-09	4.88E-09
3920	437433.5	3762655	1.49E-08	5.06E-08	6.55E-08	2.31E-09	8.27E-09	1.06E-08	1.24E-09	3.84E-09	5.08E-09
3921	437423.6	3762655	1.42E-08	4.84E-08	6.26E-08	2.21E-09	7.91E-09	1.01E-08	1.19E-09	3.67E-09	4.86E-09
3922	437413.7	3762655	1.35E-08	4.60E-08	5.95E-08	2.10E-09	7.51E-09	9.61E-09	1.13E-09	3.49E-09	4.61E-09
3923	437403.8	3762655	1.28E-08	4.35E-08	5.63E-08	1.98E-09	7.11E-09	9.09E-09	1.07E-09	3.30E-09	4.36E-09
3924	437393.9	3762655	1.20E-08	4.10E-08	5.30E-08	1.87E-09	6.70E-09	8.56E-09	1.01E-09	3.11E-09	4.11E-09
3925	437433.4	3762645	1.24E-08	4.24E-08	5.49E-08	1.93E-09	6.93E-09	8.86E-09	1.04E-09	3.21E-09	4.26E-09
3926	437423.6	3762645	1.19E-08	4.07E-08	5.26E-08	1.85E-09	6.65E-09	8.50E-09	9.99E-10	3.08E-09	4.08E-09
3927	437413.7	3762645	1.14E-08	3.88E-08	5.02E-08	1.77E-09	6.34E-09	8.11E-09	9.53E-10	2.94E-09	3.90E-09
3928	437403.8	3762645	1.08E-08	3.69E-08	4.78E-08	1.68E-09	6.03E-09	7.72E-09	9.07E-10	2.80E-09	3.70E-09
3929	437393.9	3762645	1.03E-08	3.50E-08	4.52E-08	1.59E-09	5.72E-09	7.31E-09	8.59E-10	2.65E-09	3.51E-09
3930	437433.4	3762635	1.06E-08	3.60E-08	4.65E-08	1.64E-09	5.88E-09	7.52E-09	8.83E-10	2.73E-09	3.61E-09
3931	437423.5	3762635	1.02E-08	3.46E-08	4.48E-08	1.58E-09	5.66E-09	7.23E-09	8.50E-10	2.62E-09	3.47E-09
3932	437413.6	3762635	9.73E-09	3.32E-08	4.29E-08	1.51E-09	5.42E-09	6.93E-09	8.14E-10	2.51E-09	3.33E-09
3933	437403.7	3762635	9.30E-09	3.17E-08	4.10E-08	1.44E-09	5.18E-09	6.62E-09	7.78E-10	2.40E-09	3.18E-09
3934	437393.8	3762635	8.85E-09	3.02E-08	3.90E-08	1.38E-09	4.93E-09	6.31E-09	7.41E-10	2.29E-09	3.03E-09
3935	437433.4	3762625	9.05E-09	3.09E-08	3.99E-08	1.41E-09	5.04E-09	6.45E-09	7.58E-10	2.34E-09	3.10E-09
3936	437423.5	3762625	8.74E-09	2.98E-08	3.85E-08	1.36E-09	4.87E-09	6.22E-09	7.31E-10	2.26E-09	2.99E-09
3937	437413.6	3762625	8.40E-09	2.87E-08	3.71E-08	1.31E-09	4.68E-09	5.99E-09	7.03E-10	2.17E-09	2.87E-09
3938	437403.7	3762625	8.06E-09	2.75E-08	3.55E-08	1.25E-09	4.49E-09	5.74E-09	6.75E-10	2.08E-09	2.76E-09
3939	437393.8	3762625	7.71E-09	2.63E-08	3.40E-08	1.20E-09	4.30E-09	5.49E-09	6.46E-10	1.99E-09	2.64E-09
3940	437433.3	3762615	7.85E-09	2.68E-08	3.46E-08	1.22E-09	4.37E-09	5.59E-09	6.57E-10	2.03E-09	2.69E-09
3941	437423.4	3762615	7.60E-09	2.59E-08	3.35E-08	1.18E-09	4.23E-09	5.41E-09	6.36E-10	1.96E-09	2.60E-09
3942	437413.5	3762615	7.33E-09	2.50E-08	3.23E-08	1.14E-09	4.08E-09	5.22E-09	6.14E-10	1.89E-09	2.51E-09
3943	437403.6	3762615	7.06E-09	2.41E-08	3.11E-08	1.10E-09	3.93E-09	5.03E-09	5.91E-10	1.82E-09	2.41E-09
3944	437393.8	3762615	6.78E-09	2.31E-08	2.99E-08	1.05E-09	3.78E-09	4.83E-09	5.67E-10	1.75E-09	2.32E-09
3945	437433.3	3762605	6.87E-09	2.34E-08	3.03E-08	1.07E-09	3.83E-09	4.90E-09	5.75E-10	1.78E-09	2.35E-09
3946	437423.4	3762605	6.66E-09	2.27E-08	2.94E-08	1.04E-09	3.71E-09	4.75E-09	5.58E-10	1.72E-09	2.28E-09
3947	437413.5	3762605	6.45E-09	2.20E-08	2.84E-08	1.00E-09	3.59E-09	4.59E-09	5.40E-10	1.67E-09	2.21E-09
3948	437403.6	3762605	6.23E-09	2.12E-08	2.75E-08	9.68E-10	3.47E-09	4.44E-09	5.21E-10	1.61E-09	2.13E-09
3949	437393.7	3762605	6.00E-09	2.05E-08	2.65E-08	9.33E-10	3.34E-09	4.28E-09	5.02E-10	1.55E-09	2.05E-09
3950	437475.6	3762608	7.96E-09	2.71E-08	3.51E-08	1.24E-09	4.43E-09	5.67E-09	6.66E-10	2.06E-09	2.72E-09
3951	437433.3	3762595	6.06E-09	2.07E-08	2.67E-08	9.42E-10	3.38E-09	4.32E-09	5.07E-10	1.57E-09	2.07E-09
3952	437423.4	3762595	5.89E-09	2.01E-08	2.60E-08	9.15E-10	3.28E-09	4.20E-09	4.93E-10	1.52E-09	2.02E-09
3953	437413.5	3762595	5.71E-09	1.95E-08	2.52E-08	8.88E-10	3.18E-09	4.07E-09	4.78E-10	1.48E-09	1.95E-09
3954	437403.6	3762595	5.53E-09	1.89E-08	2.44E-08	8.60E-10	3.08E-09	3.94E-09	4.63E-10	1.43E-09	1.89E-09
3955	437393.7	3762595	5.35E-09	1.82E-08	2.36E-08	8.31E-10	2.98E-09	3.81E-09	4.48E-10	1.38E-09	1.83E-09
3956	437433.2	3762585	5.38E-09	1.84E-08	2.37E-08	8.36E-10	3.00E-09	3.83E-09	4.50E-10	1.39E-09	1.84E-09
3957	437423.3	3762585	5.24E-09	1.79E-08	2.31E-08	8.14E-10	2.92E-09	3.73E-09	4.39E-10	1.35E-09	1.79E-09
3958	437413.4	3762585	5.09E-09	1.74E-08	2.25E-08	7.92E-10	2.84E-09	3.63E-09	4.26E-10	1.32E-09	1.74E-09
3959	437403.5	3762585	4.95E-09	1.69E-08	2.18E-08	7.68E-10	2.75E-09	3.52E-09	4.14E-10	1.28E-09	1.69E-09
3960	437393.6	3762585	4.79E-09	1.63E-08	2.11E-08	7.45E-10	2.67E-09	3.42E-09	4.01E-10	1.24E-09	1.64E-09
3961	437478.6	3762589	6.28E-09	2.14E-08	2.77E-08	9.76E-10	3.50E-09	4.47E-09	5.26E-10	1.62E-09	2.15E-09

3962	437433.2	3762575	4.81E-09	1.64E-08	2.12E-08	7.47E-10	2.68E-09	3.42E-09	4.02E-10	1.24E-09	1.64E-09
3963	437423.3	3762575	4.69E-09	1.60E-08	2.07E-08	7.28E-10	2.61E-09	3.34E-09	3.92E-10	1.21E-09	1.60E-09
3964	437413.4	3762575	4.57E-09	1.56E-08	2.01E-08	7.10E-10	2.54E-09	3.25E-09	3.82E-10	1.18E-09	1.56E-09
3965	437403.5	3762575	4.44E-09	1.52E-08	1.96E-08	6.90E-10	2.48E-09	3.17E-09	3.72E-10	1.15E-09	1.52E-09
3966	437393.6	3762575	4.32E-09	1.47E-08	1.90E-08	6.71E-10	2.41E-09	3.08E-09	3.61E-10	1.12E-09	1.48E-09
3967	437477.1	3762569	4.93E-09	1.68E-08	2.17E-08	7.66E-10	2.75E-09	3.51E-09	4.12E-10	1.27E-09	1.69E-09
3968	437433.1	3762555	3.89E-09	1.33E-08	1.72E-08	6.05E-10	2.17E-09	2.78E-09	3.26E-10	1.01E-09	1.33E-09
3969	437423.2	3762555	3.81E-09	1.30E-08	1.68E-08	5.92E-10	2.12E-09	2.71E-09	3.19E-10	9.84E-10	1.30E-09
3970	437413.3	3762555	3.72E-09	1.27E-08	1.64E-08	5.79E-10	2.07E-09	2.65E-09	3.12E-10	9.62E-10	1.27E-09
3971	437403.4	3762555	3.64E-09	1.24E-08	1.60E-08	5.65E-10	2.03E-09	2.59E-09	3.04E-10	9.40E-10	1.24E-09
3972	437393.5	3762555	3.55E-09	1.21E-08	1.57E-08	5.52E-10	1.98E-09	2.53E-09	2.97E-10	9.17E-10	1.21E-09
3973	437479	3762549	4.04E-09	1.38E-08	1.78E-08	6.28E-10	2.25E-09	2.88E-09	3.39E-10	1.05E-09	1.38E-09
3974	437524.2	3762568	5.18E-09	1.77E-08	2.29E-08	8.05E-10	2.89E-09	3.69E-09	4.34E-10	1.34E-09	1.77E-09
3975	437533.2	3762572	5.42E-09	1.85E-08	2.39E-08	8.43E-10	3.02E-09	3.86E-09	4.54E-10	1.40E-09	1.86E-09
3976	437433	3762535	3.22E-09	1.10E-08	1.42E-08	5.00E-10	1.79E-09	2.29E-09	2.69E-10	8.31E-10	1.10E-09
3977	437423.1	3762535	3.15E-09	1.08E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.15E-10	1.08E-09
3978	437413.2	3762535	3.09E-09	1.05E-08	1.36E-08	4.80E-10	1.72E-09	2.20E-09	2.59E-10	7.98E-10	1.06E-09
3979	437403.3	3762535	3.03E-09	1.03E-08	1.33E-08	4.70E-10	1.69E-09	2.16E-09	2.53E-10	7.82E-10	1.04E-09
3980	437393.4	3762535	2.96E-09	1.01E-08	1.31E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.65E-10	1.01E-09
3981	437477.8	3762529	3.32E-09	1.13E-08	1.46E-08	5.15E-10	1.85E-09	2.36E-09	2.78E-10	8.57E-10	1.13E-09
3982	437530.2	3762551	4.34E-09	1.48E-08	1.91E-08	6.74E-10	2.42E-09	3.09E-09	3.63E-10	1.12E-09	1.48E-09
3983	437432.9	3762515	2.70E-09	9.21E-09	1.19E-08	4.20E-10	1.50E-09	1.92E-09	2.26E-10	6.98E-10	9.24E-10
3984	437423.1	3762515	2.65E-09	9.04E-09	1.17E-08	4.12E-10	1.48E-09	1.89E-09	2.22E-10	6.85E-10	9.07E-10
3985	437413.2	3762515	2.60E-09	8.87E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.18E-10	6.72E-10	8.90E-10
3986	437403.3	3762515	2.55E-09	8.71E-09	1.13E-08	3.97E-10	1.42E-09	1.82E-09	2.14E-10	6.60E-10	8.74E-10
3987	437393.4	3762515	2.51E-09	8.54E-09	1.10E-08	3.89E-10	1.40E-09	1.78E-09	2.10E-10	6.47E-10	8.57E-10
3988	437479.3	3762510	2.80E-09	9.55E-09	1.23E-08	4.35E-10	1.56E-09	1.99E-09	2.34E-10	7.24E-10	9.58E-10
3989	437524.9	3762528	3.50E-09	1.19E-08	1.54E-08	5.43E-10	1.95E-09	2.49E-09	2.93E-10	9.03E-10	1.20E-09
3990	437432.9	3762495	2.30E-09	7.83E-09	1.01E-08	3.57E-10	1.28E-09	1.64E-09	1.92E-10	5.93E-10	7.85E-10
3991	437423	3762495	2.26E-09	7.70E-09	9.95E-09	3.51E-10	1.26E-09	1.61E-09	1.89E-10	5.83E-10	7.72E-10
3992	437413.1	3762495	2.22E-09	7.57E-09	9.79E-09	3.45E-10	1.24E-09	1.58E-09	1.86E-10	5.73E-10	7.59E-10
3993	437403.2	3762495	2.18E-09	7.44E-09	9.62E-09	3.39E-10	1.22E-09	1.55E-09	1.83E-10	5.64E-10	7.46E-10
3994	437393.3	3762495	2.14E-09	7.31E-09	9.46E-09	3.33E-10	1.19E-09	1.53E-09	1.80E-10	5.54E-10	7.34E-10
3995	437478.2	3762489	2.36E-09	8.06E-09	1.04E-08	3.67E-10	1.32E-09	1.68E-09	1.98E-10	6.11E-10	8.09E-10
3996	437531.4	3762511	3.02E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.53E-10	7.80E-10	1.03E-09
3997	437610.4	3762595	6.60E-09	2.25E-08	2.91E-08	1.03E-09	3.68E-09	4.70E-09	5.52E-10	1.70E-09	2.26E-09
3998	437617.7	3762613	7.88E-09	2.69E-08	3.47E-08	1.22E-09	4.39E-09	5.61E-09	6.59E-10	2.04E-09	2.69E-09
3999	437632.4	3762648	1.14E-08	3.88E-08	5.02E-08	1.77E-09	6.34E-09	8.11E-09	9.53E-10	2.94E-09	3.89E-09
4000	437432.8	3762475	1.97E-09	6.73E-09	8.70E-09	3.07E-10	1.10E-09	1.41E-09	1.65E-10	5.10E-10	6.75E-10
4001	437422.9	3762475	1.94E-09	6.62E-09	8.57E-09	3.02E-10	1.08E-09	1.38E-09	1.63E-10	5.02E-10	6.65E-10
4002	437413	3762475	1.91E-09	6.52E-09	8.44E-09	2.97E-10	1.07E-09	1.36E-09	1.60E-10	4.94E-10	6.54E-10
4003	437403.1	3762475	1.88E-09	6.42E-09	8.30E-09	2.93E-10	1.05E-09	1.34E-09	1.58E-10	4.87E-10	6.44E-10
4004	437393.2	3762475	1.85E-09	6.32E-09	8.18E-09	2.88E-10	1.03E-09	1.32E-09	1.55E-10	4.79E-10	6.34E-10
4005	437477.3	3762469	2.02E-09	6.89E-09	8.91E-09	3.14E-10	1.13E-09	1.44E-09	1.69E-10	5.22E-10	6.91E-10
4006	437529.3	3762490	2.54E-09	8.65E-09	1.12E-08	3.94E-10	1.41E-09	1.81E-09	2.12E-10	6.56E-10	8.68E-10
4007	437623.9	3762579	5.49E-09	1.87E-08	2.42E-08	8.52E-10	3.06E-09	3.91E-09	4.59E-10	1.42E-09	1.88E-09
4008	437645.5	3762631	8.87E-09	3.03E-08	3.91E-08	1.38E-09	4.94E-09	6.32E-09	7.43E-10	2.29E-09	3.04E-09
4009	437432.7	3762455	1.71E-09	5.84E-09	7.55E-09	2.66E-10	9.54E-10	1.22E-09	1.43E-10	4.42E-10	5.86E-10
4010	437422.8	3762455	1.69E-09	5.76E-09	7.44E-09	2.62E-10	9.40E-10	1.20E-09	1.41E-10	4.36E-10	5.77E-10
4011	437412.9	3762455	1.66E-09	5.67E-09	7.34E-09	2.59E-10	9.27E-10	1.19E-09	1.39E-10	4.30E-10	5.69E-10
4012	437403	3762455	1.64E-09	5.59E-09	7.23E-09	2.55E-10	9.14E-10	1.17E-09	1.37E-10	4.24E-10	5.61E-10
4013	437393.1	3762455	1.62E-09	5.51E-09	7.13E-09	2.51E-10	9.01E-10	1.15E-09	1.35E-10	4.18E-10	5.53E-10
4014	437478.4	3762449	1.76E-09	6.00E-09	7.77E-09	2.74E-10	9.81E-10	1.25E-09	1.47E-10	4.55E-10	6.02E-10
4015	437523.2	3762468	2.12E-09	7.24E-09	9.36E-09	3.30E-10	1.18E-09	1.51E-09	1.78E-10	5.48E-10	7.26E-10
4016	437532.2	3762471	2.20E-09	7.51E-09	9.71E-09	3.42E-10	1.23E-09	1.57E-09	1.84E-10	5.69E-10	7.53E-10
4017	437616.6	3762514	3.11E-09	1.06E-08	1.37E-08	4.83E-10	1.73E-09	2.22E-09	2.60E-10	8.04E-10	1.06E-09
4018	437627.7	3762540	3.83E-09	1.31E-08	1.69E-08	5.96E-10	2.14E-09	2.73E-09	3.21E-10	9.90E-10	1.31E-09
4019	437657.4	3762612	6.94E-09	2.37E-08	3.06E-08	1.08E-09	3.87E-09	4.94E-09	5.81E-10	1.79E-09	2.37E-09
4020	437432.6	3762435	1.50E-09	5.11E-09	6.61E-09	2.33E-10	8.35E-10	1.07E-09	1.25E-10	3.87E-10	5.13E-10
4021	437422.7	3762435	1.48E-09	5.04E-09	6.52E-09	2.30E-10	8.24E-10	1.05E-09	1.24E-10	3.82E-10	5.06E-10
4022	437412.9	3762435	1.46E-09	4.98E-09	6.44E-09	2.27E-10	8.13E-10	1.04E-09	1.22E-10	3.77E-10	4.99E-10

4023	437403	3762435	1.44E-09	4.91E-09	6.35E-09	2.24E-10	8.02E-10	1.03E-09	1.21E-10	3.72E-10	4.93E-10
4024	437393.1	3762435	1.42E-09	4.85E-09	6.27E-09	2.21E-10	7.92E-10	1.01E-09	1.19E-10	3.67E-10	4.86E-10
4025	437477.6	3762429	1.54E-09	5.24E-09	6.77E-09	2.39E-10	8.55E-10	1.09E-09	1.29E-10	3.97E-10	5.25E-10
4026	437530.3	3762451	1.89E-09	6.45E-09	8.35E-09	2.94E-10	1.05E-09	1.35E-09	1.58E-10	4.89E-10	6.47E-10
4027	437641.5	3762526	3.34E-09	1.14E-08	1.47E-08	5.19E-10	1.86E-09	2.38E-09	2.80E-10	8.63E-10	1.14E-09
4028	437659.7	3762569	4.65E-09	1.58E-08	2.05E-08	7.22E-10	2.59E-09	3.31E-09	3.89E-10	1.20E-09	1.59E-09
4029	437674.3	3762604	6.11E-09	2.09E-08	2.70E-08	9.50E-10	3.41E-09	4.36E-09	5.12E-10	1.58E-09	2.09E-09
4030	437681.6	3762622	7.03E-09	2.40E-08	3.10E-08	1.09E-09	3.92E-09	5.01E-09	5.89E-10	1.82E-09	2.41E-09
4031	437432.6	3762415	1.32E-09	4.51E-09	5.83E-09	2.05E-10	7.36E-10	9.42E-10	1.11E-10	3.42E-10	4.52E-10
4032	437422.7	3762415	1.31E-09	4.45E-09	5.76E-09	2.03E-10	7.27E-10	9.30E-10	1.09E-10	3.37E-10	4.47E-10
4033	437412.8	3762415	1.29E-09	4.40E-09	5.69E-09	2.00E-10	7.18E-10	9.18E-10	1.08E-10	3.33E-10	4.41E-10
4034	437402.9	3762415	1.27E-09	4.34E-09	5.62E-09	1.98E-10	7.09E-10	9.07E-10	1.07E-10	3.29E-10	4.36E-10
4035	437393	3762415	1.26E-09	4.29E-09	5.55E-09	1.95E-10	7.01E-10	8.96E-10	1.05E-10	3.25E-10	4.30E-10
4036	437460.4	3762402	1.27E-09	4.33E-09	5.60E-09	1.97E-10	7.07E-10	9.04E-10	1.06E-10	3.28E-10	4.34E-10
4037	437469.5	3762406	1.31E-09	4.48E-09	5.79E-09	2.04E-10	7.31E-10	9.35E-10	1.10E-10	3.39E-10	4.49E-10
4038	437478.5	3762409	1.36E-09	4.63E-09	5.99E-09	2.11E-10	7.57E-10	9.68E-10	1.14E-10	3.51E-10	4.65E-10
4039	437523.7	3762428	1.61E-09	5.50E-09	7.11E-09	2.51E-10	8.98E-10	1.15E-09	1.35E-10	4.17E-10	5.52E-10
4040	437532.7	3762432	1.67E-09	5.69E-09	7.36E-09	2.59E-10	9.29E-10	1.19E-09	1.40E-10	4.31E-10	5.71E-10
4041	437656	3762512	2.97E-09	1.01E-08	1.31E-08	4.61E-10	1.65E-09	2.12E-09	2.49E-10	7.67E-10	1.02E-09
4042	437686	3762584	4.95E-09	1.69E-08	2.18E-08	7.69E-10	2.76E-09	3.52E-09	4.14E-10	1.28E-09	1.69E-09
4043	437432.5	3762395	1.17E-09	4.00E-09	5.18E-09	1.82E-10	6.54E-10	8.36E-10	9.83E-11	3.03E-10	4.02E-10
4044	437422.6	3762395	1.16E-09	3.96E-09	5.12E-09	1.80E-10	6.46E-10	8.27E-10	9.71E-11	3.00E-10	3.97E-10
4045	437412.7	3762395	1.15E-09	3.91E-09	5.06E-09	1.78E-10	6.39E-10	8.17E-10	9.60E-11	2.96E-10	3.92E-10
4046	437402.8	3762395	1.13E-09	3.87E-09	5.00E-09	1.76E-10	6.31E-10	8.08E-10	9.49E-11	2.93E-10	3.88E-10
4047	437392.9	3762395	1.12E-09	3.82E-09	4.94E-09	1.74E-10	6.24E-10	7.99E-10	9.38E-11	2.90E-10	3.83E-10
4048	437451.2	3762378	1.09E-09	3.73E-09	4.83E-09	1.70E-10	6.10E-10	7.80E-10	9.16E-11	2.83E-10	3.74E-10
4049	437504.4	3762400	1.33E-09	4.52E-09	5.84E-09	2.06E-10	7.38E-10	9.44E-10	1.11E-10	3.42E-10	4.53E-10
4050	437513.3	3762404	1.37E-09	4.67E-09	6.04E-09	2.13E-10	7.63E-10	9.75E-10	1.15E-10	3.54E-10	4.68E-10
4051	437522.1	3762407	1.41E-09	4.82E-09	6.23E-09	2.20E-10	7.87E-10	1.01E-09	1.18E-10	3.65E-10	4.84E-10
4052	437531	3762411	1.46E-09	4.98E-09	6.44E-09	2.27E-10	8.13E-10	1.04E-09	1.22E-10	3.77E-10	4.99E-10
4053	437658.9	3762471	2.22E-09	7.58E-09	9.80E-09	3.45E-10	1.24E-09	1.58E-09	1.86E-10	5.74E-10	7.60E-10
4054	437703	3762577	4.44E-09	1.52E-08	1.96E-08	6.91E-10	2.48E-09	3.17E-09	3.72E-10	1.15E-09	1.52E-09
4055	437442.3	3762375	1.06E-09	3.62E-09	4.68E-09	1.65E-10	5.91E-10	7.56E-10	8.89E-11	2.74E-10	3.63E-10
4056	437432.4	3762375	1.05E-09	3.58E-09	4.63E-09	1.63E-10	5.85E-10	7.48E-10	8.78E-11	2.71E-10	3.59E-10
4057	437422.5	3762375	1.04E-09	3.54E-09	4.58E-09	1.61E-10	5.78E-10	7.39E-10	8.69E-11	2.68E-10	3.55E-10
4058	437412.6	3762375	1.03E-09	3.50E-09	4.53E-09	1.59E-10	5.72E-10	7.31E-10	8.59E-11	2.65E-10	3.51E-10
4059	437402.7	3762375	1.02E-09	3.46E-09	4.48E-09	1.58E-10	5.66E-10	7.23E-10	8.50E-11	2.62E-10	3.47E-10
4060	437392.8	3762375	1.00E-09	3.43E-09	4.43E-09	1.56E-10	5.60E-10	7.16E-10	8.41E-11	2.60E-10	3.44E-10
4061	437451.2	3762348	9.33E-10	3.18E-09	4.11E-09	1.45E-10	5.20E-10	6.65E-10	7.81E-11	2.41E-10	3.19E-10
4062	437505.2	3762371	1.12E-09	3.81E-09	4.93E-09	1.74E-10	6.23E-10	7.97E-10	9.36E-11	2.89E-10	3.83E-10
4063	437514.2	3762374	1.15E-09	3.93E-09	5.09E-09	1.79E-10	6.43E-10	8.22E-10	9.66E-11	2.98E-10	3.95E-10
4064	437523.2	3762378	1.19E-09	4.06E-09	5.25E-09	1.85E-10	6.63E-10	8.48E-10	9.96E-11	3.07E-10	4.07E-10
4065	437532.3	3762382	1.23E-09	4.18E-09	5.41E-09	1.91E-10	6.83E-10	8.74E-10	1.03E-10	3.17E-10	4.20E-10
4066	437683.8	3762459	2.01E-09	6.87E-09	8.88E-09	3.13E-10	1.12E-09	1.44E-09	1.69E-10	5.21E-10	6.89E-10
4067	437706.2	3762513	2.76E-09	9.42E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.14E-10	9.45E-10
4068	437713.7	3762531	3.07E-09	1.05E-08	1.36E-08	4.78E-10	1.71E-09	2.19E-09	2.57E-10	7.94E-10	1.05E-09
4069	437442.2	3762345	9.06E-10	3.09E-09	4.00E-09	1.41E-10	5.05E-10	6.46E-10	7.59E-11	2.34E-10	3.10E-10
4070	437432.3	3762345	8.97E-10	3.06E-09	3.95E-09	1.39E-10	4.99E-10	6.39E-10	7.50E-11	2.32E-10	3.07E-10
4071	437422.4	3762345	8.87E-10	3.03E-09	3.91E-09	1.38E-10	4.94E-10	6.32E-10	7.43E-11	2.29E-10	3.03E-10
4072	437412.5	3762345	8.78E-10	2.99E-09	3.87E-09	1.36E-10	4.89E-10	6.26E-10	7.35E-11	2.27E-10	3.00E-10
4073	437402.6	3762345	8.69E-10	2.96E-09	3.83E-09	1.35E-10	4.84E-10	6.19E-10	7.28E-11	2.25E-10	2.97E-10
4074	437392.7	3762345	8.61E-10	2.94E-09	3.80E-09	1.34E-10	4.80E-10	6.13E-10	7.21E-11	2.22E-10	2.95E-10
4075	437451.2	3762318	8.05E-10	2.74E-09	3.55E-09	1.25E-10	4.48E-10	5.73E-10	6.74E-11	2.08E-10	2.75E-10
4076	437505.9	3762341	9.56E-10	3.26E-09	4.22E-09	1.49E-10	5.33E-10	6.81E-10	8.00E-11	2.47E-10	3.27E-10
4077	437515.1	3762345	9.85E-10	3.36E-09	4.34E-09	1.53E-10	5.49E-10	7.02E-10	8.24E-11	2.54E-10	3.37E-10
4078	437524.2	3762348	1.01E-09	3.46E-09	4.47E-09	1.58E-10	5.65E-10	7.23E-10	8.49E-11	2.62E-10	3.47E-10
4079	437701.3	3762429	1.66E-09	5.68E-09	7.34E-09	2.59E-10	9.27E-10	1.19E-09	1.39E-10	4.30E-10	5.69E-10
4080	437705.1	3762438	1.75E-09	5.95E-09	7.70E-09	2.71E-10	9.73E-10	1.24E-09	1.46E-10	4.51E-10	5.97E-10
4081	437720.2	3762474	2.12E-09	7.23E-09	9.35E-09	3.29E-10	1.18E-09	1.51E-09	1.77E-10	5.48E-10	7.25E-10
4082	437742.9	3762529	2.85E-09	9.72E-09	1.26E-08	4.43E-10	1.59E-09	2.03E-09	2.39E-10	7.37E-10	9.75E-10
4083	437761.8	3762574	3.67E-09	1.25E-08	1.62E-08	5.71E-10	2.05E-09	2.62E-09	3.07E-10	9.49E-10	1.26E-09

4084	437769.4	3762593	4.08E-09	1.39E-08	1.80E-08	6.33E-10	2.27E-09	2.90E-09	3.41E-10	1.05E-09	1.39E-09
4085	437777	3762611	4.53E-09	1.54E-08	2.00E-08	7.03E-10	2.52E-09	3.22E-09	3.79E-10	1.17E-09	1.55E-09
4086	437442.1	3762315	7.83E-10	2.67E-09	3.45E-09	1.22E-10	4.36E-10	5.58E-10	6.55E-11	2.02E-10	2.68E-10
4087	437432.2	3762315	7.75E-10	2.64E-09	3.42E-09	1.20E-10	4.32E-10	5.52E-10	6.49E-11	2.00E-10	2.65E-10
4088	437422.3	3762315	7.67E-10	2.62E-09	3.38E-09	1.19E-10	4.28E-10	5.47E-10	6.42E-11	1.98E-10	2.63E-10
4089	437412.4	3762315	7.60E-10	2.59E-09	3.35E-09	1.18E-10	4.23E-10	5.42E-10	6.36E-11	1.96E-10	2.60E-10
4090	437402.5	3762315	7.53E-10	2.57E-09	3.32E-09	1.17E-10	4.19E-10	5.36E-10	6.30E-11	1.95E-10	2.58E-10
4091	437392.6	3762315	7.46E-10	2.54E-09	3.29E-09	1.16E-10	4.16E-10	5.32E-10	6.25E-11	1.93E-10	2.55E-10
4092	437450.9	3762288	7.01E-10	2.39E-09	3.09E-09	1.09E-10	3.91E-10	5.00E-10	5.87E-11	1.81E-10	2.40E-10
4093	437504.4	3762310	8.22E-10	2.80E-09	3.62E-09	1.28E-10	4.58E-10	5.85E-10	6.88E-11	2.12E-10	2.81E-10
4094	437513.4	3762314	8.44E-10	2.88E-09	3.72E-09	1.31E-10	4.70E-10	6.01E-10	7.07E-11	2.18E-10	2.89E-10
4095	437522.3	3762318	8.67E-10	2.96E-09	3.83E-09	1.35E-10	4.83E-10	6.18E-10	7.26E-11	2.24E-10	2.97E-10
4096	437531.2	3762321	8.91E-10	3.04E-09	3.93E-09	1.38E-10	4.97E-10	6.35E-10	7.46E-11	2.30E-10	3.05E-10
4097	437726.1	3762416	1.52E-09	5.19E-09	6.72E-09	2.37E-10	8.48E-10	1.08E-09	1.27E-10	3.93E-10	5.21E-10
4098	437740.9	3762452	1.81E-09	6.18E-09	7.99E-09	2.82E-10	1.01E-09	1.29E-09	1.52E-10	4.68E-10	6.20E-10
4099	437755.7	3762487	2.16E-09	7.37E-09	9.54E-09	3.36E-10	1.20E-09	1.54E-09	1.81E-10	5.59E-10	7.40E-10
4100	437442	3762285	6.84E-10	2.33E-09	3.02E-09	1.06E-10	3.81E-10	4.87E-10	5.72E-11	1.77E-10	2.34E-10
4101	437432.1	3762285	6.77E-10	2.31E-09	2.99E-09	1.05E-10	3.77E-10	4.82E-10	5.67E-11	1.75E-10	2.32E-10
4102	437422.2	3762285	6.71E-10	2.29E-09	2.96E-09	1.04E-10	3.74E-10	4.78E-10	5.61E-11	1.73E-10	2.29E-10
4103	437412.3	3762285	6.65E-10	2.27E-09	2.93E-09	1.03E-10	3.70E-10	4.74E-10	5.56E-11	1.72E-10	2.27E-10
4104	437402.4	3762285	6.59E-10	2.25E-09	2.91E-09	1.02E-10	3.67E-10	4.69E-10	5.51E-11	1.70E-10	2.25E-10
4105	437392.5	3762285	6.53E-10	2.23E-09	2.88E-09	1.01E-10	3.64E-10	4.65E-10	5.47E-11	1.69E-10	2.23E-10
4106	437450.9	3762258	6.17E-10	2.11E-09	2.72E-09	9.59E-11	3.44E-10	4.40E-10	5.17E-11	1.60E-10	2.11E-10
4107	437505.1	3762281	7.18E-10	2.45E-09	3.17E-09	1.12E-10	4.00E-10	5.12E-10	6.01E-11	1.86E-10	2.46E-10
4108	437514.1	3762284	7.37E-10	2.51E-09	3.25E-09	1.15E-10	4.11E-10	5.25E-10	6.17E-11	1.90E-10	2.52E-10
4109	437523.1	3762288	7.56E-10	2.58E-09	3.34E-09	1.18E-10	4.21E-10	5.39E-10	6.33E-11	1.95E-10	2.59E-10
4110	437532.2	3762292	7.76E-10	2.65E-09	3.42E-09	1.21E-10	4.32E-10	5.53E-10	6.50E-11	2.01E-10	2.66E-10
4111	437747.4	3762395	1.34E-09	4.58E-09	5.92E-09	2.09E-10	7.48E-10	9.57E-10	1.12E-10	3.47E-10	4.60E-10
4112	437762.3	3762431	1.58E-09	5.39E-09	6.97E-09	2.46E-10	8.81E-10	1.13E-09	1.32E-10	4.09E-10	5.41E-10
4113	437777.3	3762467	1.86E-09	6.36E-09	8.22E-09	2.90E-10	1.04E-09	1.33E-09	1.56E-10	4.82E-10	6.38E-10
4114	437441.8	3762255	6.03E-10	2.06E-09	2.66E-09	9.37E-11	3.36E-10	4.29E-10	5.05E-11	1.56E-10	2.06E-10
4115	437431.9	3762255	5.97E-10	2.04E-09	2.63E-09	9.28E-11	3.33E-10	4.25E-10	5.00E-11	1.54E-10	2.04E-10
4116	437422.1	3762255	5.92E-10	2.02E-09	2.61E-09	9.20E-11	3.30E-10	4.22E-10	4.95E-11	1.53E-10	2.02E-10
4117	437412.2	3762255	5.87E-10	2.00E-09	2.59E-09	9.11E-11	3.27E-10	4.18E-10	4.91E-11	1.52E-10	2.01E-10
4118	437402.3	3762255	5.82E-10	1.98E-09	2.57E-09	9.04E-11	3.24E-10	4.14E-10	4.87E-11	1.50E-10	1.99E-10
4119	437392.4	3762255	5.77E-10	1.97E-09	2.54E-09	8.97E-11	3.21E-10	4.11E-10	4.83E-11	1.49E-10	1.97E-10
4120	437450.8	3762228	5.48E-10	1.87E-09	2.42E-09	8.52E-11	3.05E-10	3.91E-10	4.59E-11	1.42E-10	1.88E-10
4121	437505.6	3762251	6.33E-10	2.16E-09	2.79E-09	9.84E-11	3.53E-10	4.51E-10	5.30E-11	1.64E-10	2.17E-10
4122	437514.7	3762255	6.49E-10	2.21E-09	2.86E-09	1.01E-10	3.62E-10	4.63E-10	5.43E-11	1.68E-10	2.22E-10
4123	437523.8	3762258	6.66E-10	2.27E-09	2.94E-09	1.03E-10	3.71E-10	4.74E-10	5.57E-11	1.72E-10	2.28E-10
4124	437768.6	3762374	1.19E-09	4.07E-09	5.27E-09	1.86E-10	6.65E-10	8.51E-10	1.00E-10	3.09E-10	4.09E-10
4125	437783.7	3762410	1.39E-09	4.75E-09	6.14E-09	2.16E-10	7.75E-10	9.92E-10	1.16E-10	3.60E-10	4.76E-10
4126	437798.9	3762447	1.62E-09	5.54E-09	7.16E-09	2.52E-10	9.05E-10	1.16E-09	1.36E-10	4.20E-10	5.56E-10
4127	437441.7	3762225	5.36E-10	1.83E-09	2.36E-09	8.33E-11	2.98E-10	3.82E-10	4.48E-11	1.38E-10	1.83E-10
4128	437431.8	3762225	5.31E-10	1.81E-09	2.34E-09	8.25E-11	2.96E-10	3.78E-10	4.45E-11	1.37E-10	1.82E-10
4129	437421.9	3762225	5.27E-10	1.80E-09	2.32E-09	8.18E-11	2.93E-10	3.75E-10	4.41E-11	1.36E-10	1.80E-10
4130	437412	3762225	5.22E-10	1.78E-09	2.30E-09	8.11E-11	2.91E-10	3.72E-10	4.37E-11	1.35E-10	1.79E-10
4131	437402.2	3762225	5.18E-10	1.77E-09	2.28E-09	8.05E-11	2.89E-10	3.69E-10	4.34E-11	1.34E-10	1.77E-10
4132	437392.3	3762225	5.14E-10	1.75E-09	2.27E-09	7.99E-11	2.86E-10	3.66E-10	4.30E-11	1.33E-10	1.76E-10
4133	437450.6	3762198	4.90E-10	1.67E-09	2.16E-09	7.62E-11	2.73E-10	3.49E-10	4.10E-11	1.27E-10	1.68E-10
4134	437504.4	3762220	5.61E-10	1.91E-09	2.47E-09	8.71E-11	3.12E-10	3.99E-10	4.69E-11	1.45E-10	1.92E-10
4135	437513.3	3762224	5.74E-10	1.96E-09	2.53E-09	8.92E-11	3.20E-10	4.09E-10	4.80E-11	1.48E-10	1.96E-10
4136	437522.3	3762228	5.87E-10	2.00E-09	2.59E-09	9.13E-11	3.27E-10	4.18E-10	4.92E-11	1.52E-10	2.01E-10
4137	437789.6	3762352	1.07E-09	3.64E-09	4.71E-09	1.66E-10	5.95E-10	7.60E-10	8.93E-11	2.76E-10	3.65E-10
4138	437804.5	3762388	1.23E-09	4.19E-09	5.41E-09	1.91E-10	6.84E-10	8.74E-10	1.03E-10	3.17E-10	4.20E-10
4139	437819.4	3762424	1.41E-09	4.82E-09	6.23E-09	2.20E-10	7.87E-10	1.01E-09	1.18E-10	3.65E-10	4.84E-10
4140	437441.6	3762195	4.80E-10	1.64E-09	2.12E-09	7.46E-11	2.67E-10	3.42E-10	4.02E-11	1.24E-10	1.64E-10
4141	437431.7	3762195	4.76E-10	1.62E-09	2.10E-09	7.40E-11	2.65E-10	3.39E-10	3.98E-11	1.23E-10	1.63E-10
4142	437421.8	3762195	4.72E-10	1.61E-09	2.08E-09	7.33E-11	2.63E-10	3.36E-10	3.95E-11	1.22E-10	1.61E-10
4143	437411.9	3762195	4.68E-10	1.60E-09	2.07E-09	7.28E-11	2.61E-10	3.34E-10	3.92E-11	1.21E-10	1.60E-10
4144	437402	3762195	4.65E-10	1.58E-09	2.05E-09	7.22E-11	2.59E-10	3.31E-10	3.89E-11	1.20E-10	1.59E-10

4145	437392.1	3762195	4.61E-10	1.57E-09	2.03E-09	7.17E-11	2.57E-10	3.29E-10	3.86E-11	1.19E-10	1.58E-10
4146	437450.5	3762168	4.42E-10	1.51E-09	1.95E-09	6.87E-11	2.46E-10	3.15E-10	3.70E-11	1.14E-10	1.51E-10
4147	437504.8	3762191	5.02E-10	1.71E-09	2.22E-09	7.81E-11	2.80E-10	3.58E-10	4.20E-11	1.30E-10	1.72E-10
4148	437513.9	3762194	5.14E-10	1.75E-09	2.27E-09	7.98E-11	2.86E-10	3.66E-10	4.30E-11	1.33E-10	1.76E-10
4149	437522.9	3762198	5.25E-10	1.79E-09	2.32E-09	8.16E-11	2.93E-10	3.74E-10	4.40E-11	1.36E-10	1.80E-10
4150	437810.9	3762331	9.62E-10	3.28E-09	4.24E-09	1.49E-10	5.36E-10	6.85E-10	8.05E-11	2.49E-10	3.29E-10
4151	437825.9	3762368	1.10E-09	3.74E-09	4.84E-09	1.71E-10	6.11E-10	7.82E-10	9.19E-11	2.84E-10	3.75E-10
4152	437840.9	3762404	1.25E-09	4.27E-09	5.53E-09	1.95E-10	6.98E-10	8.93E-10	1.05E-10	3.24E-10	4.29E-10
4153	437923.4	3762602	2.70E-09	9.21E-09	1.19E-08	4.20E-10	1.51E-09	1.93E-09	2.26E-10	6.98E-10	9.24E-10
4154	437441.5	3762165	4.33E-10	1.48E-09	1.91E-09	6.73E-11	2.41E-10	3.08E-10	3.62E-11	1.12E-10	1.48E-10
4155	437431.6	3762165	4.30E-10	1.46E-09	1.89E-09	6.67E-11	2.39E-10	3.06E-10	3.60E-11	1.11E-10	1.47E-10
4156	437421.7	3762165	4.26E-10	1.45E-09	1.88E-09	6.62E-11	2.37E-10	3.04E-10	3.57E-11	1.10E-10	1.46E-10
4157	437411.8	3762165	4.23E-10	1.44E-09	1.86E-09	6.57E-11	2.36E-10	3.01E-10	3.54E-11	1.09E-10	1.45E-10
4158	437401.9	3762165	4.20E-10	1.43E-09	1.85E-09	6.52E-11	2.34E-10	2.99E-10	3.51E-11	1.08E-10	1.44E-10
4159	437392	3762165	4.17E-10	1.42E-09	1.84E-09	6.47E-11	2.32E-10	2.97E-10	3.49E-11	1.08E-10	1.43E-10
4160	437450.5	3762138	4.01E-10	1.37E-09	1.77E-09	6.23E-11	2.23E-10	2.86E-10	3.35E-11	1.04E-10	1.37E-10
4161	437505.2	3762161	4.54E-10	1.55E-09	2.00E-09	7.05E-11	2.53E-10	3.23E-10	3.80E-11	1.17E-10	1.55E-10
4162	437514.4	3762165	4.63E-10	1.58E-09	2.04E-09	7.20E-11	2.58E-10	3.30E-10	3.88E-11	1.20E-10	1.58E-10
4163	437523.5	3762168	4.73E-10	1.61E-09	2.09E-09	7.36E-11	2.64E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
4164	437832.1	3762310	8.72E-10	2.97E-09	3.85E-09	1.36E-10	4.86E-10	6.21E-10	7.30E-11	2.25E-10	2.98E-10
4165	437847.3	3762347	9.88E-10	3.37E-09	4.36E-09	1.53E-10	5.50E-10	7.04E-10	8.27E-11	2.55E-10	3.38E-10
4166	437862.4	3762383	1.12E-09	3.82E-09	4.94E-09	1.74E-10	6.24E-10	7.98E-10	9.37E-11	2.89E-10	3.83E-10
4167	437441.4	3762135	3.93E-10	1.34E-09	1.73E-09	6.11E-11	2.19E-10	2.80E-10	3.29E-11	1.02E-10	1.34E-10
4168	437431.5	3762135	3.90E-10	1.33E-09	1.72E-09	6.06E-11	2.17E-10	2.78E-10	3.26E-11	1.01E-10	1.33E-10
4169	437421.6	3762135	3.87E-10	1.32E-09	1.71E-09	6.01E-11	2.16E-10	2.76E-10	3.24E-11	1.00E-10	1.32E-10
4170	437411.7	3762135	3.84E-10	1.31E-09	1.69E-09	5.97E-11	2.14E-10	2.74E-10	3.22E-11	9.93E-11	1.31E-10
4171	437401.8	3762135	3.81E-10	1.30E-09	1.68E-09	5.93E-11	2.12E-10	2.72E-10	3.19E-11	9.86E-11	1.30E-10
4172	437391.9	3762135	3.79E-10	1.29E-09	1.67E-09	5.89E-11	2.11E-10	2.70E-10	3.17E-11	9.79E-11	1.30E-10
4173	437450.3	3762108	3.66E-10	1.25E-09	1.61E-09	5.68E-11	2.04E-10	2.61E-10	3.06E-11	9.45E-11	1.25E-10
4174	437504.2	3762131	4.11E-10	1.40E-09	1.81E-09	6.38E-11	2.29E-10	2.93E-10	3.44E-11	1.06E-10	1.40E-10
4175	437513.2	3762134	4.19E-10	1.43E-09	1.85E-09	6.51E-11	2.33E-10	2.98E-10	3.51E-11	1.08E-10	1.43E-10
4176	437522.2	3762138	4.28E-10	1.46E-09	1.89E-09	6.64E-11	2.38E-10	3.05E-10	3.58E-11	1.10E-10	1.46E-10
4177	437853.2	3762289	7.94E-10	2.71E-09	3.50E-09	1.23E-10	4.42E-10	5.66E-10	6.65E-11	2.05E-10	2.72E-10
4178	437868.1	3762325	8.91E-10	3.04E-09	3.93E-09	1.38E-10	4.96E-10	6.35E-10	7.46E-11	2.30E-10	3.05E-10
4179	437883	3762361	1.00E-09	3.41E-09	4.41E-09	1.55E-10	5.57E-10	7.13E-10	8.37E-11	2.58E-10	3.42E-10
4180	437441.3	3762105	3.59E-10	1.22E-09	1.58E-09	5.58E-11	2.00E-10	2.56E-10	3.01E-11	9.28E-11	1.23E-10
4181	437431.4	3762105	3.56E-10	1.21E-09	1.57E-09	5.53E-11	1.98E-10	2.54E-10	2.98E-11	9.20E-11	1.22E-10
4182	437421.5	3762105	3.54E-10	1.21E-09	1.56E-09	5.49E-11	1.97E-10	2.52E-10	2.96E-11	9.14E-11	1.21E-10
4183	437411.6	3762105	3.51E-10	1.20E-09	1.55E-09	5.45E-11	1.96E-10	2.50E-10	2.94E-11	9.07E-11	1.20E-10
4184	437401.7	3762105	3.49E-10	1.19E-09	1.54E-09	5.42E-11	1.94E-10	2.48E-10	2.92E-11	9.01E-11	1.19E-10
4185	437391.8	3762105	3.46E-10	1.18E-09	1.53E-09	5.38E-11	1.93E-10	2.47E-10	2.90E-11	8.95E-11	1.18E-10
4186	437486.4	3762093	3.61E-10	1.23E-09	1.59E-09	5.61E-11	2.01E-10	2.57E-10	3.02E-11	9.33E-11	1.24E-10
4187	437495.5	3762097	3.68E-10	1.25E-09	1.62E-09	5.72E-11	2.05E-10	2.62E-10	3.08E-11	9.51E-11	1.26E-10
4188	437504.6	3762101	3.75E-10	1.28E-09	1.65E-09	5.83E-11	2.09E-10	2.67E-10	3.14E-11	9.69E-11	1.28E-10
4189	437513.6	3762104	3.82E-10	1.30E-09	1.69E-09	5.94E-11	2.13E-10	2.72E-10	3.20E-11	9.88E-11	1.31E-10
4190	437522.7	3762108	3.90E-10	1.33E-09	1.72E-09	6.06E-11	2.17E-10	2.78E-10	3.26E-11	1.01E-10	1.33E-10
4191	437889.4	3762304	8.12E-10	2.77E-09	3.58E-09	1.26E-10	4.52E-10	5.78E-10	6.79E-11	2.10E-10	2.78E-10
4192	437904.5	3762340	9.06E-10	3.09E-09	3.99E-09	1.41E-10	5.04E-10	6.45E-10	7.58E-11	2.34E-10	3.10E-10
4193	437921.5	3762285	7.40E-10	2.52E-09	3.26E-09	1.15E-10	4.12E-10	5.27E-10	6.19E-11	1.91E-10	2.53E-10
4194	437925.3	3762294	7.59E-10	2.59E-09	3.35E-09	1.18E-10	4.23E-10	5.41E-10	6.35E-11	1.96E-10	2.60E-10
4195	437936.6	3762321	8.19E-10	2.79E-09	3.61E-09	1.27E-10	4.56E-10	5.84E-10	6.86E-11	2.12E-10	2.80E-10
4196	437940.3	3762330	8.40E-10	2.86E-09	3.70E-09	1.31E-10	4.68E-10	5.99E-10	7.03E-11	2.17E-10	2.87E-10
4197	438002.6	3762384	9.22E-10	3.14E-09	4.06E-09	1.43E-10	5.13E-10	6.57E-10	7.72E-11	2.38E-10	3.15E-10
4198	438006.4	3762393	9.44E-10	3.22E-09	4.16E-09	1.47E-10	5.26E-10	6.73E-10	7.90E-11	2.44E-10	3.23E-10
4199	438010.2	3762402	9.67E-10	3.30E-09	4.26E-09	1.50E-10	5.39E-10	6.89E-10	8.09E-11	2.50E-10	3.31E-10
4200	438014	3762411	9.91E-10	3.38E-09	4.37E-09	1.54E-10	5.52E-10	7.06E-10	8.29E-11	2.56E-10	3.39E-10
4201	438017.7	3762420	1.02E-09	3.46E-09	4.48E-09	1.58E-10	5.66E-10	7.24E-10	8.50E-11	2.62E-10	3.47E-10
4202	438021.5	3762429	1.04E-09	3.55E-09	4.59E-09	1.62E-10	5.80E-10	7.42E-10	8.71E-11	2.69E-10	3.56E-10
4203	438025.3	3762438	1.07E-09	3.64E-09	4.71E-09	1.66E-10	5.95E-10	7.61E-10	8.94E-11	2.76E-10	3.65E-10
4204	438029.1	3762447	1.09E-09	3.73E-09	4.83E-09	1.70E-10	6.10E-10	7.80E-10	9.16E-11	2.83E-10	3.75E-10
4205	438032.8	3762457	1.12E-09	3.83E-09	4.95E-09	1.75E-10	6.26E-10	8.00E-10	9.40E-11	2.90E-10	3.84E-10

4206	438036.6	3762466	1.15E-09	3.93E-09	5.08E-09	1.79E-10	6.42E-10	8.21E-10	9.65E-11	2.98E-10	3.94E-10
4207	438040.4	3762475	1.18E-09	4.04E-09	5.22E-09	1.84E-10	6.59E-10	8.43E-10	9.91E-11	3.06E-10	4.05E-10
4208	438044.2	3762484	1.22E-09	4.14E-09	5.36E-09	1.89E-10	6.77E-10	8.66E-10	1.02E-10	3.14E-10	4.16E-10
4209	438047.9	3762493	1.25E-09	4.26E-09	5.50E-09	1.94E-10	6.95E-10	8.89E-10	1.04E-10	3.23E-10	4.27E-10
4210	438051.7	3762502	1.28E-09	4.37E-09	5.66E-09	1.99E-10	7.14E-10	9.14E-10	1.07E-10	3.31E-10	4.39E-10
4211	438055.5	3762511	1.32E-09	4.49E-09	5.81E-09	2.05E-10	7.34E-10	9.39E-10	1.10E-10	3.40E-10	4.51E-10
4212	438059.3	3762520	1.35E-09	4.62E-09	5.97E-09	2.10E-10	7.54E-10	9.65E-10	1.13E-10	3.50E-10	4.63E-10
4213	438063	3762529	1.39E-09	4.74E-09	6.14E-09	2.16E-10	7.75E-10	9.91E-10	1.16E-10	3.60E-10	4.76E-10
4214	438066.8	3762538	1.43E-09	4.88E-09	6.31E-09	2.22E-10	7.96E-10	1.02E-09	1.20E-10	3.69E-10	4.89E-10
4215	438070.6	3762547	1.47E-09	5.01E-09	6.48E-09	2.28E-10	8.18E-10	1.05E-09	1.23E-10	3.80E-10	5.03E-10
4216	438074.4	3762556	1.51E-09	5.15E-09	6.65E-09	2.34E-10	8.41E-10	1.08E-09	1.26E-10	3.90E-10	5.16E-10
4217	438078.2	3762566	1.55E-09	5.28E-09	6.83E-09	2.41E-10	8.63E-10	1.10E-09	1.30E-10	4.00E-10	5.30E-10
4218	438081.9	3762575	1.59E-09	5.43E-09	7.02E-09	2.47E-10	8.87E-10	1.13E-09	1.33E-10	4.11E-10	5.44E-10
4219	438085.7	3762584	1.63E-09	5.57E-09	7.21E-09	2.54E-10	9.11E-10	1.16E-09	1.37E-10	4.22E-10	5.59E-10
4220	438089.5	3762593	1.68E-09	5.72E-09	7.40E-09	2.61E-10	9.35E-10	1.20E-09	1.40E-10	4.34E-10	5.74E-10
4221	438093.3	3762602	1.72E-09	5.87E-09	7.59E-09	2.68E-10	9.59E-10	1.23E-09	1.44E-10	4.45E-10	5.89E-10
4222	438097	3762611	1.77E-09	6.03E-09	7.79E-09	2.75E-10	9.84E-10	1.26E-09	1.48E-10	4.57E-10	6.05E-10
4223	438100.8	3762620	1.81E-09	6.18E-09	7.99E-09	2.82E-10	1.01E-09	1.29E-09	1.52E-10	4.68E-10	6.20E-10
4224	438104.6	3762629	1.86E-09	6.33E-09	8.19E-09	2.89E-10	1.03E-09	1.32E-09	1.55E-10	4.80E-10	6.35E-10
4225	438108.4	3762638	1.90E-09	6.49E-09	8.39E-09	2.96E-10	1.06E-09	1.36E-09	1.59E-10	4.92E-10	6.51E-10
4226	438112.1	3762647	1.95E-09	6.64E-09	8.59E-09	3.03E-10	1.08E-09	1.39E-09	1.63E-10	5.03E-10	6.66E-10
4227	438115.9	3762656	1.99E-09	6.79E-09	8.78E-09	3.09E-10	1.11E-09	1.42E-09	1.67E-10	5.15E-10	6.81E-10
4228	438119.7	3762666	2.03E-09	6.94E-09	8.97E-09	3.16E-10	1.13E-09	1.45E-09	1.70E-10	5.26E-10	6.96E-10
4229	437981.9	3762237	6.11E-10	2.08E-09	2.69E-09	9.49E-11	3.40E-10	4.35E-10	5.11E-11	1.58E-10	2.09E-10
4230	437985.6	3762247	6.24E-10	2.13E-09	2.75E-09	9.70E-11	3.48E-10	4.45E-10	5.22E-11	1.61E-10	2.13E-10
4231	437997	3762274	6.67E-10	2.27E-09	2.94E-09	1.04E-10	3.71E-10	4.75E-10	5.58E-11	1.72E-10	2.28E-10
4232	438000.8	3762283	6.81E-10	2.32E-09	3.00E-09	1.06E-10	3.80E-10	4.85E-10	5.70E-11	1.76E-10	2.33E-10
4233	438004.6	3762292	6.96E-10	2.37E-09	3.07E-09	1.08E-10	3.88E-10	4.96E-10	5.83E-11	1.80E-10	2.38E-10
4234	438008.3	3762301	7.12E-10	2.43E-09	3.14E-09	1.11E-10	3.97E-10	5.07E-10	5.96E-11	1.84E-10	2.44E-10
4235	438012.1	3762310	7.28E-10	2.48E-09	3.21E-09	1.13E-10	4.05E-10	5.18E-10	6.09E-11	1.88E-10	2.49E-10
4236	438015.9	3762319	7.44E-10	2.54E-09	3.28E-09	1.16E-10	4.14E-10	5.30E-10	6.22E-11	1.92E-10	2.54E-10
4237	438019.7	3762329	7.60E-10	2.59E-09	3.35E-09	1.18E-10	4.23E-10	5.42E-10	6.36E-11	1.96E-10	2.60E-10
4238	438042.4	3762383	8.68E-10	2.96E-09	3.83E-09	1.35E-10	4.84E-10	6.18E-10	7.27E-11	2.24E-10	2.97E-10
4239	438046.2	3762392	8.88E-10	3.03E-09	3.92E-09	1.38E-10	4.95E-10	6.33E-10	7.43E-11	2.29E-10	3.04E-10
4240	438050	3762401	9.08E-10	3.10E-09	4.01E-09	1.41E-10	5.06E-10	6.47E-10	7.60E-11	2.35E-10	3.11E-10
4241	438053.7	3762410	9.30E-10	3.17E-09	4.10E-09	1.44E-10	5.18E-10	6.62E-10	7.78E-11	2.40E-10	3.18E-10
4242	438057.5	3762420	9.51E-10	3.24E-09	4.20E-09	1.48E-10	5.30E-10	6.78E-10	7.96E-11	2.46E-10	3.25E-10
4243	438061.3	3762429	9.74E-10	3.32E-09	4.30E-09	1.51E-10	5.43E-10	6.94E-10	8.15E-11	2.52E-10	3.33E-10
4244	438065.1	3762438	9.98E-10	3.40E-09	4.40E-09	1.55E-10	5.56E-10	7.11E-10	8.35E-11	2.58E-10	3.41E-10
4245	438068.9	3762447	1.02E-09	3.49E-09	4.51E-09	1.59E-10	5.69E-10	7.28E-10	8.56E-11	2.64E-10	3.50E-10
4246	438072.7	3762456	1.05E-09	3.57E-09	4.62E-09	1.63E-10	5.84E-10	7.46E-10	8.77E-11	2.71E-10	3.58E-10
4247	438076.4	3762465	1.07E-09	3.66E-09	4.74E-09	1.67E-10	5.98E-10	7.65E-10	8.99E-11	2.77E-10	3.67E-10
4248	438080.2	3762474	1.10E-09	3.75E-09	4.86E-09	1.71E-10	6.13E-10	7.84E-10	9.22E-11	2.84E-10	3.77E-10
4249	438084	3762483	1.13E-09	3.85E-09	4.98E-09	1.75E-10	6.29E-10	8.04E-10	9.45E-11	2.92E-10	3.86E-10
4250	438087.8	3762492	1.16E-09	3.95E-09	5.11E-09	1.80E-10	6.45E-10	8.25E-10	9.69E-11	2.99E-10	3.96E-10
4251	438091.6	3762502	1.19E-09	4.05E-09	5.24E-09	1.85E-10	6.62E-10	8.47E-10	9.95E-11	3.07E-10	4.07E-10
4252	438095.4	3762511	1.22E-09	4.16E-09	5.38E-09	1.89E-10	6.79E-10	8.69E-10	1.02E-10	3.15E-10	4.17E-10
4253	438099.1	3762520	1.25E-09	4.27E-09	5.52E-09	1.94E-10	6.97E-10	8.91E-10	1.05E-10	3.23E-10	4.28E-10
4254	438102.9	3762529	1.28E-09	4.38E-09	5.66E-09	1.99E-10	7.15E-10	9.14E-10	1.07E-10	3.32E-10	4.39E-10
4255	438106.7	3762538	1.32E-09	4.49E-09	5.81E-09	2.05E-10	7.33E-10	9.38E-10	1.10E-10	3.40E-10	4.50E-10
4256	438110.5	3762547	1.35E-09	4.61E-09	5.96E-09	2.10E-10	7.52E-10	9.62E-10	1.13E-10	3.49E-10	4.62E-10
4257	438114.3	3762556	1.39E-09	4.72E-09	6.11E-09	2.15E-10	7.72E-10	9.87E-10	1.16E-10	3.58E-10	4.74E-10
4258	438118.1	3762565	1.42E-09	4.85E-09	6.27E-09	2.21E-10	7.92E-10	1.01E-09	1.19E-10	3.67E-10	4.86E-10
4259	438121.8	3762574	1.46E-09	4.97E-09	6.43E-09	2.27E-10	8.12E-10	1.04E-09	1.22E-10	3.77E-10	4.99E-10
4260	438125.6	3762584	1.49E-09	5.10E-09	6.59E-09	2.32E-10	8.33E-10	1.06E-09	1.25E-10	3.86E-10	5.11E-10
4261	438129.4	3762593	1.53E-09	5.22E-09	6.76E-09	2.38E-10	8.53E-10	1.09E-09	1.28E-10	3.96E-10	5.24E-10
4262	438133.2	3762602	1.57E-09	5.35E-09	6.92E-09	2.44E-10	8.74E-10	1.12E-09	1.31E-10	4.06E-10	5.37E-10
4263	438137	3762611	1.61E-09	5.48E-09	7.09E-09	2.50E-10	8.95E-10	1.15E-09	1.35E-10	4.15E-10	5.50E-10
4264	438140.8	3762620	1.65E-09	5.61E-09	7.26E-09	2.56E-10	9.16E-10	1.17E-09	1.38E-10	4.25E-10	5.63E-10
4265	438144.5	3762629	1.68E-09	5.74E-09	7.42E-09	2.62E-10	9.38E-10	1.20E-09	1.41E-10	4.35E-10	5.76E-10
4266	438148.3	3762638	1.72E-09	5.87E-09	7.59E-09	2.67E-10	9.59E-10	1.23E-09	1.44E-10	4.45E-10	5.89E-10

4267	438152.1	3762647	1.76E-09	6.00E-09	7.75E-09	2.73E-10	9.80E-10	1.25E-09	1.47E-10	4.54E-10	6.02E-10
4268	438155.9	3762656	1.80E-09	6.12E-09	7.92E-09	2.79E-10	1.00E-09	1.28E-09	1.50E-10	4.64E-10	6.14E-10
4269	438159.7	3762666	1.83E-09	6.24E-09	8.08E-09	2.85E-10	1.02E-09	1.30E-09	1.53E-10	4.73E-10	6.26E-10
4270	437987.4	3762154	4.89E-10	1.67E-09	2.16E-09	7.59E-11	2.72E-10	3.48E-10	4.09E-11	1.26E-10	1.67E-10
4271	437991.2	3762164	4.99E-10	1.70E-09	2.20E-09	7.75E-11	2.78E-10	3.55E-10	4.18E-11	1.29E-10	1.71E-10
4272	437995	3762173	5.09E-10	1.74E-09	2.25E-09	7.91E-11	2.84E-10	3.63E-10	4.26E-11	1.32E-10	1.74E-10
4273	438006.4	3762200	5.42E-10	1.85E-09	2.39E-09	8.42E-11	3.02E-10	3.86E-10	4.54E-11	1.40E-10	1.85E-10
4274	438010.1	3762209	5.53E-10	1.89E-09	2.44E-09	8.60E-11	3.08E-10	3.94E-10	4.63E-11	1.43E-10	1.89E-10
4275	438013.9	3762218	5.65E-10	1.93E-09	2.49E-09	8.78E-11	3.15E-10	4.02E-10	4.73E-11	1.46E-10	1.93E-10
4276	438025.3	3762246	6.01E-10	2.05E-09	2.65E-09	9.33E-11	3.35E-10	4.28E-10	5.03E-11	1.55E-10	2.05E-10
4277	438029.1	3762255	6.13E-10	2.09E-09	2.70E-09	9.53E-11	3.42E-10	4.37E-10	5.13E-11	1.58E-10	2.10E-10
4278	438032.9	3762264	6.26E-10	2.13E-09	2.76E-09	9.72E-11	3.49E-10	4.46E-10	5.24E-11	1.62E-10	2.14E-10
4279	438036.7	3762273	6.39E-10	2.18E-09	2.82E-09	9.93E-11	3.56E-10	4.55E-10	5.35E-11	1.65E-10	2.19E-10
4280	438040.5	3762282	6.52E-10	2.22E-09	2.88E-09	1.01E-10	3.63E-10	4.64E-10	5.46E-11	1.68E-10	2.23E-10
4281	438044.3	3762291	6.65E-10	2.27E-09	2.93E-09	1.03E-10	3.71E-10	4.74E-10	5.57E-11	1.72E-10	2.28E-10
4282	438048	3762300	6.79E-10	2.32E-09	2.99E-09	1.06E-10	3.78E-10	4.84E-10	5.68E-11	1.75E-10	2.32E-10
4283	438051.8	3762310	6.93E-10	2.36E-09	3.06E-09	1.08E-10	3.86E-10	4.94E-10	5.80E-11	1.79E-10	2.37E-10
4284	438055.6	3762319	7.07E-10	2.41E-09	3.12E-09	1.10E-10	3.94E-10	5.04E-10	5.92E-11	1.83E-10	2.42E-10
4285	438059.4	3762328	7.22E-10	2.46E-09	3.18E-09	1.12E-10	4.02E-10	5.14E-10	6.04E-11	1.87E-10	2.47E-10
4286	438063.2	3762337	7.37E-10	2.51E-09	3.25E-09	1.15E-10	4.11E-10	5.25E-10	6.17E-11	1.90E-10	2.52E-10
4287	438067	3762346	7.52E-10	2.57E-09	3.32E-09	1.17E-10	4.19E-10	5.36E-10	6.30E-11	1.94E-10	2.57E-10
4288	438070.8	3762355	7.68E-10	2.62E-09	3.39E-09	1.19E-10	4.28E-10	5.47E-10	6.43E-11	1.98E-10	2.63E-10
4289	438074.6	3762364	7.84E-10	2.67E-09	3.46E-09	1.22E-10	4.37E-10	5.59E-10	6.57E-11	2.03E-10	2.68E-10
4290	438078.4	3762373	8.01E-10	2.73E-09	3.53E-09	1.24E-10	4.46E-10	5.71E-10	6.71E-11	2.07E-10	2.74E-10
4291	438082.2	3762383	8.18E-10	2.79E-09	3.61E-09	1.27E-10	4.56E-10	5.83E-10	6.85E-11	2.11E-10	2.80E-10
4292	438086	3762392	8.36E-10	2.85E-09	3.69E-09	1.30E-10	4.66E-10	5.96E-10	7.00E-11	2.16E-10	2.86E-10
4293	438089.7	3762401	8.55E-10	2.91E-09	3.77E-09	1.33E-10	4.76E-10	6.09E-10	7.15E-11	2.21E-10	2.92E-10
4294	438093.5	3762410	8.73E-10	2.98E-09	3.85E-09	1.36E-10	4.87E-10	6.22E-10	7.31E-11	2.26E-10	2.99E-10
4295	438097.3	3762419	8.93E-10	3.05E-09	3.94E-09	1.39E-10	4.97E-10	6.36E-10	7.48E-11	2.31E-10	3.06E-10
4296	438101.1	3762428	9.13E-10	3.11E-09	4.03E-09	1.42E-10	5.09E-10	6.51E-10	7.65E-11	2.36E-10	3.12E-10
4297	438104.9	3762437	9.35E-10	3.19E-09	4.12E-09	1.45E-10	5.21E-10	6.66E-10	7.82E-11	2.41E-10	3.20E-10
4298	438108.7	3762447	9.56E-10	3.26E-09	4.22E-09	1.49E-10	5.33E-10	6.81E-10	8.01E-11	2.47E-10	3.27E-10
4299	438112.5	3762456	9.79E-10	3.34E-09	4.32E-09	1.52E-10	5.45E-10	6.98E-10	8.20E-11	2.53E-10	3.35E-10
4300	438116.3	3762465	1.00E-09	3.42E-09	4.42E-09	1.56E-10	5.58E-10	7.14E-10	8.39E-11	2.59E-10	3.43E-10
4301	438120.1	3762474	1.03E-09	3.50E-09	4.53E-09	1.60E-10	5.72E-10	7.32E-10	8.59E-11	2.65E-10	3.51E-10
4302	438123.9	3762483	1.05E-09	3.59E-09	4.64E-09	1.63E-10	5.86E-10	7.49E-10	8.80E-11	2.72E-10	3.60E-10
4303	438127.6	3762492	1.08E-09	3.67E-09	4.75E-09	1.67E-10	6.00E-10	7.68E-10	9.02E-11	2.78E-10	3.69E-10
4304	438131.4	3762501	1.10E-09	3.76E-09	4.87E-09	1.72E-10	6.15E-10	7.87E-10	9.24E-11	2.85E-10	3.78E-10
4305	438135.2	3762510	1.13E-09	3.86E-09	4.99E-09	1.76E-10	6.30E-10	8.06E-10	9.47E-11	2.92E-10	3.87E-10
4306	438139	3762520	1.16E-09	3.95E-09	5.11E-09	1.80E-10	6.46E-10	8.26E-10	9.70E-11	3.00E-10	3.97E-10
4307	438142.8	3762529	1.19E-09	4.05E-09	5.24E-09	1.85E-10	6.62E-10	8.46E-10	9.94E-11	3.07E-10	4.06E-10
4308	438146.6	3762538	1.22E-09	4.15E-09	5.37E-09	1.89E-10	6.78E-10	8.67E-10	1.02E-10	3.14E-10	4.16E-10
4309	438150.4	3762547	1.25E-09	4.25E-09	5.50E-09	1.94E-10	6.95E-10	8.88E-10	1.04E-10	3.22E-10	4.27E-10
4310	438154.2	3762556	1.28E-09	4.36E-09	5.63E-09	1.98E-10	7.12E-10	9.10E-10	1.07E-10	3.30E-10	4.37E-10
4311	438158	3762565	1.31E-09	4.46E-09	5.77E-09	2.03E-10	7.29E-10	9.32E-10	1.10E-10	3.38E-10	4.48E-10
4312	438161.8	3762574	1.34E-09	4.57E-09	5.91E-09	2.08E-10	7.46E-10	9.55E-10	1.12E-10	3.46E-10	4.58E-10
4313	438165.6	3762583	1.37E-09	4.68E-09	6.05E-09	2.13E-10	7.64E-10	9.77E-10	1.15E-10	3.54E-10	4.69E-10
4314	438169.3	3762593	1.40E-09	4.79E-09	6.19E-09	2.18E-10	7.82E-10	1.00E-09	1.17E-10	3.63E-10	4.80E-10
4315	438173.1	3762602	1.44E-09	4.90E-09	6.33E-09	2.23E-10	8.00E-10	1.02E-09	1.20E-10	3.71E-10	4.91E-10
4316	438176.9	3762611	1.47E-09	5.01E-09	6.47E-09	2.28E-10	8.18E-10	1.05E-09	1.23E-10	3.79E-10	5.02E-10
4317	438180.7	3762620	1.50E-09	5.11E-09	6.61E-09	2.33E-10	8.36E-10	1.07E-09	1.26E-10	3.88E-10	5.13E-10
4318	438184.5	3762629	1.53E-09	5.22E-09	6.76E-09	2.38E-10	8.53E-10	1.09E-09	1.28E-10	3.96E-10	5.24E-10
4319	438188.3	3762638	1.56E-09	5.33E-09	6.89E-09	2.43E-10	8.71E-10	1.11E-09	1.31E-10	4.04E-10	5.35E-10
4320	438192.1	3762647	1.59E-09	5.44E-09	7.03E-09	2.48E-10	8.88E-10	1.14E-09	1.33E-10	4.12E-10	5.45E-10
4321	438195.9	3762656	1.63E-09	5.54E-09	7.17E-09	2.53E-10	9.06E-10	1.16E-09	1.36E-10	4.20E-10	5.56E-10
4322	438199.7	3762666	1.66E-09	5.65E-09	7.30E-09	2.57E-10	9.22E-10	1.18E-09	1.39E-10	4.28E-10	5.66E-10
4323	438015.5	3762126	4.49E-10	1.53E-09	1.98E-09	6.97E-11	2.50E-10	3.20E-10	3.76E-11	1.16E-10	1.54E-10
4324	438019.3	3762135	4.57E-10	1.56E-09	2.02E-09	7.11E-11	2.55E-10	3.26E-10	3.83E-11	1.18E-10	1.56E-10
4325	438023	3762144	4.66E-10	1.59E-09	2.06E-09	7.24E-11	2.60E-10	3.32E-10	3.90E-11	1.20E-10	1.59E-10
4326	438034.2	3762171	4.93E-10	1.68E-09	2.18E-09	7.66E-11	2.75E-10	3.51E-10	4.13E-11	1.27E-10	1.69E-10
4327	438037.9	3762180	5.03E-10	1.71E-09	2.22E-09	7.81E-11	2.80E-10	3.58E-10	4.21E-11	1.30E-10	1.72E-10

4328	438041.7	3762189	5.13E-10	1.75E-09	2.26E-09	7.96E-11	2.86E-10	3.65E-10	4.29E-11	1.32E-10	1.75E-10
4329	438052.9	3762216	5.43E-10	1.85E-09	2.39E-09	8.43E-11	3.02E-10	3.87E-10	4.54E-11	1.40E-10	1.86E-10
4330	438056.6	3762225	5.53E-10	1.89E-09	2.44E-09	8.60E-11	3.08E-10	3.94E-10	4.63E-11	1.43E-10	1.89E-10
4331	438060.4	3762234	5.64E-10	1.92E-09	2.49E-09	8.76E-11	3.14E-10	4.02E-10	4.72E-11	1.46E-10	1.93E-10
4332	438064.1	3762243	5.74E-10	1.96E-09	2.53E-09	8.93E-11	3.20E-10	4.09E-10	4.81E-11	1.48E-10	1.97E-10
4333	438067.8	3762252	5.86E-10	2.00E-09	2.58E-09	9.10E-11	3.26E-10	4.17E-10	4.90E-11	1.51E-10	2.00E-10
4334	438071.6	3762261	5.97E-10	2.03E-09	2.63E-09	9.27E-11	3.32E-10	4.25E-10	4.99E-11	1.54E-10	2.04E-10
4335	438075.3	3762270	6.08E-10	2.07E-09	2.68E-09	9.45E-11	3.39E-10	4.33E-10	5.09E-11	1.57E-10	2.08E-10
4336	438079	3762279	6.20E-10	2.11E-09	2.73E-09	9.63E-11	3.45E-10	4.41E-10	5.19E-11	1.60E-10	2.12E-10
4337	438082.8	3762288	6.31E-10	2.15E-09	2.78E-09	9.81E-11	3.52E-10	4.50E-10	5.28E-11	1.63E-10	2.16E-10
4338	438086.5	3762297	6.43E-10	2.19E-09	2.84E-09	9.99E-11	3.58E-10	4.58E-10	5.38E-11	1.66E-10	2.20E-10
4339	438090.3	3762306	6.55E-10	2.23E-09	2.89E-09	1.02E-10	3.65E-10	4.67E-10	5.49E-11	1.69E-10	2.24E-10
4340	438094	3762315	6.68E-10	2.28E-09	2.95E-09	1.04E-10	3.72E-10	4.76E-10	5.59E-11	1.73E-10	2.28E-10
4341	438097.7	3762324	6.81E-10	2.32E-09	3.00E-09	1.06E-10	3.79E-10	4.85E-10	5.70E-11	1.76E-10	2.33E-10
4342	438101.5	3762333	6.94E-10	2.37E-09	3.06E-09	1.08E-10	3.86E-10	4.94E-10	5.81E-11	1.79E-10	2.37E-10
4343	438105.2	3762342	7.07E-10	2.41E-09	3.12E-09	1.10E-10	3.94E-10	5.04E-10	5.92E-11	1.83E-10	2.42E-10
4344	438108.9	3762351	7.21E-10	2.46E-09	3.18E-09	1.12E-10	4.02E-10	5.14E-10	6.03E-11	1.86E-10	2.47E-10
4345	438112.7	3762360	7.35E-10	2.51E-09	3.24E-09	1.14E-10	4.10E-10	5.24E-10	6.15E-11	1.90E-10	2.51E-10
4346	438116.4	3762369	7.50E-10	2.56E-09	3.31E-09	1.16E-10	4.18E-10	5.34E-10	6.28E-11	1.94E-10	2.56E-10
4347	438120.1	3762378	7.65E-10	2.61E-09	3.37E-09	1.19E-10	4.26E-10	5.45E-10	6.40E-11	1.98E-10	2.62E-10
4348	438123.9	3762387	7.80E-10	2.66E-09	3.44E-09	1.21E-10	4.35E-10	5.56E-10	6.53E-11	2.02E-10	2.67E-10
4349	438127.6	3762396	7.96E-10	2.72E-09	3.51E-09	1.24E-10	4.44E-10	5.67E-10	6.67E-11	2.06E-10	2.72E-10
4350	438131.4	3762405	8.13E-10	2.77E-09	3.58E-09	1.26E-10	4.53E-10	5.79E-10	6.80E-11	2.10E-10	2.78E-10
4351	438135.1	3762414	8.30E-10	2.83E-09	3.66E-09	1.29E-10	4.62E-10	5.91E-10	6.95E-11	2.14E-10	2.84E-10
4352	438138.8	3762423	8.48E-10	2.89E-09	3.74E-09	1.32E-10	4.72E-10	6.04E-10	7.10E-11	2.19E-10	2.90E-10
4353	438142.6	3762432	8.66E-10	2.95E-09	3.82E-09	1.35E-10	4.82E-10	6.17E-10	7.25E-11	2.24E-10	2.96E-10
4354	438146.3	3762441	8.85E-10	3.02E-09	3.90E-09	1.38E-10	4.93E-10	6.30E-10	7.41E-11	2.29E-10	3.03E-10
4355	438150	3762450	9.05E-10	3.08E-09	3.99E-09	1.41E-10	5.04E-10	6.44E-10	7.57E-11	2.34E-10	3.09E-10
4356	438153.8	3762459	9.25E-10	3.15E-09	4.08E-09	1.44E-10	5.15E-10	6.59E-10	7.74E-11	2.39E-10	3.16E-10
4357	438157.5	3762468	9.46E-10	3.23E-09	4.17E-09	1.47E-10	5.27E-10	6.74E-10	7.92E-11	2.44E-10	3.24E-10
4358	438161.3	3762477	9.68E-10	3.30E-09	4.27E-09	1.50E-10	5.39E-10	6.89E-10	8.10E-11	2.50E-10	3.31E-10
4359	438165	3762486	9.90E-10	3.37E-09	4.36E-09	1.54E-10	5.51E-10	7.05E-10	8.28E-11	2.56E-10	3.39E-10
4360	438168.7	3762495	1.01E-09	3.45E-09	4.46E-09	1.57E-10	5.64E-10	7.21E-10	8.47E-11	2.62E-10	3.46E-10
4361	438172.5	3762504	1.04E-09	3.53E-09	4.57E-09	1.61E-10	5.77E-10	7.38E-10	8.67E-11	2.68E-10	3.54E-10
4362	438176.2	3762513	1.06E-09	3.61E-09	4.67E-09	1.65E-10	5.90E-10	7.55E-10	8.87E-11	2.74E-10	3.63E-10
4363	438183.7	3762531	1.11E-09	3.78E-09	4.89E-09	1.72E-10	6.18E-10	7.90E-10	9.28E-11	2.87E-10	3.79E-10
4364	438187.4	3762540	1.13E-09	3.87E-09	5.00E-09	1.76E-10	6.32E-10	8.08E-10	9.50E-11	2.93E-10	3.88E-10
4365	438191.1	3762549	1.16E-09	3.96E-09	5.12E-09	1.80E-10	6.47E-10	8.27E-10	9.71E-11	3.00E-10	3.97E-10
4366	438194.9	3762558	1.19E-09	4.05E-09	5.23E-09	1.84E-10	6.61E-10	8.46E-10	9.93E-11	3.07E-10	4.06E-10
4367	438198.6	3762567	1.21E-09	4.14E-09	5.35E-09	1.89E-10	6.76E-10	8.64E-10	1.02E-10	3.13E-10	4.15E-10
4368	438202.4	3762576	1.24E-09	4.23E-09	5.47E-09	1.93E-10	6.91E-10	8.83E-10	1.04E-10	3.20E-10	4.24E-10
4369	438206.1	3762585	1.27E-09	4.32E-09	5.59E-09	1.97E-10	7.06E-10	9.03E-10	1.06E-10	3.27E-10	4.33E-10
4370	438221	3762621	1.37E-09	4.69E-09	6.06E-09	2.14E-10	7.66E-10	9.79E-10	1.15E-10	3.55E-10	4.70E-10
4371	438224.8	3762630	1.40E-09	4.78E-09	6.18E-09	2.18E-10	7.80E-10	9.98E-10	1.17E-10	3.62E-10	4.79E-10
4372	438228.5	3762639	1.43E-09	4.87E-09	6.30E-09	2.22E-10	7.95E-10	1.02E-09	1.19E-10	3.69E-10	4.88E-10
4373	438232.2	3762648	1.45E-09	4.96E-09	6.41E-09	2.26E-10	8.10E-10	1.04E-09	1.22E-10	3.76E-10	4.97E-10
4374	438236	3762657	1.48E-09	5.04E-09	6.52E-09	2.30E-10	8.24E-10	1.05E-09	1.24E-10	3.82E-10	5.06E-10
4375	438239.7	3762666	1.50E-09	5.13E-09	6.63E-09	2.34E-10	8.38E-10	1.07E-09	1.26E-10	3.89E-10	5.15E-10
4376	438047.5	3762107	4.22E-10	1.44E-09	1.86E-09	6.56E-11	2.35E-10	3.01E-10	3.53E-11	1.09E-10	1.44E-10
4377	438051.3	3762116	4.30E-10	1.46E-09	1.89E-09	6.67E-11	2.39E-10	3.06E-10	3.60E-11	1.11E-10	1.47E-10
4378	438062.5	3762143	4.53E-10	1.54E-09	2.00E-09	7.04E-11	2.52E-10	3.23E-10	3.79E-11	1.17E-10	1.55E-10
4379	438066.2	3762152	4.61E-10	1.57E-09	2.03E-09	7.17E-11	2.57E-10	3.29E-10	3.86E-11	1.19E-10	1.58E-10
4380	438070	3762161	4.70E-10	1.60E-09	2.07E-09	7.30E-11	2.62E-10	3.35E-10	3.93E-11	1.21E-10	1.61E-10
4381	438081.2	3762188	4.96E-10	1.69E-09	2.19E-09	7.70E-11	2.76E-10	3.53E-10	4.15E-11	1.28E-10	1.70E-10
4382	438085	3762197	5.05E-10	1.72E-09	2.23E-09	7.84E-11	2.81E-10	3.60E-10	4.22E-11	1.30E-10	1.73E-10
4383	438088.7	3762206	5.14E-10	1.75E-09	2.27E-09	7.98E-11	2.86E-10	3.66E-10	4.30E-11	1.33E-10	1.76E-10
4384	438092.5	3762215	5.23E-10	1.78E-09	2.31E-09	8.13E-11	2.91E-10	3.73E-10	4.38E-11	1.35E-10	1.79E-10
4385	438096.2	3762224	5.32E-10	1.82E-09	2.35E-09	8.27E-11	2.97E-10	3.79E-10	4.46E-11	1.38E-10	1.82E-10
4386	438099.9	3762233	5.42E-10	1.85E-09	2.39E-09	8.42E-11	3.02E-10	3.86E-10	4.54E-11	1.40E-10	1.85E-10
4387	438103.7	3762242	5.52E-10	1.88E-09	2.43E-09	8.57E-11	3.07E-10	3.93E-10	4.62E-11	1.43E-10	1.89E-10
4388	438107.4	3762251	5.61E-10	1.91E-09	2.48E-09	8.72E-11	3.13E-10	4.00E-10	4.70E-11	1.45E-10	1.92E-10

4389	438111.2	3762260	5.71E-10	1.95E-09	2.52E-09	8.88E-11	3.18E-10	4.07E-10	4.78E-11	1.48E-10	1.95E-10
4390	438114.9	3762269	5.81E-10	1.98E-09	2.56E-09	9.03E-11	3.24E-10	4.14E-10	4.87E-11	1.50E-10	1.99E-10
4391	438118.7	3762278	5.92E-10	2.02E-09	2.61E-09	9.19E-11	3.30E-10	4.21E-10	4.95E-11	1.53E-10	2.02E-10
4392	438122.4	3762287	6.02E-10	2.05E-09	2.66E-09	9.36E-11	3.35E-10	4.29E-10	5.04E-11	1.56E-10	2.06E-10
4393	438126.2	3762296	6.13E-10	2.09E-09	2.70E-09	9.52E-11	3.41E-10	4.37E-10	5.13E-11	1.58E-10	2.10E-10
4394	438129.9	3762305	6.24E-10	2.13E-09	2.75E-09	9.69E-11	3.47E-10	4.44E-10	5.22E-11	1.61E-10	2.13E-10
4395	438133.7	3762314	6.35E-10	2.16E-09	2.80E-09	9.86E-11	3.54E-10	4.52E-10	5.31E-11	1.64E-10	2.17E-10
4396	438137.4	3762323	6.46E-10	2.20E-09	2.85E-09	1.00E-10	3.60E-10	4.60E-10	5.41E-11	1.67E-10	2.21E-10
4397	438141.1	3762332	6.58E-10	2.24E-09	2.90E-09	1.02E-10	3.67E-10	4.69E-10	5.51E-11	1.70E-10	2.25E-10
4398	438144.9	3762341	6.70E-10	2.29E-09	2.96E-09	1.04E-10	3.73E-10	4.77E-10	5.61E-11	1.73E-10	2.29E-10
4399	438148.6	3762350	6.83E-10	2.33E-09	3.01E-09	1.06E-10	3.80E-10	4.86E-10	5.71E-11	1.76E-10	2.34E-10
4400	438152.4	3762359	6.96E-10	2.37E-09	3.07E-09	1.08E-10	3.88E-10	4.96E-10	5.82E-11	1.80E-10	2.38E-10
4401	438156.1	3762368	7.09E-10	2.42E-09	3.13E-09	1.10E-10	3.95E-10	5.05E-10	5.93E-11	1.83E-10	2.43E-10
4402	438159.9	3762377	7.23E-10	2.46E-09	3.19E-09	1.12E-10	4.03E-10	5.15E-10	6.05E-11	1.87E-10	2.47E-10
4403	438163.6	3762386	7.37E-10	2.51E-09	3.25E-09	1.14E-10	4.10E-10	5.25E-10	6.17E-11	1.90E-10	2.52E-10
4404	438167.4	3762395	7.51E-10	2.56E-09	3.31E-09	1.17E-10	4.19E-10	5.35E-10	6.29E-11	1.94E-10	2.57E-10
4405	438171.1	3762404	7.66E-10	2.61E-09	3.38E-09	1.19E-10	4.27E-10	5.46E-10	6.41E-11	1.98E-10	2.62E-10
4406	438174.8	3762413	7.82E-10	2.67E-09	3.45E-09	1.21E-10	4.36E-10	5.57E-10	6.54E-11	2.02E-10	2.67E-10
4407	438178.6	3762422	7.98E-10	2.72E-09	3.52E-09	1.24E-10	4.45E-10	5.69E-10	6.68E-11	2.06E-10	2.73E-10
4408	438182.3	3762431	8.15E-10	2.78E-09	3.59E-09	1.27E-10	4.54E-10	5.80E-10	6.82E-11	2.10E-10	2.79E-10
4409	438186.1	3762440	8.32E-10	2.84E-09	3.67E-09	1.29E-10	4.63E-10	5.93E-10	6.96E-11	2.15E-10	2.85E-10
4410	438189.8	3762449	8.50E-10	2.90E-09	3.75E-09	1.32E-10	4.73E-10	6.05E-10	7.11E-11	2.20E-10	2.91E-10
4411	438193.6	3762458	8.68E-10	2.96E-09	3.83E-09	1.35E-10	4.83E-10	6.18E-10	7.26E-11	2.24E-10	2.97E-10
4412	438197.3	3762467	8.87E-10	3.02E-09	3.91E-09	1.38E-10	4.94E-10	6.32E-10	7.42E-11	2.29E-10	3.03E-10
4413	438201.1	3762476	9.06E-10	3.09E-09	4.00E-09	1.41E-10	5.05E-10	6.45E-10	7.58E-11	2.34E-10	3.10E-10
4414	438204.8	3762485	9.26E-10	3.16E-09	4.08E-09	1.44E-10	5.16E-10	6.60E-10	7.75E-11	2.39E-10	3.17E-10
4415	438208.6	3762494	9.46E-10	3.23E-09	4.17E-09	1.47E-10	5.27E-10	6.74E-10	7.92E-11	2.44E-10	3.24E-10
4416	438223.5	3762530	1.03E-09	3.52E-09	4.55E-09	1.60E-10	5.75E-10	7.35E-10	8.64E-11	2.67E-10	3.53E-10
4417	438227.3	3762539	1.05E-09	3.59E-09	4.65E-09	1.64E-10	5.87E-10	7.51E-10	8.82E-11	2.72E-10	3.61E-10
4418	438231	3762548	1.08E-09	3.67E-09	4.75E-09	1.67E-10	6.00E-10	7.67E-10	9.01E-11	2.78E-10	3.68E-10
4419	438234.8	3762557	1.10E-09	3.75E-09	4.85E-09	1.71E-10	6.13E-10	7.83E-10	9.20E-11	2.84E-10	3.76E-10
4420	438238.5	3762566	1.12E-09	3.83E-09	4.95E-09	1.74E-10	6.25E-10	8.00E-10	9.40E-11	2.90E-10	3.84E-10
4421	438242.3	3762575	1.15E-09	3.91E-09	5.05E-09	1.78E-10	6.38E-10	8.16E-10	9.59E-11	2.96E-10	3.92E-10
4422	438246	3762584	1.17E-09	3.99E-09	5.16E-09	1.82E-10	6.51E-10	8.33E-10	9.78E-11	3.02E-10	4.00E-10
4423	437476.3	3761810	1.89E-10	6.44E-10	8.33E-10	2.94E-11	1.05E-10	1.35E-10	1.58E-11	4.88E-11	6.46E-11
4424	437485.3	3761813	1.91E-10	6.53E-10	8.44E-10	2.97E-11	1.07E-10	1.36E-10	1.60E-11	4.95E-11	6.55E-11
4425	437494.4	3761817	1.94E-10	6.61E-10	8.55E-10	3.01E-11	1.08E-10	1.38E-10	1.62E-11	5.01E-11	6.63E-11
4426	437503.4	3761821	1.96E-10	6.70E-10	8.66E-10	3.05E-11	1.09E-10	1.40E-10	1.64E-11	5.07E-11	6.72E-11
4427	437512.5	3761824	1.99E-10	6.78E-10	8.77E-10	3.09E-11	1.11E-10	1.42E-10	1.66E-11	5.14E-11	6.80E-11
4428	437521.5	3761828	2.02E-10	6.87E-10	8.89E-10	3.13E-11	1.12E-10	1.44E-10	1.69E-11	5.21E-11	6.89E-11
4429	438090.8	3762114	4.18E-10	1.43E-09	1.84E-09	6.50E-11	2.33E-10	2.98E-10	3.50E-11	1.08E-10	1.43E-10
4430	438094.5	3762123	4.25E-10	1.45E-09	1.87E-09	6.61E-11	2.37E-10	3.03E-10	3.56E-11	1.10E-10	1.45E-10
4431	438098.3	3762133	4.32E-10	1.47E-09	1.91E-09	6.72E-11	2.41E-10	3.08E-10	3.62E-11	1.12E-10	1.48E-10
4432	438109.5	3762160	4.55E-10	1.55E-09	2.01E-09	7.07E-11	2.54E-10	3.24E-10	3.81E-11	1.18E-10	1.56E-10
4433	438113.3	3762169	4.63E-10	1.58E-09	2.04E-09	7.19E-11	2.58E-10	3.30E-10	3.87E-11	1.20E-10	1.58E-10
4434	438117.1	3762178	4.71E-10	1.60E-09	2.08E-09	7.31E-11	2.62E-10	3.35E-10	3.94E-11	1.22E-10	1.61E-10
4435	438120.8	3762187	4.79E-10	1.63E-09	2.11E-09	7.44E-11	2.67E-10	3.41E-10	4.01E-11	1.24E-10	1.64E-10
4436	438124.6	3762196	4.87E-10	1.66E-09	2.15E-09	7.56E-11	2.71E-10	3.47E-10	4.07E-11	1.26E-10	1.66E-10
4437	438128.3	3762205	4.95E-10	1.69E-09	2.18E-09	7.69E-11	2.76E-10	3.53E-10	4.14E-11	1.28E-10	1.69E-10
4438	438132.1	3762214	5.03E-10	1.72E-09	2.22E-09	7.82E-11	2.80E-10	3.59E-10	4.21E-11	1.30E-10	1.72E-10
4439	438135.8	3762223	5.12E-10	1.74E-09	2.26E-09	7.95E-11	2.85E-10	3.65E-10	4.28E-11	1.32E-10	1.75E-10
4440	438139.6	3762232	5.20E-10	1.77E-09	2.29E-09	8.08E-11	2.90E-10	3.71E-10	4.35E-11	1.34E-10	1.78E-10
4441	438143.3	3762241	5.29E-10	1.80E-09	2.33E-09	8.22E-11	2.95E-10	3.77E-10	4.43E-11	1.37E-10	1.81E-10
4442	438147.1	3762250	5.38E-10	1.83E-09	2.37E-09	8.35E-11	2.99E-10	3.83E-10	4.50E-11	1.39E-10	1.84E-10
4443	438150.8	3762259	5.46E-10	1.86E-09	2.41E-09	8.49E-11	3.04E-10	3.89E-10	4.57E-11	1.41E-10	1.87E-10
4444	438154.6	3762268	5.55E-10	1.89E-09	2.45E-09	8.63E-11	3.09E-10	3.96E-10	4.65E-11	1.44E-10	1.90E-10
4445	438158.3	3762277	5.65E-10	1.93E-09	2.49E-09	8.77E-11	3.15E-10	4.02E-10	4.73E-11	1.46E-10	1.93E-10
4446	438162.1	3762286	5.74E-10	1.96E-09	2.53E-09	8.92E-11	3.20E-10	4.09E-10	4.81E-11	1.48E-10	1.96E-10
4447	438165.8	3762295	5.84E-10	1.99E-09	2.57E-09	9.07E-11	3.25E-10	4.16E-10	4.89E-11	1.51E-10	2.00E-10
4448	438169.6	3762304	5.94E-10	2.02E-09	2.62E-09	9.22E-11	3.31E-10	4.23E-10	4.97E-11	1.53E-10	2.03E-10
4449	438173.3	3762313	6.04E-10	2.06E-09	2.66E-09	9.38E-11	3.36E-10	4.30E-10	5.05E-11	1.56E-10	2.07E-10

4450	438177.1	3762322	6.14E-10	2.09E-09	2.71E-09	9.55E-11	3.42E-10	4.38E-10	5.14E-11	1.59E-10	2.10E-10
4451	438180.8	3762331	6.25E-10	2.13E-09	2.76E-09	9.71E-11	3.48E-10	4.45E-10	5.23E-11	1.61E-10	2.14E-10
4452	438184.6	3762340	6.36E-10	2.17E-09	2.80E-09	9.88E-11	3.54E-10	4.53E-10	5.32E-11	1.64E-10	2.18E-10
4453	438188.4	3762349	6.47E-10	2.21E-09	2.86E-09	1.01E-10	3.61E-10	4.61E-10	5.42E-11	1.67E-10	2.21E-10
4454	438192.1	3762358	6.59E-10	2.25E-09	2.91E-09	1.02E-10	3.67E-10	4.70E-10	5.52E-11	1.70E-10	2.26E-10
4455	438195.9	3762367	6.71E-10	2.29E-09	2.96E-09	1.04E-10	3.74E-10	4.78E-10	5.62E-11	1.73E-10	2.30E-10
4456	438199.6	3762376	6.84E-10	2.33E-09	3.02E-09	1.06E-10	3.81E-10	4.87E-10	5.72E-11	1.77E-10	2.34E-10
4457	438203.4	3762386	6.97E-10	2.38E-09	3.07E-09	1.08E-10	3.88E-10	4.96E-10	5.83E-11	1.80E-10	2.38E-10
4458	438207.1	3762395	7.10E-10	2.42E-09	3.13E-09	1.10E-10	3.96E-10	5.06E-10	5.94E-11	1.83E-10	2.43E-10
4459	438210.9	3762404	7.24E-10	2.47E-09	3.19E-09	1.12E-10	4.03E-10	5.16E-10	6.06E-11	1.87E-10	2.48E-10
4460	438214.6	3762413	7.38E-10	2.52E-09	3.25E-09	1.15E-10	4.11E-10	5.26E-10	6.18E-11	1.91E-10	2.52E-10
4461	438218.4	3762422	7.53E-10	2.57E-09	3.32E-09	1.17E-10	4.19E-10	5.36E-10	6.30E-11	1.94E-10	2.57E-10
4462	438222.1	3762431	7.68E-10	2.62E-09	3.39E-09	1.19E-10	4.28E-10	5.47E-10	6.43E-11	1.98E-10	2.63E-10
4463	438225.9	3762440	7.83E-10	2.67E-09	3.45E-09	1.22E-10	4.36E-10	5.58E-10	6.56E-11	2.02E-10	2.68E-10
4464	438229.6	3762449	7.99E-10	2.73E-09	3.52E-09	1.24E-10	4.45E-10	5.69E-10	6.69E-11	2.07E-10	2.73E-10
4465	438233.4	3762458	8.16E-10	2.78E-09	3.60E-09	1.27E-10	4.54E-10	5.81E-10	6.83E-11	2.11E-10	2.79E-10
4466	438237.1	3762467	8.33E-10	2.84E-09	3.67E-09	1.29E-10	4.64E-10	5.93E-10	6.97E-11	2.15E-10	2.85E-10
4467	438240.9	3762476	8.50E-10	2.90E-09	3.75E-09	1.32E-10	4.74E-10	6.06E-10	7.12E-11	2.20E-10	2.91E-10
4468	438244.6	3762485	8.68E-10	2.96E-09	3.83E-09	1.35E-10	4.83E-10	6.18E-10	7.26E-11	2.24E-10	2.97E-10
4469	438248.4	3762494	8.86E-10	3.02E-09	3.91E-09	1.38E-10	4.94E-10	6.31E-10	7.42E-11	2.29E-10	3.03E-10
4470	438300.9	3762620	1.16E-09	3.97E-09	5.13E-09	1.81E-10	6.48E-10	8.29E-10	9.73E-11	3.01E-10	3.98E-10
4471	438304.7	3762629	1.18E-09	4.03E-09	5.22E-09	1.84E-10	6.59E-10	8.43E-10	9.90E-11	3.06E-10	4.05E-10
4472	438308.4	3762639	1.20E-09	4.10E-09	5.30E-09	1.87E-10	6.70E-10	8.57E-10	1.01E-10	3.11E-10	4.11E-10
4473	438312.2	3762648	1.22E-09	4.17E-09	5.39E-09	1.90E-10	6.81E-10	8.70E-10	1.02E-10	3.16E-10	4.18E-10
4474	438315.9	3762657	1.24E-09	4.23E-09	5.47E-09	1.93E-10	6.91E-10	8.84E-10	1.04E-10	3.21E-10	4.24E-10
4475	438319.7	3762666	1.26E-09	4.29E-09	5.55E-09	1.96E-10	7.01E-10	8.97E-10	1.05E-10	3.25E-10	4.31E-10
4476	437476.2	3761770	1.76E-10	6.02E-10	7.78E-10	2.74E-11	9.83E-11	1.26E-10	1.48E-11	4.56E-11	6.04E-11
4477	437485.3	3761773	1.79E-10	6.09E-10	7.88E-10	2.78E-11	9.95E-11	1.27E-10	1.50E-11	4.62E-11	6.11E-11
4478	437494.3	3761777	1.81E-10	6.17E-10	7.98E-10	2.81E-11	1.01E-10	1.29E-10	1.51E-11	4.67E-11	6.19E-11
4479	437503.4	3761781	1.83E-10	6.25E-10	8.08E-10	2.85E-11	1.02E-10	1.30E-10	1.53E-11	4.73E-11	6.27E-11
4480	437512.5	3761784	1.85E-10	6.32E-10	8.18E-10	2.88E-11	1.03E-10	1.32E-10	1.55E-11	4.79E-11	6.34E-11
4481	437521.5	3761788	1.88E-10	6.40E-10	8.28E-10	2.92E-11	1.05E-10	1.34E-10	1.57E-11	4.85E-11	6.42E-11
4482	438126.6	3762104	4.01E-10	1.37E-09	1.77E-09	6.22E-11	2.23E-10	2.85E-10	3.35E-11	1.03E-10	1.37E-10
4483	438137.9	3762131	4.20E-10	1.43E-09	1.85E-09	6.53E-11	2.34E-10	2.99E-10	3.52E-11	1.09E-10	1.44E-10
4484	438141.6	3762141	4.27E-10	1.46E-09	1.88E-09	6.63E-11	2.38E-10	3.04E-10	3.57E-11	1.10E-10	1.46E-10
4485	438145.4	3762150	4.34E-10	1.48E-09	1.91E-09	6.74E-11	2.42E-10	3.09E-10	3.63E-11	1.12E-10	1.48E-10
4486	438149.1	3762159	4.41E-10	1.50E-09	1.94E-09	6.84E-11	2.45E-10	3.14E-10	3.69E-11	1.14E-10	1.51E-10
4487	438152.9	3762168	4.47E-10	1.53E-09	1.97E-09	6.95E-11	2.49E-10	3.19E-10	3.75E-11	1.16E-10	1.53E-10
4488	438156.7	3762177	4.54E-10	1.55E-09	2.00E-09	7.06E-11	2.53E-10	3.24E-10	3.80E-11	1.17E-10	1.55E-10
4489	438160.4	3762186	4.62E-10	1.57E-09	2.04E-09	7.17E-11	2.57E-10	3.29E-10	3.86E-11	1.19E-10	1.58E-10
4490	438164.2	3762195	4.69E-10	1.60E-09	2.07E-09	7.29E-11	2.61E-10	3.34E-10	3.92E-11	1.21E-10	1.60E-10
4491	438167.9	3762204	4.76E-10	1.62E-09	2.10E-09	7.40E-11	2.65E-10	3.39E-10	3.99E-11	1.23E-10	1.63E-10
4492	438171.7	3762213	4.84E-10	1.65E-09	2.13E-09	7.52E-11	2.69E-10	3.45E-10	4.05E-11	1.25E-10	1.65E-10
4493	438175.5	3762222	4.91E-10	1.68E-09	2.17E-09	7.63E-11	2.74E-10	3.50E-10	4.11E-11	1.27E-10	1.68E-10
4494	438179.2	3762231	4.99E-10	1.70E-09	2.20E-09	7.75E-11	2.78E-10	3.55E-10	4.18E-11	1.29E-10	1.71E-10
4495	438183	3762240	5.07E-10	1.73E-09	2.23E-09	7.87E-11	2.82E-10	3.61E-10	4.24E-11	1.31E-10	1.73E-10
4496	438186.7	3762249	5.15E-10	1.76E-09	2.27E-09	8.00E-11	2.87E-10	3.67E-10	4.31E-11	1.33E-10	1.76E-10
4497	438190.5	3762258	5.23E-10	1.78E-09	2.31E-09	8.12E-11	2.91E-10	3.72E-10	4.38E-11	1.35E-10	1.79E-10
4498	438194.3	3762267	5.31E-10	1.81E-09	2.34E-09	8.25E-11	2.96E-10	3.78E-10	4.45E-11	1.37E-10	1.82E-10
4499	438198	3762276	5.39E-10	1.84E-09	2.38E-09	8.38E-11	3.01E-10	3.84E-10	4.52E-11	1.39E-10	1.85E-10
4500	438201.8	3762285	5.48E-10	1.87E-09	2.42E-09	8.52E-11	3.05E-10	3.90E-10	4.59E-11	1.42E-10	1.87E-10
4501	438205.5	3762294	5.57E-10	1.90E-09	2.46E-09	8.65E-11	3.10E-10	3.97E-10	4.66E-11	1.44E-10	1.90E-10
4502	438209.3	3762303	5.66E-10	1.93E-09	2.50E-09	8.79E-11	3.15E-10	4.03E-10	4.74E-11	1.46E-10	1.94E-10
4503	438213.1	3762313	5.75E-10	1.96E-09	2.54E-09	8.94E-11	3.20E-10	4.10E-10	4.81E-11	1.49E-10	1.97E-10
4504	438216.8	3762322	5.85E-10	1.99E-09	2.58E-09	9.09E-11	3.26E-10	4.17E-10	4.89E-11	1.51E-10	2.00E-10
4505	438220.6	3762331	5.94E-10	2.03E-09	2.62E-09	9.24E-11	3.31E-10	4.24E-10	4.98E-11	1.54E-10	2.03E-10
4506	438224.3	3762340	6.05E-10	2.06E-09	2.67E-09	9.39E-11	3.37E-10	4.31E-10	5.06E-11	1.56E-10	2.07E-10
4507	438228.1	3762349	6.15E-10	2.10E-09	2.71E-09	9.56E-11	3.43E-10	4.38E-10	5.15E-11	1.59E-10	2.10E-10
4508	438231.9	3762358	6.26E-10	2.13E-09	2.76E-09	9.72E-11	3.49E-10	4.46E-10	5.24E-11	1.62E-10	2.14E-10
4509	438235.6	3762367	6.37E-10	2.17E-09	2.81E-09	9.89E-11	3.55E-10	4.54E-10	5.33E-11	1.65E-10	2.18E-10
4510	438239.4	3762376	6.48E-10	2.21E-09	2.86E-09	1.01E-10	3.61E-10	4.62E-10	5.42E-11	1.67E-10	2.22E-10

4511	438243.1	3762385	6.60E-10	2.25E-09	2.91E-09	1.03E-10	3.68E-10	4.70E-10	5.52E-11	1.71E-10	2.26E-10
4512	438246.9	3762394	6.72E-10	2.29E-09	2.96E-09	1.04E-10	3.74E-10	4.79E-10	5.63E-11	1.74E-10	2.30E-10
4513	438250.7	3762403	6.85E-10	2.33E-09	3.02E-09	1.06E-10	3.81E-10	4.88E-10	5.73E-11	1.77E-10	2.34E-10
4514	438254.4	3762412	6.98E-10	2.38E-09	3.08E-09	1.08E-10	3.89E-10	4.97E-10	5.84E-11	1.80E-10	2.39E-10
4515	438258.2	3762421	7.11E-10	2.43E-09	3.14E-09	1.11E-10	3.96E-10	5.07E-10	5.95E-11	1.84E-10	2.43E-10
4516	438261.9	3762430	7.25E-10	2.47E-09	3.20E-09	1.13E-10	4.04E-10	5.17E-10	6.07E-11	1.87E-10	2.48E-10
4517	438265.7	3762439	7.39E-10	2.52E-09	3.26E-09	1.15E-10	4.12E-10	5.27E-10	6.19E-11	1.91E-10	2.53E-10
4518	438269.5	3762448	7.54E-10	2.57E-09	3.32E-09	1.17E-10	4.20E-10	5.37E-10	6.31E-11	1.95E-10	2.58E-10
4519	438273.2	3762457	7.68E-10	2.62E-09	3.39E-09	1.19E-10	4.28E-10	5.48E-10	6.43E-11	1.99E-10	2.63E-10
4520	438277	3762466	7.84E-10	2.67E-09	3.46E-09	1.22E-10	4.37E-10	5.58E-10	6.56E-11	2.02E-10	2.68E-10
4521	438280.7	3762475	7.99E-10	2.73E-09	3.52E-09	1.24E-10	4.45E-10	5.69E-10	6.69E-11	2.06E-10	2.73E-10
4522	438284.5	3762485	8.15E-10	2.78E-09	3.59E-09	1.27E-10	4.54E-10	5.81E-10	6.82E-11	2.11E-10	2.79E-10
4523	438288.3	3762494	8.31E-10	2.83E-09	3.67E-09	1.29E-10	4.63E-10	5.92E-10	6.96E-11	2.15E-10	2.84E-10
4524	438303.3	3762530	8.98E-10	3.06E-09	3.96E-09	1.40E-10	5.00E-10	6.40E-10	7.52E-11	2.32E-10	3.07E-10
4525	438307.1	3762539	9.16E-10	3.12E-09	4.04E-09	1.42E-10	5.10E-10	6.52E-10	7.67E-11	2.37E-10	3.13E-10
4526	438310.8	3762548	9.33E-10	3.18E-09	4.12E-09	1.45E-10	5.20E-10	6.65E-10	7.81E-11	2.41E-10	3.19E-10
4527	438314.6	3762557	9.51E-10	3.24E-09	4.19E-09	1.48E-10	5.30E-10	6.78E-10	7.96E-11	2.46E-10	3.25E-10
4528	438318.3	3762566	9.69E-10	3.30E-09	4.27E-09	1.51E-10	5.40E-10	6.90E-10	8.11E-11	2.50E-10	3.31E-10
4529	438322.1	3762575	9.86E-10	3.36E-09	4.35E-09	1.53E-10	5.50E-10	7.03E-10	8.26E-11	2.55E-10	3.37E-10
4530	438325.9	3762584	1.00E-09	3.42E-09	4.43E-09	1.56E-10	5.59E-10	7.15E-10	8.40E-11	2.59E-10	3.44E-10
4531	438329.6	3762593	1.02E-09	3.48E-09	4.51E-09	1.59E-10	5.69E-10	7.28E-10	8.55E-11	2.64E-10	3.50E-10
4532	438340.9	3762620	1.07E-09	3.67E-09	4.74E-09	1.67E-10	5.99E-10	7.66E-10	9.00E-11	2.78E-10	3.68E-10
4533	438344.7	3762629	1.09E-09	3.73E-09	4.82E-09	1.70E-10	6.09E-10	7.78E-10	9.14E-11	2.82E-10	3.74E-10
4534	438348.4	3762638	1.11E-09	3.78E-09	4.89E-09	1.72E-10	6.18E-10	7.91E-10	9.29E-11	2.87E-10	3.80E-10
4535	438128.5	3762013	3.35E-10	1.14E-09	1.48E-09	5.21E-11	1.87E-10	2.39E-10	2.81E-11	8.67E-11	1.15E-10
4536	438132.3	3762022	3.41E-10	1.16E-09	1.50E-09	5.29E-11	1.90E-10	2.43E-10	2.85E-11	8.80E-11	1.17E-10
4537	438136	3762031	3.46E-10	1.18E-09	1.52E-09	5.37E-11	1.93E-10	2.46E-10	2.89E-11	8.93E-11	1.18E-10
4538	438166.2	3762103	3.90E-10	1.33E-09	1.72E-09	6.06E-11	2.17E-10	2.78E-10	3.26E-11	1.01E-10	1.33E-10
4539	438169.9	3762112	3.96E-10	1.35E-09	1.75E-09	6.15E-11	2.20E-10	2.82E-10	3.31E-11	1.02E-10	1.35E-10
4540	438173.7	3762121	4.02E-10	1.37E-09	1.77E-09	6.24E-11	2.24E-10	2.86E-10	3.36E-11	1.04E-10	1.37E-10
4541	438177.5	3762131	4.08E-10	1.39E-09	1.80E-09	6.33E-11	2.27E-10	2.90E-10	3.41E-11	1.05E-10	1.39E-10
4542	438181.2	3762140	4.14E-10	1.41E-09	1.82E-09	6.43E-11	2.30E-10	2.95E-10	3.46E-11	1.07E-10	1.42E-10
4543	438185	3762149	4.20E-10	1.43E-09	1.85E-09	6.52E-11	2.34E-10	2.99E-10	3.51E-11	1.08E-10	1.44E-10
4544	438188.8	3762158	4.26E-10	1.45E-09	1.88E-09	6.62E-11	2.37E-10	3.03E-10	3.56E-11	1.10E-10	1.46E-10
4545	438192.5	3762167	4.32E-10	1.47E-09	1.91E-09	6.71E-11	2.41E-10	3.08E-10	3.62E-11	1.12E-10	1.48E-10
4546	438196.3	3762176	4.38E-10	1.50E-09	1.93E-09	6.81E-11	2.44E-10	3.12E-10	3.67E-11	1.13E-10	1.50E-10
4547	438200.1	3762185	4.45E-10	1.52E-09	1.96E-09	6.91E-11	2.48E-10	3.17E-10	3.72E-11	1.15E-10	1.52E-10
4548	438203.8	3762194	4.51E-10	1.54E-09	1.99E-09	7.01E-11	2.51E-10	3.22E-10	3.78E-11	1.17E-10	1.54E-10
4549	438207.6	3762203	4.58E-10	1.56E-09	2.02E-09	7.12E-11	2.55E-10	3.26E-10	3.83E-11	1.18E-10	1.57E-10
4550	438211.4	3762212	4.65E-10	1.59E-09	2.05E-09	7.22E-11	2.59E-10	3.31E-10	3.89E-11	1.20E-10	1.59E-10
4551	438215.1	3762221	4.72E-10	1.61E-09	2.08E-09	7.33E-11	2.63E-10	3.36E-10	3.95E-11	1.22E-10	1.61E-10
4552	438218.9	3762230	4.79E-10	1.63E-09	2.11E-09	7.44E-11	2.67E-10	3.41E-10	4.01E-11	1.24E-10	1.64E-10
4553	438222.7	3762239	4.86E-10	1.66E-09	2.14E-09	7.55E-11	2.71E-10	3.46E-10	4.07E-11	1.26E-10	1.66E-10
4554	438226.4	3762248	4.93E-10	1.68E-09	2.17E-09	7.66E-11	2.75E-10	3.51E-10	4.13E-11	1.27E-10	1.69E-10
4555	438230.2	3762258	5.00E-10	1.71E-09	2.21E-09	7.77E-11	2.79E-10	3.56E-10	4.19E-11	1.29E-10	1.71E-10
4556	438234	3762267	5.08E-10	1.73E-09	2.24E-09	7.89E-11	2.83E-10	3.62E-10	4.25E-11	1.31E-10	1.74E-10
4557	438237.7	3762276	5.15E-10	1.76E-09	2.27E-09	8.01E-11	2.87E-10	3.67E-10	4.31E-11	1.33E-10	1.76E-10
4558	438241.5	3762285	5.23E-10	1.78E-09	2.31E-09	8.13E-11	2.92E-10	3.73E-10	4.38E-11	1.35E-10	1.79E-10
4559	438245.3	3762294	5.31E-10	1.81E-09	2.34E-09	8.26E-11	2.96E-10	3.79E-10	4.45E-11	1.37E-10	1.82E-10
4560	438249	3762303	5.40E-10	1.84E-09	2.38E-09	8.39E-11	3.01E-10	3.85E-10	4.52E-11	1.39E-10	1.85E-10
4561	438252.8	3762312	5.48E-10	1.87E-09	2.42E-09	8.52E-11	3.05E-10	3.91E-10	4.59E-11	1.42E-10	1.88E-10
4562	438256.6	3762321	5.57E-10	1.90E-09	2.46E-09	8.65E-11	3.10E-10	3.97E-10	4.66E-11	1.44E-10	1.91E-10
4563	438260.3	3762330	5.66E-10	1.93E-09	2.50E-09	8.79E-11	3.15E-10	4.03E-10	4.74E-11	1.46E-10	1.94E-10
4564	438264.1	3762339	5.75E-10	1.96E-09	2.54E-09	8.94E-11	3.20E-10	4.10E-10	4.81E-11	1.49E-10	1.97E-10
4565	438267.9	3762348	5.85E-10	1.99E-09	2.58E-09	9.09E-11	3.26E-10	4.17E-10	4.90E-11	1.51E-10	2.00E-10
4566	438271.6	3762357	5.95E-10	2.03E-09	2.62E-09	9.24E-11	3.31E-10	4.24E-10	4.98E-11	1.54E-10	2.03E-10
4567	438275.4	3762366	6.05E-10	2.06E-09	2.67E-09	9.40E-11	3.37E-10	4.31E-10	5.06E-11	1.56E-10	2.07E-10
4568	438279.2	3762375	6.15E-10	2.10E-09	2.71E-09	9.56E-11	3.43E-10	4.38E-10	5.15E-11	1.59E-10	2.11E-10
4569	438282.9	3762384	6.26E-10	2.14E-09	2.76E-09	9.73E-11	3.49E-10	4.46E-10	5.24E-11	1.62E-10	2.14E-10
4570	438286.7	3762394	6.38E-10	2.17E-09	2.81E-09	9.91E-11	3.55E-10	4.54E-10	5.34E-11	1.65E-10	2.18E-10
4571	438290.5	3762403	6.49E-10	2.21E-09	2.86E-09	1.01E-10	3.62E-10	4.62E-10	5.43E-11	1.68E-10	2.22E-10

4572	438294.2	3762412	6.61E-10	2.25E-09	2.92E-09	1.03E-10	3.68E-10	4.71E-10	5.53E-11	1.71E-10	2.26E-10
4573	438298	3762421	6.73E-10	2.30E-09	2.97E-09	1.05E-10	3.75E-10	4.80E-10	5.64E-11	1.74E-10	2.30E-10
4574	438301.8	3762430	6.86E-10	2.34E-09	3.02E-09	1.07E-10	3.82E-10	4.89E-10	5.74E-11	1.77E-10	2.35E-10
4575	438313.1	3762457	7.25E-10	2.47E-09	3.20E-09	1.13E-10	4.04E-10	5.17E-10	6.07E-11	1.87E-10	2.48E-10
4576	438316.8	3762466	7.39E-10	2.52E-09	3.26E-09	1.15E-10	4.12E-10	5.27E-10	6.19E-11	1.91E-10	2.53E-10
4577	438320.6	3762475	7.53E-10	2.57E-09	3.32E-09	1.17E-10	4.20E-10	5.37E-10	6.30E-11	1.95E-10	2.58E-10
4578	438324.4	3762484	7.67E-10	2.62E-09	3.38E-09	1.19E-10	4.28E-10	5.47E-10	6.42E-11	1.98E-10	2.63E-10
4579	438328.1	3762493	7.82E-10	2.67E-09	3.45E-09	1.21E-10	4.36E-10	5.57E-10	6.54E-11	2.02E-10	2.67E-10
4580	438331.9	3762502	7.97E-10	2.72E-09	3.51E-09	1.24E-10	4.44E-10	5.68E-10	6.67E-11	2.06E-10	2.72E-10
4581	438343.2	3762530	8.42E-10	2.87E-09	3.71E-09	1.31E-10	4.69E-10	6.00E-10	7.05E-11	2.17E-10	2.88E-10
4582	438347	3762539	8.57E-10	2.92E-09	3.78E-09	1.33E-10	4.77E-10	6.11E-10	7.17E-11	2.21E-10	2.93E-10
4583	438350.7	3762548	8.73E-10	2.98E-09	3.85E-09	1.36E-10	4.86E-10	6.22E-10	7.30E-11	2.25E-10	2.98E-10
4584	438388.4	3762638	1.03E-09	3.50E-09	4.53E-09	1.60E-10	5.72E-10	7.32E-10	8.60E-11	2.65E-10	3.51E-10
4585	438392.2	3762647	1.04E-09	3.55E-09	4.59E-09	1.62E-10	5.80E-10	7.42E-10	8.72E-11	2.69E-10	3.56E-10
4586	438395.9	3762657	1.06E-09	3.60E-09	4.66E-09	1.64E-10	5.89E-10	7.53E-10	8.84E-11	2.73E-10	3.61E-10
4587	438399.7	3762666	1.07E-09	3.65E-09	4.72E-09	1.66E-10	5.96E-10	7.63E-10	8.96E-11	2.77E-10	3.66E-10
4588	438156.7	3761984	3.15E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.63E-11	8.13E-11	1.08E-10
4589	438160.5	3761993	3.19E-10	1.09E-09	1.41E-09	4.96E-11	1.78E-10	2.28E-10	2.67E-11	8.25E-11	1.09E-10
4590	438164.3	3762003	3.24E-10	1.10E-09	1.43E-09	5.03E-11	1.81E-10	2.31E-10	2.71E-11	8.37E-11	1.11E-10
4591	438175.6	3762030	3.38E-10	1.15E-09	1.49E-09	5.25E-11	1.88E-10	2.41E-10	2.83E-11	8.74E-11	1.16E-10
4592	438179.4	3762039	3.43E-10	1.17E-09	1.51E-09	5.33E-11	1.91E-10	2.44E-10	2.87E-11	8.86E-11	1.17E-10
4593	438205.8	3762102	3.79E-10	1.29E-09	1.67E-09	5.89E-11	2.11E-10	2.70E-10	3.17E-11	9.79E-11	1.30E-10
4594	438209.6	3762112	3.84E-10	1.31E-09	1.69E-09	5.97E-11	2.14E-10	2.74E-10	3.22E-11	9.93E-11	1.31E-10
4595	438213.3	3762121	3.90E-10	1.33E-09	1.72E-09	6.05E-11	2.17E-10	2.78E-10	3.26E-11	1.01E-10	1.33E-10
4596	438217.1	3762130	3.95E-10	1.35E-09	1.74E-09	6.14E-11	2.20E-10	2.81E-10	3.31E-11	1.02E-10	1.35E-10
4597	438220.9	3762139	4.00E-10	1.37E-09	1.77E-09	6.22E-11	2.23E-10	2.85E-10	3.35E-11	1.03E-10	1.37E-10
4598	438224.7	3762148	4.06E-10	1.38E-09	1.79E-09	6.31E-11	2.26E-10	2.89E-10	3.40E-11	1.05E-10	1.39E-10
4599	438228.4	3762157	4.12E-10	1.40E-09	1.81E-09	6.39E-11	2.29E-10	2.93E-10	3.44E-11	1.06E-10	1.41E-10
4600	438232.2	3762166	4.17E-10	1.42E-09	1.84E-09	6.48E-11	2.32E-10	2.97E-10	3.49E-11	1.08E-10	1.43E-10
4601	438236	3762175	4.23E-10	1.44E-09	1.87E-09	6.57E-11	2.36E-10	3.01E-10	3.54E-11	1.09E-10	1.45E-10
4602	438239.7	3762184	4.29E-10	1.46E-09	1.89E-09	6.66E-11	2.39E-10	3.05E-10	3.59E-11	1.11E-10	1.47E-10
4603	438243.5	3762193	4.35E-10	1.48E-09	1.92E-09	6.75E-11	2.42E-10	3.10E-10	3.64E-11	1.12E-10	1.49E-10
4604	438247.3	3762202	4.41E-10	1.50E-09	1.94E-09	6.85E-11	2.46E-10	3.14E-10	3.69E-11	1.14E-10	1.51E-10
4605	438251.1	3762211	4.47E-10	1.52E-09	1.97E-09	6.94E-11	2.49E-10	3.18E-10	3.74E-11	1.15E-10	1.53E-10
4606	438254.8	3762221	4.53E-10	1.55E-09	2.00E-09	7.04E-11	2.52E-10	3.23E-10	3.79E-11	1.17E-10	1.55E-10
4607	438258.6	3762230	4.59E-10	1.57E-09	2.03E-09	7.14E-11	2.56E-10	3.27E-10	3.85E-11	1.19E-10	1.57E-10
4608	438262.4	3762239	4.66E-10	1.59E-09	2.06E-09	7.24E-11	2.60E-10	3.32E-10	3.90E-11	1.20E-10	1.59E-10
4609	438266.1	3762248	4.73E-10	1.61E-09	2.08E-09	7.34E-11	2.63E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
4610	438269.9	3762257	4.79E-10	1.63E-09	2.11E-09	7.45E-11	2.67E-10	3.41E-10	4.01E-11	1.24E-10	1.64E-10
4611	438273.7	3762266	4.86E-10	1.66E-09	2.14E-09	7.55E-11	2.71E-10	3.46E-10	4.07E-11	1.26E-10	1.66E-10
4612	438277.5	3762275	4.93E-10	1.68E-09	2.18E-09	7.66E-11	2.75E-10	3.51E-10	4.13E-11	1.27E-10	1.69E-10
4613	438281.2	3762284	5.00E-10	1.71E-09	2.21E-09	7.77E-11	2.79E-10	3.56E-10	4.19E-11	1.29E-10	1.71E-10
4614	438285	3762293	5.08E-10	1.73E-09	2.24E-09	7.89E-11	2.83E-10	3.62E-10	4.25E-11	1.31E-10	1.74E-10
4615	438288.8	3762302	5.15E-10	1.76E-09	2.27E-09	8.01E-11	2.87E-10	3.67E-10	4.31E-11	1.33E-10	1.76E-10
4616	438292.6	3762311	5.23E-10	1.78E-09	2.31E-09	8.13E-11	2.91E-10	3.73E-10	4.38E-11	1.35E-10	1.79E-10
4617	438296.3	3762320	5.31E-10	1.81E-09	2.34E-09	8.26E-11	2.96E-10	3.79E-10	4.45E-11	1.37E-10	1.82E-10
4618	438300.1	3762330	5.40E-10	1.84E-09	2.38E-09	8.38E-11	3.01E-10	3.84E-10	4.52E-11	1.39E-10	1.85E-10
4619	438303.9	3762339	5.48E-10	1.87E-09	2.42E-09	8.52E-11	3.05E-10	3.91E-10	4.59E-11	1.42E-10	1.88E-10
4620	438307.6	3762348	5.57E-10	1.90E-09	2.46E-09	8.66E-11	3.10E-10	3.97E-10	4.66E-11	1.44E-10	1.91E-10
4621	438311.4	3762357	5.66E-10	1.93E-09	2.50E-09	8.80E-11	3.15E-10	4.03E-10	4.74E-11	1.46E-10	1.94E-10
4622	438326.5	3762393	6.06E-10	2.07E-09	2.67E-09	9.41E-11	3.37E-10	4.32E-10	5.07E-11	1.57E-10	2.07E-10
4623	438330.3	3762402	6.16E-10	2.10E-09	2.72E-09	9.58E-11	3.43E-10	4.39E-10	5.16E-11	1.59E-10	2.11E-10
4624	438334.1	3762411	6.27E-10	2.14E-09	2.77E-09	9.75E-11	3.49E-10	4.47E-10	5.25E-11	1.62E-10	2.15E-10
4625	438337.8	3762420	6.39E-10	2.18E-09	2.82E-09	9.92E-11	3.56E-10	4.55E-10	5.34E-11	1.65E-10	2.18E-10
4626	438341.6	3762429	6.50E-10	2.22E-09	2.87E-09	1.01E-10	3.62E-10	4.63E-10	5.44E-11	1.68E-10	2.22E-10
4627	438352.9	3762457	6.86E-10	2.34E-09	3.02E-09	1.07E-10	3.82E-10	4.89E-10	5.74E-11	1.77E-10	2.35E-10
4628	438390.6	3762547	8.18E-10	2.79E-09	3.61E-09	1.27E-10	4.56E-10	5.83E-10	6.85E-11	2.11E-10	2.80E-10
4629	438394.4	3762557	8.32E-10	2.84E-09	3.67E-09	1.29E-10	4.63E-10	5.93E-10	6.96E-11	2.15E-10	2.85E-10
4630	438398.2	3762566	8.45E-10	2.88E-09	3.73E-09	1.31E-10	4.71E-10	6.02E-10	7.08E-11	2.18E-10	2.89E-10
4631	438402	3762575	8.59E-10	2.93E-09	3.79E-09	1.33E-10	4.79E-10	6.12E-10	7.19E-11	2.22E-10	2.94E-10
4632	438405.7	3762584	8.73E-10	2.98E-09	3.85E-09	1.36E-10	4.86E-10	6.22E-10	7.30E-11	2.26E-10	2.99E-10

4633	438409.5	3762593	8.86E-10	3.02E-09	3.91E-09	1.38E-10	4.94E-10	6.31E-10	7.42E-11	2.29E-10	3.03E-10
4634	438413.3	3762602	9.00E-10	3.07E-09	3.97E-09	1.40E-10	5.01E-10	6.41E-10	7.53E-11	2.32E-10	3.08E-10
4635	438417	3762611	9.13E-10	3.11E-09	4.03E-09	1.42E-10	5.09E-10	6.51E-10	7.65E-11	2.36E-10	3.12E-10
4636	438420.8	3762620	9.27E-10	3.16E-09	4.09E-09	1.44E-10	5.16E-10	6.60E-10	7.76E-11	2.39E-10	3.17E-10
4637	438424.6	3762629	9.40E-10	3.21E-09	4.15E-09	1.46E-10	5.24E-10	6.70E-10	7.87E-11	2.43E-10	3.22E-10
4638	438428.4	3762638	9.53E-10	3.25E-09	4.20E-09	1.48E-10	5.31E-10	6.79E-10	7.98E-11	2.46E-10	3.26E-10
4639	438432.1	3762647	9.66E-10	3.29E-09	4.26E-09	1.50E-10	5.38E-10	6.88E-10	8.09E-11	2.50E-10	3.31E-10
4640	438435.9	3762656	9.79E-10	3.34E-09	4.32E-09	1.52E-10	5.45E-10	6.97E-10	8.19E-11	2.53E-10	3.35E-10
4641	438439.7	3762666	9.91E-10	3.38E-09	4.37E-09	1.54E-10	5.52E-10	7.06E-10	8.30E-11	2.56E-10	3.39E-10
4642	437384	3762675	1.60E-08	5.44E-08	7.04E-08	2.48E-09	8.89E-09	1.14E-08	1.34E-09	4.13E-09	5.46E-09
4643	437384	3762691	2.23E-08	7.62E-08	9.85E-08	3.47E-09	1.24E-08	1.59E-08	1.87E-09	5.77E-09	7.64E-09
4644	437376.9	3762668	1.33E-08	4.53E-08	5.85E-08	2.06E-09	7.39E-09	9.45E-09	1.11E-09	3.43E-09	4.54E-09
4645	437374	3762683	1.71E-08	5.82E-08	7.52E-08	2.65E-09	9.50E-09	1.22E-08	1.43E-09	4.41E-09	5.84E-09
4646	437366.9	3762668	1.22E-08	4.17E-08	5.40E-08	1.90E-09	6.82E-09	8.72E-09	1.02E-09	3.16E-09	4.19E-09
4647	437379.8	3762651	1.03E-08	3.51E-08	4.54E-08	1.60E-09	5.74E-09	7.34E-09	8.62E-10	2.66E-09	3.52E-09
4648	437364	3762683	1.54E-08	5.25E-08	6.79E-08	2.39E-09	8.58E-09	1.10E-08	1.29E-09	3.98E-09	5.27E-09
4649	437356.9	3762668	1.12E-08	3.84E-08	4.96E-08	1.75E-09	6.27E-09	8.01E-09	9.41E-10	2.91E-09	3.85E-09
4650	437362.7	3762654	9.59E-09	3.27E-08	4.23E-08	1.49E-09	5.34E-09	6.83E-09	8.02E-10	2.48E-09	3.28E-09
4651	437372.7	3762644	8.90E-09	3.03E-08	3.92E-08	1.38E-09	4.96E-09	6.34E-09	7.45E-10	2.30E-09	3.04E-09
4652	437354	3762683	1.39E-08	4.73E-08	6.11E-08	2.15E-09	7.72E-09	9.87E-09	1.16E-09	3.58E-09	4.74E-09
4653	437354	3762699	1.83E-08	6.24E-08	8.07E-08	2.84E-09	1.02E-08	1.30E-08	1.53E-09	4.73E-09	6.26E-09
4654	437346.9	3762668	1.03E-08	3.52E-08	4.55E-08	1.60E-09	5.75E-09	7.35E-09	8.64E-10	2.67E-09	3.53E-09
4655	437352.7	3762654	8.93E-09	3.04E-08	3.94E-08	1.39E-09	4.97E-09	6.36E-09	7.47E-10	2.31E-09	3.05E-09
4656	437365.6	3762637	7.77E-09	2.65E-08	3.43E-08	1.21E-09	4.33E-09	5.54E-09	6.50E-10	2.01E-09	2.66E-09
4657	437379.7	3762631	7.78E-09	2.65E-08	3.43E-08	1.21E-09	4.33E-09	5.54E-09	6.51E-10	2.01E-09	2.66E-09
4658	437344	3762683	1.24E-08	4.25E-08	5.49E-08	1.93E-09	6.94E-09	8.87E-09	1.04E-09	3.22E-09	4.26E-09
4659	437344	3762699	1.59E-08	5.42E-08	7.01E-08	2.47E-09	8.86E-09	1.13E-08	1.33E-09	4.11E-09	5.44E-09
4660	437336.9	3762668	9.45E-09	3.22E-08	4.17E-08	1.47E-09	5.26E-09	6.73E-09	7.91E-10	2.44E-09	3.23E-09
4661	437342.7	3762654	8.30E-09	2.83E-08	3.66E-08	1.29E-09	4.62E-09	5.91E-09	6.95E-10	2.14E-09	2.84E-09
4662	437348.6	3762640	7.28E-09	2.48E-08	3.21E-08	1.13E-09	4.05E-09	5.18E-09	6.09E-10	1.88E-09	2.49E-09
4663	437358.5	3762630	6.85E-09	2.33E-08	3.02E-08	1.06E-09	3.81E-09	4.88E-09	5.73E-10	1.77E-09	2.34E-09
4664	437372.6	3762624	6.86E-09	2.34E-08	3.03E-08	1.07E-09	3.82E-09	4.89E-09	5.75E-10	1.77E-09	2.35E-09
4665	437334	3762683	1.12E-08	3.81E-08	4.92E-08	1.73E-09	6.22E-09	7.95E-09	9.34E-10	2.88E-09	3.82E-09
4666	437326.9	3762668	8.64E-09	2.95E-08	3.81E-08	1.34E-09	4.81E-09	6.16E-09	7.23E-10	2.23E-09	2.96E-09
4667	437332.7	3762654	7.70E-09	2.63E-08	3.40E-08	1.20E-09	4.29E-09	5.49E-09	6.45E-10	1.99E-09	2.63E-09
4668	437338.6	3762640	6.83E-09	2.33E-08	3.01E-08	1.06E-09	3.81E-09	4.87E-09	5.72E-10	1.77E-09	2.34E-09
4669	437351.4	3762623	6.08E-09	2.07E-08	2.68E-08	9.45E-10	3.39E-09	4.33E-09	5.09E-10	1.57E-09	2.08E-09
4670	437365.5	3762617	6.10E-09	2.08E-08	2.69E-08	9.48E-10	3.40E-09	4.35E-09	5.11E-10	1.58E-09	2.09E-09
4671	437379.6	3762611	6.08E-09	2.07E-08	2.68E-08	9.44E-10	3.38E-09	4.33E-09	5.08E-10	1.57E-09	2.08E-09
4672	437324	3762683	1.00E-08	3.42E-08	4.42E-08	1.56E-09	5.58E-09	7.14E-09	8.38E-10	2.59E-09	3.43E-09
4673	437316.9	3762668	7.91E-09	2.70E-08	3.49E-08	1.23E-09	4.41E-09	5.63E-09	6.62E-10	2.04E-09	2.71E-09
4674	437322.7	3762654	7.14E-09	2.43E-08	3.15E-08	1.11E-09	3.98E-09	5.09E-09	5.98E-10	1.85E-09	2.44E-09
4675	437328.6	3762640	6.41E-09	2.18E-08	2.83E-08	9.95E-10	3.57E-09	4.56E-09	5.36E-10	1.66E-09	2.19E-09
4676	437334.4	3762625	5.73E-09	1.95E-08	2.53E-08	8.90E-10	3.19E-09	4.08E-09	4.79E-10	1.48E-09	1.96E-09
4677	437344.4	3762615	5.44E-09	1.85E-08	2.40E-08	8.45E-10	3.03E-09	3.88E-09	4.55E-10	1.41E-09	1.86E-09
4678	437358.4	3762610	5.46E-09	1.86E-08	2.41E-08	8.49E-10	3.04E-09	3.89E-09	4.57E-10	1.41E-09	1.87E-09
4679	437372.5	3762604	5.45E-09	1.86E-08	2.40E-08	8.46E-10	3.03E-09	3.88E-09	4.56E-10	1.41E-09	1.86E-09
4680	437314	3762683	9.01E-09	3.07E-08	3.97E-08	1.40E-09	5.02E-09	6.42E-09	7.54E-10	2.33E-09	3.08E-09
4681	437306.9	3762668	7.24E-09	2.47E-08	3.19E-08	1.13E-09	4.04E-09	5.16E-09	6.06E-10	1.87E-09	2.48E-09
4682	437312.7	3762654	6.62E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.72E-09	5.54E-10	1.71E-09	2.26E-09
4683	437318.6	3762640	6.00E-09	2.05E-08	2.65E-08	9.32E-10	3.34E-09	4.27E-09	5.02E-10	1.55E-09	2.05E-09
4684	437324.4	3762625	5.41E-09	1.85E-08	2.39E-08	8.41E-10	3.01E-09	3.86E-09	4.53E-10	1.40E-09	1.85E-09
4685	437337.3	3762608	4.89E-09	1.67E-08	2.16E-08	7.60E-10	2.73E-09	3.49E-09	4.10E-10	1.26E-09	1.67E-09
4686	437351.4	3762603	4.92E-09	1.68E-08	2.17E-08	7.64E-10	2.74E-09	3.50E-09	4.12E-10	1.27E-09	1.68E-09
4687	437365.5	3762597	4.91E-09	1.67E-08	2.16E-08	7.63E-10	2.73E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
4688	437379.5	3762591	4.87E-09	1.66E-08	2.15E-08	7.56E-10	2.71E-09	3.47E-09	4.07E-10	1.26E-09	1.66E-09
4689	437304	3762683	8.15E-09	2.78E-08	3.59E-08	1.27E-09	4.54E-09	5.80E-09	6.82E-10	2.10E-09	2.79E-09
4690	437296.9	3762668	6.64E-09	2.26E-08	2.93E-08	1.03E-09	3.70E-09	4.73E-09	5.56E-10	1.72E-09	2.27E-09
4691	437302.7	3762654	6.13E-09	2.09E-08	2.70E-08	9.52E-10	3.41E-09	4.37E-09	5.13E-10	1.58E-09	2.10E-09
4692	437308.6	3762640	5.61E-09	1.91E-08	2.48E-08	8.72E-10	3.13E-09	4.00E-09	4.70E-10	1.45E-09	1.92E-09
4693	437314.4	3762625	5.11E-09	1.74E-08	2.25E-08	7.94E-10	2.85E-09	3.64E-09	4.27E-10	1.32E-09	1.75E-09

4694	437320.2	3762611	4.63E-09	1.58E-08	2.04E-08	7.19E-10	2.58E-09	3.30E-09	3.87E-10	1.20E-09	1.58E-09
4695	437330.2	3762601	4.43E-09	1.51E-08	1.95E-08	6.88E-10	2.47E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
4696	437344.3	3762595	4.45E-09	1.52E-08	1.96E-08	6.92E-10	2.48E-09	3.17E-09	3.73E-10	1.15E-09	1.52E-09
4697	437358.4	3762590	4.45E-09	1.52E-08	1.96E-08	6.91E-10	2.48E-09	3.17E-09	3.72E-10	1.15E-09	1.52E-09
4698	437372.5	3762584	4.41E-09	1.51E-08	1.95E-08	6.86E-10	2.46E-09	3.14E-09	3.69E-10	1.14E-09	1.51E-09
4699	437294	3762683	7.39E-09	2.52E-08	3.26E-08	1.15E-09	4.12E-09	5.26E-09	6.18E-10	1.91E-09	2.53E-09
4700	437276.9	3762668	5.61E-09	1.91E-08	2.48E-08	8.72E-10	3.13E-09	4.00E-09	4.70E-10	1.45E-09	1.92E-09
4701	437282.7	3762654	5.26E-09	1.79E-08	2.32E-08	8.17E-10	2.93E-09	3.75E-09	4.40E-10	1.36E-09	1.80E-09
4702	437288.6	3762640	4.90E-09	1.67E-08	2.16E-08	7.61E-10	2.73E-09	3.49E-09	4.10E-10	1.27E-09	1.68E-09
4703	437294.4	3762625	4.53E-09	1.55E-08	2.00E-08	7.04E-10	2.52E-09	3.23E-09	3.79E-10	1.17E-09	1.55E-09
4704	437300.2	3762611	4.17E-09	1.42E-08	1.84E-08	6.47E-10	2.32E-09	2.97E-09	3.49E-10	1.08E-09	1.43E-09
4705	437306.1	3762597	3.82E-09	1.30E-08	1.68E-08	5.93E-10	2.13E-09	2.72E-09	3.20E-10	9.87E-10	1.31E-09
4706	437316	3762587	3.67E-09	1.25E-08	1.62E-08	5.71E-10	2.05E-09	2.62E-09	3.08E-10	9.49E-10	1.26E-09
4707	437330.1	3762581	3.70E-09	1.26E-08	1.63E-08	5.75E-10	2.06E-09	2.63E-09	3.10E-10	9.56E-10	1.27E-09
4708	437344.2	3762575	3.70E-09	1.26E-08	1.63E-08	5.75E-10	2.06E-09	2.63E-09	3.10E-10	9.56E-10	1.27E-09
4709	437358.3	3762570	3.68E-09	1.25E-08	1.62E-08	5.71E-10	2.05E-09	2.62E-09	3.08E-10	9.50E-10	1.26E-09
4710	437372.4	3762564	3.64E-09	1.24E-08	1.60E-08	5.65E-10	2.03E-09	2.59E-09	3.05E-10	9.40E-10	1.24E-09
4711	437274	3762683	6.14E-09	2.10E-08	2.71E-08	9.55E-10	3.42E-09	4.38E-09	5.14E-10	1.59E-09	2.10E-09
4712	437256.9	3762668	4.79E-09	1.63E-08	2.11E-08	7.45E-10	2.67E-09	3.42E-09	4.01E-10	1.24E-09	1.64E-09
4713	437262.7	3762654	4.54E-09	1.55E-08	2.00E-08	7.06E-10	2.53E-09	3.24E-09	3.80E-10	1.17E-09	1.55E-09
4714	437268.6	3762640	4.28E-09	1.46E-08	1.89E-08	6.65E-10	2.39E-09	3.05E-09	3.58E-10	1.11E-09	1.47E-09
4715	437274.4	3762625	4.01E-09	1.37E-08	1.77E-08	6.23E-10	2.24E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
4716	437280.2	3762611	3.74E-09	1.28E-08	1.65E-08	5.81E-10	2.08E-09	2.66E-09	3.13E-10	9.66E-10	1.28E-09
4717	437301.8	3762573	3.10E-09	1.06E-08	1.37E-08	4.81E-10	1.73E-09	2.21E-09	2.59E-10	8.01E-10	1.06E-09
4718	437315.9	3762567	3.12E-09	1.06E-08	1.38E-08	4.85E-10	1.74E-09	2.22E-09	2.61E-10	8.07E-10	1.07E-09
4719	437330	3762561	3.12E-09	1.07E-08	1.38E-08	4.86E-10	1.74E-09	2.23E-09	2.62E-10	8.07E-10	1.07E-09
4720	437344.1	3762555	3.11E-09	1.06E-08	1.37E-08	4.84E-10	1.73E-09	2.22E-09	2.60E-10	8.04E-10	1.06E-09
4721	437358.2	3762550	3.08E-09	1.05E-08	1.36E-08	4.79E-10	1.72E-09	2.20E-09	2.58E-10	7.97E-10	1.06E-09
4722	437372.3	3762544	3.04E-09	1.04E-08	1.34E-08	4.73E-10	1.70E-09	2.17E-09	2.55E-10	7.87E-10	1.04E-09
4723	437254	3762683	5.18E-09	1.77E-08	2.28E-08	8.04E-10	2.88E-09	3.69E-09	4.33E-10	1.34E-09	1.77E-09
4724	437236.9	3762668	4.16E-09	1.42E-08	1.83E-08	6.46E-10	2.31E-09	2.96E-09	3.48E-10	1.07E-09	1.42E-09
4725	437242.7	3762654	3.96E-09	1.35E-08	1.75E-08	6.16E-10	2.21E-09	2.82E-09	3.32E-10	1.02E-09	1.36E-09
4726	437248.6	3762640	3.76E-09	1.28E-08	1.66E-08	5.84E-10	2.10E-09	2.68E-09	3.15E-10	9.72E-10	1.29E-09
4727	437254.4	3762625	3.56E-09	1.21E-08	1.57E-08	5.53E-10	1.98E-09	2.54E-09	2.98E-10	9.20E-10	1.22E-09
4728	437260.2	3762611	3.35E-09	1.14E-08	1.48E-08	5.21E-10	1.87E-09	2.39E-09	2.81E-10	8.66E-10	1.15E-09
4729	437287.7	3762559	2.65E-09	9.02E-09	1.17E-08	4.11E-10	1.47E-09	1.88E-09	2.21E-10	6.84E-10	9.05E-10
4730	437301.8	3762553	2.67E-09	9.10E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.23E-10	6.89E-10	9.13E-10
4731	437315.9	3762547	2.67E-09	9.12E-09	1.18E-08	4.16E-10	1.49E-09	1.91E-09	2.24E-10	6.91E-10	9.15E-10
4732	437330	3762541	2.67E-09	9.09E-09	1.18E-08	4.14E-10	1.49E-09	1.90E-09	2.23E-10	6.89E-10	9.12E-10
4733	437344	3762535	2.65E-09	9.03E-09	1.17E-08	4.11E-10	1.47E-09	1.89E-09	2.22E-10	6.84E-10	9.05E-10
4734	437358.1	3762530	2.62E-09	8.92E-09	1.15E-08	4.06E-10	1.46E-09	1.86E-09	2.19E-10	6.76E-10	8.95E-10
4735	437372.2	3762524	2.58E-09	8.79E-09	1.14E-08	4.00E-10	1.44E-09	1.84E-09	2.16E-10	6.66E-10	8.81E-10
4736	437234	3762683	4.45E-09	1.52E-08	1.96E-08	6.91E-10	2.48E-09	3.17E-09	3.72E-10	1.15E-09	1.52E-09
4737	437216.9	3762668	3.63E-09	1.24E-08	1.60E-08	5.63E-10	2.02E-09	2.58E-09	3.04E-10	9.37E-10	1.24E-09
4738	437222.7	3762654	3.49E-09	1.19E-08	1.54E-08	5.42E-10	1.94E-09	2.48E-09	2.92E-10	9.01E-10	1.19E-09
4739	437228.6	3762640	3.33E-09	1.14E-08	1.47E-08	5.18E-10	1.86E-09	2.38E-09	2.79E-10	8.61E-10	1.14E-09
4740	437234.4	3762625	3.17E-09	1.08E-08	1.40E-08	4.93E-10	1.77E-09	2.26E-09	2.66E-10	8.20E-10	1.09E-09
4741	437240.2	3762611	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.15E-09	2.52E-10	7.78E-10	1.03E-09
4742	437287.6	3762539	2.31E-09	7.87E-09	1.02E-08	3.58E-10	1.28E-09	1.64E-09	1.93E-10	5.96E-10	7.89E-10
4743	437301.7	3762533	2.31E-09	7.89E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.91E-10
4744	437315.8	3762527	2.31E-09	7.87E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.93E-10	5.97E-10	7.90E-10
4745	437329.9	3762521	2.29E-09	7.83E-09	1.01E-08	3.57E-10	1.28E-09	1.63E-09	1.92E-10	5.93E-10	7.85E-10
4746	437344	3762515	2.27E-09	7.75E-09	1.00E-08	3.53E-10	1.27E-09	1.62E-09	1.90E-10	5.87E-10	7.77E-10
4747	437358.1	3762510	2.24E-09	7.64E-09	9.88E-09	3.48E-10	1.25E-09	1.60E-09	1.88E-10	5.79E-10	7.66E-10
4748	437372.2	3762504	2.20E-09	7.52E-09	9.72E-09	3.43E-10	1.23E-09	1.57E-09	1.85E-10	5.70E-10	7.54E-10
4749	437214	3762683	3.84E-09	1.31E-08	1.69E-08	5.97E-10	2.14E-09	2.74E-09	3.22E-10	9.93E-10	1.31E-09
4750	437196.9	3762668	3.18E-09	1.08E-08	1.40E-08	4.94E-10	1.77E-09	2.26E-09	2.66E-10	8.21E-10	1.09E-09
4751	437202.7	3762654	3.08E-09	1.05E-08	1.36E-08	4.78E-10	1.71E-09	2.19E-09	2.57E-10	7.95E-10	1.05E-09
4752	437208.6	3762640	2.96E-09	1.01E-08	1.31E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.65E-10	1.01E-09
4753	437214.4	3762625	2.84E-09	9.68E-09	1.25E-08	4.41E-10	1.58E-09	2.02E-09	2.38E-10	7.34E-10	9.71E-10
4754	437220.2	3762611	2.71E-09	9.25E-09	1.20E-08	4.22E-10	1.51E-09	1.93E-09	2.27E-10	7.01E-10	9.28E-10

4755	437259.3	3762531	2.00E-09	6.81E-09	8.81E-09	3.10E-10	1.11E-09	1.42E-09	1.67E-10	5.16E-10	6.83E-10
4756	437273.4	3762525	2.01E-09	6.87E-09	8.88E-09	3.13E-10	1.12E-09	1.44E-09	1.69E-10	5.21E-10	6.89E-10
4757	437287.5	3762519	2.02E-09	6.89E-09	8.92E-09	3.14E-10	1.13E-09	1.44E-09	1.69E-10	5.22E-10	6.92E-10
4758	437301.6	3762513	2.02E-09	6.88E-09	8.90E-09	3.14E-10	1.12E-09	1.44E-09	1.69E-10	5.22E-10	6.91E-10
4759	437315.7	3762507	2.01E-09	6.85E-09	8.86E-09	3.12E-10	1.12E-09	1.43E-09	1.68E-10	5.19E-10	6.87E-10
4760	437329.8	3762501	1.99E-09	6.79E-09	8.78E-09	3.09E-10	1.11E-09	1.42E-09	1.67E-10	5.14E-10	6.81E-10
4761	437343.9	3762495	1.97E-09	6.71E-09	8.68E-09	3.06E-10	1.10E-09	1.40E-09	1.65E-10	5.08E-10	6.73E-10
4762	437358	3762490	1.94E-09	6.61E-09	8.55E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.01E-10	6.63E-10
4763	437372.1	3762484	1.91E-09	6.50E-09	8.41E-09	2.96E-10	1.06E-09	1.36E-09	1.60E-10	4.93E-10	6.52E-10
4764	437194	3762683	3.34E-09	1.14E-08	1.47E-08	5.19E-10	1.86E-09	2.38E-09	2.80E-10	8.63E-10	1.14E-09
4765	437200.2	3762611	2.45E-09	8.34E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.05E-10	6.32E-10	8.36E-10
4766	437229.4	3762541	1.91E-09	6.52E-09	8.43E-09	2.97E-10	1.06E-09	1.36E-09	1.60E-10	4.94E-10	6.54E-10
4767	437235.2	3762527	1.80E-09	6.15E-09	7.95E-09	2.80E-10	1.00E-09	1.28E-09	1.51E-10	4.66E-10	6.17E-10
4768	437245.2	3762517	1.76E-09	6.00E-09	7.76E-09	2.73E-10	9.80E-10	1.25E-09	1.47E-10	4.55E-10	6.02E-10
4769	437259.3	3762511	1.77E-09	6.05E-09	7.83E-09	2.76E-10	9.88E-10	1.26E-09	1.49E-10	4.58E-10	6.07E-10
4770	437273.4	3762505	1.78E-09	6.08E-09	7.86E-09	2.77E-10	9.93E-10	1.27E-09	1.49E-10	4.60E-10	6.10E-10
4771	437287.4	3762499	1.78E-09	6.07E-09	7.86E-09	2.77E-10	9.92E-10	1.27E-09	1.49E-10	4.60E-10	6.09E-10
4772	437301.5	3762493	1.77E-09	6.05E-09	7.82E-09	2.76E-10	9.88E-10	1.26E-09	1.48E-10	4.58E-10	6.07E-10
4773	437315.6	3762487	1.76E-09	6.00E-09	7.76E-09	2.73E-10	9.80E-10	1.25E-09	1.47E-10	4.55E-10	6.02E-10
4774	437329.7	3762481	1.74E-09	5.94E-09	7.68E-09	2.70E-10	9.70E-10	1.24E-09	1.46E-10	4.50E-10	5.96E-10
4775	437343.8	3762475	1.72E-09	5.86E-09	7.57E-09	2.67E-10	9.57E-10	1.22E-09	1.44E-10	4.44E-10	5.88E-10
4776	437357.9	3762470	1.69E-09	5.76E-09	7.45E-09	2.63E-10	9.42E-10	1.20E-09	1.41E-10	4.37E-10	5.78E-10
4777	437372	3762464	1.66E-09	5.67E-09	7.33E-09	2.58E-10	9.26E-10	1.18E-09	1.39E-10	4.29E-10	5.68E-10
4778	437209.4	3762541	1.78E-09	6.06E-09	7.84E-09	2.76E-10	9.90E-10	1.27E-09	1.49E-10	4.59E-10	6.08E-10
4779	437215.2	3762527	1.69E-09	5.75E-09	7.44E-09	2.62E-10	9.40E-10	1.20E-09	1.41E-10	4.36E-10	5.77E-10
4780	437221	3762513	1.60E-09	5.45E-09	7.05E-09	2.48E-10	8.90E-10	1.14E-09	1.34E-10	4.13E-10	5.47E-10
4781	437231	3762503	1.56E-09	5.33E-09	6.89E-09	2.43E-10	8.70E-10	1.11E-09	1.31E-10	4.04E-10	5.35E-10
4782	437245.1	3762497	1.57E-09	5.37E-09	6.95E-09	2.45E-10	8.77E-10	1.12E-09	1.32E-10	4.07E-10	5.39E-10
4783	437259.2	3762491	1.58E-09	5.39E-09	6.98E-09	2.46E-10	8.81E-10	1.13E-09	1.32E-10	4.09E-10	5.41E-10
4784	437273.3	3762485	1.58E-09	5.40E-09	6.98E-09	2.46E-10	8.82E-10	1.13E-09	1.32E-10	4.09E-10	5.42E-10
4785	437287.4	3762479	1.58E-09	5.38E-09	6.96E-09	2.45E-10	8.79E-10	1.12E-09	1.32E-10	4.08E-10	5.40E-10
4786	437301.5	3762473	1.57E-09	5.34E-09	6.91E-09	2.43E-10	8.73E-10	1.12E-09	1.31E-10	4.05E-10	5.36E-10
4787	437315.6	3762467	1.55E-09	5.29E-09	6.84E-09	2.41E-10	8.64E-10	1.10E-09	1.30E-10	4.01E-10	5.31E-10
4788	437329.6	3762461	1.53E-09	5.22E-09	6.75E-09	2.38E-10	8.53E-10	1.09E-09	1.28E-10	3.96E-10	5.24E-10
4789	437343.7	3762455	1.51E-09	5.15E-09	6.66E-09	2.35E-10	8.41E-10	1.08E-09	1.26E-10	3.90E-10	5.16E-10
4790	437357.8	3762450	1.48E-09	5.06E-09	6.55E-09	2.31E-10	8.27E-10	1.06E-09	1.24E-10	3.84E-10	5.08E-10
4791	437371.9	3762444	1.46E-09	4.98E-09	6.44E-09	2.27E-10	8.13E-10	1.04E-09	1.22E-10	3.77E-10	4.99E-10
4792	437137	3762668	2.22E-09	7.56E-09	9.78E-09	3.44E-10	1.23E-09	1.58E-09	1.86E-10	5.73E-10	7.58E-10
4793	437143.1	3762653	2.17E-09	7.40E-09	9.56E-09	3.37E-10	1.21E-09	1.55E-09	1.82E-10	5.60E-10	7.42E-10
4794	437191.6	3762535	1.62E-09	5.53E-09	7.15E-09	2.52E-10	9.04E-10	1.16E-09	1.36E-10	4.19E-10	5.55E-10
4795	437197.7	3762521	1.54E-09	5.26E-09	6.81E-09	2.40E-10	8.60E-10	1.10E-09	1.29E-10	3.99E-10	5.28E-10
4796	437203.7	3762506	1.47E-09	5.00E-09	6.46E-09	2.28E-10	8.17E-10	1.04E-09	1.23E-10	3.79E-10	5.01E-10
4797	437217.1	3762488	1.40E-09	4.76E-09	6.16E-09	2.17E-10	7.78E-10	9.95E-10	1.17E-10	3.61E-10	4.78E-10
4798	437231.8	3762482	1.41E-09	4.80E-09	6.21E-09	2.19E-10	7.84E-10	1.00E-09	1.18E-10	3.64E-10	4.81E-10
4799	437246.4	3762476	1.41E-09	4.82E-09	6.23E-09	2.20E-10	7.88E-10	1.01E-09	1.18E-10	3.65E-10	4.84E-10
4800	437261.1	3762470	1.41E-09	4.82E-09	6.24E-09	2.20E-10	7.88E-10	1.01E-09	1.18E-10	3.66E-10	4.84E-10
4801	437275.7	3762464	1.41E-09	4.81E-09	6.22E-09	2.19E-10	7.86E-10	1.01E-09	1.18E-10	3.65E-10	4.83E-10
4802	437290.4	3762458	1.40E-09	4.78E-09	6.18E-09	2.18E-10	7.80E-10	9.98E-10	1.17E-10	3.62E-10	4.79E-10
4803	437305	3762452	1.39E-09	4.73E-09	6.12E-09	2.15E-10	7.73E-10	9.88E-10	1.16E-10	3.58E-10	4.74E-10
4804	437319.7	3762445	1.37E-09	4.67E-09	6.04E-09	2.13E-10	7.63E-10	9.76E-10	1.15E-10	3.54E-10	4.68E-10
4805	437334.4	3762439	1.35E-09	4.60E-09	5.95E-09	2.10E-10	7.52E-10	9.61E-10	1.13E-10	3.49E-10	4.62E-10
4806	437349	3762433	1.33E-09	4.53E-09	5.85E-09	2.06E-10	7.39E-10	9.46E-10	1.11E-10	3.43E-10	4.54E-10
4807	437363.7	3762427	1.30E-09	4.45E-09	5.75E-09	2.03E-10	7.27E-10	9.29E-10	1.09E-10	3.37E-10	4.46E-10
4808	437378.3	3762421	1.28E-09	4.37E-09	5.65E-09	1.99E-10	7.14E-10	9.13E-10	1.07E-10	3.31E-10	4.38E-10
4809	437134	3762683	2.30E-09	7.84E-09	1.01E-08	3.57E-10	1.28E-09	1.64E-09	1.92E-10	5.94E-10	7.86E-10
4810	437134	3762699	2.42E-09	8.24E-09	1.07E-08	3.75E-10	1.35E-09	1.72E-09	2.02E-10	6.24E-10	8.27E-10
4811	437117	3762668	1.99E-09	6.79E-09	8.78E-09	3.09E-10	1.11E-09	1.42E-09	1.67E-10	5.14E-10	6.81E-10
4812	437123.1	3762653	1.95E-09	6.66E-09	8.61E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.05E-10	6.68E-10
4813	437129.1	3762638	1.91E-09	6.50E-09	8.41E-09	2.96E-10	1.06E-09	1.36E-09	1.60E-10	4.93E-10	6.53E-10
4814	437135.1	3762624	1.86E-09	6.34E-09	8.20E-09	2.89E-10	1.04E-09	1.32E-09	1.56E-10	4.80E-10	6.36E-10
4815	437141.2	3762609	1.81E-09	6.16E-09	7.97E-09	2.81E-10	1.01E-09	1.29E-09	1.51E-10	4.67E-10	6.18E-10

4816	437147.2	3762594	1.75E-09	5.98E-09	7.73E-09	2.72E-10	9.77E-10	1.25E-09	1.47E-10	4.53E-10	6.00E-10
4817	437189.6	3762492	1.31E-09	4.48E-09	5.79E-09	2.04E-10	7.32E-10	9.36E-10	1.10E-10	3.39E-10	4.49E-10
4818	437202.9	3762474	1.26E-09	4.28E-09	5.53E-09	1.95E-10	6.99E-10	8.94E-10	1.05E-10	3.24E-10	4.29E-10
4819	437217.5	3762468	1.26E-09	4.31E-09	5.58E-09	1.97E-10	7.05E-10	9.01E-10	1.06E-10	3.27E-10	4.33E-10
4820	437232.2	3762462	1.27E-09	4.33E-09	5.60E-09	1.97E-10	7.08E-10	9.05E-10	1.06E-10	3.28E-10	4.35E-10
4821	437246.8	3762456	1.27E-09	4.34E-09	5.61E-09	1.98E-10	7.08E-10	9.06E-10	1.06E-10	3.29E-10	4.35E-10
4822	437261.4	3762450	1.27E-09	4.33E-09	5.60E-09	1.97E-10	7.07E-10	9.04E-10	1.06E-10	3.28E-10	4.34E-10
4823	437276	3762444	1.26E-09	4.31E-09	5.57E-09	1.96E-10	7.03E-10	9.00E-10	1.06E-10	3.26E-10	4.32E-10
4824	437290.6	3762438	1.25E-09	4.27E-09	5.52E-09	1.94E-10	6.97E-10	8.92E-10	1.05E-10	3.23E-10	4.28E-10
4825	437305.2	3762431	1.24E-09	4.22E-09	5.45E-09	1.92E-10	6.89E-10	8.81E-10	1.04E-10	3.20E-10	4.23E-10
4826	437319.8	3762425	1.22E-09	4.16E-09	5.38E-09	1.90E-10	6.80E-10	8.69E-10	1.02E-10	3.15E-10	4.17E-10
4827	437334.5	3762419	1.20E-09	4.10E-09	5.30E-09	1.87E-10	6.69E-10	8.56E-10	1.01E-10	3.10E-10	4.11E-10
4828	437349.1	3762413	1.18E-09	4.03E-09	5.21E-09	1.84E-10	6.58E-10	8.42E-10	9.89E-11	3.05E-10	4.04E-10
4829	437363.7	3762407	1.16E-09	3.96E-09	5.12E-09	1.80E-10	6.47E-10	8.27E-10	9.72E-11	3.00E-10	3.97E-10
4830	437378.3	3762401	1.14E-09	3.89E-09	5.03E-09	1.77E-10	6.35E-10	8.13E-10	9.55E-11	2.95E-10	3.90E-10
4831	437114	3762683	2.06E-09	7.01E-09	9.06E-09	3.19E-10	1.15E-09	1.46E-09	1.72E-10	5.31E-10	7.03E-10
4832	437114	3762699	2.15E-09	7.34E-09	9.49E-09	3.34E-10	1.20E-09	1.53E-09	1.80E-10	5.56E-10	7.36E-10
4833	437097	3762668	1.80E-09	6.12E-09	7.92E-09	2.79E-10	1.00E-09	1.28E-09	1.50E-10	4.64E-10	6.14E-10
4834	437103	3762653	1.77E-09	6.03E-09	7.79E-09	2.75E-10	9.84E-10	1.26E-09	1.48E-10	4.57E-10	6.04E-10
4835	437109.1	3762638	1.73E-09	5.90E-09	7.64E-09	2.69E-10	9.65E-10	1.23E-09	1.45E-10	4.47E-10	5.92E-10
4836	437115.1	3762624	1.69E-09	5.77E-09	7.46E-09	2.63E-10	9.42E-10	1.21E-09	1.42E-10	4.37E-10	5.79E-10
4837	437121.1	3762609	1.65E-09	5.62E-09	7.27E-09	2.56E-10	9.18E-10	1.17E-09	1.38E-10	4.26E-10	5.64E-10
4838	437127.2	3762595	1.60E-09	5.47E-09	7.07E-09	2.49E-10	8.93E-10	1.14E-09	1.34E-10	4.14E-10	5.49E-10
4839	437133.2	3762580	1.56E-09	5.31E-09	6.87E-09	2.42E-10	8.68E-10	1.11E-09	1.30E-10	4.02E-10	5.33E-10
4840	437139.2	3762565	1.51E-09	5.15E-09	6.65E-09	2.34E-10	8.41E-10	1.08E-09	1.26E-10	3.90E-10	5.16E-10
4841	437145.3	3762551	1.46E-09	4.97E-09	6.43E-09	2.27E-10	8.12E-10	1.04E-09	1.22E-10	3.77E-10	4.99E-10
4842	437188.7	3762460	1.13E-09	3.87E-09	5.01E-09	1.76E-10	6.32E-10	8.09E-10	9.50E-11	2.93E-10	3.88E-10
4843	437203.3	3762454	1.14E-09	3.90E-09	5.04E-09	1.78E-10	6.37E-10	8.15E-10	9.57E-11	2.96E-10	3.91E-10
4844	437217.9	3762448	1.15E-09	3.92E-09	5.07E-09	1.79E-10	6.40E-10	8.19E-10	9.62E-11	2.97E-10	3.93E-10
4845	437232.5	3762442	1.15E-09	3.93E-09	5.08E-09	1.79E-10	6.41E-10	8.20E-10	9.64E-11	2.97E-10	3.94E-10
4846	437247	3762436	1.15E-09	3.92E-09	5.07E-09	1.78E-10	6.40E-10	8.18E-10	9.61E-11	2.97E-10	3.93E-10
4847	437261.6	3762430	1.14E-09	3.90E-09	5.04E-09	1.78E-10	6.37E-10	8.15E-10	9.57E-11	2.95E-10	3.91E-10
4848	437276.2	3762424	1.13E-09	3.87E-09	5.00E-09	1.76E-10	6.32E-10	8.09E-10	9.50E-11	2.93E-10	3.88E-10
4849	437290.8	3762417	1.12E-09	3.83E-09	4.95E-09	1.74E-10	6.26E-10	8.00E-10	9.40E-11	2.90E-10	3.84E-10
4850	437305.4	3762411	1.11E-09	3.78E-09	4.89E-09	1.72E-10	6.18E-10	7.90E-10	9.28E-11	2.86E-10	3.79E-10
4851	437319.9	3762405	1.09E-09	3.73E-09	4.82E-09	1.70E-10	6.09E-10	7.78E-10	9.14E-11	2.82E-10	3.74E-10
4852	437334.5	3762399	1.08E-09	3.67E-09	4.74E-09	1.67E-10	5.99E-10	7.66E-10	9.00E-11	2.78E-10	3.68E-10
4853	437349.1	3762393	1.06E-09	3.60E-09	4.66E-09	1.64E-10	5.89E-10	7.53E-10	8.85E-11	2.73E-10	3.62E-10
4854	437363.7	3762387	1.04E-09	3.54E-09	4.58E-09	1.61E-10	5.79E-10	7.40E-10	8.70E-11	2.69E-10	3.56E-10
4855	437378.3	3762381	1.02E-09	3.48E-09	4.51E-09	1.59E-10	5.69E-10	7.28E-10	8.55E-11	2.64E-10	3.50E-10
4856	437094	3762683	1.85E-09	6.30E-09	8.15E-09	2.87E-10	1.03E-09	1.32E-09	1.55E-10	4.78E-10	6.32E-10
4857	437094	3762699	1.93E-09	6.58E-09	8.51E-09	3.00E-10	1.07E-09	1.37E-09	1.61E-10	4.98E-10	6.60E-10
4858	437067	3762668	1.55E-09	5.29E-09	6.84E-09	2.41E-10	8.64E-10	1.11E-09	1.30E-10	4.01E-10	5.31E-10
4859	437073	3762653	1.53E-09	5.22E-09	6.75E-09	2.38E-10	8.53E-10	1.09E-09	1.28E-10	3.96E-10	5.24E-10
4860	437079	3762638	1.51E-09	5.14E-09	6.64E-09	2.34E-10	8.39E-10	1.07E-09	1.26E-10	3.89E-10	5.15E-10
4861	437085	3762624	1.48E-09	5.04E-09	6.51E-09	2.30E-10	8.23E-10	1.05E-09	1.24E-10	3.82E-10	5.05E-10
4862	437091	3762609	1.45E-09	4.93E-09	6.38E-09	2.25E-10	8.06E-10	1.03E-09	1.21E-10	3.74E-10	4.95E-10
4863	437097.1	3762595	1.41E-09	4.81E-09	6.23E-09	2.19E-10	7.86E-10	1.01E-09	1.18E-10	3.65E-10	4.83E-10
4864	437103.1	3762580	1.37E-09	4.69E-09	6.06E-09	2.14E-10	7.66E-10	9.79E-10	1.15E-10	3.55E-10	4.70E-10
4865	437109.1	3762566	1.34E-09	4.56E-09	5.90E-09	2.08E-10	7.45E-10	9.53E-10	1.12E-10	3.45E-10	4.57E-10
4866	437115.1	3762551	1.30E-09	4.43E-09	5.73E-09	2.02E-10	7.24E-10	9.25E-10	1.09E-10	3.36E-10	4.44E-10
4867	437121.1	3762537	1.26E-09	4.29E-09	5.55E-09	1.96E-10	7.01E-10	8.97E-10	1.05E-10	3.25E-10	4.31E-10
4868	437127.1	3762522	1.22E-09	4.15E-09	5.37E-09	1.89E-10	6.78E-10	8.68E-10	1.02E-10	3.15E-10	4.17E-10
4869	437133.1	3762507	1.18E-09	4.01E-09	5.18E-09	1.83E-10	6.55E-10	8.37E-10	9.84E-11	3.04E-10	4.02E-10
4870	437139.1	3762493	1.13E-09	3.86E-09	4.99E-09	1.76E-10	6.31E-10	8.07E-10	9.48E-11	2.93E-10	3.87E-10
4871	437182	3762433	9.94E-10	3.39E-09	4.38E-09	1.54E-10	5.54E-10	7.08E-10	8.32E-11	2.57E-10	3.40E-10
4872	437196.5	3762427	9.99E-10	3.41E-09	4.41E-09	1.55E-10	5.57E-10	7.12E-10	8.36E-11	2.58E-10	3.42E-10
4873	437211.1	3762421	1.00E-09	3.41E-09	4.42E-09	1.56E-10	5.58E-10	7.13E-10	8.38E-11	2.59E-10	3.43E-10
4874	437225.6	3762415	1.00E-09	3.41E-09	4.41E-09	1.55E-10	5.57E-10	7.12E-10	8.37E-11	2.58E-10	3.42E-10
4875	437240.1	3762409	9.95E-10	3.39E-09	4.39E-09	1.55E-10	5.54E-10	7.09E-10	8.33E-11	2.57E-10	3.40E-10
4876	437254.7	3762403	9.88E-10	3.37E-09	4.36E-09	1.54E-10	5.50E-10	7.04E-10	8.27E-11	2.55E-10	3.38E-10

4877	437269.2	3762396	9.79E-10	3.34E-09	4.32E-09	1.52E-10	5.45E-10	6.98E-10	8.20E-11	2.53E-10	3.35E-10
4878	437283.7	3762390	9.68E-10	3.30E-09	4.27E-09	1.50E-10	5.39E-10	6.90E-10	8.10E-11	2.50E-10	3.31E-10
4879	437298.3	3762384	9.56E-10	3.26E-09	4.21E-09	1.48E-10	5.32E-10	6.81E-10	8.00E-11	2.47E-10	3.27E-10
4880	437312.8	3762378	9.42E-10	3.21E-09	4.15E-09	1.46E-10	5.25E-10	6.71E-10	7.88E-11	2.43E-10	3.22E-10
4881	437327.3	3762372	9.27E-10	3.16E-09	4.09E-09	1.44E-10	5.16E-10	6.60E-10	7.76E-11	2.39E-10	3.17E-10
4882	437341.9	3762366	9.11E-10	3.11E-09	4.02E-09	1.42E-10	5.08E-10	6.49E-10	7.63E-11	2.36E-10	3.12E-10
4883	437356.4	3762360	8.97E-10	3.06E-09	3.95E-09	1.39E-10	4.99E-10	6.39E-10	7.50E-11	2.32E-10	3.07E-10
4884	437370.9	3762354	8.82E-10	3.01E-09	3.89E-09	1.37E-10	4.91E-10	6.28E-10	7.38E-11	2.28E-10	3.02E-10
4885	437064	3762683	1.59E-09	5.43E-09	7.02E-09	2.47E-10	8.86E-10	1.13E-09	1.33E-10	4.11E-10	5.44E-10
4886	437064	3762699	1.65E-09	5.63E-09	7.28E-09	2.57E-10	9.20E-10	1.18E-09	1.38E-10	4.27E-10	5.65E-10
4887	437037	3762668	1.35E-09	4.62E-09	5.97E-09	2.10E-10	7.54E-10	9.65E-10	1.13E-10	3.50E-10	4.63E-10
4888	437043	3762653	1.34E-09	4.57E-09	5.91E-09	2.08E-10	7.46E-10	9.54E-10	1.12E-10	3.46E-10	4.58E-10
4889	437049	3762639	1.32E-09	4.50E-09	5.83E-09	2.05E-10	7.36E-10	9.41E-10	1.11E-10	3.41E-10	4.52E-10
4890	437055	3762624	1.30E-09	4.43E-09	5.73E-09	2.02E-10	7.24E-10	9.26E-10	1.09E-10	3.36E-10	4.44E-10
4891	437061	3762610	1.28E-09	4.35E-09	5.62E-09	1.98E-10	7.10E-10	9.08E-10	1.07E-10	3.29E-10	4.36E-10
4892	437067	3762595	1.25E-09	4.26E-09	5.50E-09	1.94E-10	6.95E-10	8.89E-10	1.04E-10	3.22E-10	4.27E-10
4893	437073	3762580	1.22E-09	4.15E-09	5.37E-09	1.89E-10	6.78E-10	8.68E-10	1.02E-10	3.15E-10	4.17E-10
4894	437079	3762566	1.19E-09	4.05E-09	5.24E-09	1.85E-10	6.62E-10	8.46E-10	9.94E-11	3.07E-10	4.06E-10
4895	437085	3762551	1.16E-09	3.95E-09	5.11E-09	1.80E-10	6.45E-10	8.25E-10	9.70E-11	2.99E-10	3.96E-10
4896	437091	3762537	1.13E-09	3.85E-09	4.98E-09	1.75E-10	6.29E-10	8.04E-10	9.45E-11	2.92E-10	3.86E-10
4897	437097	3762522	1.10E-09	3.74E-09	4.84E-09	1.71E-10	6.11E-10	7.82E-10	9.19E-11	2.84E-10	3.75E-10
4898	437103	3762508	1.06E-09	3.63E-09	4.70E-09	1.65E-10	5.93E-10	7.59E-10	8.91E-11	2.75E-10	3.64E-10
4899	437109	3762493	1.03E-09	3.52E-09	4.55E-09	1.60E-10	5.75E-10	7.35E-10	8.64E-11	2.67E-10	3.53E-10
4900	437126.9	3762450	9.31E-10	3.17E-09	4.11E-09	1.45E-10	5.19E-10	6.63E-10	7.79E-11	2.41E-10	3.18E-10
4901	437132.9	3762435	8.97E-10	3.06E-09	3.95E-09	1.39E-10	4.99E-10	6.39E-10	7.50E-11	2.32E-10	3.07E-10
4902	437146.2	3762418	8.66E-10	2.95E-09	3.82E-09	1.34E-10	4.82E-10	6.17E-10	7.24E-11	2.24E-10	2.96E-10
4903	437189.7	3762400	8.77E-10	2.99E-09	3.87E-09	1.36E-10	4.89E-10	6.25E-10	7.34E-11	2.27E-10	3.00E-10
4904	437204.2	3762394	8.76E-10	2.99E-09	3.86E-09	1.36E-10	4.88E-10	6.24E-10	7.34E-11	2.26E-10	3.00E-10
4905	437218.7	3762387	8.73E-10	2.98E-09	3.85E-09	1.36E-10	4.87E-10	6.22E-10	7.31E-11	2.26E-10	2.99E-10
4906	437233.2	3762381	8.68E-10	2.96E-09	3.83E-09	1.35E-10	4.84E-10	6.19E-10	7.27E-11	2.24E-10	2.97E-10
4907	437247.7	3762375	8.61E-10	2.94E-09	3.80E-09	1.34E-10	4.80E-10	6.14E-10	7.21E-11	2.23E-10	2.95E-10
4908	437262.1	3762369	8.53E-10	2.91E-09	3.76E-09	1.33E-10	4.75E-10	6.08E-10	7.14E-11	2.20E-10	2.92E-10
4909	437276.6	3762363	8.43E-10	2.87E-09	3.72E-09	1.31E-10	4.70E-10	6.01E-10	7.06E-11	2.18E-10	2.88E-10
4910	437291.1	3762357	8.32E-10	2.84E-09	3.67E-09	1.29E-10	4.63E-10	5.92E-10	6.96E-11	2.15E-10	2.84E-10
4911	437305.6	3762351	8.19E-10	2.79E-09	3.61E-09	1.27E-10	4.56E-10	5.84E-10	6.86E-11	2.12E-10	2.80E-10
4912	437320.1	3762345	8.07E-10	2.75E-09	3.56E-09	1.25E-10	4.49E-10	5.75E-10	6.75E-11	2.08E-10	2.76E-10
4913	437334.6	3762339	7.94E-10	2.71E-09	3.50E-09	1.23E-10	4.42E-10	5.65E-10	6.64E-11	2.05E-10	2.72E-10
4914	437349.1	3762333	7.81E-10	2.66E-09	3.44E-09	1.21E-10	4.35E-10	5.56E-10	6.54E-11	2.02E-10	2.67E-10
4915	437363.6	3762327	7.69E-10	2.62E-09	3.39E-09	1.19E-10	4.28E-10	5.48E-10	6.44E-11	1.99E-10	2.63E-10
4916	437378.1	3762321	7.57E-10	2.58E-09	3.34E-09	1.18E-10	4.22E-10	5.39E-10	6.34E-11	1.96E-10	2.59E-10
4917	437034	3762683	1.38E-09	4.72E-09	6.11E-09	2.15E-10	7.71E-10	9.86E-10	1.16E-10	3.58E-10	4.74E-10
4918	437034	3762699	1.43E-09	4.88E-09	6.31E-09	2.22E-10	7.97E-10	1.02E-09	1.20E-10	3.70E-10	4.90E-10
4919	437007	3762668	1.19E-09	4.07E-09	5.26E-09	1.85E-10	6.64E-10	8.49E-10	9.98E-11	3.08E-10	4.08E-10
4920	437013	3762653	1.18E-09	4.03E-09	5.21E-09	1.84E-10	6.58E-10	8.42E-10	9.89E-11	3.05E-10	4.04E-10
4921	437018.9	3762639	1.17E-09	3.98E-09	5.15E-09	1.81E-10	6.50E-10	8.32E-10	9.77E-11	3.02E-10	3.99E-10
4922	437024.9	3762624	1.15E-09	3.92E-09	5.07E-09	1.79E-10	6.41E-10	8.20E-10	9.63E-11	2.97E-10	3.94E-10
4923	437030.9	3762610	1.13E-09	3.86E-09	4.99E-09	1.76E-10	6.31E-10	8.07E-10	9.48E-11	2.93E-10	3.87E-10
4924	437036.9	3762595	1.11E-09	3.79E-09	4.90E-09	1.73E-10	6.19E-10	7.92E-10	9.30E-11	2.87E-10	3.80E-10
4925	437042.9	3762581	1.09E-09	3.70E-09	4.79E-09	1.69E-10	6.04E-10	7.73E-10	9.08E-11	2.80E-10	3.71E-10
4926	437048.9	3762566	1.06E-09	3.61E-09	4.67E-09	1.65E-10	5.90E-10	7.55E-10	8.87E-11	2.74E-10	3.62E-10
4927	437054.9	3762552	1.04E-09	3.53E-09	4.57E-09	1.61E-10	5.77E-10	7.38E-10	8.67E-11	2.68E-10	3.55E-10
4928	437060.8	3762537	1.01E-09	3.45E-09	4.46E-09	1.57E-10	5.64E-10	7.21E-10	8.47E-11	2.62E-10	3.46E-10
4929	437066.8	3762523	9.89E-10	3.37E-09	4.36E-09	1.54E-10	5.51E-10	7.05E-10	8.28E-11	2.56E-10	3.38E-10
4930	437072.8	3762508	9.65E-10	3.29E-09	4.26E-09	1.50E-10	5.38E-10	6.88E-10	8.08E-11	2.49E-10	3.30E-10
4931	437078.8	3762494	9.39E-10	3.20E-09	4.14E-09	1.46E-10	5.23E-10	6.69E-10	7.86E-11	2.43E-10	3.21E-10
4932	437096.7	3762450	8.59E-10	2.93E-09	3.79E-09	1.33E-10	4.78E-10	6.12E-10	7.19E-11	2.22E-10	2.94E-10
4933	437102.7	3762436	8.32E-10	2.84E-09	3.67E-09	1.29E-10	4.64E-10	5.93E-10	6.97E-11	2.15E-10	2.85E-10
4934	437108.7	3762421	8.04E-10	2.74E-09	3.55E-09	1.25E-10	4.48E-10	5.73E-10	6.73E-11	2.08E-10	2.75E-10
4935	437114.7	3762407	7.76E-10	2.64E-09	3.42E-09	1.20E-10	4.32E-10	5.53E-10	6.49E-11	2.00E-10	2.65E-10
4936	437124.9	3762397	7.64E-10	2.61E-09	3.37E-09	1.19E-10	4.26E-10	5.45E-10	6.40E-11	1.97E-10	2.61E-10
4937	437139.4	3762391	7.70E-10	2.62E-09	3.39E-09	1.20E-10	4.29E-10	5.48E-10	6.44E-11	1.99E-10	2.63E-10

4938	437182.8	3762372	7.75E-10	2.64E-09	3.42E-09	1.20E-10	4.32E-10	5.52E-10	6.49E-11	2.00E-10	2.65E-10
4939	437197.2	3762366	7.73E-10	2.64E-09	3.41E-09	1.20E-10	4.31E-10	5.51E-10	6.47E-11	2.00E-10	2.65E-10
4940	437211.7	3762360	7.68E-10	2.62E-09	3.39E-09	1.19E-10	4.28E-10	5.47E-10	6.43E-11	1.98E-10	2.63E-10
4941	437226.2	3762354	7.63E-10	2.60E-09	3.37E-09	1.19E-10	4.25E-10	5.44E-10	6.39E-11	1.97E-10	2.61E-10
4942	437240.6	3762348	7.57E-10	2.58E-09	3.34E-09	1.18E-10	4.22E-10	5.39E-10	6.34E-11	1.96E-10	2.59E-10
4943	437255.1	3762342	7.49E-10	2.55E-09	3.30E-09	1.16E-10	4.17E-10	5.34E-10	6.27E-11	1.94E-10	2.56E-10
4944	437269.5	3762336	7.40E-10	2.52E-09	3.26E-09	1.15E-10	4.12E-10	5.27E-10	6.19E-11	1.91E-10	2.53E-10
4945	437284	3762330	7.30E-10	2.49E-09	3.22E-09	1.13E-10	4.07E-10	5.20E-10	6.11E-11	1.89E-10	2.50E-10
4946	437298.5	3762324	7.19E-10	2.45E-09	3.17E-09	1.12E-10	4.01E-10	5.13E-10	6.02E-11	1.86E-10	2.46E-10
4947	437312.9	3762318	7.09E-10	2.42E-09	3.12E-09	1.10E-10	3.95E-10	5.05E-10	5.93E-11	1.83E-10	2.42E-10
4948	437327.4	3762312	6.98E-10	2.38E-09	3.08E-09	1.08E-10	3.89E-10	4.97E-10	5.84E-11	1.80E-10	2.39E-10
4949	437341.9	3762306	6.87E-10	2.34E-09	3.03E-09	1.07E-10	3.83E-10	4.89E-10	5.75E-11	1.77E-10	2.35E-10
4950	437356.3	3762300	6.77E-10	2.31E-09	2.98E-09	1.05E-10	3.77E-10	4.82E-10	5.66E-11	1.75E-10	2.31E-10
4951	437370.8	3762294	6.67E-10	2.27E-09	2.94E-09	1.04E-10	3.71E-10	4.75E-10	5.58E-11	1.72E-10	2.28E-10
4952	437004	3762683	1.22E-09	4.14E-09	5.36E-09	1.89E-10	6.77E-10	8.66E-10	1.02E-10	3.14E-10	4.16E-10
4953	437004	3762699	1.25E-09	4.27E-09	5.52E-09	1.95E-10	6.98E-10	8.92E-10	1.05E-10	3.24E-10	4.28E-10
4954	436977	3762668	1.06E-09	3.61E-09	4.67E-09	1.64E-10	5.90E-10	7.54E-10	8.86E-11	2.73E-10	3.62E-10
4955	436982.9	3762653	1.05E-09	3.58E-09	4.63E-09	1.63E-10	5.85E-10	7.48E-10	8.79E-11	2.71E-10	3.59E-10
4956	436988.9	3762639	1.04E-09	3.55E-09	4.59E-09	1.62E-10	5.79E-10	7.41E-10	8.70E-11	2.69E-10	3.56E-10
4957	436994.9	3762624	1.03E-09	3.50E-09	4.53E-09	1.60E-10	5.72E-10	7.31E-10	8.59E-11	2.65E-10	3.51E-10
4958	437000.9	3762610	1.01E-09	3.45E-09	4.46E-09	1.57E-10	5.64E-10	7.21E-10	8.47E-11	2.61E-10	3.46E-10
4959	437006.8	3762595	9.95E-10	3.39E-09	4.39E-09	1.55E-10	5.54E-10	7.09E-10	8.33E-11	2.57E-10	3.40E-10
4960	437012.8	3762581	9.76E-10	3.33E-09	4.30E-09	1.52E-10	5.43E-10	6.95E-10	8.17E-11	2.52E-10	3.34E-10
4961	437018.8	3762566	9.55E-10	3.26E-09	4.21E-09	1.48E-10	5.32E-10	6.80E-10	7.99E-11	2.47E-10	3.27E-10
4962	437024.8	3762552	9.34E-10	3.19E-09	4.12E-09	1.45E-10	5.21E-10	6.66E-10	7.82E-11	2.41E-10	3.20E-10
4963	437030.7	3762537	9.14E-10	3.12E-09	4.03E-09	1.42E-10	5.09E-10	6.51E-10	7.65E-11	2.36E-10	3.13E-10
4964	437036.7	3762523	8.95E-10	3.05E-09	3.94E-09	1.39E-10	4.98E-10	6.37E-10	7.49E-11	2.31E-10	3.06E-10
4965	437042.7	3762509	8.75E-10	2.98E-09	3.86E-09	1.36E-10	4.87E-10	6.23E-10	7.32E-11	2.26E-10	2.99E-10
4966	437048.6	3762494	8.54E-10	2.91E-09	3.77E-09	1.33E-10	4.76E-10	6.09E-10	7.15E-11	2.21E-10	2.92E-10
4967	437066.6	3762451	7.90E-10	2.69E-09	3.48E-09	1.23E-10	4.40E-10	5.63E-10	6.61E-11	2.04E-10	2.70E-10
4968	437072.5	3762436	7.69E-10	2.62E-09	3.39E-09	1.20E-10	4.28E-10	5.48E-10	6.44E-11	1.99E-10	2.63E-10
4969	437078.5	3762422	7.48E-10	2.55E-09	3.30E-09	1.16E-10	4.16E-10	5.33E-10	6.26E-11	1.93E-10	2.56E-10
4970	437084.5	3762407	7.25E-10	2.47E-09	3.20E-09	1.13E-10	4.04E-10	5.16E-10	6.07E-11	1.87E-10	2.48E-10
4971	437090.5	3762393	7.01E-10	2.39E-09	3.09E-09	1.09E-10	3.91E-10	4.99E-10	5.87E-11	1.81E-10	2.40E-10
4972	437103.6	3762375	6.80E-10	2.32E-09	3.00E-09	1.06E-10	3.79E-10	4.85E-10	5.70E-11	1.76E-10	2.33E-10
4973	437118.1	3762369	6.85E-10	2.34E-09	3.02E-09	1.07E-10	3.82E-10	4.88E-10	5.74E-11	1.77E-10	2.34E-10
4974	437132.5	3762363	6.87E-10	2.34E-09	3.03E-09	1.07E-10	3.83E-10	4.89E-10	5.75E-11	1.77E-10	2.35E-10
4975	437147	3762357	6.89E-10	2.35E-09	3.04E-09	1.07E-10	3.84E-10	4.91E-10	5.76E-11	1.78E-10	2.36E-10
4976	437190.3	3762339	6.85E-10	2.34E-09	3.02E-09	1.06E-10	3.82E-10	4.88E-10	5.73E-11	1.77E-10	2.34E-10
4977	437204.7	3762333	6.81E-10	2.32E-09	3.01E-09	1.06E-10	3.80E-10	4.85E-10	5.70E-11	1.76E-10	2.33E-10
4978	437219.1	3762327	6.76E-10	2.31E-09	2.98E-09	1.05E-10	3.77E-10	4.82E-10	5.66E-11	1.75E-10	2.31E-10
4979	437233.6	3762321	6.70E-10	2.29E-09	2.96E-09	1.04E-10	3.73E-10	4.77E-10	5.61E-11	1.73E-10	2.29E-10
4980	437248	3762315	6.63E-10	2.26E-09	2.92E-09	1.03E-10	3.69E-10	4.72E-10	5.55E-11	1.71E-10	2.27E-10
4981	437262.4	3762309	6.55E-10	2.23E-09	2.89E-09	1.02E-10	3.65E-10	4.66E-10	5.48E-11	1.69E-10	2.24E-10
4982	437276.9	3762303	6.46E-10	2.20E-09	2.85E-09	1.00E-10	3.60E-10	4.60E-10	5.41E-11	1.67E-10	2.21E-10
4983	437291.3	3762297	6.37E-10	2.17E-09	2.81E-09	9.90E-11	3.55E-10	4.54E-10	5.33E-11	1.65E-10	2.18E-10
4984	437305.8	3762291	6.27E-10	2.14E-09	2.77E-09	9.75E-11	3.50E-10	4.47E-10	5.25E-11	1.62E-10	2.15E-10
4985	437320.2	3762285	6.18E-10	2.11E-09	2.73E-09	9.60E-11	3.44E-10	4.40E-10	5.17E-11	1.60E-10	2.11E-10
4986	437334.6	3762279	6.09E-10	2.08E-09	2.69E-09	9.46E-11	3.39E-10	4.34E-10	5.10E-11	1.57E-10	2.08E-10
4987	437349.1	3762273	6.00E-10	2.05E-09	2.65E-09	9.33E-11	3.34E-10	4.28E-10	5.03E-11	1.55E-10	2.05E-10
4988	437363.5	3762267	5.92E-10	2.02E-09	2.61E-09	9.20E-11	3.30E-10	4.22E-10	4.96E-11	1.53E-10	2.03E-10
4989	437377.9	3762261	5.84E-10	1.99E-09	2.58E-09	9.08E-11	3.26E-10	4.16E-10	4.89E-11	1.51E-10	2.00E-10
4990	436974	3762683	1.08E-09	3.67E-09	4.75E-09	1.67E-10	6.00E-10	7.67E-10	9.01E-11	2.78E-10	3.68E-10
4991	436974	3762699	1.11E-09	3.77E-09	4.88E-09	1.72E-10	6.16E-10	7.88E-10	9.25E-11	2.86E-10	3.78E-10
4992	436947	3762668	9.46E-10	3.23E-09	4.17E-09	1.47E-10	5.27E-10	6.74E-10	7.92E-11	2.44E-10	3.24E-10
4993	436952.9	3762653	9.41E-10	3.21E-09	4.15E-09	1.46E-10	5.24E-10	6.70E-10	7.87E-11	2.43E-10	3.22E-10
4994	436958.9	3762639	9.33E-10	3.18E-09	4.11E-09	1.45E-10	5.20E-10	6.64E-10	7.81E-11	2.41E-10	3.19E-10
4995	436964.9	3762624	9.23E-10	3.15E-09	4.07E-09	1.43E-10	5.14E-10	6.57E-10	7.72E-11	2.38E-10	3.16E-10
4996	436970.8	3762610	9.11E-10	3.11E-09	4.02E-09	1.41E-10	5.07E-10	6.49E-10	7.62E-11	2.35E-10	3.12E-10
4997	436976.8	3762595	8.97E-10	3.06E-09	3.96E-09	1.39E-10	5.00E-10	6.39E-10	7.51E-11	2.32E-10	3.07E-10
4998	436982.7	3762581	8.82E-10	3.01E-09	3.89E-09	1.37E-10	4.91E-10	6.29E-10	7.38E-11	2.28E-10	3.02E-10

4999	436988.7	3762567	8.66E-10	2.95E-09	3.82E-09	1.35E-10	4.82E-10	6.17E-10	7.25E-11	2.24E-10	2.96E-10
5000	436994.7	3762552	8.49E-10	2.89E-09	3.74E-09	1.32E-10	4.73E-10	6.05E-10	7.11E-11	2.19E-10	2.90E-10
5001	437000.6	3762538	8.31E-10	2.83E-09	3.67E-09	1.29E-10	4.63E-10	5.92E-10	6.96E-11	2.15E-10	2.84E-10
5002	437006.6	3762523	8.14E-10	2.78E-09	3.59E-09	1.27E-10	4.54E-10	5.80E-10	6.82E-11	2.10E-10	2.79E-10
5003	437012.6	3762509	7.97E-10	2.72E-09	3.52E-09	1.24E-10	4.44E-10	5.68E-10	6.67E-11	2.06E-10	2.73E-10
5004	437018.5	3762494	7.80E-10	2.66E-09	3.44E-09	1.21E-10	4.35E-10	5.56E-10	6.53E-11	2.02E-10	2.67E-10
5005	437036.4	3762451	7.27E-10	2.48E-09	3.21E-09	1.13E-10	4.05E-10	5.18E-10	6.08E-11	1.88E-10	2.49E-10
5006	437042.4	3762437	7.11E-10	2.42E-09	3.13E-09	1.10E-10	3.96E-10	5.06E-10	5.95E-11	1.84E-10	2.43E-10
5007	437048.3	3762422	6.94E-10	2.37E-09	3.06E-09	1.08E-10	3.86E-10	4.94E-10	5.81E-11	1.79E-10	2.37E-10
5008	437054.3	3762408	6.76E-10	2.30E-09	2.98E-09	1.05E-10	3.76E-10	4.81E-10	5.65E-11	1.75E-10	2.31E-10
5009	437060.3	3762393	6.57E-10	2.24E-09	2.90E-09	1.02E-10	3.66E-10	4.68E-10	5.50E-11	1.70E-10	2.25E-10
5010	437066.2	3762379	6.37E-10	2.17E-09	2.81E-09	9.90E-11	3.55E-10	4.54E-10	5.33E-11	1.65E-10	2.18E-10
5011	437072.2	3762364	6.16E-10	2.10E-09	2.72E-09	9.58E-11	3.43E-10	4.39E-10	5.16E-11	1.59E-10	2.11E-10
5012	437082.4	3762354	6.08E-10	2.07E-09	2.68E-09	9.45E-11	3.39E-10	4.33E-10	5.09E-11	1.57E-10	2.08E-10
5013	437096.8	3762348	6.12E-10	2.09E-09	2.70E-09	9.50E-11	3.41E-10	4.36E-10	5.12E-11	1.58E-10	2.09E-10
5014	437111.2	3762342	6.13E-10	2.09E-09	2.70E-09	9.53E-11	3.42E-10	4.37E-10	5.13E-11	1.58E-10	2.10E-10
5015	437125.6	3762336	6.13E-10	2.09E-09	2.71E-09	9.53E-11	3.42E-10	4.37E-10	5.13E-11	1.59E-10	2.10E-10
5016	437140	3762330	6.14E-10	2.09E-09	2.71E-09	9.54E-11	3.42E-10	4.38E-10	5.14E-11	1.59E-10	2.10E-10
5017	437183.3	3762312	6.12E-10	2.09E-09	2.70E-09	9.51E-11	3.41E-10	4.36E-10	5.13E-11	1.58E-10	2.09E-10
5018	437197.7	3762306	6.09E-10	2.08E-09	2.68E-09	9.46E-11	3.39E-10	4.34E-10	5.10E-11	1.57E-10	2.08E-10
5019	437212.1	3762300	6.04E-10	2.06E-09	2.66E-09	9.38E-11	3.36E-10	4.30E-10	5.05E-11	1.56E-10	2.07E-10
5020	437226.5	3762294	5.98E-10	2.04E-09	2.64E-09	9.29E-11	3.33E-10	4.26E-10	5.00E-11	1.54E-10	2.05E-10
5021	437240.9	3762288	5.91E-10	2.02E-09	2.61E-09	9.18E-11	3.29E-10	4.21E-10	4.95E-11	1.53E-10	2.02E-10
5022	437255.3	3762282	5.83E-10	1.99E-09	2.57E-09	9.07E-11	3.25E-10	4.16E-10	4.88E-11	1.51E-10	2.00E-10
5023	437269.7	3762276	5.76E-10	1.96E-09	2.54E-09	8.95E-11	3.21E-10	4.10E-10	4.82E-11	1.49E-10	1.97E-10
5024	437284.2	3762270	5.68E-10	1.94E-09	2.50E-09	8.82E-11	3.16E-10	4.04E-10	4.75E-11	1.47E-10	1.94E-10
5025	437298.6	3762264	5.60E-10	1.91E-09	2.47E-09	8.70E-11	3.12E-10	3.99E-10	4.69E-11	1.45E-10	1.91E-10
5026	437313	3762258	5.52E-10	1.88E-09	2.43E-09	8.58E-11	3.07E-10	3.93E-10	4.62E-11	1.43E-10	1.89E-10
5027	437327.4	3762252	5.44E-10	1.86E-09	2.40E-09	8.45E-11	3.03E-10	3.88E-10	4.55E-11	1.41E-10	1.86E-10
5028	437341.8	3762246	5.37E-10	1.83E-09	2.37E-09	8.34E-11	2.99E-10	3.82E-10	4.49E-11	1.39E-10	1.84E-10
5029	437356.2	3762240	5.30E-10	1.81E-09	2.34E-09	8.23E-11	2.95E-10	3.77E-10	4.43E-11	1.37E-10	1.81E-10
5030	437370.6	3762234	5.23E-10	1.78E-09	2.31E-09	8.13E-11	2.91E-10	3.73E-10	4.38E-11	1.35E-10	1.79E-10
5031	436944	3762683	9.60E-10	3.27E-09	4.23E-09	1.49E-10	5.35E-10	6.84E-10	8.04E-11	2.48E-10	3.28E-10
5032	436944	3762699	9.83E-10	3.35E-09	4.34E-09	1.53E-10	5.48E-10	7.00E-10	8.23E-11	2.54E-10	3.36E-10
5033	436917	3762668	8.50E-10	2.90E-09	3.75E-09	1.32E-10	4.74E-10	6.06E-10	7.12E-11	2.20E-10	2.91E-10
5034	436922.9	3762653	8.47E-10	2.89E-09	3.73E-09	1.32E-10	4.72E-10	6.03E-10	7.09E-11	2.19E-10	2.90E-10
5035	436928.9	3762639	8.41E-10	2.87E-09	3.71E-09	1.31E-10	4.68E-10	5.99E-10	7.04E-11	2.17E-10	2.88E-10
5036	436934.8	3762624	8.33E-10	2.84E-09	3.67E-09	1.29E-10	4.64E-10	5.93E-10	6.97E-11	2.15E-10	2.85E-10
5037	436940.8	3762610	8.24E-10	2.81E-09	3.63E-09	1.28E-10	4.59E-10	5.87E-10	6.89E-11	2.13E-10	2.82E-10
5038	436946.7	3762596	8.13E-10	2.77E-09	3.58E-09	1.26E-10	4.53E-10	5.79E-10	6.80E-11	2.10E-10	2.78E-10
5039	436952.7	3762581	8.01E-10	2.73E-09	3.53E-09	1.24E-10	4.46E-10	5.71E-10	6.70E-11	2.07E-10	2.74E-10
5040	436958.6	3762567	7.88E-10	2.69E-09	3.47E-09	1.22E-10	4.39E-10	5.61E-10	6.59E-11	2.04E-10	2.69E-10
5041	436964.6	3762552	7.74E-10	2.64E-09	3.41E-09	1.20E-10	4.31E-10	5.52E-10	6.48E-11	2.00E-10	2.65E-10
5042	436970.6	3762538	7.60E-10	2.59E-09	3.35E-09	1.18E-10	4.23E-10	5.41E-10	6.36E-11	1.96E-10	2.60E-10
5043	436976.5	3762523	7.46E-10	2.54E-09	3.29E-09	1.16E-10	4.16E-10	5.31E-10	6.24E-11	1.93E-10	2.55E-10
5044	436982.5	3762509	7.32E-10	2.50E-09	3.23E-09	1.14E-10	4.08E-10	5.21E-10	6.13E-11	1.89E-10	2.50E-10
5045	436988.4	3762495	7.16E-10	2.44E-09	3.16E-09	1.11E-10	3.99E-10	5.10E-10	6.00E-11	1.85E-10	2.45E-10
5046	437006.3	3762451	6.73E-10	2.29E-09	2.97E-09	1.05E-10	3.75E-10	4.79E-10	5.63E-11	1.74E-10	2.30E-10
5047	437012.2	3762437	6.59E-10	2.25E-09	2.91E-09	1.02E-10	3.67E-10	4.70E-10	5.52E-11	1.70E-10	2.25E-10
5048	437018.2	3762423	6.45E-10	2.20E-09	2.84E-09	1.00E-10	3.59E-10	4.60E-10	5.40E-11	1.67E-10	2.21E-10
5049	437024.1	3762408	6.30E-10	2.15E-09	2.78E-09	9.79E-11	3.51E-10	4.49E-10	5.27E-11	1.63E-10	2.16E-10
5050	437030.1	3762394	6.15E-10	2.10E-09	2.71E-09	9.55E-11	3.42E-10	4.38E-10	5.14E-11	1.59E-10	2.10E-10
5051	437036.1	3762379	5.98E-10	2.04E-09	2.64E-09	9.29E-11	3.33E-10	4.26E-10	5.01E-11	1.55E-10	2.05E-10
5052	437042	3762365	5.81E-10	1.98E-09	2.56E-09	9.03E-11	3.24E-10	4.14E-10	4.86E-11	1.50E-10	1.99E-10
5053	437048	3762351	5.64E-10	1.92E-09	2.49E-09	8.76E-11	3.14E-10	4.02E-10	4.72E-11	1.46E-10	1.93E-10
5054	437061.1	3762333	5.48E-10	1.87E-09	2.41E-09	8.51E-11	3.05E-10	3.90E-10	4.58E-11	1.41E-10	1.87E-10
5055	437075.5	3762327	5.50E-10	1.88E-09	2.43E-09	8.55E-11	3.07E-10	3.92E-10	4.61E-11	1.42E-10	1.88E-10
5056	437089.9	3762321	5.53E-10	1.88E-09	2.44E-09	8.59E-11	3.08E-10	3.94E-10	4.63E-11	1.43E-10	1.89E-10
5057	437104.3	3762315	5.54E-10	1.89E-09	2.44E-09	8.61E-11	3.09E-10	3.95E-10	4.64E-11	1.43E-10	1.89E-10
5058	437118.7	3762309	5.54E-10	1.89E-09	2.45E-09	8.61E-11	3.09E-10	3.95E-10	4.64E-11	1.43E-10	1.90E-10
5059	437133.1	3762303	5.55E-10	1.89E-09	2.45E-09	8.62E-11	3.09E-10	3.95E-10	4.64E-11	1.43E-10	1.90E-10

5060	437147.5	3762297	5.55E-10	1.89E-09	2.45E-09	8.62E-11	3.09E-10	3.95E-10	4.64E-11	1.43E-10	1.90E-10
5061	437190.6	3762279	5.47E-10	1.87E-09	2.41E-09	8.50E-11	3.05E-10	3.90E-10	4.58E-11	1.41E-10	1.87E-10
5062	437205	3762273	5.42E-10	1.85E-09	2.39E-09	8.42E-11	3.02E-10	3.86E-10	4.54E-11	1.40E-10	1.85E-10
5063	437219.4	3762267	5.37E-10	1.83E-09	2.37E-09	8.34E-11	2.99E-10	3.82E-10	4.49E-11	1.39E-10	1.84E-10
5064	437233.8	3762261	5.30E-10	1.81E-09	2.34E-09	8.24E-11	2.95E-10	3.78E-10	4.44E-11	1.37E-10	1.81E-10
5065	437248.2	3762255	5.23E-10	1.78E-09	2.31E-09	8.13E-11	2.92E-10	3.73E-10	4.38E-11	1.35E-10	1.79E-10
5066	437262.6	3762249	5.17E-10	1.76E-09	2.28E-09	8.03E-11	2.88E-10	3.68E-10	4.32E-11	1.33E-10	1.77E-10
5067	437277	3762243	5.10E-10	1.74E-09	2.25E-09	7.92E-11	2.84E-10	3.63E-10	4.27E-11	1.32E-10	1.74E-10
5068	437291.4	3762237	5.03E-10	1.71E-09	2.22E-09	7.81E-11	2.80E-10	3.58E-10	4.21E-11	1.30E-10	1.72E-10
5069	437305.8	3762231	4.96E-10	1.69E-09	2.19E-09	7.71E-11	2.76E-10	3.53E-10	4.15E-11	1.28E-10	1.70E-10
5070	437320.2	3762225	4.90E-10	1.67E-09	2.16E-09	7.61E-11	2.73E-10	3.49E-10	4.10E-11	1.26E-10	1.67E-10
5071	437334.6	3762219	4.83E-10	1.65E-09	2.13E-09	7.51E-11	2.69E-10	3.44E-10	4.04E-11	1.25E-10	1.65E-10
5072	437349	3762213	4.77E-10	1.63E-09	2.10E-09	7.41E-11	2.66E-10	3.40E-10	3.99E-11	1.23E-10	1.63E-10
5073	437363.4	3762207	4.71E-10	1.61E-09	2.08E-09	7.33E-11	2.63E-10	3.36E-10	3.95E-11	1.22E-10	1.61E-10
5074	437377.7	3762201	4.66E-10	1.59E-09	2.06E-09	7.24E-11	2.60E-10	3.32E-10	3.90E-11	1.20E-10	1.59E-10
5075	436914	3762683	8.62E-10	2.94E-09	3.80E-09	1.34E-10	4.80E-10	6.14E-10	7.21E-11	2.23E-10	2.95E-10
5076	436914	3762699	8.80E-10	3.00E-09	3.88E-09	1.37E-10	4.90E-10	6.27E-10	7.37E-11	2.27E-10	3.01E-10
5077	436887	3762667	7.68E-10	2.62E-09	3.38E-09	1.19E-10	4.28E-10	5.47E-10	6.42E-11	1.98E-10	2.63E-10
5078	436893.1	3762653	7.65E-10	2.61E-09	3.37E-09	1.19E-10	4.26E-10	5.45E-10	6.40E-11	1.98E-10	2.62E-10
5079	436899.2	3762638	7.60E-10	2.59E-09	3.35E-09	1.18E-10	4.24E-10	5.42E-10	6.36E-11	1.96E-10	2.60E-10
5080	436905.2	3762623	7.54E-10	2.57E-09	3.33E-09	1.17E-10	4.20E-10	5.37E-10	6.31E-11	1.95E-10	2.58E-10
5081	436911.3	3762609	7.47E-10	2.55E-09	3.29E-09	1.16E-10	4.16E-10	5.32E-10	6.25E-11	1.93E-10	2.56E-10
5082	436917.4	3762594	7.38E-10	2.52E-09	3.26E-09	1.15E-10	4.11E-10	5.26E-10	6.18E-11	1.91E-10	2.53E-10
5083	436923.4	3762579	7.29E-10	2.48E-09	3.21E-09	1.13E-10	4.06E-10	5.19E-10	6.10E-11	1.88E-10	2.49E-10
5084	436929.5	3762565	7.18E-10	2.45E-09	3.17E-09	1.12E-10	4.00E-10	5.11E-10	6.01E-11	1.85E-10	2.46E-10
5085	436935.6	3762550	7.06E-10	2.41E-09	3.11E-09	1.10E-10	3.93E-10	5.03E-10	5.91E-11	1.82E-10	2.42E-10
5086	436941.6	3762535	6.94E-10	2.37E-09	3.06E-09	1.08E-10	3.87E-10	4.95E-10	5.81E-11	1.79E-10	2.38E-10
5087	436947.7	3762521	6.82E-10	2.33E-09	3.01E-09	1.06E-10	3.80E-10	4.86E-10	5.71E-11	1.76E-10	2.33E-10
5088	436953.8	3762506	6.69E-10	2.28E-09	2.95E-09	1.04E-10	3.73E-10	4.77E-10	5.60E-11	1.73E-10	2.29E-10
5089	436959.8	3762491	6.56E-10	2.24E-09	2.89E-09	1.02E-10	3.66E-10	4.68E-10	5.49E-11	1.70E-10	2.25E-10
5090	436978.1	3762447	6.20E-10	2.11E-09	2.73E-09	9.63E-11	3.45E-10	4.41E-10	5.19E-11	1.60E-10	2.12E-10
5091	436984.1	3762432	6.08E-10	2.07E-09	2.68E-09	9.45E-11	3.39E-10	4.33E-10	5.09E-11	1.57E-10	2.08E-10
5092	436990.2	3762418	5.96E-10	2.03E-09	2.63E-09	9.26E-11	3.32E-10	4.24E-10	4.99E-11	1.54E-10	2.04E-10
5093	436996.3	3762403	5.83E-10	1.99E-09	2.57E-09	9.06E-11	3.25E-10	4.15E-10	4.88E-11	1.51E-10	1.99E-10
5094	437002.3	3762388	5.70E-10	1.94E-09	2.51E-09	8.85E-11	3.17E-10	4.06E-10	4.77E-11	1.47E-10	1.95E-10
5095	437008.4	3762374	5.56E-10	1.90E-09	2.45E-09	8.64E-11	3.10E-10	3.96E-10	4.65E-11	1.44E-10	1.90E-10
5096	437014.5	3762359	5.41E-10	1.85E-09	2.39E-09	8.41E-11	3.01E-10	3.86E-10	4.53E-11	1.40E-10	1.85E-10
5097	437020.5	3762344	5.26E-10	1.79E-09	2.32E-09	8.18E-11	2.93E-10	3.75E-10	4.40E-11	1.36E-10	1.80E-10
5098	437026.6	3762330	5.11E-10	1.74E-09	2.25E-09	7.94E-11	2.85E-10	3.64E-10	4.28E-11	1.32E-10	1.75E-10
5099	437040	3762312	4.98E-10	1.70E-09	2.19E-09	7.73E-11	2.77E-10	3.54E-10	4.16E-11	1.29E-10	1.70E-10
5100	437054.7	3762306	5.00E-10	1.71E-09	2.21E-09	7.78E-11	2.79E-10	3.57E-10	4.19E-11	1.29E-10	1.71E-10
5101	437069.3	3762300	5.03E-10	1.71E-09	2.22E-09	7.81E-11	2.80E-10	3.58E-10	4.21E-11	1.30E-10	1.72E-10
5102	437084	3762293	5.04E-10	1.72E-09	2.22E-09	7.84E-11	2.81E-10	3.59E-10	4.22E-11	1.30E-10	1.73E-10
5103	437098.7	3762287	5.05E-10	1.72E-09	2.23E-09	7.85E-11	2.81E-10	3.60E-10	4.23E-11	1.31E-10	1.73E-10
5104	437113.3	3762281	5.06E-10	1.72E-09	2.23E-09	7.86E-11	2.82E-10	3.60E-10	4.23E-11	1.31E-10	1.73E-10
5105	437128	3762275	5.05E-10	1.72E-09	2.23E-09	7.85E-11	2.81E-10	3.60E-10	4.23E-11	1.30E-10	1.73E-10
5106	437142.7	3762269	5.04E-10	1.72E-09	2.22E-09	7.82E-11	2.81E-10	3.59E-10	4.21E-11	1.30E-10	1.72E-10
5107	437157.3	3762263	5.01E-10	1.71E-09	2.21E-09	7.79E-11	2.79E-10	3.57E-10	4.19E-11	1.29E-10	1.71E-10
5108	437172	3762257	4.98E-10	1.70E-09	2.20E-09	7.74E-11	2.77E-10	3.55E-10	4.17E-11	1.29E-10	1.70E-10
5109	437186.7	3762251	4.94E-10	1.68E-09	2.18E-09	7.67E-11	2.75E-10	3.52E-10	4.13E-11	1.28E-10	1.69E-10
5110	437201.3	3762244	4.89E-10	1.67E-09	2.16E-09	7.59E-11	2.72E-10	3.48E-10	4.09E-11	1.26E-10	1.67E-10
5111	437216	3762238	4.83E-10	1.65E-09	2.13E-09	7.51E-11	2.69E-10	3.44E-10	4.04E-11	1.25E-10	1.65E-10
5112	437230.7	3762232	4.77E-10	1.63E-09	2.10E-09	7.41E-11	2.66E-10	3.40E-10	3.99E-11	1.23E-10	1.63E-10
5113	437245.3	3762226	4.71E-10	1.61E-09	2.08E-09	7.32E-11	2.62E-10	3.36E-10	3.94E-11	1.22E-10	1.61E-10
5114	437260	3762220	4.65E-10	1.59E-09	2.05E-09	7.22E-11	2.59E-10	3.31E-10	3.89E-11	1.20E-10	1.59E-10
5115	437274.7	3762214	4.59E-10	1.56E-09	2.02E-09	7.13E-11	2.55E-10	3.27E-10	3.84E-11	1.19E-10	1.57E-10
5116	437289.4	3762208	4.53E-10	1.54E-09	2.00E-09	7.03E-11	2.52E-10	3.23E-10	3.79E-11	1.17E-10	1.55E-10
5117	437304	3762202	4.47E-10	1.52E-09	1.97E-09	6.94E-11	2.49E-10	3.18E-10	3.74E-11	1.15E-10	1.53E-10
5118	437318.7	3762195	4.41E-10	1.50E-09	1.94E-09	6.85E-11	2.46E-10	3.14E-10	3.69E-11	1.14E-10	1.51E-10
5119	437333.4	3762189	4.35E-10	1.48E-09	1.92E-09	6.77E-11	2.43E-10	3.10E-10	3.65E-11	1.13E-10	1.49E-10
5120	437348	3762183	4.30E-10	1.47E-09	1.90E-09	6.68E-11	2.40E-10	3.07E-10	3.60E-11	1.11E-10	1.47E-10

5121	437362.7	3762177	4.25E-10	1.45E-09	1.88E-09	6.61E-11	2.37E-10	3.03E-10	3.56E-11	1.10E-10	1.46E-10
5122	437377.4	3762171	4.21E-10	1.44E-09	1.86E-09	6.54E-11	2.34E-10	3.00E-10	3.52E-11	1.09E-10	1.44E-10
5123	436884	3762683	7.76E-10	2.65E-09	3.42E-09	1.21E-10	4.33E-10	5.53E-10	6.50E-11	2.01E-10	2.66E-10
5124	436884	3762699	7.92E-10	2.70E-09	3.49E-09	1.23E-10	4.41E-10	5.64E-10	6.63E-11	2.05E-10	2.71E-10
5125	436857	3762668	6.97E-10	2.38E-09	3.07E-09	1.08E-10	3.88E-10	4.96E-10	5.83E-11	1.80E-10	2.38E-10
5126	436863.1	3762653	6.95E-10	2.37E-09	3.07E-09	1.08E-10	3.87E-10	4.95E-10	5.82E-11	1.80E-10	2.38E-10
5127	436869.1	3762638	6.91E-10	2.36E-09	3.05E-09	1.07E-10	3.85E-10	4.93E-10	5.79E-11	1.79E-10	2.37E-10
5128	436875.2	3762624	6.86E-10	2.34E-09	3.03E-09	1.07E-10	3.82E-10	4.89E-10	5.74E-11	1.77E-10	2.35E-10
5129	436881.2	3762609	6.80E-10	2.32E-09	3.00E-09	1.06E-10	3.79E-10	4.85E-10	5.69E-11	1.76E-10	2.33E-10
5130	436887.3	3762594	6.73E-10	2.30E-09	2.97E-09	1.05E-10	3.75E-10	4.80E-10	5.64E-11	1.74E-10	2.30E-10
5131	436893.3	3762580	6.66E-10	2.27E-09	2.94E-09	1.03E-10	3.71E-10	4.75E-10	5.57E-11	1.72E-10	2.28E-10
5132	436899.4	3762565	6.58E-10	2.24E-09	2.90E-09	1.02E-10	3.66E-10	4.68E-10	5.50E-11	1.70E-10	2.25E-10
5133	436905.5	3762550	6.48E-10	2.21E-09	2.86E-09	1.01E-10	3.61E-10	4.62E-10	5.42E-11	1.67E-10	2.22E-10
5134	436911.5	3762536	6.38E-10	2.18E-09	2.82E-09	9.92E-11	3.56E-10	4.55E-10	5.34E-11	1.65E-10	2.18E-10
5135	436917.6	3762521	6.28E-10	2.14E-09	2.77E-09	9.76E-11	3.50E-10	4.48E-10	5.26E-11	1.62E-10	2.15E-10
5136	436923.6	3762506	6.17E-10	2.11E-09	2.72E-09	9.59E-11	3.44E-10	4.40E-10	5.17E-11	1.60E-10	2.11E-10
5137	436929.7	3762492	6.07E-10	2.07E-09	2.68E-09	9.43E-11	3.38E-10	4.32E-10	5.08E-11	1.57E-10	2.08E-10
5138	436947.8	3762448	5.74E-10	1.96E-09	2.53E-09	8.93E-11	3.20E-10	4.09E-10	4.81E-11	1.48E-10	1.97E-10
5139	436953.9	3762433	5.65E-10	1.93E-09	2.49E-09	8.78E-11	3.15E-10	4.03E-10	4.73E-11	1.46E-10	1.93E-10
5140	436959.9	3762418	5.55E-10	1.89E-09	2.45E-09	8.62E-11	3.09E-10	3.95E-10	4.65E-11	1.43E-10	1.90E-10
5141	436966	3762404	5.44E-10	1.86E-09	2.40E-09	8.46E-11	3.03E-10	3.88E-10	4.56E-11	1.41E-10	1.86E-10
5142	436972.1	3762389	5.33E-10	1.82E-09	2.35E-09	8.29E-11	2.97E-10	3.80E-10	4.46E-11	1.38E-10	1.82E-10
5143	436978.1	3762374	5.22E-10	1.78E-09	2.30E-09	8.11E-11	2.91E-10	3.72E-10	4.37E-11	1.35E-10	1.78E-10
5144	436984.2	3762360	5.10E-10	1.74E-09	2.25E-09	7.92E-11	2.84E-10	3.63E-10	4.27E-11	1.32E-10	1.74E-10
5145	436990.2	3762345	4.98E-10	1.70E-09	2.19E-09	7.73E-11	2.77E-10	3.55E-10	4.17E-11	1.29E-10	1.70E-10
5146	436996.3	3762330	4.85E-10	1.65E-09	2.14E-09	7.54E-11	2.70E-10	3.46E-10	4.06E-11	1.25E-10	1.66E-10
5147	437002.3	3762316	4.72E-10	1.61E-09	2.08E-09	7.34E-11	2.63E-10	3.36E-10	3.95E-11	1.22E-10	1.62E-10
5148	437008.4	3762301	4.59E-10	1.57E-09	2.03E-09	7.14E-11	2.56E-10	3.27E-10	3.85E-11	1.19E-10	1.57E-10
5149	437018.7	3762291	4.55E-10	1.55E-09	2.01E-09	7.07E-11	2.53E-10	3.24E-10	3.81E-11	1.18E-10	1.56E-10
5150	437033.4	3762285	4.58E-10	1.56E-09	2.02E-09	7.11E-11	2.55E-10	3.26E-10	3.83E-11	1.18E-10	1.57E-10
5151	437048	3762278	4.60E-10	1.57E-09	2.03E-09	7.15E-11	2.56E-10	3.28E-10	3.85E-11	1.19E-10	1.57E-10
5152	437062.6	3762272	4.62E-10	1.57E-09	2.04E-09	7.17E-11	2.57E-10	3.29E-10	3.87E-11	1.19E-10	1.58E-10
5153	437077.3	3762266	4.63E-10	1.58E-09	2.04E-09	7.19E-11	2.58E-10	3.30E-10	3.87E-11	1.20E-10	1.58E-10
5154	437091.9	3762260	4.63E-10	1.58E-09	2.04E-09	7.19E-11	2.58E-10	3.30E-10	3.88E-11	1.20E-10	1.58E-10
5155	437106.5	3762254	4.62E-10	1.58E-09	2.04E-09	7.19E-11	2.58E-10	3.29E-10	3.87E-11	1.19E-10	1.58E-10
5156	437121.2	3762248	4.61E-10	1.57E-09	2.03E-09	7.17E-11	2.57E-10	3.29E-10	3.86E-11	1.19E-10	1.58E-10
5157	437135.8	3762242	4.59E-10	1.57E-09	2.03E-09	7.14E-11	2.56E-10	3.27E-10	3.84E-11	1.19E-10	1.57E-10
5158	437150.4	3762236	4.57E-10	1.56E-09	2.01E-09	7.09E-11	2.54E-10	3.25E-10	3.82E-11	1.18E-10	1.56E-10
5159	437165.1	3762230	4.53E-10	1.54E-09	2.00E-09	7.04E-11	2.52E-10	3.23E-10	3.79E-11	1.17E-10	1.55E-10
5160	437179.7	3762223	4.49E-10	1.53E-09	1.98E-09	6.97E-11	2.50E-10	3.20E-10	3.76E-11	1.16E-10	1.54E-10
5161	437194.3	3762217	4.44E-10	1.51E-09	1.96E-09	6.90E-11	2.47E-10	3.16E-10	3.72E-11	1.15E-10	1.52E-10
5162	437209	3762211	4.39E-10	1.50E-09	1.94E-09	6.82E-11	2.45E-10	3.13E-10	3.67E-11	1.13E-10	1.50E-10
5163	437223.6	3762205	4.34E-10	1.48E-09	1.91E-09	6.74E-11	2.42E-10	3.09E-10	3.63E-11	1.12E-10	1.48E-10
5164	437238.2	3762199	4.28E-10	1.46E-09	1.89E-09	6.65E-11	2.39E-10	3.05E-10	3.58E-11	1.11E-10	1.47E-10
5165	437252.9	3762193	4.23E-10	1.44E-09	1.86E-09	6.57E-11	2.35E-10	3.01E-10	3.54E-11	1.09E-10	1.45E-10
5166	437267.5	3762187	4.17E-10	1.42E-09	1.84E-09	6.48E-11	2.32E-10	2.97E-10	3.49E-11	1.08E-10	1.43E-10
5167	437282.2	3762181	4.12E-10	1.41E-09	1.82E-09	6.40E-11	2.30E-10	2.94E-10	3.45E-11	1.06E-10	1.41E-10
5168	437296.8	3762175	4.07E-10	1.39E-09	1.79E-09	6.32E-11	2.27E-10	2.90E-10	3.40E-11	1.05E-10	1.39E-10
5169	437311.4	3762168	4.02E-10	1.37E-09	1.77E-09	6.24E-11	2.24E-10	2.86E-10	3.36E-11	1.04E-10	1.37E-10
5170	437326.1	3762162	3.97E-10	1.35E-09	1.75E-09	6.16E-11	2.21E-10	2.83E-10	3.32E-11	1.03E-10	1.36E-10
5171	437340.7	3762156	3.92E-10	1.34E-09	1.73E-09	6.09E-11	2.18E-10	2.79E-10	3.28E-11	1.01E-10	1.34E-10
5172	437355.3	3762150	3.88E-10	1.32E-09	1.71E-09	6.03E-11	2.16E-10	2.76E-10	3.25E-11	1.00E-10	1.33E-10
5173	437370	3762144	3.84E-10	1.31E-09	1.69E-09	5.97E-11	2.14E-10	2.74E-10	3.22E-11	9.93E-11	1.31E-10
5174	436854	3762683	7.04E-10	2.40E-09	3.10E-09	1.09E-10	3.92E-10	5.01E-10	5.89E-11	1.82E-10	2.41E-10
5175	436854	3762699	7.16E-10	2.44E-09	3.16E-09	1.11E-10	3.99E-10	5.10E-10	5.99E-11	1.85E-10	2.45E-10
5176	436827	3762668	6.37E-10	2.17E-09	2.81E-09	9.89E-11	3.55E-10	4.54E-10	5.33E-11	1.65E-10	2.18E-10
5177	436833	3762653	6.36E-10	2.17E-09	2.80E-09	9.88E-11	3.54E-10	4.53E-10	5.32E-11	1.64E-10	2.18E-10
5178	436839.1	3762638	6.33E-10	2.16E-09	2.79E-09	9.84E-11	3.53E-10	4.51E-10	5.30E-11	1.64E-10	2.17E-10
5179	436845.1	3762624	6.29E-10	2.14E-09	2.77E-09	9.77E-11	3.50E-10	4.48E-10	5.26E-11	1.62E-10	2.15E-10
5180	436851.2	3762609	6.23E-10	2.12E-09	2.75E-09	9.68E-11	3.47E-10	4.44E-10	5.21E-11	1.61E-10	2.13E-10
5181	436857.2	3762594	6.17E-10	2.10E-09	2.72E-09	9.58E-11	3.44E-10	4.39E-10	5.16E-11	1.59E-10	2.11E-10

5182	436863.3	3762580	6.11E-10	2.08E-09	2.69E-09	9.49E-11	3.40E-10	4.35E-10	5.11E-11	1.58E-10	2.09E-10
5183	436869.3	3762565	6.04E-10	2.06E-09	2.66E-09	9.38E-11	3.36E-10	4.30E-10	5.05E-11	1.56E-10	2.07E-10
5184	436875.3	3762551	5.96E-10	2.03E-09	2.63E-09	9.27E-11	3.32E-10	4.25E-10	4.99E-11	1.54E-10	2.04E-10
5185	436881.4	3762536	5.88E-10	2.01E-09	2.59E-09	9.14E-11	3.28E-10	4.19E-10	4.92E-11	1.52E-10	2.01E-10
5186	436887.4	3762521	5.80E-10	1.98E-09	2.56E-09	9.01E-11	3.23E-10	4.13E-10	4.85E-11	1.50E-10	1.98E-10
5187	436893.5	3762507	5.71E-10	1.95E-09	2.52E-09	8.87E-11	3.18E-10	4.07E-10	4.78E-11	1.47E-10	1.95E-10
5188	436899.5	3762492	5.62E-10	1.92E-09	2.48E-09	8.73E-11	3.13E-10	4.00E-10	4.70E-11	1.45E-10	1.92E-10
5189	436917.6	3762448	5.34E-10	1.82E-09	2.36E-09	8.30E-11	2.97E-10	3.80E-10	4.47E-11	1.38E-10	1.83E-10
5190	436923.7	3762433	5.25E-10	1.79E-09	2.32E-09	8.16E-11	2.93E-10	3.74E-10	4.40E-11	1.36E-10	1.80E-10
5191	436929.7	3762419	5.17E-10	1.76E-09	2.28E-09	8.03E-11	2.88E-10	3.68E-10	4.33E-11	1.34E-10	1.77E-10
5192	436935.8	3762404	5.08E-10	1.73E-09	2.24E-09	7.89E-11	2.83E-10	3.62E-10	4.25E-11	1.31E-10	1.74E-10
5193	436941.8	3762390	4.99E-10	1.70E-09	2.20E-09	7.75E-11	2.78E-10	3.55E-10	4.18E-11	1.29E-10	1.71E-10
5194	436947.9	3762375	4.89E-10	1.67E-09	2.16E-09	7.60E-11	2.73E-10	3.49E-10	4.10E-11	1.26E-10	1.67E-10
5195	436953.9	3762360	4.80E-10	1.64E-09	2.12E-09	7.45E-11	2.67E-10	3.42E-10	4.01E-11	1.24E-10	1.64E-10
5196	436959.9	3762346	4.69E-10	1.60E-09	2.07E-09	7.29E-11	2.61E-10	3.34E-10	3.93E-11	1.21E-10	1.61E-10
5197	436966	3762331	4.59E-10	1.56E-09	2.02E-09	7.13E-11	2.56E-10	3.27E-10	3.84E-11	1.19E-10	1.57E-10
5198	436972	3762316	4.48E-10	1.53E-09	1.98E-09	6.96E-11	2.50E-10	3.19E-10	3.75E-11	1.16E-10	1.53E-10
5199	436978.1	3762302	4.37E-10	1.49E-09	1.93E-09	6.80E-11	2.44E-10	3.12E-10	3.66E-11	1.13E-10	1.50E-10
5200	436984.1	3762287	4.27E-10	1.45E-09	1.88E-09	6.63E-11	2.38E-10	3.04E-10	3.57E-11	1.10E-10	1.46E-10
5201	436997.5	3762270	4.17E-10	1.42E-09	1.84E-09	6.48E-11	2.32E-10	2.97E-10	3.49E-11	1.08E-10	1.43E-10
5202	437012.1	3762263	4.20E-10	1.43E-09	1.85E-09	6.53E-11	2.34E-10	2.99E-10	3.52E-11	1.09E-10	1.44E-10
5203	437026.7	3762257	4.22E-10	1.44E-09	1.86E-09	6.56E-11	2.35E-10	3.01E-10	3.54E-11	1.09E-10	1.45E-10
5204	437041.3	3762251	4.24E-10	1.45E-09	1.87E-09	6.59E-11	2.36E-10	3.02E-10	3.55E-11	1.10E-10	1.45E-10
5205	437055.9	3762245	4.25E-10	1.45E-09	1.87E-09	6.60E-11	2.37E-10	3.03E-10	3.56E-11	1.10E-10	1.45E-10
5206	437070.5	3762239	4.25E-10	1.45E-09	1.87E-09	6.60E-11	2.37E-10	3.03E-10	3.56E-11	1.10E-10	1.45E-10
5207	437085.1	3762233	4.25E-10	1.45E-09	1.87E-09	6.60E-11	2.37E-10	3.03E-10	3.56E-11	1.10E-10	1.45E-10
5208	437099.7	3762227	4.24E-10	1.45E-09	1.87E-09	6.58E-11	2.36E-10	3.02E-10	3.55E-11	1.10E-10	1.45E-10
5209	437114.3	3762221	4.22E-10	1.44E-09	1.86E-09	6.56E-11	2.35E-10	3.01E-10	3.53E-11	1.09E-10	1.44E-10
5210	437128.9	3762215	4.20E-10	1.43E-09	1.85E-09	6.53E-11	2.34E-10	2.99E-10	3.52E-11	1.09E-10	1.44E-10
5211	437143.5	3762209	4.17E-10	1.42E-09	1.84E-09	6.48E-11	2.32E-10	2.97E-10	3.49E-11	1.08E-10	1.43E-10
5212	437158.1	3762202	4.14E-10	1.41E-09	1.82E-09	6.43E-11	2.30E-10	2.95E-10	3.46E-11	1.07E-10	1.42E-10
5213	437172.7	3762196	4.10E-10	1.40E-09	1.81E-09	6.37E-11	2.28E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10
5214	437187.3	3762190	4.06E-10	1.38E-09	1.79E-09	6.30E-11	2.26E-10	2.89E-10	3.39E-11	1.05E-10	1.39E-10
5215	437201.9	3762184	4.01E-10	1.37E-09	1.77E-09	6.23E-11	2.23E-10	2.86E-10	3.36E-11	1.04E-10	1.37E-10
5216	437216.5	3762178	3.96E-10	1.35E-09	1.75E-09	6.16E-11	2.21E-10	2.82E-10	3.32E-11	1.02E-10	1.36E-10
5217	437231.1	3762172	3.91E-10	1.33E-09	1.73E-09	6.08E-11	2.18E-10	2.79E-10	3.28E-11	1.01E-10	1.34E-10
5218	437245.7	3762166	3.86E-10	1.32E-09	1.70E-09	6.00E-11	2.15E-10	2.75E-10	3.23E-11	9.98E-11	1.32E-10
5219	437260.4	3762160	3.82E-10	1.30E-09	1.68E-09	5.93E-11	2.13E-10	2.72E-10	3.19E-11	9.86E-11	1.31E-10
5220	437275	3762154	3.77E-10	1.28E-09	1.66E-09	5.85E-11	2.10E-10	2.68E-10	3.15E-11	9.74E-11	1.29E-10
5221	437289.6	3762148	3.72E-10	1.27E-09	1.64E-09	5.78E-11	2.07E-10	2.65E-10	3.11E-11	9.62E-11	1.27E-10
5222	437304.2	3762141	3.68E-10	1.25E-09	1.62E-09	5.71E-11	2.05E-10	2.62E-10	3.08E-11	9.50E-11	1.26E-10
5223	437318.8	3762135	3.63E-10	1.24E-09	1.60E-09	5.65E-11	2.02E-10	2.59E-10	3.04E-11	9.39E-11	1.24E-10
5224	437333.4	3762129	3.59E-10	1.23E-09	1.59E-09	5.59E-11	2.00E-10	2.56E-10	3.01E-11	9.29E-11	1.23E-10
5225	437348	3762123	3.56E-10	1.21E-09	1.57E-09	5.53E-11	1.98E-10	2.53E-10	2.98E-11	9.19E-11	1.22E-10
5226	437362.6	3762117	3.52E-10	1.20E-09	1.55E-09	5.48E-11	1.96E-10	2.51E-10	2.95E-11	9.10E-11	1.21E-10
5227	437377.2	3762111	3.49E-10	1.19E-09	1.54E-09	5.43E-11	1.95E-10	2.49E-10	2.92E-11	9.02E-11	1.19E-10
5228	436824	3762683	6.42E-10	2.19E-09	2.83E-09	9.97E-11	3.58E-10	4.57E-10	5.37E-11	1.66E-10	2.20E-10
5229	436824	3762699	6.52E-10	2.22E-09	2.87E-09	1.01E-10	3.63E-10	4.64E-10	5.46E-11	1.68E-10	2.23E-10
5230	436797	3762668	5.84E-10	1.99E-09	2.58E-09	9.07E-11	3.25E-10	4.16E-10	4.89E-11	1.51E-10	2.00E-10
5231	436803	3762653	5.84E-10	1.99E-09	2.57E-09	9.07E-11	3.25E-10	4.16E-10	4.89E-11	1.51E-10	2.00E-10
5232	436809.1	3762638	5.82E-10	1.99E-09	2.57E-09	9.05E-11	3.24E-10	4.15E-10	4.87E-11	1.50E-10	1.99E-10
5233	436815.1	3762624	5.79E-10	1.97E-09	2.55E-09	9.00E-11	3.23E-10	4.13E-10	4.85E-11	1.50E-10	1.98E-10
5234	436821.1	3762609	5.75E-10	1.96E-09	2.53E-09	8.93E-11	3.20E-10	4.09E-10	4.81E-11	1.48E-10	1.97E-10
5235	436827.2	3762595	5.69E-10	1.94E-09	2.51E-09	8.84E-11	3.17E-10	4.05E-10	4.76E-11	1.47E-10	1.95E-10
5236	436833.2	3762580	5.63E-10	1.92E-09	2.48E-09	8.75E-11	3.14E-10	4.01E-10	4.71E-11	1.45E-10	1.93E-10
5237	436839.2	3762565	5.57E-10	1.90E-09	2.46E-09	8.65E-11	3.10E-10	3.97E-10	4.66E-11	1.44E-10	1.90E-10
5238	436845.3	3762551	5.50E-10	1.88E-09	2.43E-09	8.55E-11	3.07E-10	3.92E-10	4.61E-11	1.42E-10	1.88E-10
5239	436851.3	3762536	5.44E-10	1.85E-09	2.40E-09	8.45E-11	3.03E-10	3.87E-10	4.55E-11	1.40E-10	1.86E-10
5240	436857.3	3762522	5.36E-10	1.83E-09	2.37E-09	8.33E-11	2.99E-10	3.82E-10	4.49E-11	1.39E-10	1.83E-10
5241	436863.4	3762507	5.29E-10	1.80E-09	2.33E-09	8.22E-11	2.95E-10	3.77E-10	4.43E-11	1.37E-10	1.81E-10
5242	436869.4	3762492	5.21E-10	1.78E-09	2.30E-09	8.10E-11	2.90E-10	3.71E-10	4.36E-11	1.35E-10	1.78E-10

5243	436875.4	3762478	5.13E-10	1.75E-09	2.26E-09	7.98E-11	2.86E-10	3.66E-10	4.30E-11	1.33E-10	1.76E-10
5244	436893.5	3762434	4.90E-10	1.67E-09	2.16E-09	7.61E-11	2.73E-10	3.49E-10	4.10E-11	1.26E-10	1.67E-10
5245	436899.5	3762419	4.82E-10	1.64E-09	2.12E-09	7.49E-11	2.68E-10	3.43E-10	4.03E-11	1.24E-10	1.65E-10
5246	436905.6	3762405	4.74E-10	1.62E-09	2.09E-09	7.36E-11	2.64E-10	3.38E-10	3.97E-11	1.22E-10	1.62E-10
5247	436911.6	3762390	4.66E-10	1.59E-09	2.06E-09	7.25E-11	2.60E-10	3.32E-10	3.90E-11	1.20E-10	1.60E-10
5248	436917.6	3762376	4.59E-10	1.56E-09	2.02E-09	7.13E-11	2.55E-10	3.27E-10	3.84E-11	1.18E-10	1.57E-10
5249	436923.7	3762361	4.50E-10	1.53E-09	1.98E-09	6.99E-11	2.51E-10	3.21E-10	3.77E-11	1.16E-10	1.54E-10
5250	436929.7	3762346	4.42E-10	1.51E-09	1.95E-09	6.86E-11	2.46E-10	3.15E-10	3.70E-11	1.14E-10	1.51E-10
5251	436935.7	3762332	4.33E-10	1.48E-09	1.91E-09	6.73E-11	2.41E-10	3.08E-10	3.62E-11	1.12E-10	1.48E-10
5252	436941.8	3762317	4.24E-10	1.45E-09	1.87E-09	6.59E-11	2.36E-10	3.02E-10	3.55E-11	1.10E-10	1.45E-10
5253	436947.8	3762303	4.15E-10	1.41E-09	1.83E-09	6.44E-11	2.31E-10	2.95E-10	3.47E-11	1.07E-10	1.42E-10
5254	436953.8	3762288	4.06E-10	1.38E-09	1.79E-09	6.30E-11	2.26E-10	2.89E-10	3.39E-11	1.05E-10	1.39E-10
5255	436959.9	3762273	3.96E-10	1.35E-09	1.75E-09	6.16E-11	2.21E-10	2.82E-10	3.32E-11	1.02E-10	1.36E-10
5256	436965.9	3762259	3.87E-10	1.32E-09	1.71E-09	6.02E-11	2.16E-10	2.76E-10	3.24E-11	1.00E-10	1.32E-10
5257	436976.2	3762248	3.84E-10	1.31E-09	1.69E-09	5.97E-11	2.14E-10	2.74E-10	3.22E-11	9.93E-11	1.31E-10
5258	436990.8	3762242	3.87E-10	1.32E-09	1.71E-09	6.01E-11	2.15E-10	2.76E-10	3.24E-11	9.99E-11	1.32E-10
5259	437005.4	3762236	3.89E-10	1.33E-09	1.72E-09	6.04E-11	2.17E-10	2.77E-10	3.26E-11	1.00E-10	1.33E-10
5260	437019.9	3762230	3.90E-10	1.33E-09	1.72E-09	6.07E-11	2.18E-10	2.78E-10	3.27E-11	1.01E-10	1.34E-10
5261	437034.5	3762224	3.91E-10	1.33E-09	1.73E-09	6.08E-11	2.18E-10	2.79E-10	3.28E-11	1.01E-10	1.34E-10
5262	437049.1	3762218	3.92E-10	1.34E-09	1.73E-09	6.09E-11	2.18E-10	2.79E-10	3.28E-11	1.01E-10	1.34E-10
5263	437063.7	3762212	3.92E-10	1.34E-09	1.73E-09	6.08E-11	2.18E-10	2.79E-10	3.28E-11	1.01E-10	1.34E-10
5264	437078.2	3762206	3.91E-10	1.33E-09	1.72E-09	6.07E-11	2.18E-10	2.78E-10	3.27E-11	1.01E-10	1.34E-10
5265	437092.8	3762200	3.89E-10	1.33E-09	1.72E-09	6.05E-11	2.17E-10	2.77E-10	3.26E-11	1.01E-10	1.33E-10
5266	437107.4	3762194	3.88E-10	1.32E-09	1.71E-09	6.02E-11	2.16E-10	2.76E-10	3.24E-11	1.00E-10	1.33E-10
5267	437122	3762187	3.85E-10	1.31E-09	1.70E-09	5.99E-11	2.15E-10	2.75E-10	3.23E-11	9.96E-11	1.32E-10
5268	437136.6	3762181	3.83E-10	1.30E-09	1.69E-09	5.94E-11	2.13E-10	2.73E-10	3.20E-11	9.88E-11	1.31E-10
5269	437151.1	3762175	3.79E-10	1.29E-09	1.67E-09	5.89E-11	2.11E-10	2.70E-10	3.18E-11	9.80E-11	1.30E-10
5270	437165.7	3762169	3.76E-10	1.28E-09	1.66E-09	5.84E-11	2.09E-10	2.68E-10	3.15E-11	9.71E-11	1.29E-10
5271	437180.3	3762163	3.72E-10	1.27E-09	1.64E-09	5.78E-11	2.07E-10	2.65E-10	3.11E-11	9.61E-11	1.27E-10
5272	437194.9	3762157	3.68E-10	1.25E-09	1.62E-09	5.72E-11	2.05E-10	2.62E-10	3.08E-11	9.51E-11	1.26E-10
5273	437209.5	3762151	3.64E-10	1.24E-09	1.60E-09	5.65E-11	2.03E-10	2.59E-10	3.04E-11	9.40E-11	1.24E-10
5274	437224	3762145	3.59E-10	1.23E-09	1.58E-09	5.58E-11	2.00E-10	2.56E-10	3.01E-11	9.28E-11	1.23E-10
5275	437238.6	3762139	3.55E-10	1.21E-09	1.56E-09	5.51E-11	1.98E-10	2.53E-10	2.97E-11	9.17E-11	1.21E-10
5276	437253.2	3762133	3.50E-10	1.20E-09	1.55E-09	5.45E-11	1.95E-10	2.50E-10	2.93E-11	9.06E-11	1.20E-10
5277	437267.8	3762127	3.46E-10	1.18E-09	1.53E-09	5.38E-11	1.93E-10	2.47E-10	2.90E-11	8.95E-11	1.18E-10
5278	437282.3	3762121	3.42E-10	1.17E-09	1.51E-09	5.32E-11	1.91E-10	2.44E-10	2.86E-11	8.84E-11	1.17E-10
5279	437296.9	3762114	3.38E-10	1.15E-09	1.49E-09	5.25E-11	1.88E-10	2.41E-10	2.83E-11	8.74E-11	1.16E-10
5280	437311.5	3762108	3.34E-10	1.14E-09	1.47E-09	5.20E-11	1.86E-10	2.38E-10	2.80E-11	8.64E-11	1.14E-10
5281	437326.1	3762102	3.31E-10	1.13E-09	1.46E-09	5.14E-11	1.84E-10	2.36E-10	2.77E-11	8.55E-11	1.13E-10
5282	437340.7	3762096	3.28E-10	1.12E-09	1.45E-09	5.09E-11	1.83E-10	2.33E-10	2.74E-11	8.47E-11	1.12E-10
5283	437355.2	3762090	3.25E-10	1.11E-09	1.43E-09	5.04E-11	1.81E-10	2.31E-10	2.72E-11	8.39E-11	1.11E-10
5284	436794	3762683	5.88E-10	2.01E-09	2.59E-09	9.14E-11	3.28E-10	4.19E-10	4.92E-11	1.52E-10	2.01E-10
5285	436794	3762699	5.96E-10	2.03E-09	2.63E-09	9.27E-11	3.32E-10	4.25E-10	4.99E-11	1.54E-10	2.04E-10
5286	436757	3762668	5.24E-10	1.79E-09	2.31E-09	8.13E-11	2.92E-10	3.73E-10	4.38E-11	1.35E-10	1.79E-10
5287	436763	3762653	5.24E-10	1.79E-09	2.31E-09	8.14E-11	2.92E-10	3.73E-10	4.38E-11	1.35E-10	1.79E-10
5288	436769	3762638	5.23E-10	1.78E-09	2.31E-09	8.12E-11	2.91E-10	3.72E-10	4.38E-11	1.35E-10	1.79E-10
5289	436775.1	3762624	5.21E-10	1.78E-09	2.30E-09	8.09E-11	2.90E-10	3.71E-10	4.36E-11	1.35E-10	1.78E-10
5290	436781.1	3762609	5.18E-10	1.77E-09	2.28E-09	8.05E-11	2.88E-10	3.69E-10	4.33E-11	1.34E-10	1.77E-10
5291	436787.1	3762595	5.14E-10	1.75E-09	2.27E-09	7.99E-11	2.86E-10	3.66E-10	4.30E-11	1.33E-10	1.76E-10
5292	436793.1	3762580	5.09E-10	1.74E-09	2.25E-09	7.91E-11	2.84E-10	3.63E-10	4.26E-11	1.32E-10	1.74E-10
5293	436799.1	3762566	5.04E-10	1.72E-09	2.22E-09	7.82E-11	2.81E-10	3.59E-10	4.21E-11	1.30E-10	1.72E-10
5294	436805.1	3762551	4.98E-10	1.70E-09	2.20E-09	7.73E-11	2.77E-10	3.55E-10	4.17E-11	1.29E-10	1.70E-10
5295	436811.2	3762536	4.92E-10	1.68E-09	2.17E-09	7.64E-11	2.74E-10	3.50E-10	4.12E-11	1.27E-10	1.68E-10
5296	436817.2	3762522	4.86E-10	1.66E-09	2.14E-09	7.55E-11	2.71E-10	3.46E-10	4.07E-11	1.26E-10	1.66E-10
5297	436823.2	3762507	4.80E-10	1.64E-09	2.12E-09	7.45E-11	2.67E-10	3.42E-10	4.02E-11	1.24E-10	1.64E-10
5298	436829.2	3762493	4.73E-10	1.61E-09	2.09E-09	7.35E-11	2.64E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
5299	436835.2	3762478	4.67E-10	1.59E-09	2.06E-09	7.25E-11	2.60E-10	3.33E-10	3.91E-11	1.21E-10	1.60E-10
5300	436841.3	3762464	4.60E-10	1.57E-09	2.03E-09	7.15E-11	2.56E-10	3.28E-10	3.85E-11	1.19E-10	1.57E-10
5301	436859.3	3762420	4.40E-10	1.50E-09	1.94E-09	6.84E-11	2.45E-10	3.13E-10	3.68E-11	1.14E-10	1.51E-10
5302	436865.3	3762405	4.33E-10	1.48E-09	1.91E-09	6.73E-11	2.41E-10	3.08E-10	3.62E-11	1.12E-10	1.48E-10
5303	436871.4	3762391	4.26E-10	1.45E-09	1.88E-09	6.62E-11	2.37E-10	3.03E-10	3.56E-11	1.10E-10	1.46E-10

5304	436877.4	3762376	4.20E-10	1.43E-09	1.85E-09	6.52E-11	2.34E-10	2.99E-10	3.51E-11	1.08E-10	1.44E-10
5305	436883.4	3762362	4.11E-10	1.40E-09	1.81E-09	6.39E-11	2.29E-10	2.93E-10	3.44E-11	1.06E-10	1.41E-10
5306	436889.4	3762347	4.05E-10	1.38E-09	1.78E-09	6.29E-11	2.25E-10	2.88E-10	3.39E-11	1.05E-10	1.38E-10
5307	436895.4	3762332	3.98E-10	1.36E-09	1.76E-09	6.19E-11	2.22E-10	2.84E-10	3.33E-11	1.03E-10	1.36E-10
5308	436901.4	3762318	3.92E-10	1.34E-09	1.73E-09	6.09E-11	2.18E-10	2.79E-10	3.28E-11	1.01E-10	1.34E-10
5309	436907.5	3762303	3.85E-10	1.31E-09	1.70E-09	5.98E-11	2.14E-10	2.74E-10	3.22E-11	9.94E-11	1.32E-10
5310	436913.5	3762289	3.78E-10	1.29E-09	1.67E-09	5.87E-11	2.10E-10	2.69E-10	3.16E-11	9.76E-11	1.29E-10
5311	436919.5	3762274	3.71E-10	1.26E-09	1.63E-09	5.76E-11	2.06E-10	2.64E-10	3.10E-11	9.58E-11	1.27E-10
5312	436925.5	3762260	3.63E-10	1.24E-09	1.60E-09	5.65E-11	2.02E-10	2.59E-10	3.04E-11	9.39E-11	1.24E-10
5313	436931.5	3762245	3.56E-10	1.21E-09	1.57E-09	5.53E-11	1.98E-10	2.54E-10	2.98E-11	9.20E-11	1.22E-10
5314	436937.6	3762230	3.48E-10	1.19E-09	1.54E-09	5.41E-11	1.94E-10	2.48E-10	2.91E-11	9.00E-11	1.19E-10
5315	436947.8	3762220	3.45E-10	1.18E-09	1.52E-09	5.37E-11	1.92E-10	2.46E-10	2.89E-11	8.92E-11	1.18E-10
5316	436962.4	3762214	3.48E-10	1.19E-09	1.53E-09	5.40E-11	1.94E-10	2.48E-10	2.91E-11	8.98E-11	1.19E-10
5317	436976.9	3762208	3.49E-10	1.19E-09	1.54E-09	5.43E-11	1.95E-10	2.49E-10	2.92E-11	9.03E-11	1.20E-10
5318	436991.5	3762202	3.51E-10	1.20E-09	1.55E-09	5.45E-11	1.96E-10	2.50E-10	2.94E-11	9.07E-11	1.20E-10
5319	437006	3762196	3.52E-10	1.20E-09	1.55E-09	5.47E-11	1.96E-10	2.51E-10	2.95E-11	9.10E-11	1.20E-10
5320	437020.6	3762190	3.53E-10	1.20E-09	1.56E-09	5.48E-11	1.97E-10	2.51E-10	2.95E-11	9.12E-11	1.21E-10
5321	437035.1	3762184	3.53E-10	1.20E-09	1.56E-09	5.48E-11	1.97E-10	2.51E-10	2.95E-11	9.12E-11	1.21E-10
5322	437049.7	3762178	3.53E-10	1.20E-09	1.55E-09	5.48E-11	1.96E-10	2.51E-10	2.95E-11	9.11E-11	1.21E-10
5323	437064.2	3762172	3.51E-10	1.20E-09	1.55E-09	5.46E-11	1.96E-10	2.50E-10	2.94E-11	9.08E-11	1.20E-10
5324	437078.8	3762165	3.50E-10	1.19E-09	1.54E-09	5.44E-11	1.95E-10	2.49E-10	2.93E-11	9.05E-11	1.20E-10
5325	437093.3	3762159	3.48E-10	1.19E-09	1.54E-09	5.41E-11	1.94E-10	2.48E-10	2.92E-11	9.00E-11	1.19E-10
5326	437107.9	3762153	3.46E-10	1.18E-09	1.53E-09	5.38E-11	1.93E-10	2.47E-10	2.90E-11	8.95E-11	1.19E-10
5327	437122.4	3762147	3.44E-10	1.17E-09	1.52E-09	5.34E-11	1.92E-10	2.45E-10	2.88E-11	8.89E-11	1.18E-10
5328	437137	3762141	3.41E-10	1.16E-09	1.50E-09	5.30E-11	1.90E-10	2.43E-10	2.86E-11	8.82E-11	1.17E-10
5329	437151.5	3762135	3.38E-10	1.15E-09	1.49E-09	5.25E-11	1.88E-10	2.41E-10	2.83E-11	8.73E-11	1.16E-10
5330	437166	3762129	3.35E-10	1.14E-09	1.48E-09	5.20E-11	1.86E-10	2.38E-10	2.80E-11	8.65E-11	1.15E-10
5331	437180.6	3762123	3.31E-10	1.13E-09	1.46E-09	5.15E-11	1.85E-10	2.36E-10	2.77E-11	8.56E-11	1.13E-10
5332	437195.1	3762117	3.28E-10	1.12E-09	1.44E-09	5.09E-11	1.83E-10	2.33E-10	2.74E-11	8.47E-11	1.12E-10
5333	437209.7	3762111	3.24E-10	1.10E-09	1.43E-09	5.03E-11	1.80E-10	2.31E-10	2.71E-11	8.37E-11	1.11E-10
5334	437224.2	3762105	3.20E-10	1.09E-09	1.41E-09	4.97E-11	1.78E-10	2.28E-10	2.68E-11	8.27E-11	1.09E-10
5335	437238.8	3762099	3.16E-10	1.08E-09	1.39E-09	4.91E-11	1.76E-10	2.25E-10	2.65E-11	8.17E-11	1.08E-10
5336	437253.3	3762093	3.12E-10	1.07E-09	1.38E-09	4.85E-11	1.74E-10	2.23E-10	2.61E-11	8.07E-11	1.07E-10
5337	436754	3762683	5.27E-10	1.80E-09	2.32E-09	8.18E-11	2.93E-10	3.75E-10	4.41E-11	1.36E-10	1.80E-10
5338	436754	3762699	5.33E-10	1.82E-09	2.35E-09	8.28E-11	2.97E-10	3.80E-10	4.46E-11	1.38E-10	1.82E-10
5339	436717	3762668	4.73E-10	1.61E-09	2.08E-09	7.34E-11	2.63E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
5340	436723	3762653	4.73E-10	1.61E-09	2.09E-09	7.35E-11	2.64E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
5341	436729	3762638	4.73E-10	1.61E-09	2.08E-09	7.35E-11	2.63E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
5342	436735	3762624	4.71E-10	1.61E-09	2.08E-09	7.32E-11	2.63E-10	3.36E-10	3.95E-11	1.22E-10	1.61E-10
5343	436741	3762609	4.69E-10	1.60E-09	2.07E-09	7.28E-11	2.61E-10	3.34E-10	3.92E-11	1.21E-10	1.60E-10
5344	436747	3762595	4.66E-10	1.59E-09	2.05E-09	7.24E-11	2.59E-10	3.32E-10	3.90E-11	1.20E-10	1.59E-10
5345	436753	3762580	4.62E-10	1.58E-09	2.04E-09	7.18E-11	2.57E-10	3.29E-10	3.87E-11	1.19E-10	1.58E-10
5346	436759	3762566	4.58E-10	1.56E-09	2.02E-09	7.12E-11	2.55E-10	3.26E-10	3.83E-11	1.18E-10	1.57E-10
5347	436765	3762551	4.53E-10	1.55E-09	2.00E-09	7.04E-11	2.53E-10	3.23E-10	3.79E-11	1.17E-10	1.55E-10
5348	436771.1	3762537	4.48E-10	1.53E-09	1.98E-09	6.97E-11	2.50E-10	3.19E-10	3.75E-11	1.16E-10	1.53E-10
5349	436777.1	3762522	4.43E-10	1.51E-09	1.95E-09	6.88E-11	2.47E-10	3.16E-10	3.71E-11	1.14E-10	1.51E-10
5350	436783.1	3762508	4.37E-10	1.49E-09	1.93E-09	6.80E-11	2.44E-10	3.12E-10	3.66E-11	1.13E-10	1.50E-10
5351	436789.1	3762493	4.32E-10	1.47E-09	1.90E-09	6.71E-11	2.40E-10	3.08E-10	3.61E-11	1.12E-10	1.48E-10
5352	436795.1	3762479	4.26E-10	1.45E-09	1.88E-09	6.62E-11	2.37E-10	3.03E-10	3.56E-11	1.10E-10	1.46E-10
5353	436801.1	3762464	4.20E-10	1.43E-09	1.85E-09	6.53E-11	2.34E-10	3.00E-10	3.52E-11	1.09E-10	1.44E-10
5354	436807.1	3762449	4.15E-10	1.42E-09	1.83E-09	6.45E-11	2.31E-10	2.96E-10	3.47E-11	1.07E-10	1.42E-10
5355	436831.1	3762391	3.92E-10	1.34E-09	1.73E-09	6.09E-11	2.18E-10	2.79E-10	3.28E-11	1.01E-10	1.34E-10
5356	436837.1	3762377	3.87E-10	1.32E-09	1.71E-09	6.01E-11	2.15E-10	2.75E-10	3.24E-11	9.99E-11	1.32E-10
5357	436843.1	3762362	3.80E-10	1.30E-09	1.68E-09	5.91E-11	2.12E-10	2.71E-10	3.18E-11	9.82E-11	1.30E-10
5358	436849.2	3762348	3.74E-10	1.28E-09	1.65E-09	5.81E-11	2.08E-10	2.67E-10	3.13E-11	9.67E-11	1.28E-10
5359	436855.2	3762333	3.68E-10	1.26E-09	1.62E-09	5.72E-11	2.05E-10	2.62E-10	3.08E-11	9.51E-11	1.26E-10
5360	436861.2	3762319	3.63E-10	1.24E-09	1.60E-09	5.64E-11	2.02E-10	2.58E-10	3.04E-11	9.37E-11	1.24E-10
5361	436867.2	3762304	3.57E-10	1.22E-09	1.58E-09	5.55E-11	1.99E-10	2.55E-10	2.99E-11	9.23E-11	1.22E-10
5362	436873.2	3762289	3.52E-10	1.20E-09	1.55E-09	5.47E-11	1.96E-10	2.51E-10	2.95E-11	9.10E-11	1.20E-10
5363	436879.2	3762275	3.46E-10	1.18E-09	1.53E-09	5.38E-11	1.93E-10	2.47E-10	2.90E-11	8.95E-11	1.19E-10
5364	436885.2	3762260	3.41E-10	1.16E-09	1.50E-09	5.29E-11	1.90E-10	2.43E-10	2.85E-11	8.80E-11	1.17E-10

5365	436891.2	3762246	3.35E-10	1.14E-09	1.48E-09	5.20E-11	1.86E-10	2.38E-10	2.80E-11	8.65E-11	1.14E-10
5366	436897.2	3762231	3.28E-10	1.12E-09	1.45E-09	5.10E-11	1.83E-10	2.34E-10	2.75E-11	8.48E-11	1.12E-10
5367	436903.2	3762217	3.21E-10	1.10E-09	1.42E-09	4.99E-11	1.79E-10	2.29E-10	2.69E-11	8.30E-11	1.10E-10
5368	436909.2	3762202	3.15E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.63E-11	8.13E-11	1.08E-10
5369	436919.5	3762192	3.12E-10	1.06E-09	1.38E-09	4.85E-11	1.74E-10	2.22E-10	2.61E-11	8.07E-11	1.07E-10
5370	436934	3762186	3.14E-10	1.07E-09	1.39E-09	4.88E-11	1.75E-10	2.24E-10	2.63E-11	8.12E-11	1.07E-10
5371	436948.5	3762180	3.16E-10	1.08E-09	1.39E-09	4.91E-11	1.76E-10	2.25E-10	2.64E-11	8.16E-11	1.08E-10
5372	436963	3762174	3.17E-10	1.08E-09	1.40E-09	4.93E-11	1.77E-10	2.26E-10	2.66E-11	8.20E-11	1.09E-10
5373	436977.6	3762168	3.18E-10	1.09E-09	1.40E-09	4.95E-11	1.77E-10	2.27E-10	2.66E-11	8.23E-11	1.09E-10
5374	436992.1	3762162	3.19E-10	1.09E-09	1.41E-09	4.96E-11	1.78E-10	2.27E-10	2.67E-11	8.24E-11	1.09E-10
5375	437006.6	3762156	3.19E-10	1.09E-09	1.41E-09	4.96E-11	1.78E-10	2.28E-10	2.67E-11	8.25E-11	1.09E-10
5376	437021.1	3762149	3.19E-10	1.09E-09	1.41E-09	4.96E-11	1.78E-10	2.27E-10	2.67E-11	8.25E-11	1.09E-10
5377	437122.8	3762107	3.09E-10	1.05E-09	1.36E-09	4.80E-11	1.72E-10	2.20E-10	2.59E-11	7.99E-11	1.06E-10
5378	437137.3	3762101	3.07E-10	1.05E-09	1.35E-09	4.76E-11	1.71E-10	2.18E-10	2.57E-11	7.92E-11	1.05E-10
5379	437151.8	3762095	3.04E-10	1.04E-09	1.34E-09	4.72E-11	1.69E-10	2.16E-10	2.54E-11	7.85E-11	1.04E-10
5380	437166.3	3762089	3.00E-10	1.02E-09	1.33E-09	4.67E-11	1.67E-10	2.14E-10	2.52E-11	7.76E-11	1.03E-10
5381	436714	3762683	4.75E-10	1.62E-09	2.09E-09	7.38E-11	2.64E-10	3.38E-10	3.97E-11	1.23E-10	1.62E-10
5382	436714	3762699	4.80E-10	1.64E-09	2.12E-09	7.46E-11	2.67E-10	3.42E-10	4.02E-11	1.24E-10	1.64E-10
5383	436677	3762668	4.29E-10	1.46E-09	1.89E-09	6.67E-11	2.39E-10	3.06E-10	3.59E-11	1.11E-10	1.47E-10
5384	436683	3762653	4.30E-10	1.47E-09	1.90E-09	6.68E-11	2.39E-10	3.06E-10	3.60E-11	1.11E-10	1.47E-10
5385	436689	3762639	4.30E-10	1.47E-09	1.90E-09	6.68E-11	2.39E-10	3.06E-10	3.60E-11	1.11E-10	1.47E-10
5386	436695	3762624	4.29E-10	1.46E-09	1.89E-09	6.67E-11	2.39E-10	3.06E-10	3.59E-11	1.11E-10	1.47E-10
5387	436701	3762610	4.27E-10	1.46E-09	1.88E-09	6.64E-11	2.38E-10	3.04E-10	3.58E-11	1.10E-10	1.46E-10
5388	436707	3762595	4.25E-10	1.45E-09	1.87E-09	6.60E-11	2.37E-10	3.03E-10	3.56E-11	1.10E-10	1.45E-10
5389	436713	3762580	4.22E-10	1.44E-09	1.86E-09	6.56E-11	2.35E-10	3.01E-10	3.53E-11	1.09E-10	1.44E-10
5390	436719	3762566	4.18E-10	1.43E-09	1.84E-09	6.50E-11	2.33E-10	2.98E-10	3.50E-11	1.08E-10	1.43E-10
5391	436725	3762551	4.14E-10	1.41E-09	1.83E-09	6.44E-11	2.31E-10	2.95E-10	3.47E-11	1.07E-10	1.42E-10
5392	436731	3762537	4.10E-10	1.40E-09	1.81E-09	6.37E-11	2.28E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10
5393	436737	3762522	4.06E-10	1.38E-09	1.79E-09	6.30E-11	2.26E-10	2.89E-10	3.40E-11	1.05E-10	1.39E-10
5394	436743	3762508	4.01E-10	1.37E-09	1.77E-09	6.23E-11	2.23E-10	2.86E-10	3.36E-11	1.04E-10	1.37E-10
5395	436749	3762493	3.96E-10	1.35E-09	1.75E-09	6.16E-11	2.21E-10	2.82E-10	3.32E-11	1.02E-10	1.36E-10
5396	436754.9	3762479	3.91E-10	1.33E-09	1.73E-09	6.08E-11	2.18E-10	2.79E-10	3.27E-11	1.01E-10	1.34E-10
5397	436760.9	3762464	3.86E-10	1.32E-09	1.70E-09	6.00E-11	2.15E-10	2.75E-10	3.23E-11	9.98E-11	1.32E-10
5398	436766.9	3762450	3.82E-10	1.30E-09	1.68E-09	5.93E-11	2.13E-10	2.72E-10	3.19E-11	9.86E-11	1.31E-10
5399	436772.9	3762435	3.77E-10	1.29E-09	1.66E-09	5.86E-11	2.10E-10	2.68E-10	3.15E-11	9.74E-11	1.29E-10
5400	436778.9	3762421	3.72E-10	1.27E-09	1.64E-09	5.78E-11	2.07E-10	2.65E-10	3.12E-11	9.62E-11	1.27E-10
5401	436802.9	3762363	3.54E-10	1.21E-09	1.56E-09	5.50E-11	1.97E-10	2.52E-10	2.96E-11	9.15E-11	1.21E-10
5402	436808.9	3762348	3.49E-10	1.19E-09	1.54E-09	5.42E-11	1.94E-10	2.49E-10	2.92E-11	9.02E-11	1.19E-10
5403	436814.9	3762334	3.44E-10	1.17E-09	1.52E-09	5.34E-11	1.91E-10	2.45E-10	2.88E-11	8.88E-11	1.18E-10
5404	436820.9	3762319	3.39E-10	1.16E-09	1.49E-09	5.26E-11	1.89E-10	2.41E-10	2.84E-11	8.76E-11	1.16E-10
5405	436826.9	3762305	3.34E-10	1.14E-09	1.47E-09	5.19E-11	1.86E-10	2.38E-10	2.80E-11	8.63E-11	1.14E-10
5406	436832.9	3762290	3.29E-10	1.12E-09	1.45E-09	5.12E-11	1.83E-10	2.35E-10	2.76E-11	8.51E-11	1.13E-10
5407	436838.9	3762276	3.25E-10	1.11E-09	1.43E-09	5.04E-11	1.81E-10	2.31E-10	2.72E-11	8.39E-11	1.11E-10
5408	436844.9	3762261	3.20E-10	1.09E-09	1.41E-09	4.97E-11	1.78E-10	2.28E-10	2.68E-11	8.26E-11	1.09E-10
5409	436850.9	3762247	3.15E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.63E-11	8.13E-11	1.08E-10
5410	436856.9	3762232	3.09E-10	1.05E-09	1.36E-09	4.80E-11	1.72E-10	2.20E-10	2.59E-11	7.99E-11	1.06E-10
5411	436862.9	3762218	3.03E-10	1.03E-09	1.34E-09	4.72E-11	1.69E-10	2.16E-10	2.54E-11	7.84E-11	1.04E-10
5412	436868.9	3762203	2.98E-10	1.01E-09	1.31E-09	4.62E-11	1.66E-10	2.12E-10	2.49E-11	7.69E-11	1.02E-10
5413	436874.9	3762188	2.92E-10	9.94E-10	1.29E-09	4.53E-11	1.62E-10	2.08E-10	2.44E-11	7.53E-11	9.97E-11
5414	436880.9	3762174	2.86E-10	9.75E-10	1.26E-09	4.44E-11	1.59E-10	2.04E-10	2.39E-11	7.39E-11	9.78E-11
5415	436891.1	3762164	2.84E-10	9.69E-10	1.25E-09	4.42E-11	1.58E-10	2.02E-10	2.38E-11	7.34E-11	9.72E-11
5416	436905.6	3762158	2.86E-10	9.77E-10	1.26E-09	4.45E-11	1.60E-10	2.04E-10	2.40E-11	7.40E-11	9.80E-11
5417	436920.1	3762152	2.89E-10	9.84E-10	1.27E-09	4.48E-11	1.61E-10	2.06E-10	2.41E-11	7.46E-11	9.87E-11
5418	436934.6	3762146	2.90E-10	9.88E-10	1.28E-09	4.50E-11	1.61E-10	2.06E-10	2.43E-11	7.49E-11	9.91E-11
5419	436949.1	3762139	2.91E-10	9.91E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.51E-11	9.94E-11
5420	436963.6	3762133	2.91E-10	9.92E-10	1.28E-09	4.52E-11	1.62E-10	2.07E-10	2.43E-11	7.51E-11	9.95E-11
5421	436978.1	3762127	2.91E-10	9.91E-10	1.28E-09	4.52E-11	1.62E-10	2.07E-10	2.43E-11	7.51E-11	9.94E-11
5422	436992.6	3762121	2.91E-10	9.91E-10	1.28E-09	4.52E-11	1.62E-10	2.07E-10	2.43E-11	7.51E-11	9.94E-11
5423	437007.1	3762115	2.91E-10	9.91E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.51E-11	9.94E-11
5424	437021.6	3762109	2.90E-10	9.90E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.50E-11	9.93E-11
5425	437340.5	3761976	2.42E-10	8.24E-10	1.07E-09	3.76E-11	1.35E-10	1.72E-10	2.02E-11	6.25E-11	8.27E-11

5426	437355	3761970	2.40E-10	8.20E-10	1.06E-09	3.73E-11	1.34E-10	1.71E-10	2.01E-11	6.21E-11	8.22E-11
5427	437369.5	3761964	2.39E-10	8.15E-10	1.05E-09	3.72E-11	1.33E-10	1.70E-10	2.00E-11	6.18E-11	8.18E-11
5428	436674	3762683	4.31E-10	1.47E-09	1.90E-09	6.69E-11	2.40E-10	3.07E-10	3.60E-11	1.11E-10	1.47E-10
5429	436674	3762699	4.34E-10	1.48E-09	1.92E-09	6.75E-11	2.42E-10	3.09E-10	3.64E-11	1.12E-10	1.49E-10
5430	436637	3762667	3.91E-10	1.33E-09	1.73E-09	6.08E-11	2.18E-10	2.79E-10	3.28E-11	1.01E-10	1.34E-10
5431	436643.1	3762653	3.93E-10	1.34E-09	1.73E-09	6.10E-11	2.19E-10	2.80E-10	3.29E-11	1.01E-10	1.34E-10
5432	436649.2	3762638	3.93E-10	1.34E-09	1.73E-09	6.10E-11	2.19E-10	2.80E-10	3.29E-11	1.02E-10	1.34E-10
5433	436655.2	3762623	3.92E-10	1.34E-09	1.73E-09	6.10E-11	2.19E-10	2.80E-10	3.28E-11	1.01E-10	1.34E-10
5434	436661.3	3762609	3.91E-10	1.33E-09	1.72E-09	6.08E-11	2.18E-10	2.79E-10	3.27E-11	1.01E-10	1.34E-10
5435	436667.4	3762594	3.89E-10	1.33E-09	1.72E-09	6.05E-11	2.17E-10	2.77E-10	3.26E-11	1.01E-10	1.33E-10
5436	436673.4	3762579	3.87E-10	1.32E-09	1.71E-09	6.01E-11	2.15E-10	2.76E-10	3.24E-11	9.99E-11	1.32E-10
5437	436679.5	3762565	3.84E-10	1.31E-09	1.69E-09	5.96E-11	2.14E-10	2.73E-10	3.21E-11	9.92E-11	1.31E-10
5438	436685.6	3762550	3.80E-10	1.30E-09	1.68E-09	5.91E-11	2.12E-10	2.71E-10	3.18E-11	9.83E-11	1.30E-10
5439	436691.7	3762535	3.77E-10	1.28E-09	1.66E-09	5.85E-11	2.10E-10	2.68E-10	3.15E-11	9.74E-11	1.29E-10
5440	436697.7	3762521	3.73E-10	1.27E-09	1.64E-09	5.79E-11	2.08E-10	2.66E-10	3.12E-11	9.63E-11	1.28E-10
5441	436703.8	3762506	3.69E-10	1.26E-09	1.63E-09	5.73E-11	2.05E-10	2.63E-10	3.09E-11	9.53E-11	1.26E-10
5442	436709.9	3762491	3.64E-10	1.24E-09	1.61E-09	5.66E-11	2.03E-10	2.60E-10	3.05E-11	9.42E-11	1.25E-10
5443	436728.1	3762447	3.51E-10	1.20E-09	1.55E-09	5.46E-11	1.96E-10	2.50E-10	2.94E-11	9.08E-11	1.20E-10
5444	436734.1	3762432	3.47E-10	1.18E-09	1.53E-09	5.39E-11	1.93E-10	2.47E-10	2.90E-11	8.97E-11	1.19E-10
5445	436740.2	3762418	3.43E-10	1.17E-09	1.51E-09	5.33E-11	1.91E-10	2.44E-10	2.87E-11	8.86E-11	1.17E-10
5446	436746.3	3762403	3.39E-10	1.16E-09	1.50E-09	5.27E-11	1.89E-10	2.42E-10	2.84E-11	8.76E-11	1.16E-10
5447	436752.4	3762388	3.35E-10	1.14E-09	1.48E-09	5.21E-11	1.87E-10	2.39E-10	2.81E-11	8.66E-11	1.15E-10
5448	436758.4	3762374	3.31E-10	1.13E-09	1.46E-09	5.15E-11	1.85E-10	2.36E-10	2.77E-11	8.56E-11	1.13E-10
5449	436782.7	3762315	3.15E-10	1.07E-09	1.39E-09	4.90E-11	1.76E-10	2.25E-10	2.64E-11	8.14E-11	1.08E-10
5450	436788.8	3762300	3.11E-10	1.06E-09	1.37E-09	4.83E-11	1.73E-10	2.22E-10	2.60E-11	8.04E-11	1.06E-10
5451	436794.8	3762285	3.07E-10	1.05E-09	1.35E-09	4.77E-11	1.71E-10	2.19E-10	2.57E-11	7.94E-11	1.05E-10
5452	436800.9	3762271	3.03E-10	1.03E-09	1.34E-09	4.71E-11	1.69E-10	2.16E-10	2.54E-11	7.83E-11	1.04E-10
5453	436807	3762256	2.99E-10	1.02E-09	1.32E-09	4.64E-11	1.66E-10	2.13E-10	2.50E-11	7.72E-11	1.02E-10
5454	436813.1	3762241	2.94E-10	1.00E-09	1.30E-09	4.57E-11	1.64E-10	2.10E-10	2.46E-11	7.60E-11	1.01E-10
5455	436819.1	3762227	2.90E-10	9.87E-10	1.28E-09	4.50E-11	1.61E-10	2.06E-10	2.42E-11	7.48E-11	9.91E-11
5456	436825.2	3762212	2.85E-10	9.71E-10	1.26E-09	4.42E-11	1.59E-10	2.03E-10	2.38E-11	7.36E-11	9.74E-11
5457	436831.3	3762197	2.80E-10	9.54E-10	1.23E-09	4.35E-11	1.56E-10	1.99E-10	2.34E-11	7.23E-11	9.57E-11
5458	436837.3	3762183	2.74E-10	9.36E-10	1.21E-09	4.27E-11	1.53E-10	1.96E-10	2.30E-11	7.09E-11	9.39E-11
5459	436843.4	3762168	2.70E-10	9.19E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.97E-11	9.22E-11
5460	436849.5	3762153	2.65E-10	9.03E-10	1.17E-09	4.11E-11	1.48E-10	1.89E-10	2.22E-11	6.84E-11	9.06E-11
5461	436862.9	3762135	2.61E-10	8.90E-10	1.15E-09	4.06E-11	1.45E-10	1.86E-10	2.19E-11	6.75E-11	8.93E-11
5462	436877.6	3762129	2.63E-10	8.97E-10	1.16E-09	4.09E-11	1.46E-10	1.87E-10	2.20E-11	6.79E-11	9.00E-11
5463	436892.2	3762123	2.65E-10	9.02E-10	1.17E-09	4.11E-11	1.47E-10	1.88E-10	2.21E-11	6.84E-11	9.05E-11
5464	436906.9	3762117	2.66E-10	9.06E-10	1.17E-09	4.13E-11	1.48E-10	1.89E-10	2.22E-11	6.87E-11	9.09E-11
5465	436921.6	3762111	2.67E-10	9.09E-10	1.18E-09	4.14E-11	1.49E-10	1.90E-10	2.23E-11	6.89E-11	9.12E-11
5466	436936.2	3762105	2.67E-10	9.11E-10	1.18E-09	4.15E-11	1.49E-10	1.90E-10	2.24E-11	6.90E-11	9.14E-11
5467	436950.9	3762099	2.67E-10	9.11E-10	1.18E-09	4.15E-11	1.49E-10	1.90E-10	2.24E-11	6.90E-11	9.14E-11
5468	436965.6	3762093	2.67E-10	9.10E-10	1.18E-09	4.15E-11	1.49E-10	1.90E-10	2.23E-11	6.90E-11	9.13E-11
5469	437244.4	3761976	2.33E-10	7.96E-10	1.03E-09	3.63E-11	1.30E-10	1.66E-10	1.95E-11	6.03E-11	7.98E-11
5470	437259	3761970	2.31E-10	7.88E-10	1.02E-09	3.59E-11	1.29E-10	1.65E-10	1.93E-11	5.97E-11	7.90E-11
5471	437273.7	3761964	2.29E-10	7.80E-10	1.01E-09	3.56E-11	1.27E-10	1.63E-10	1.92E-11	5.91E-11	7.83E-11
5472	437288.4	3761958	2.27E-10	7.74E-10	1.00E-09	3.53E-11	1.26E-10	1.62E-10	1.90E-11	5.86E-11	7.76E-11
5473	437303	3761952	2.25E-10	7.68E-10	9.93E-10	3.50E-11	1.25E-10	1.60E-10	1.89E-11	5.82E-11	7.71E-11
5474	437317.7	3761945	2.24E-10	7.63E-10	9.86E-10	3.48E-11	1.25E-10	1.59E-10	1.87E-11	5.78E-11	7.65E-11
5475	437332.4	3761939	2.22E-10	7.58E-10	9.81E-10	3.46E-11	1.24E-10	1.58E-10	1.86E-11	5.75E-11	7.61E-11
5476	437347.1	3761933	2.21E-10	7.54E-10	9.76E-10	3.44E-11	1.23E-10	1.58E-10	1.85E-11	5.72E-11	7.57E-11
5477	437361.7	3761927	2.20E-10	7.51E-10	9.71E-10	3.42E-11	1.23E-10	1.57E-10	1.84E-11	5.69E-11	7.53E-11
5478	436634	3762683	3.92E-10	1.34E-09	1.73E-09	6.10E-11	2.19E-10	2.80E-10	3.29E-11	1.01E-10	1.34E-10
5479	436634	3762699	3.96E-10	1.35E-09	1.74E-09	6.15E-11	2.20E-10	2.82E-10	3.31E-11	1.02E-10	1.35E-10
5480	436597	3762668	3.59E-10	1.22E-09	1.58E-09	5.57E-11	2.00E-10	2.56E-10	3.00E-11	9.27E-11	1.23E-10
5481	436603.1	3762653	3.60E-10	1.23E-09	1.59E-09	5.59E-11	2.00E-10	2.56E-10	3.01E-11	9.30E-11	1.23E-10
5482	436609.1	3762638	3.60E-10	1.23E-09	1.59E-09	5.60E-11	2.01E-10	2.57E-10	3.02E-11	9.31E-11	1.23E-10
5483	436615.2	3762624	3.60E-10	1.23E-09	1.59E-09	5.60E-11	2.01E-10	2.57E-10	3.01E-11	9.31E-11	1.23E-10
5484	436621.2	3762609	3.59E-10	1.23E-09	1.58E-09	5.58E-11	2.00E-10	2.56E-10	3.01E-11	9.28E-11	1.23E-10
5485	436627.3	3762594	3.58E-10	1.22E-09	1.58E-09	5.56E-11	1.99E-10	2.55E-10	3.00E-11	9.25E-11	1.22E-10
5486	436633.4	3762580	3.56E-10	1.21E-09	1.57E-09	5.53E-11	1.98E-10	2.54E-10	2.98E-11	9.20E-11	1.22E-10

5487	436639.4	3762565	3.54E-10	1.21E-09	1.56E-09	5.50E-11	1.97E-10	2.52E-10	2.96E-11	9.14E-11	1.21E-10
5488	436645.5	3762550	3.51E-10	1.20E-09	1.55E-09	5.46E-11	1.96E-10	2.50E-10	2.94E-11	9.07E-11	1.20E-10
5489	436651.5	3762536	3.48E-10	1.19E-09	1.54E-09	5.41E-11	1.94E-10	2.48E-10	2.91E-11	8.99E-11	1.19E-10
5490	436657.6	3762521	3.45E-10	1.18E-09	1.52E-09	5.36E-11	1.92E-10	2.46E-10	2.89E-11	8.91E-11	1.18E-10
5491	436663.7	3762506	3.41E-10	1.16E-09	1.50E-09	5.30E-11	1.90E-10	2.43E-10	2.86E-11	8.82E-11	1.17E-10
5492	436669.7	3762492	3.37E-10	1.15E-09	1.49E-09	5.24E-11	1.88E-10	2.40E-10	2.82E-11	8.72E-11	1.15E-10
5493	436687.9	3762448	3.26E-10	1.11E-09	1.44E-09	5.06E-11	1.81E-10	2.32E-10	2.73E-11	8.41E-11	1.11E-10
5494	436693.9	3762433	3.22E-10	1.10E-09	1.42E-09	5.00E-11	1.79E-10	2.29E-10	2.69E-11	8.31E-11	1.10E-10
5495	436700	3762418	3.18E-10	1.08E-09	1.40E-09	4.94E-11	1.77E-10	2.27E-10	2.66E-11	8.21E-11	1.09E-10
5496	436706.1	3762404	3.15E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.63E-11	8.13E-11	1.08E-10
5497	436712.1	3762389	3.11E-10	1.06E-09	1.37E-09	4.83E-11	1.73E-10	2.22E-10	2.60E-11	8.04E-11	1.06E-10
5498	436736.3	3762330	2.97E-10	1.01E-09	1.31E-09	4.62E-11	1.66E-10	2.12E-10	2.49E-11	7.68E-11	1.02E-10
5499	436742.4	3762316	2.94E-10	1.00E-09	1.30E-09	4.57E-11	1.64E-10	2.09E-10	2.46E-11	7.60E-11	1.01E-10
5500	436748.5	3762301	2.91E-10	9.91E-10	1.28E-09	4.52E-11	1.62E-10	2.07E-10	2.43E-11	7.51E-11	9.95E-11
5501	436790.9	3762198	2.65E-10	9.05E-10	1.17E-09	4.12E-11	1.48E-10	1.89E-10	2.22E-11	6.86E-11	9.08E-11
5502	436796.9	3762184	2.61E-10	8.91E-10	1.15E-09	4.06E-11	1.46E-10	1.86E-10	2.19E-11	6.75E-11	8.94E-11
5503	436803	3762169	2.57E-10	8.77E-10	1.13E-09	3.99E-11	1.43E-10	1.83E-10	2.15E-11	6.64E-11	8.79E-11
5504	436809	3762154	2.53E-10	8.61E-10	1.11E-09	3.92E-11	1.41E-10	1.80E-10	2.11E-11	6.53E-11	8.64E-11
5505	436815.1	3762140	2.48E-10	8.47E-10	1.10E-09	3.86E-11	1.38E-10	1.77E-10	2.08E-11	6.42E-11	8.50E-11
5506	436821.2	3762125	2.44E-10	8.33E-10	1.08E-09	3.80E-11	1.36E-10	1.74E-10	2.04E-11	6.31E-11	8.36E-11
5507	436834.5	3762107	2.41E-10	8.22E-10	1.06E-09	3.74E-11	1.34E-10	1.72E-10	2.02E-11	6.23E-11	8.24E-11
5508	436849.2	3762101	2.42E-10	8.27E-10	1.07E-09	3.77E-11	1.35E-10	1.73E-10	2.03E-11	6.27E-11	8.29E-11
5509	437142	3761979	2.28E-10	7.79E-10	1.01E-09	3.55E-11	1.27E-10	1.63E-10	1.91E-11	5.90E-11	7.81E-11
5510	437156.6	3761973	2.26E-10	7.72E-10	9.98E-10	3.52E-11	1.26E-10	1.61E-10	1.89E-11	5.85E-11	7.74E-11
5511	437171.3	3761967	2.24E-10	7.64E-10	9.89E-10	3.48E-11	1.25E-10	1.60E-10	1.88E-11	5.79E-11	7.67E-11
5512	437185.9	3761960	2.22E-10	7.57E-10	9.79E-10	3.45E-11	1.24E-10	1.58E-10	1.86E-11	5.74E-11	7.59E-11
5513	437200.6	3761954	2.20E-10	7.50E-10	9.70E-10	3.42E-11	1.23E-10	1.57E-10	1.84E-11	5.68E-11	7.52E-11
5514	437215.2	3761948	2.18E-10	7.43E-10	9.61E-10	3.39E-11	1.21E-10	1.55E-10	1.82E-11	5.63E-11	7.45E-11
5515	437229.9	3761942	2.16E-10	7.36E-10	9.51E-10	3.35E-11	1.20E-10	1.54E-10	1.81E-11	5.57E-11	7.38E-11
5516	437244.5	3761936	2.14E-10	7.29E-10	9.43E-10	3.32E-11	1.19E-10	1.52E-10	1.79E-11	5.52E-11	7.31E-11
5517	437259.1	3761930	2.12E-10	7.23E-10	9.35E-10	3.29E-11	1.18E-10	1.51E-10	1.77E-11	5.48E-11	7.25E-11
5518	437273.8	3761924	2.10E-10	7.17E-10	9.27E-10	3.27E-11	1.17E-10	1.50E-10	1.76E-11	5.43E-11	7.19E-11
5519	437288.4	3761918	2.09E-10	7.12E-10	9.21E-10	3.24E-11	1.16E-10	1.49E-10	1.75E-11	5.40E-11	7.14E-11
5520	437303.1	3761912	2.07E-10	7.07E-10	9.15E-10	3.22E-11	1.16E-10	1.48E-10	1.74E-11	5.36E-11	7.09E-11
5521	437317.7	3761905	2.06E-10	7.03E-10	9.10E-10	3.20E-11	1.15E-10	1.47E-10	1.73E-11	5.33E-11	7.06E-11
5522	437332.3	3761899	2.05E-10	7.00E-10	9.05E-10	3.19E-11	1.14E-10	1.46E-10	1.72E-11	5.30E-11	7.02E-11
5523	437347	3761893	2.04E-10	6.97E-10	9.01E-10	3.17E-11	1.14E-10	1.46E-10	1.71E-11	5.28E-11	6.99E-11
5524	436594	3762683	3.59E-10	1.23E-09	1.58E-09	5.58E-11	2.00E-10	2.56E-10	3.01E-11	9.29E-11	1.23E-10
5525	436594	3762699	3.62E-10	1.23E-09	1.60E-09	5.62E-11	2.02E-10	2.58E-10	3.03E-11	9.35E-11	1.24E-10
5526	436575.1	3762624	3.32E-10	1.13E-09	1.47E-09	5.16E-11	1.85E-10	2.37E-10	2.78E-11	8.58E-11	1.14E-10
5527	436581.2	3762609	3.32E-10	1.13E-09	1.46E-09	5.15E-11	1.85E-10	2.36E-10	2.78E-11	8.57E-11	1.13E-10
5528	436587.2	3762594	3.31E-10	1.13E-09	1.46E-09	5.14E-11	1.84E-10	2.36E-10	2.77E-11	8.54E-11	1.13E-10
5529	436593.3	3762580	3.29E-10	1.12E-09	1.45E-09	5.11E-11	1.83E-10	2.34E-10	2.75E-11	8.50E-11	1.13E-10
5530	436599.3	3762565	3.27E-10	1.12E-09	1.44E-09	5.08E-11	1.82E-10	2.33E-10	2.74E-11	8.45E-11	1.12E-10
5531	436605.4	3762550	3.25E-10	1.11E-09	1.43E-09	5.05E-11	1.81E-10	2.31E-10	2.72E-11	8.39E-11	1.11E-10
5532	436611.4	3762536	3.22E-10	1.10E-09	1.42E-09	5.01E-11	1.80E-10	2.30E-10	2.70E-11	8.33E-11	1.10E-10
5533	436617.5	3762521	3.20E-10	1.09E-09	1.41E-09	4.97E-11	1.78E-10	2.28E-10	2.68E-11	8.26E-11	1.09E-10
5534	436623.5	3762507	3.17E-10	1.08E-09	1.40E-09	4.92E-11	1.76E-10	2.26E-10	2.65E-11	8.18E-11	1.08E-10
5535	436629.6	3762492	3.14E-10	1.07E-09	1.38E-09	4.87E-11	1.75E-10	2.23E-10	2.62E-11	8.10E-11	1.07E-10
5536	436647.7	3762448	3.03E-10	1.03E-09	1.34E-09	4.71E-11	1.69E-10	2.16E-10	2.54E-11	7.84E-11	1.04E-10
5537	436653.8	3762433	3.00E-10	1.02E-09	1.32E-09	4.66E-11	1.67E-10	2.14E-10	2.51E-11	7.75E-11	1.03E-10
5538	436659.8	3762419	2.96E-10	1.01E-09	1.31E-09	4.60E-11	1.65E-10	2.11E-10	2.48E-11	7.66E-11	1.01E-10
5539	436665.8	3762404	2.93E-10	1.00E-09	1.29E-09	4.56E-11	1.63E-10	2.09E-10	2.45E-11	7.58E-11	1.00E-10
5540	436671.9	3762389	2.90E-10	9.90E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.50E-11	9.93E-11
5541	436690	3762345	2.81E-10	9.60E-10	1.24E-09	4.37E-11	1.57E-10	2.01E-10	2.36E-11	7.27E-11	9.63E-11
5542	436696.1	3762331	2.78E-10	9.49E-10	1.23E-09	4.33E-11	1.55E-10	1.98E-10	2.33E-11	7.19E-11	9.52E-11
5543	436702.1	3762316	2.75E-10	9.39E-10	1.21E-09	4.28E-11	1.53E-10	1.96E-10	2.30E-11	7.11E-11	9.42E-11
5544	436708.2	3762302	2.72E-10	9.28E-10	1.20E-09	4.23E-11	1.52E-10	1.94E-10	2.28E-11	7.03E-11	9.31E-11
5545	436714.2	3762287	2.69E-10	9.17E-10	1.19E-09	4.18E-11	1.50E-10	1.92E-10	2.25E-11	6.95E-11	9.20E-11
5546	436720.3	3762272	2.66E-10	9.07E-10	1.17E-09	4.13E-11	1.48E-10	1.90E-10	2.23E-11	6.87E-11	9.10E-11
5547	436726.3	3762258	2.63E-10	8.97E-10	1.16E-09	4.09E-11	1.46E-10	1.87E-10	2.20E-11	6.79E-11	9.00E-11

5548	436732.4	3762243	2.60E-10	8.86E-10	1.15E-09	4.03E-11	1.45E-10	1.85E-10	2.17E-11	6.71E-11	8.88E-11
5549	436738.4	3762228	2.57E-10	8.76E-10	1.13E-09	3.99E-11	1.43E-10	1.83E-10	2.15E-11	6.63E-11	8.78E-11
5550	436744.5	3762214	2.54E-10	8.66E-10	1.12E-09	3.94E-11	1.41E-10	1.81E-10	2.12E-11	6.56E-11	8.68E-11
5551	437054.6	3761975	2.21E-10	7.52E-10	9.73E-10	3.43E-11	1.23E-10	1.57E-10	1.85E-11	5.70E-11	7.55E-11
5552	437069.2	3761969	2.19E-10	7.48E-10	9.67E-10	3.41E-11	1.22E-10	1.56E-10	1.83E-11	5.66E-11	7.50E-11
5553	437083.9	3761963	2.18E-10	7.42E-10	9.59E-10	3.38E-11	1.21E-10	1.55E-10	1.82E-11	5.62E-11	7.44E-11
5554	437098.5	3761957	2.16E-10	7.35E-10	9.51E-10	3.35E-11	1.20E-10	1.54E-10	1.80E-11	5.57E-11	7.38E-11
5555	437113.1	3761951	2.14E-10	7.28E-10	9.42E-10	3.32E-11	1.19E-10	1.52E-10	1.79E-11	5.52E-11	7.31E-11
5556	437127.7	3761945	2.12E-10	7.21E-10	9.33E-10	3.29E-11	1.18E-10	1.51E-10	1.77E-11	5.47E-11	7.24E-11
5557	437142.3	3761939	2.10E-10	7.15E-10	9.25E-10	3.26E-11	1.17E-10	1.49E-10	1.75E-11	5.42E-11	7.17E-11
5558	437156.9	3761932	2.08E-10	7.08E-10	9.16E-10	3.23E-11	1.16E-10	1.48E-10	1.74E-11	5.37E-11	7.11E-11
5559	437171.5	3761926	2.06E-10	7.02E-10	9.08E-10	3.20E-11	1.15E-10	1.47E-10	1.72E-11	5.32E-11	7.04E-11
5560	437186.2	3761920	2.04E-10	6.95E-10	8.99E-10	3.17E-11	1.14E-10	1.45E-10	1.71E-11	5.27E-11	6.98E-11
5561	437200.8	3761914	2.02E-10	6.89E-10	8.91E-10	3.14E-11	1.13E-10	1.44E-10	1.69E-11	5.22E-11	6.91E-11
5562	437215.4	3761908	2.00E-10	6.83E-10	8.83E-10	3.11E-11	1.12E-10	1.43E-10	1.68E-11	5.17E-11	6.85E-11
5563	437230	3761902	1.99E-10	6.77E-10	8.76E-10	3.08E-11	1.11E-10	1.41E-10	1.66E-11	5.13E-11	6.79E-11
5564	437244.6	3761896	1.97E-10	6.71E-10	8.68E-10	3.06E-11	1.10E-10	1.40E-10	1.65E-11	5.09E-11	6.74E-11
5565	437259.2	3761890	1.95E-10	6.67E-10	8.62E-10	3.04E-11	1.09E-10	1.39E-10	1.64E-11	5.05E-11	6.69E-11
5566	436517	3762668	3.05E-10	1.04E-09	1.35E-09	4.75E-11	1.70E-10	2.18E-10	2.56E-11	7.89E-11	1.04E-10
5567	436523	3762653	3.07E-10	1.05E-09	1.35E-09	4.77E-11	1.71E-10	2.19E-10	2.57E-11	7.93E-11	1.05E-10
5568	436529.1	3762638	3.08E-10	1.05E-09	1.36E-09	4.78E-11	1.71E-10	2.19E-10	2.57E-11	7.95E-11	1.05E-10
5569	436535.1	3762624	3.08E-10	1.05E-09	1.36E-09	4.78E-11	1.72E-10	2.19E-10	2.58E-11	7.95E-11	1.05E-10
5570	436541.1	3762609	3.08E-10	1.05E-09	1.36E-09	4.78E-11	1.71E-10	2.19E-10	2.57E-11	7.95E-11	1.05E-10
5571	436547.2	3762594	3.07E-10	1.05E-09	1.35E-09	4.77E-11	1.71E-10	2.19E-10	2.57E-11	7.93E-11	1.05E-10
5572	436577.4	3762521	2.98E-10	1.02E-09	1.31E-09	4.63E-11	1.66E-10	2.12E-10	2.49E-11	7.69E-11	1.02E-10
5573	436583.4	3762507	2.95E-10	1.01E-09	1.30E-09	4.59E-11	1.64E-10	2.10E-10	2.47E-11	7.63E-11	1.01E-10
5574	436589.4	3762492	2.92E-10	9.97E-10	1.29E-09	4.54E-11	1.63E-10	2.08E-10	2.45E-11	7.56E-11	1.00E-10
5575	436595.5	3762478	2.90E-10	9.87E-10	1.28E-09	4.50E-11	1.61E-10	2.06E-10	2.42E-11	7.48E-11	9.91E-11
5576	436607.6	3762448	2.84E-10	9.67E-10	1.25E-09	4.41E-11	1.58E-10	2.02E-10	2.37E-11	7.33E-11	9.70E-11
5577	436613.6	3762434	2.81E-10	9.57E-10	1.24E-09	4.36E-11	1.56E-10	2.00E-10	2.35E-11	7.25E-11	9.60E-11
5578	436619.6	3762419	2.78E-10	9.47E-10	1.22E-09	4.31E-11	1.55E-10	1.98E-10	2.32E-11	7.17E-11	9.50E-11
5579	436625.7	3762405	2.75E-10	9.36E-10	1.21E-09	4.27E-11	1.53E-10	1.96E-10	2.30E-11	7.10E-11	9.39E-11
5580	436631.7	3762390	2.72E-10	9.27E-10	1.20E-09	4.22E-11	1.51E-10	1.94E-10	2.27E-11	7.02E-11	9.30E-11
5581	436649.8	3762346	2.63E-10	8.98E-10	1.16E-09	4.09E-11	1.47E-10	1.88E-10	2.20E-11	6.80E-11	9.01E-11
5582	436655.8	3762331	2.61E-10	8.88E-10	1.15E-09	4.05E-11	1.45E-10	1.86E-10	2.18E-11	6.73E-11	8.91E-11
5583	436661.9	3762317	2.58E-10	8.79E-10	1.14E-09	4.01E-11	1.44E-10	1.84E-10	2.16E-11	6.66E-11	8.82E-11
5584	436667.9	3762302	2.55E-10	8.71E-10	1.13E-09	3.97E-11	1.42E-10	1.82E-10	2.14E-11	6.60E-11	8.73E-11
5585	436674	3762288	2.53E-10	8.62E-10	1.11E-09	3.93E-11	1.41E-10	1.80E-10	2.12E-11	6.53E-11	8.65E-11
5586	436680	3762273	2.50E-10	8.53E-10	1.10E-09	3.89E-11	1.39E-10	1.78E-10	2.09E-11	6.46E-11	8.56E-11
5587	436686	3762258	2.47E-10	8.43E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.39E-11	8.46E-11
5588	436692.1	3762244	2.44E-10	8.33E-10	1.08E-09	3.80E-11	1.36E-10	1.74E-10	2.05E-11	6.31E-11	8.36E-11
5589	436698.1	3762229	2.42E-10	8.24E-10	1.07E-09	3.75E-11	1.35E-10	1.72E-10	2.02E-11	6.24E-11	8.27E-11
5590	436704.1	3762215	2.39E-10	8.15E-10	1.05E-09	3.71E-11	1.33E-10	1.70E-10	2.00E-11	6.18E-11	8.18E-11
5591	436710.2	3762200	2.36E-10	8.06E-10	1.04E-09	3.67E-11	1.32E-10	1.68E-10	1.98E-11	6.11E-11	8.09E-11
5592	436952.9	3761978	2.11E-10	7.19E-10	9.30E-10	3.28E-11	1.17E-10	1.50E-10	1.76E-11	5.45E-11	7.21E-11
5593	436967.5	3761972	2.10E-10	7.15E-10	9.25E-10	3.26E-11	1.17E-10	1.49E-10	1.76E-11	5.42E-11	7.17E-11
5594	436982.1	3761965	2.09E-10	7.12E-10	9.21E-10	3.24E-11	1.16E-10	1.49E-10	1.75E-11	5.40E-11	7.14E-11
5595	436996.7	3761959	2.08E-10	7.10E-10	9.18E-10	3.23E-11	1.16E-10	1.48E-10	1.74E-11	5.38E-11	7.12E-11
5596	437011.3	3761953	2.07E-10	7.07E-10	9.14E-10	3.22E-11	1.15E-10	1.48E-10	1.74E-11	5.36E-11	7.09E-11
5597	437025.9	3761947	2.06E-10	7.04E-10	9.10E-10	3.21E-11	1.15E-10	1.47E-10	1.73E-11	5.33E-11	7.06E-11
5598	437040.4	3761941	2.05E-10	7.00E-10	9.05E-10	3.19E-11	1.14E-10	1.46E-10	1.72E-11	5.30E-11	7.02E-11
5599	437055	3761935	2.04E-10	6.95E-10	8.99E-10	3.17E-11	1.14E-10	1.45E-10	1.71E-11	5.27E-11	6.97E-11
5600	437069.6	3761929	2.02E-10	6.89E-10	8.91E-10	3.14E-11	1.13E-10	1.44E-10	1.69E-11	5.22E-11	6.91E-11
5601	437084.2	3761923	2.00E-10	6.83E-10	8.83E-10	3.11E-11	1.12E-10	1.43E-10	1.68E-11	5.18E-11	6.85E-11
5602	437098.8	3761917	1.99E-10	6.77E-10	8.76E-10	3.08E-11	1.11E-10	1.41E-10	1.66E-11	5.13E-11	6.79E-11
5603	437113.4	3761911	1.97E-10	6.71E-10	8.68E-10	3.06E-11	1.10E-10	1.40E-10	1.65E-11	5.09E-11	6.73E-11
5604	437128	3761905	1.95E-10	6.65E-10	8.61E-10	3.03E-11	1.09E-10	1.39E-10	1.63E-11	5.04E-11	6.68E-11
5605	437142.6	3761898	1.93E-10	6.60E-10	8.53E-10	3.01E-11	1.08E-10	1.38E-10	1.62E-11	5.00E-11	6.62E-11
5606	437157.2	3761892	1.92E-10	6.54E-10	8.45E-10	2.98E-11	1.07E-10	1.37E-10	1.60E-11	4.95E-11	6.56E-11
5607	436514	3762683	3.06E-10	1.04E-09	1.35E-09	4.75E-11	1.70E-10	2.18E-10	2.56E-11	7.90E-11	1.05E-10
5608	436514	3762699	3.07E-10	1.05E-09	1.35E-09	4.77E-11	1.71E-10	2.19E-10	2.57E-11	7.93E-11	1.05E-10

5609	436477	3762668	2.83E-10	9.66E-10	1.25E-09	4.40E-11	1.58E-10	2.02E-10	2.37E-11	7.32E-11	9.70E-11
5610	436483	3762653	2.85E-10	9.71E-10	1.26E-09	4.42E-11	1.59E-10	2.03E-10	2.38E-11	7.36E-11	9.74E-11
5611	436489.1	3762638	2.86E-10	9.74E-10	1.26E-09	4.44E-11	1.59E-10	2.03E-10	2.39E-11	7.38E-11	9.77E-11
5612	436495.1	3762624	2.86E-10	9.75E-10	1.26E-09	4.44E-11	1.59E-10	2.04E-10	2.39E-11	7.39E-11	9.78E-11
5613	436501.1	3762609	2.86E-10	9.75E-10	1.26E-09	4.44E-11	1.59E-10	2.04E-10	2.39E-11	7.39E-11	9.79E-11
5614	436507.1	3762595	2.86E-10	9.74E-10	1.26E-09	4.44E-11	1.59E-10	2.04E-10	2.39E-11	7.38E-11	9.77E-11
5615	436513.2	3762580	2.85E-10	9.72E-10	1.26E-09	4.43E-11	1.59E-10	2.03E-10	2.39E-11	7.36E-11	9.75E-11
5616	436519.2	3762565	2.84E-10	9.68E-10	1.25E-09	4.41E-11	1.58E-10	2.02E-10	2.38E-11	7.33E-11	9.71E-11
5617	436525.2	3762551	2.82E-10	9.63E-10	1.25E-09	4.39E-11	1.57E-10	2.01E-10	2.36E-11	7.30E-11	9.66E-11
5618	436531.2	3762536	2.81E-10	9.57E-10	1.24E-09	4.36E-11	1.56E-10	2.00E-10	2.35E-11	7.25E-11	9.60E-11
5619	436537.3	3762522	2.78E-10	9.50E-10	1.23E-09	4.33E-11	1.55E-10	1.98E-10	2.33E-11	7.20E-11	9.53E-11
5620	436543.3	3762507	2.76E-10	9.42E-10	1.22E-09	4.29E-11	1.54E-10	1.97E-10	2.31E-11	7.13E-11	9.45E-11
5621	436549.3	3762492	2.74E-10	9.33E-10	1.21E-09	4.25E-11	1.52E-10	1.95E-10	2.29E-11	7.07E-11	9.36E-11
5622	436579.5	3762420	2.60E-10	8.86E-10	1.15E-09	4.04E-11	1.45E-10	1.85E-10	2.17E-11	6.71E-11	8.89E-11
5623	436585.5	3762405	2.57E-10	8.77E-10	1.13E-09	4.00E-11	1.43E-10	1.83E-10	2.15E-11	6.65E-11	8.80E-11
5624	436591.5	3762390	2.55E-10	8.69E-10	1.12E-09	3.96E-11	1.42E-10	1.82E-10	2.13E-11	6.58E-11	8.72E-11
5625	436603.6	3762361	2.50E-10	8.51E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.45E-11	8.54E-11
5626	436609.6	3762347	2.47E-10	8.43E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.38E-11	8.45E-11
5627	436615.6	3762332	2.45E-10	8.34E-10	1.08E-09	3.80E-11	1.36E-10	1.74E-10	2.05E-11	6.32E-11	8.36E-11
5628	436621.7	3762317	2.42E-10	8.26E-10	1.07E-09	3.76E-11	1.35E-10	1.72E-10	2.03E-11	6.26E-11	8.28E-11
5629	436627.7	3762303	2.40E-10	8.17E-10	1.06E-09	3.72E-11	1.33E-10	1.71E-10	2.01E-11	6.19E-11	8.20E-11
5630	436633.7	3762288	2.37E-10	8.09E-10	1.05E-09	3.69E-11	1.32E-10	1.69E-10	1.99E-11	6.13E-11	8.12E-11
5631	436639.7	3762274	2.35E-10	8.02E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.97E-11	6.07E-11	8.04E-11
5632	436645.8	3762259	2.33E-10	7.94E-10	1.03E-09	3.62E-11	1.30E-10	1.66E-10	1.95E-11	6.01E-11	7.96E-11
5633	436651.8	3762244	2.30E-10	7.85E-10	1.02E-09	3.58E-11	1.28E-10	1.64E-10	1.93E-11	5.95E-11	7.88E-11
5634	436657.8	3762230	2.28E-10	7.78E-10	1.01E-09	3.54E-11	1.27E-10	1.62E-10	1.91E-11	5.89E-11	7.80E-11
5635	436663.8	3762215	2.26E-10	7.70E-10	9.96E-10	3.51E-11	1.26E-10	1.61E-10	1.89E-11	5.83E-11	7.72E-11
5636	436669.9	3762201	2.23E-10	7.62E-10	9.86E-10	3.47E-11	1.24E-10	1.59E-10	1.87E-11	5.77E-11	7.64E-11
5637	436675.9	3762186	2.21E-10	7.55E-10	9.76E-10	3.44E-11	1.23E-10	1.58E-10	1.85E-11	5.72E-11	7.57E-11
5638	436681.9	3762171	2.19E-10	7.47E-10	9.66E-10	3.40E-11	1.22E-10	1.56E-10	1.83E-11	5.66E-11	7.49E-11
5639	436730.1	3762055	1.98E-10	6.76E-10	8.74E-10	3.08E-11	1.10E-10	1.41E-10	1.66E-11	5.12E-11	6.78E-11
5640	436851.5	3761980	1.97E-10	6.73E-10	8.70E-10	3.07E-11	1.10E-10	1.41E-10	1.65E-11	5.10E-11	6.75E-11
5641	436866	3761974	1.98E-10	6.74E-10	8.72E-10	3.07E-11	1.10E-10	1.41E-10	1.65E-11	5.11E-11	6.76E-11
5642	436880.6	3761968	1.98E-10	6.75E-10	8.73E-10	3.07E-11	1.10E-10	1.41E-10	1.66E-11	5.11E-11	6.77E-11
5643	436895.2	3761962	1.98E-10	6.75E-10	8.73E-10	3.08E-11	1.10E-10	1.41E-10	1.66E-11	5.12E-11	6.77E-11
5644	436909.7	3761956	1.98E-10	6.75E-10	8.73E-10	3.07E-11	1.10E-10	1.41E-10	1.66E-11	5.11E-11	6.77E-11
5645	436924.3	3761950	1.98E-10	6.74E-10	8.71E-10	3.07E-11	1.10E-10	1.41E-10	1.65E-11	5.10E-11	6.76E-11
5646	436938.9	3761943	1.97E-10	6.71E-10	8.68E-10	3.06E-11	1.10E-10	1.40E-10	1.65E-11	5.09E-11	6.74E-11
5647	436953.4	3761937	1.96E-10	6.69E-10	8.65E-10	3.05E-11	1.09E-10	1.40E-10	1.64E-11	5.07E-11	6.71E-11
5648	436968	3761931	1.95E-10	6.67E-10	8.62E-10	3.04E-11	1.09E-10	1.39E-10	1.64E-11	5.05E-11	6.69E-11
5649	436982.6	3761925	1.95E-10	6.64E-10	8.58E-10	3.02E-11	1.08E-10	1.39E-10	1.63E-11	5.03E-11	6.66E-11
5650	436997.1	3761919	1.94E-10	6.60E-10	8.54E-10	3.01E-11	1.08E-10	1.38E-10	1.62E-11	5.00E-11	6.62E-11
5651	437011.7	3761913	1.93E-10	6.56E-10	8.49E-10	2.99E-11	1.07E-10	1.37E-10	1.61E-11	4.97E-11	6.59E-11
5652	437026.3	3761907	1.91E-10	6.52E-10	8.43E-10	2.97E-11	1.07E-10	1.36E-10	1.60E-11	4.94E-11	6.54E-11
5653	437040.8	3761901	1.90E-10	6.48E-10	8.37E-10	2.95E-11	1.06E-10	1.35E-10	1.59E-11	4.91E-11	6.50E-11
5654	437055.4	3761895	1.88E-10	6.42E-10	8.31E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.87E-11	6.45E-11
5655	437070	3761889	1.87E-10	6.37E-10	8.24E-10	2.90E-11	1.04E-10	1.33E-10	1.56E-11	4.83E-11	6.39E-11
5656	436474	3762683	2.83E-10	9.66E-10	1.25E-09	4.40E-11	1.58E-10	2.02E-10	2.37E-11	7.32E-11	9.70E-11
5657	436474	3762699	2.85E-10	9.71E-10	1.26E-09	4.42E-11	1.59E-10	2.03E-10	2.38E-11	7.35E-11	9.74E-11
5658	436437	3762668	2.64E-10	9.00E-10	1.16E-09	4.10E-11	1.47E-10	1.88E-10	2.21E-11	6.82E-11	9.03E-11
5659	436443	3762653	2.65E-10	9.04E-10	1.17E-09	4.12E-11	1.48E-10	1.89E-10	2.22E-11	6.85E-11	9.07E-11
5660	436449	3762638	2.66E-10	9.07E-10	1.17E-09	4.13E-11	1.48E-10	1.90E-10	2.23E-11	6.87E-11	9.10E-11
5661	436455.1	3762624	2.67E-10	9.09E-10	1.18E-09	4.14E-11	1.48E-10	1.90E-10	2.23E-11	6.89E-11	9.12E-11
5662	436461.1	3762609	2.67E-10	9.10E-10	1.18E-09	4.15E-11	1.49E-10	1.90E-10	2.23E-11	6.89E-11	9.13E-11
5663	436467.1	3762595	2.67E-10	9.09E-10	1.18E-09	4.14E-11	1.49E-10	1.90E-10	2.23E-11	6.89E-11	9.12E-11
5664	436473.1	3762580	2.66E-10	9.07E-10	1.17E-09	4.14E-11	1.48E-10	1.90E-10	2.23E-11	6.88E-11	9.10E-11
5665	436479.1	3762566	2.65E-10	9.05E-10	1.17E-09	4.12E-11	1.48E-10	1.89E-10	2.22E-11	6.85E-11	9.08E-11
5666	436485.1	3762551	2.64E-10	9.00E-10	1.16E-09	4.10E-11	1.47E-10	1.88E-10	2.21E-11	6.82E-11	9.03E-11
5667	436491.2	3762536	2.63E-10	8.96E-10	1.16E-09	4.08E-11	1.46E-10	1.87E-10	2.20E-11	6.79E-11	8.99E-11
5668	436497.2	3762522	2.61E-10	8.90E-10	1.15E-09	4.05E-11	1.45E-10	1.86E-10	2.18E-11	6.74E-11	8.92E-11
5669	436503.2	3762507	2.59E-10	8.83E-10	1.14E-09	4.02E-11	1.44E-10	1.84E-10	2.17E-11	6.69E-11	8.85E-11

5670	436509.2	3762493	2.57E-10	8.75E-10	1.13E-09	3.99E-11	1.43E-10	1.83E-10	2.15E-11	6.63E-11	8.78E-11
5671	436515.2	3762478	2.54E-10	8.67E-10	1.12E-09	3.95E-11	1.42E-10	1.81E-10	2.13E-11	6.57E-11	8.69E-11
5672	436521.3	3762464	2.52E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.61E-11
5673	436527.3	3762449	2.49E-10	8.50E-10	1.10E-09	3.87E-11	1.39E-10	1.77E-10	2.09E-11	6.44E-11	8.52E-11
5674	436533.3	3762434	2.47E-10	8.41E-10	1.09E-09	3.83E-11	1.37E-10	1.76E-10	2.06E-11	6.37E-11	8.44E-11
5675	436539.3	3762420	2.44E-10	8.32E-10	1.08E-09	3.79E-11	1.36E-10	1.74E-10	2.04E-11	6.31E-11	8.35E-11
5676	436545.3	3762405	2.42E-10	8.24E-10	1.07E-09	3.75E-11	1.35E-10	1.72E-10	2.02E-11	6.24E-11	8.27E-11
5677	436569.4	3762347	2.32E-10	7.92E-10	1.02E-09	3.61E-11	1.29E-10	1.66E-10	1.94E-11	6.00E-11	7.95E-11
5678	436575.4	3762332	2.30E-10	7.85E-10	1.01E-09	3.57E-11	1.28E-10	1.64E-10	1.93E-11	5.94E-11	7.87E-11
5679	436581.4	3762318	2.28E-10	7.77E-10	1.00E-09	3.54E-11	1.27E-10	1.62E-10	1.91E-11	5.89E-11	7.80E-11
5680	436587.5	3762303	2.26E-10	7.70E-10	9.95E-10	3.51E-11	1.26E-10	1.61E-10	1.89E-11	5.83E-11	7.72E-11
5681	436593.5	3762289	2.24E-10	7.63E-10	9.86E-10	3.48E-11	1.25E-10	1.59E-10	1.87E-11	5.78E-11	7.65E-11
5682	436599.5	3762274	2.22E-10	7.56E-10	9.78E-10	3.44E-11	1.24E-10	1.58E-10	1.86E-11	5.73E-11	7.58E-11
5683	436605.5	3762260	2.20E-10	7.49E-10	9.69E-10	3.41E-11	1.22E-10	1.57E-10	1.84E-11	5.68E-11	7.52E-11
5684	436611.5	3762245	2.18E-10	7.43E-10	9.61E-10	3.38E-11	1.21E-10	1.55E-10	1.82E-11	5.63E-11	7.45E-11
5685	436617.6	3762230	2.16E-10	7.36E-10	9.52E-10	3.35E-11	1.20E-10	1.54E-10	1.81E-11	5.58E-11	7.38E-11
5686	436623.6	3762216	2.14E-10	7.30E-10	9.44E-10	3.32E-11	1.19E-10	1.52E-10	1.79E-11	5.53E-11	7.32E-11
5687	436629.6	3762201	2.12E-10	7.23E-10	9.35E-10	3.29E-11	1.18E-10	1.51E-10	1.77E-11	5.48E-11	7.25E-11
5688	436635.6	3762187	2.10E-10	7.15E-10	9.25E-10	3.26E-11	1.17E-10	1.49E-10	1.76E-11	5.42E-11	7.18E-11
5689	436641.6	3762172	2.08E-10	7.08E-10	9.16E-10	3.23E-11	1.16E-10	1.48E-10	1.74E-11	5.37E-11	7.11E-11
5690	436647.7	3762158	2.06E-10	7.01E-10	9.07E-10	3.19E-11	1.15E-10	1.46E-10	1.72E-11	5.31E-11	7.03E-11
5691	436653.7	3762143	2.04E-10	6.94E-10	8.98E-10	3.16E-11	1.13E-10	1.45E-10	1.70E-11	5.26E-11	6.96E-11
5692	436659.7	3762128	2.01E-10	6.87E-10	8.88E-10	3.13E-11	1.12E-10	1.44E-10	1.69E-11	5.21E-11	6.89E-11
5693	436808.4	3761958	1.85E-10	6.29E-10	8.14E-10	2.87E-11	1.03E-10	1.31E-10	1.54E-11	4.77E-11	6.31E-11
5694	436823	3761952	1.85E-10	6.30E-10	8.15E-10	2.87E-11	1.03E-10	1.32E-10	1.55E-11	4.77E-11	6.32E-11
5695	436837.5	3761946	1.85E-10	6.31E-10	8.16E-10	2.88E-11	1.03E-10	1.32E-10	1.55E-11	4.78E-11	6.33E-11
5696	436852.1	3761940	1.85E-10	6.32E-10	8.17E-10	2.88E-11	1.03E-10	1.32E-10	1.55E-11	4.79E-11	6.34E-11
5697	436866.6	3761934	1.85E-10	6.32E-10	8.17E-10	2.88E-11	1.03E-10	1.32E-10	1.55E-11	4.79E-11	6.34E-11
5698	436881.2	3761927	1.85E-10	6.32E-10	8.17E-10	2.88E-11	1.03E-10	1.32E-10	1.55E-11	4.79E-11	6.34E-11
5699	436895.7	3761921	1.85E-10	6.31E-10	8.16E-10	2.88E-11	1.03E-10	1.32E-10	1.55E-11	4.78E-11	6.33E-11
5700	436910.2	3761915	1.85E-10	6.30E-10	8.15E-10	2.87E-11	1.03E-10	1.32E-10	1.55E-11	4.78E-11	6.32E-11
5701	436924.8	3761909	1.84E-10	6.29E-10	8.13E-10	2.87E-11	1.03E-10	1.31E-10	1.54E-11	4.77E-11	6.31E-11
5702	436939.3	3761903	1.84E-10	6.27E-10	8.11E-10	2.86E-11	1.02E-10	1.31E-10	1.54E-11	4.75E-11	6.29E-11
5703	436953.9	3761897	1.83E-10	6.24E-10	8.07E-10	2.84E-11	1.02E-10	1.30E-10	1.53E-11	4.73E-11	6.26E-11
5704	436968.4	3761891	1.82E-10	6.20E-10	8.02E-10	2.83E-11	1.01E-10	1.30E-10	1.52E-11	4.70E-11	6.22E-11
5705	436983	3761885	1.81E-10	6.17E-10	7.97E-10	2.81E-11	1.01E-10	1.29E-10	1.51E-11	4.67E-11	6.19E-11
5706	436434	3762683	2.64E-10	9.00E-10	1.16E-09	4.10E-11	1.47E-10	1.88E-10	2.21E-11	6.82E-11	9.02E-11
5707	436434	3762699	2.65E-10	9.03E-10	1.17E-09	4.11E-11	1.47E-10	1.89E-10	2.22E-11	6.84E-11	9.06E-11
5708	436397	3762667	2.46E-10	8.40E-10	1.09E-09	3.83E-11	1.37E-10	1.76E-10	2.06E-11	6.37E-11	8.43E-11
5709	436403.1	3762653	2.48E-10	8.45E-10	1.09E-09	3.85E-11	1.38E-10	1.76E-10	2.07E-11	6.40E-11	8.47E-11
5710	436409.2	3762638	2.49E-10	8.48E-10	1.10E-09	3.86E-11	1.39E-10	1.77E-10	2.08E-11	6.42E-11	8.51E-11
5711	436415.2	3762623	2.49E-10	8.50E-10	1.10E-09	3.87E-11	1.39E-10	1.78E-10	2.09E-11	6.44E-11	8.53E-11
5712	436421.3	3762609	2.50E-10	8.51E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.45E-11	8.54E-11
5713	436427.4	3762594	2.50E-10	8.51E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.45E-11	8.54E-11
5714	436433.5	3762579	2.49E-10	8.50E-10	1.10E-09	3.87E-11	1.39E-10	1.77E-10	2.09E-11	6.44E-11	8.52E-11
5715	436439.5	3762565	2.48E-10	8.47E-10	1.10E-09	3.86E-11	1.38E-10	1.77E-10	2.08E-11	6.42E-11	8.50E-11
5716	436445.6	3762550	2.47E-10	8.44E-10	1.09E-09	3.85E-11	1.38E-10	1.76E-10	2.07E-11	6.40E-11	8.47E-11
5717	436451.7	3762535	2.46E-10	8.40E-10	1.09E-09	3.83E-11	1.37E-10	1.75E-10	2.06E-11	6.36E-11	8.42E-11
5718	436457.8	3762520	2.45E-10	8.35E-10	1.08E-09	3.80E-11	1.36E-10	1.74E-10	2.05E-11	6.32E-11	8.37E-11
5719	436463.8	3762506	2.43E-10	8.29E-10	1.07E-09	3.78E-11	1.35E-10	1.73E-10	2.03E-11	6.28E-11	8.31E-11
5720	436469.9	3762491	2.41E-10	8.23E-10	1.06E-09	3.75E-11	1.34E-10	1.72E-10	2.02E-11	6.23E-11	8.25E-11
5721	436476	3762476	2.39E-10	8.16E-10	1.05E-09	3.72E-11	1.33E-10	1.70E-10	2.00E-11	6.18E-11	8.18E-11
5722	436482.1	3762462	2.37E-10	8.08E-10	1.04E-09	3.68E-11	1.32E-10	1.69E-10	1.98E-11	6.12E-11	8.10E-11
5723	436488.1	3762447	2.34E-10	7.99E-10	1.03E-09	3.64E-11	1.31E-10	1.67E-10	1.96E-11	6.06E-11	8.02E-11
5724	436494.2	3762432	2.32E-10	7.91E-10	1.02E-09	3.61E-11	1.29E-10	1.65E-10	1.94E-11	6.00E-11	7.94E-11
5725	436500.3	3762418	2.30E-10	7.83E-10	1.01E-09	3.57E-11	1.28E-10	1.64E-10	1.92E-11	5.93E-11	7.85E-11
5726	436506.3	3762403	2.27E-10	7.75E-10	1.00E-09	3.53E-11	1.27E-10	1.62E-10	1.90E-11	5.88E-11	7.78E-11
5727	436512.4	3762388	2.25E-10	7.68E-10	9.93E-10	3.50E-11	1.25E-10	1.60E-10	1.88E-11	5.82E-11	7.70E-11
5728	436518.5	3762373	2.23E-10	7.60E-10	9.83E-10	3.46E-11	1.24E-10	1.59E-10	1.87E-11	5.76E-11	7.63E-11
5729	436530.6	3762344	2.19E-10	7.45E-10	9.64E-10	3.40E-11	1.22E-10	1.56E-10	1.83E-11	5.65E-11	7.48E-11
5730	436536.7	3762329	2.17E-10	7.38E-10	9.55E-10	3.36E-11	1.21E-10	1.54E-10	1.81E-11	5.59E-11	7.41E-11

5731	436542.8	3762315	2.15E-10	7.32E-10	9.46E-10	3.33E-11	1.20E-10	1.53E-10	1.80E-11	5.55E-11	7.34E-11
5732	436548.9	3762300	2.13E-10	7.25E-10	9.38E-10	3.30E-11	1.18E-10	1.52E-10	1.78E-11	5.50E-11	7.28E-11
5733	436554.9	3762285	2.11E-10	7.19E-10	9.30E-10	3.28E-11	1.17E-10	1.50E-10	1.76E-11	5.45E-11	7.21E-11
5734	436561	3762271	2.09E-10	7.13E-10	9.22E-10	3.25E-11	1.17E-10	1.49E-10	1.75E-11	5.40E-11	7.16E-11
5735	436567.1	3762256	2.08E-10	7.08E-10	9.15E-10	3.22E-11	1.16E-10	1.48E-10	1.74E-11	5.36E-11	7.10E-11
5736	436573.2	3762241	2.06E-10	7.02E-10	9.08E-10	3.20E-11	1.15E-10	1.47E-10	1.72E-11	5.32E-11	7.04E-11
5737	436579.2	3762226	2.04E-10	6.96E-10	9.01E-10	3.17E-11	1.14E-10	1.45E-10	1.71E-11	5.28E-11	6.99E-11
5738	436585.3	3762212	2.03E-10	6.91E-10	8.93E-10	3.15E-11	1.13E-10	1.44E-10	1.69E-11	5.23E-11	6.93E-11
5739	436591.4	3762197	2.01E-10	6.84E-10	8.85E-10	3.12E-11	1.12E-10	1.43E-10	1.68E-11	5.18E-11	6.86E-11
5740	436597.5	3762182	1.99E-10	6.78E-10	8.76E-10	3.09E-11	1.11E-10	1.42E-10	1.66E-11	5.14E-11	6.80E-11
5741	436603.5	3762168	1.97E-10	6.71E-10	8.67E-10	3.06E-11	1.10E-10	1.40E-10	1.65E-11	5.08E-11	6.73E-11
5742	436609.6	3762153	1.95E-10	6.64E-10	8.58E-10	3.02E-11	1.08E-10	1.39E-10	1.63E-11	5.03E-11	6.66E-11
5743	436615.7	3762138	1.93E-10	6.58E-10	8.51E-10	3.00E-11	1.07E-10	1.37E-10	1.61E-11	4.98E-11	6.60E-11
5744	436621.7	3762123	1.91E-10	6.51E-10	8.42E-10	2.97E-11	1.06E-10	1.36E-10	1.60E-11	4.94E-11	6.53E-11
5745	436676.4	3761991	1.73E-10	5.90E-10	7.62E-10	2.69E-11	9.63E-11	1.23E-10	1.45E-11	4.47E-11	5.91E-11
5746	436682.5	3761976	1.70E-10	5.80E-10	7.51E-10	2.64E-11	9.48E-11	1.21E-10	1.42E-11	4.40E-11	5.82E-11
5747	436692.9	3761966	1.69E-10	5.77E-10	7.47E-10	2.63E-11	9.43E-11	1.21E-10	1.42E-11	4.38E-11	5.79E-11
5748	436707.5	3761960	1.70E-10	5.81E-10	7.51E-10	2.65E-11	9.48E-11	1.21E-10	1.43E-11	4.40E-11	5.82E-11
5749	436722.2	3761954	1.71E-10	5.83E-10	7.54E-10	2.66E-11	9.52E-11	1.22E-10	1.43E-11	4.42E-11	5.85E-11
5750	436795.6	3761923	1.73E-10	5.91E-10	7.65E-10	2.69E-11	9.66E-11	1.24E-10	1.45E-11	4.48E-11	5.93E-11
5751	436810.3	3761917	1.74E-10	5.92E-10	7.66E-10	2.70E-11	9.68E-11	1.24E-10	1.45E-11	4.49E-11	5.94E-11
5752	436825	3761911	1.74E-10	5.93E-10	7.67E-10	2.70E-11	9.69E-11	1.24E-10	1.46E-11	4.50E-11	5.95E-11
5753	436839.7	3761905	1.74E-10	5.94E-10	7.68E-10	2.71E-11	9.70E-11	1.24E-10	1.46E-11	4.50E-11	5.96E-11
5754	436854.3	3761899	1.74E-10	5.93E-10	7.67E-10	2.70E-11	9.69E-11	1.24E-10	1.46E-11	4.50E-11	5.95E-11
5755	436869	3761892	1.74E-10	5.93E-10	7.67E-10	2.70E-11	9.69E-11	1.24E-10	1.46E-11	4.49E-11	5.95E-11
5756	436883.7	3761886	1.74E-10	5.92E-10	7.66E-10	2.70E-11	9.67E-11	1.24E-10	1.45E-11	4.49E-11	5.94E-11
5757	436898.4	3761880	1.73E-10	5.91E-10	7.64E-10	2.69E-11	9.65E-11	1.23E-10	1.45E-11	4.48E-11	5.93E-11
5758	436913.1	3761874	1.73E-10	5.90E-10	7.63E-10	2.69E-11	9.64E-11	1.23E-10	1.45E-11	4.47E-11	5.92E-11
5759	436927.7	3761868	1.72E-10	5.88E-10	7.61E-10	2.68E-11	9.61E-11	1.23E-10	1.44E-11	4.46E-11	5.90E-11
5760	436942.4	3761862	1.72E-10	5.85E-10	7.57E-10	2.67E-11	9.56E-11	1.22E-10	1.44E-11	4.43E-11	5.87E-11
5761	436394	3762683	2.46E-10	8.39E-10	1.09E-09	3.82E-11	1.37E-10	1.75E-10	2.06E-11	6.36E-11	8.42E-11
5762	436394	3762699	2.47E-10	8.42E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.38E-11	8.44E-11
5763	437371.1	3762659	1.10E-08	3.75E-08	4.85E-08	1.71E-09	6.12E-09	7.83E-09	9.20E-10	2.84E-09	3.76E-09
5764	437363	3762579	4.08E-09	1.39E-08	1.80E-08	6.34E-10	2.27E-09	2.91E-09	3.41E-10	1.05E-09	1.40E-09
5765	437362.9	3762559	3.39E-09	1.16E-08	1.50E-08	5.27E-10	1.89E-09	2.42E-09	2.84E-10	8.76E-10	1.16E-09
5766	437362.8	3762539	2.86E-09	9.74E-09	1.26E-08	4.44E-10	1.59E-09	2.03E-09	2.39E-10	7.38E-10	9.77E-10
5767	437385.3	3762519	2.55E-09	8.68E-09	1.12E-08	3.95E-10	1.42E-09	1.81E-09	2.13E-10	6.58E-10	8.71E-10
5768	437362.7	3762519	2.43E-09	8.29E-09	1.07E-08	3.78E-10	1.35E-09	1.73E-09	2.03E-10	6.28E-10	8.31E-10
5769	437385.2	3762499	2.18E-09	7.42E-09	9.60E-09	3.38E-10	1.21E-09	1.55E-09	1.82E-10	5.63E-10	7.45E-10
5770	437362.5	3762499	2.09E-09	7.13E-09	9.22E-09	3.25E-10	1.16E-09	1.49E-09	1.75E-10	5.40E-10	7.15E-10
5771	437385.1	3762479	1.88E-09	6.42E-09	8.30E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.86E-10	6.44E-10
5772	437362.4	3762479	1.81E-09	6.19E-09	8.00E-09	2.82E-10	1.01E-09	1.29E-09	1.52E-10	4.69E-10	6.21E-10
5773	437384.9	3762459	1.64E-09	5.59E-09	7.23E-09	2.55E-10	9.13E-10	1.17E-09	1.37E-10	4.24E-10	5.61E-10
5774	437362.3	3762459	1.59E-09	5.41E-09	7.00E-09	2.47E-10	8.84E-10	1.13E-09	1.33E-10	4.10E-10	5.43E-10
5775	437384.8	3762439	1.44E-09	4.91E-09	6.35E-09	2.24E-10	8.02E-10	1.03E-09	1.21E-10	3.72E-10	4.93E-10
5776	437362.2	3762439	1.40E-09	4.77E-09	6.17E-09	2.17E-10	7.79E-10	9.96E-10	1.17E-10	3.61E-10	4.78E-10
5777	437369.6	3762419	1.25E-09	4.27E-09	5.52E-09	1.94E-10	6.97E-10	8.92E-10	1.05E-10	3.23E-10	4.28E-10
5778	437369.5	3762399	1.12E-09	3.81E-09	4.92E-09	1.73E-10	6.22E-10	7.95E-10	9.34E-11	2.88E-10	3.82E-10
5779	437384.4	3762369	9.64E-10	3.29E-09	4.25E-09	1.50E-10	5.37E-10	6.87E-10	8.07E-11	2.49E-10	3.30E-10
5780	437369.3	3762369	9.50E-10	3.24E-09	4.19E-09	1.48E-10	5.29E-10	6.77E-10	7.95E-11	2.45E-10	3.25E-10
5781	437384.2	3762339	8.29E-10	2.83E-09	3.65E-09	1.29E-10	4.62E-10	5.90E-10	6.94E-11	2.14E-10	2.84E-10
5782	437369.1	3762339	8.18E-10	2.79E-09	3.61E-09	1.27E-10	4.55E-10	5.82E-10	6.84E-11	2.11E-10	2.80E-10
5783	437384	3762309	7.20E-10	2.46E-09	3.18E-09	1.12E-10	4.01E-10	5.13E-10	6.03E-11	1.86E-10	2.46E-10
5784	437368.9	3762309	7.11E-10	2.43E-09	3.14E-09	1.11E-10	3.96E-10	5.07E-10	5.95E-11	1.84E-10	2.43E-10
5785	437383.8	3762279	6.32E-10	2.15E-09	2.79E-09	9.82E-11	3.52E-10	4.50E-10	5.29E-11	1.63E-10	2.16E-10
5786	437368.7	3762279	6.25E-10	2.13E-09	2.75E-09	9.70E-11	3.48E-10	4.45E-10	5.23E-11	1.61E-10	2.14E-10
5787	437383.6	3762249	5.59E-10	1.91E-09	2.47E-09	8.69E-11	3.12E-10	3.99E-10	4.68E-11	1.45E-10	1.91E-10
5788	437368.5	3762249	5.53E-10	1.89E-09	2.44E-09	8.60E-11	3.08E-10	3.94E-10	4.63E-11	1.43E-10	1.89E-10
5789	437383.4	3762219	4.99E-10	1.70E-09	2.20E-09	7.76E-11	2.78E-10	3.56E-10	4.18E-11	1.29E-10	1.71E-10
5790	437368.3	3762219	4.94E-10	1.68E-09	2.18E-09	7.68E-11	2.75E-10	3.52E-10	4.13E-11	1.28E-10	1.69E-10
5791	437383.2	3762189	4.49E-10	1.53E-09	1.98E-09	6.97E-11	2.50E-10	3.20E-10	3.76E-11	1.16E-10	1.54E-10

5792	437368.1	3762189	4.44E-10	1.51E-09	1.96E-09	6.90E-11	2.47E-10	3.16E-10	3.72E-11	1.15E-10	1.52E-10
5793	437383	3762159	4.06E-10	1.38E-09	1.79E-09	6.31E-11	2.26E-10	2.89E-10	3.40E-11	1.05E-10	1.39E-10
5794	437368	3762159	4.02E-10	1.37E-09	1.77E-09	6.25E-11	2.24E-10	2.86E-10	3.37E-11	1.04E-10	1.38E-10
5795	437382.9	3762129	3.70E-10	1.26E-09	1.63E-09	5.74E-11	2.06E-10	2.63E-10	3.09E-11	9.55E-11	1.26E-10
5796	437367.8	3762129	3.66E-10	1.25E-09	1.61E-09	5.69E-11	2.04E-10	2.61E-10	3.06E-11	9.46E-11	1.25E-10
5797	437382.7	3762099	3.38E-10	1.15E-09	1.49E-09	5.26E-11	1.88E-10	2.41E-10	2.83E-11	8.74E-11	1.16E-10
5798	437367.6	3762099	3.35E-10	1.14E-09	1.48E-09	5.21E-11	1.87E-10	2.39E-10	2.81E-11	8.66E-11	1.15E-10
5799	437374.4	3761979	2.48E-10	8.45E-10	1.09E-09	3.85E-11	1.38E-10	1.77E-10	2.08E-11	6.41E-11	8.48E-11
5800	437359.3	3761979	2.46E-10	8.38E-10	1.08E-09	3.82E-11	1.37E-10	1.75E-10	2.06E-11	6.35E-11	8.41E-11
5801	437359	3761939	2.25E-10	7.68E-10	9.93E-10	3.50E-11	1.25E-10	1.60E-10	1.89E-11	5.82E-11	7.71E-11
5802	437358.8	3761899	2.08E-10	7.09E-10	9.16E-10	3.23E-11	1.16E-10	1.48E-10	1.74E-11	5.37E-11	7.11E-11
5803	437353.8	3762709	2.20E-08	7.50E-08	9.70E-08	3.42E-09	1.23E-08	1.57E-08	1.84E-09	5.68E-09	7.53E-09
5804	437353.8	3762718	2.65E-08	9.03E-08	1.17E-07	4.11E-09	1.47E-08	1.89E-08	2.22E-09	6.84E-09	9.06E-09
5805	437353.8	3762728	3.17E-08	1.08E-07	1.40E-07	4.93E-09	1.77E-08	2.26E-08	2.66E-09	8.20E-09	1.09E-08
5806	437353.8	3762738	3.69E-08	1.26E-07	1.63E-07	5.74E-09	2.06E-08	2.63E-08	3.09E-09	9.54E-09	1.26E-08
5807	437353.8	3762747	4.12E-08	1.41E-07	1.82E-07	6.40E-09	2.30E-08	2.94E-08	3.45E-09	1.06E-08	1.41E-08
5808	437353.8	3762757	4.42E-08	1.51E-07	1.95E-07	6.87E-09	2.46E-08	3.15E-08	3.70E-09	1.14E-08	1.51E-08
5809	437353.8	3762767	4.62E-08	1.57E-07	2.04E-07	7.17E-09	2.57E-08	3.29E-08	3.86E-09	1.19E-08	1.58E-08
5810	437353.8	3762776	4.74E-08	1.62E-07	2.09E-07	7.36E-09	2.64E-08	3.37E-08	3.97E-09	1.22E-08	1.62E-08
5811	437353.8	3762786	4.77E-08	1.63E-07	2.10E-07	7.41E-09	2.66E-08	3.40E-08	3.99E-09	1.23E-08	1.63E-08
5812	437353.8	3762796	4.73E-08	1.61E-07	2.09E-07	7.35E-09	2.63E-08	3.37E-08	3.96E-09	1.22E-08	1.62E-08
5813	437353.8	3762806	4.64E-08	1.58E-07	2.04E-07	7.20E-09	2.58E-08	3.30E-08	3.88E-09	1.20E-08	1.59E-08
5814	437353.8	3762815	4.48E-08	1.53E-07	1.98E-07	6.97E-09	2.50E-08	3.19E-08	3.75E-09	1.16E-08	1.53E-08
5815	437353.8	3762825	4.27E-08	1.45E-07	1.88E-07	6.63E-09	2.38E-08	3.04E-08	3.57E-09	1.10E-08	1.46E-08
5816	437353.8	3762835	3.97E-08	1.36E-07	1.75E-07	6.18E-09	2.21E-08	2.83E-08	3.33E-09	1.03E-08	1.36E-08
5817	437353.8	3762844	3.62E-08	1.23E-07	1.59E-07	5.62E-09	2.01E-08	2.58E-08	3.03E-09	9.34E-09	1.24E-08
5818	437353.8	3762854	3.18E-08	1.09E-07	1.40E-07	4.95E-09	1.77E-08	2.27E-08	2.66E-09	8.23E-09	1.09E-08
5819	437343.8	3762709	1.86E-08	6.34E-08	8.20E-08	2.89E-09	1.04E-08	1.32E-08	1.56E-09	4.80E-09	6.36E-09
5820	437343.8	3762718	2.17E-08	7.39E-08	9.56E-08	3.37E-09	1.21E-08	1.54E-08	1.82E-09	5.60E-09	7.42E-09
5821	437343.8	3762728	2.51E-08	8.57E-08	1.11E-07	3.91E-09	1.40E-08	1.79E-08	2.10E-09	6.49E-09	8.60E-09
5822	437343.8	3762738	2.85E-08	9.72E-08	1.26E-07	4.43E-09	1.59E-08	2.03E-08	2.39E-09	7.36E-09	9.75E-09
5823	437343.8	3762747	3.13E-08	1.07E-07	1.38E-07	4.87E-09	1.75E-08	2.23E-08	2.62E-09	8.10E-09	1.07E-08
5824	437343.8	3762757	3.34E-08	1.14E-07	1.47E-07	5.19E-09	1.86E-08	2.38E-08	2.80E-09	8.64E-09	1.14E-08
5825	437343.8	3762767	3.48E-08	1.19E-07	1.54E-07	5.41E-09	1.94E-08	2.48E-08	2.91E-09	9.00E-09	1.19E-08
5826	437343.8	3762776	3.57E-08	1.22E-07	1.57E-07	5.54E-09	1.99E-08	2.54E-08	2.99E-09	9.22E-09	1.22E-08
5827	437343.8	3762786	3.59E-08	1.23E-07	1.59E-07	5.58E-09	2.00E-08	2.56E-08	3.01E-09	9.29E-09	1.23E-08
5828	437343.8	3762796	3.57E-08	1.22E-07	1.57E-07	5.55E-09	1.99E-08	2.54E-08	2.99E-09	9.22E-09	1.22E-08
5829	437343.8	3762806	3.50E-08	1.19E-07	1.54E-07	5.44E-09	1.95E-08	2.49E-08	2.93E-09	9.04E-09	1.20E-08
5830	437343.8	3762815	3.38E-08	1.15E-07	1.49E-07	5.25E-09	1.88E-08	2.41E-08	2.83E-09	8.73E-09	1.16E-08
5831	437343.8	3762825	3.21E-08	1.10E-07	1.42E-07	4.99E-09	1.79E-08	2.29E-08	2.69E-09	8.31E-09	1.10E-08
5832	437343.8	3762835	3.00E-08	1.02E-07	1.32E-07	4.66E-09	1.67E-08	2.14E-08	2.51E-09	7.75E-09	1.03E-08
5833	437343.8	3762844	2.75E-08	9.38E-08	1.21E-07	4.27E-09	1.53E-08	1.96E-08	2.30E-09	7.10E-09	9.41E-09
5834	437343.8	3762854	2.47E-08	8.42E-08	1.09E-07	3.83E-09	1.37E-08	1.76E-08	2.07E-09	6.38E-09	8.44E-09
5835	437313.8	3762718	1.30E-08	4.44E-08	5.75E-08	2.03E-09	7.26E-09	9.29E-09	1.09E-09	3.37E-09	4.46E-09
5836	437313.8	3762728	1.43E-08	4.87E-08	6.29E-08	2.22E-09	7.95E-09	1.02E-08	1.19E-09	3.69E-09	4.88E-09
5837	437313.8	3762738	1.55E-08	5.27E-08	6.81E-08	2.40E-09	8.61E-09	1.10E-08	1.29E-09	3.99E-09	5.29E-09
5838	437313.8	3762747	1.65E-08	5.63E-08	7.28E-08	2.57E-09	9.20E-09	1.18E-08	1.38E-09	4.27E-09	5.65E-09
5839	437313.8	3762757	1.74E-08	5.92E-08	7.66E-08	2.70E-09	9.68E-09	1.24E-08	1.45E-09	4.49E-09	5.94E-09
5840	437313.8	3762767	1.80E-08	6.14E-08	7.94E-08	2.80E-09	1.00E-08	1.28E-08	1.51E-09	4.65E-09	6.16E-09
5841	437313.8	3762776	1.84E-08	6.28E-08	8.13E-08	2.86E-09	1.03E-08	1.31E-08	1.54E-09	4.76E-09	6.30E-09
5842	437313.8	3762786	1.86E-08	6.35E-08	8.21E-08	2.89E-09	1.04E-08	1.33E-08	1.56E-09	4.81E-09	6.37E-09
5843	437313.8	3762796	1.86E-08	6.34E-08	8.20E-08	2.89E-09	1.04E-08	1.33E-08	1.56E-09	4.81E-09	6.36E-09
5844	437313.8	3762806	1.84E-08	6.26E-08	8.10E-08	2.85E-09	1.02E-08	1.31E-08	1.54E-09	4.75E-09	6.28E-09
5845	437313.8	3762815	1.79E-08	6.10E-08	7.89E-08	2.78E-09	9.97E-09	1.28E-08	1.50E-09	4.63E-09	6.12E-09
5846	437313.8	3762825	1.72E-08	5.87E-08	7.59E-08	2.67E-09	9.59E-09	1.23E-08	1.44E-09	4.45E-09	5.89E-09
5847	437313.8	3762835	1.63E-08	5.57E-08	7.20E-08	2.54E-09	9.10E-09	1.16E-08	1.37E-09	4.22E-09	5.59E-09
5848	437303.8	3762718	1.13E-08	3.86E-08	5.00E-08	1.76E-09	6.31E-09	8.07E-09	9.49E-10	2.93E-09	3.88E-09
5849	437303.8	3762728	1.23E-08	4.19E-08	5.42E-08	1.91E-09	6.84E-09	8.75E-09	1.03E-09	3.17E-09	4.20E-09
5850	437303.8	3762738	1.32E-08	4.49E-08	5.81E-08	2.05E-09	7.34E-09	9.39E-09	1.10E-09	3.41E-09	4.51E-09
5851	437303.8	3762747	1.40E-08	4.77E-08	6.17E-08	2.17E-09	7.79E-09	9.97E-09	1.17E-09	3.62E-09	4.79E-09
5852	437303.8	3762757	1.47E-08	5.00E-08	6.46E-08	2.28E-09	8.16E-09	1.04E-08	1.23E-09	3.79E-09	5.01E-09

5853	437303.8	3762767	1.52E-08	5.17E-08	6.68E-08	2.36E-09	8.44E-09	1.08E-08	1.27E-09	3.92E-09	5.19E-09
5854	437303.8	3762776	1.55E-08	5.28E-08	6.83E-08	2.41E-09	8.63E-09	1.10E-08	1.30E-09	4.00E-09	5.30E-09
5855	437303.8	3762786	1.57E-08	5.34E-08	6.91E-08	2.43E-09	8.72E-09	1.12E-08	1.31E-09	4.05E-09	5.36E-09
5856	437303.8	3762796	1.57E-08	5.34E-08	6.90E-08	2.43E-09	8.72E-09	1.12E-08	1.31E-09	4.04E-09	5.35E-09
5857	437303.8	3762806	1.55E-08	5.28E-08	6.82E-08	2.40E-09	8.62E-09	1.10E-08	1.30E-09	4.00E-09	5.29E-09
5858	437303.8	3762815	1.51E-08	5.16E-08	6.67E-08	2.35E-09	8.42E-09	1.08E-08	1.27E-09	3.91E-09	5.17E-09
5859	437303.8	3762825	1.46E-08	4.98E-08	6.44E-08	2.27E-09	8.13E-09	1.04E-08	1.22E-09	3.77E-09	5.00E-09
5860	437303.8	3762835	1.39E-08	4.75E-08	6.15E-08	2.17E-09	7.76E-09	9.93E-09	1.17E-09	3.60E-09	4.77E-09
5861	437293.8	3762718	9.96E-09	3.40E-08	4.39E-08	1.55E-09	5.55E-09	7.10E-09	8.34E-10	2.57E-09	3.41E-09
5862	437293.8	3762728	1.07E-08	3.65E-08	4.72E-08	1.66E-09	5.96E-09	7.62E-09	8.96E-10	2.77E-09	3.66E-09
5863	437293.8	3762738	1.14E-08	3.89E-08	5.03E-08	1.77E-09	6.35E-09	8.12E-09	9.55E-10	2.95E-09	3.90E-09
5864	437293.8	3762747	1.20E-08	4.10E-08	5.31E-08	1.87E-09	6.71E-09	8.58E-09	1.01E-09	3.11E-09	4.12E-09
5865	437293.8	3762757	1.26E-08	4.28E-08	5.54E-08	1.95E-09	7.00E-09	8.95E-09	1.05E-09	3.25E-09	4.30E-09
5866	437293.8	3762767	1.30E-08	4.42E-08	5.72E-08	2.01E-09	7.22E-09	9.23E-09	1.08E-09	3.35E-09	4.43E-09
5867	437293.8	3762776	1.32E-08	4.51E-08	5.83E-08	2.06E-09	7.37E-09	9.43E-09	1.11E-09	3.42E-09	4.53E-09
5868	437293.8	3762786	1.34E-08	4.56E-08	5.90E-08	2.08E-09	7.45E-09	9.52E-09	1.12E-09	3.45E-09	4.57E-09
5869	437293.8	3762796	1.34E-08	4.56E-08	5.89E-08	2.08E-09	7.45E-09	9.52E-09	1.12E-09	3.45E-09	4.57E-09
5870	437293.8	3762806	1.32E-08	4.51E-08	5.83E-08	2.06E-09	7.37E-09	9.43E-09	1.11E-09	3.42E-09	4.53E-09
5871	437293.8	3762815	1.30E-08	4.42E-08	5.72E-08	2.01E-09	7.22E-09	9.24E-09	1.09E-09	3.35E-09	4.43E-09
5872	437293.8	3762825	1.26E-08	4.29E-08	5.54E-08	1.95E-09	7.00E-09	8.95E-09	1.05E-09	3.25E-09	4.30E-09
5873	437293.8	3762835	1.21E-08	4.11E-08	5.32E-08	1.87E-09	6.71E-09	8.59E-09	1.01E-09	3.11E-09	4.12E-09
5874	437287.1	3762691	7.40E-09	2.52E-08	3.26E-08	1.15E-09	4.12E-09	5.27E-09	6.20E-10	1.91E-09	2.53E-09
5875	437283.8	3762718	8.83E-09	3.01E-08	3.89E-08	1.37E-09	4.92E-09	6.29E-09	7.39E-10	2.28E-09	3.02E-09
5876	437283.8	3762728	9.42E-09	3.21E-08	4.15E-08	1.46E-09	5.25E-09	6.71E-09	7.89E-10	2.43E-09	3.22E-09
5877	437283.8	3762738	9.98E-09	3.40E-08	4.40E-08	1.55E-09	5.56E-09	7.11E-09	8.35E-10	2.58E-09	3.41E-09
5878	437283.8	3762747	1.05E-08	3.58E-08	4.62E-08	1.63E-09	5.84E-09	7.47E-09	8.78E-10	2.71E-09	3.59E-09
5879	437283.8	3762757	1.09E-08	3.72E-08	4.81E-08	1.69E-09	6.07E-09	7.77E-09	9.13E-10	2.82E-09	3.73E-09
5880	437283.8	3762767	1.12E-08	3.83E-08	4.95E-08	1.74E-09	6.25E-09	8.00E-09	9.39E-10	2.90E-09	3.84E-09
5881	437283.8	3762776	1.14E-08	3.90E-08	5.05E-08	1.78E-09	6.38E-09	8.15E-09	9.58E-10	2.96E-09	3.92E-09
5882	437283.8	3762786	1.16E-08	3.94E-08	5.10E-08	1.80E-09	6.44E-09	8.23E-09	9.67E-10	2.99E-09	3.95E-09
5883	437283.8	3762796	1.16E-08	3.94E-08	5.10E-08	1.80E-09	6.44E-09	8.24E-09	9.68E-10	2.99E-09	3.96E-09
5884	437283.8	3762806	1.15E-08	3.91E-08	5.05E-08	1.78E-09	6.38E-09	8.16E-09	9.59E-10	2.96E-09	3.92E-09
5885	437283.8	3762815	1.12E-08	3.84E-08	4.96E-08	1.75E-09	6.27E-09	8.01E-09	9.42E-10	2.91E-09	3.85E-09
5886	437283.8	3762825	1.09E-08	3.73E-08	4.83E-08	1.70E-09	6.10E-09	7.80E-09	9.16E-10	2.83E-09	3.74E-09
5887	437283.8	3762835	1.05E-08	3.59E-08	4.65E-08	1.64E-09	5.87E-09	7.51E-09	8.82E-10	2.72E-09	3.60E-09
5888	437283.8	3762844	1.00E-08	3.43E-08	4.43E-08	1.56E-09	5.60E-09	7.16E-09	8.41E-10	2.60E-09	3.44E-09
5889	437283.6	3762675	6.30E-09	2.15E-08	2.78E-08	9.78E-10	3.51E-09	4.49E-09	5.27E-10	1.63E-09	2.15E-09
5890	437290.2	3762659	5.83E-09	1.99E-08	2.57E-08	9.06E-10	3.25E-09	4.15E-09	4.88E-10	1.51E-09	1.99E-09
5891	437296.7	3762643	5.35E-09	1.82E-08	2.36E-08	8.32E-10	2.98E-09	3.81E-09	4.48E-10	1.38E-09	1.83E-09
5892	437273.8	3762718	7.89E-09	2.69E-08	3.48E-08	1.23E-09	4.40E-09	5.62E-09	6.61E-10	2.04E-09	2.70E-09
5893	437273.8	3762728	8.37E-09	2.85E-08	3.69E-08	1.30E-09	4.66E-09	5.96E-09	7.01E-10	2.16E-09	2.86E-09
5894	437273.8	3762738	8.82E-09	3.01E-08	3.89E-08	1.37E-09	4.91E-09	6.28E-09	7.38E-10	2.28E-09	3.02E-09
5895	437273.8	3762747	9.22E-09	3.15E-08	4.07E-08	1.43E-09	5.14E-09	6.57E-09	7.72E-10	2.38E-09	3.16E-09
5896	437273.8	3762757	9.56E-09	3.26E-08	4.22E-08	1.49E-09	5.33E-09	6.81E-09	8.00E-10	2.47E-09	3.27E-09
5897	437273.8	3762767	9.83E-09	3.35E-08	4.33E-08	1.53E-09	5.48E-09	7.00E-09	8.23E-10	2.54E-09	3.36E-09
5898	437273.8	3762776	1.00E-08	3.41E-08	4.42E-08	1.56E-09	5.58E-09	7.13E-09	8.38E-10	2.59E-09	3.43E-09
5899	437273.8	3762786	1.01E-08	3.45E-08	4.46E-08	1.57E-09	5.63E-09	7.20E-09	8.46E-10	2.61E-09	3.46E-09
5900	437273.8	3762796	1.01E-08	3.45E-08	4.46E-08	1.57E-09	5.63E-09	7.21E-09	8.47E-10	2.61E-09	3.46E-09
5901	437273.8	3762806	1.00E-08	3.42E-08	4.42E-08	1.56E-09	5.59E-09	7.15E-09	8.40E-10	2.59E-09	3.43E-09
5902	437273.8	3762815	9.87E-09	3.36E-08	4.35E-08	1.53E-09	5.50E-09	7.03E-09	8.26E-10	2.55E-09	3.38E-09
5903	437273.8	3762825	9.62E-09	3.28E-08	4.24E-08	1.49E-09	5.36E-09	6.85E-09	8.05E-10	2.49E-09	3.29E-09
5904	437273.8	3762835	9.29E-09	3.17E-08	4.10E-08	1.44E-09	5.18E-09	6.62E-09	7.78E-10	2.40E-09	3.18E-09
5905	437273.8	3762844	8.89E-09	3.03E-08	3.92E-08	1.38E-09	4.95E-09	6.34E-09	7.44E-10	2.30E-09	3.04E-09
5906	437267.4	3762690	6.11E-09	2.08E-08	2.69E-08	9.49E-10	3.40E-09	4.35E-09	5.11E-10	1.58E-09	2.09E-09
5907	437263.8	3762718	7.10E-09	2.42E-08	3.13E-08	1.10E-09	3.96E-09	5.06E-09	5.95E-10	1.84E-09	2.43E-09
5908	437263.8	3762728	7.49E-09	2.56E-08	3.31E-08	1.16E-09	4.17E-09	5.34E-09	6.27E-10	1.94E-09	2.56E-09
5909	437263.8	3762738	7.86E-09	2.68E-08	3.47E-08	1.22E-09	4.38E-09	5.60E-09	6.58E-10	2.03E-09	2.69E-09
5910	437263.8	3762747	8.19E-09	2.79E-08	3.61E-08	1.27E-09	4.56E-09	5.83E-09	6.85E-10	2.12E-09	2.80E-09
5911	437263.8	3762757	8.47E-09	2.89E-08	3.73E-08	1.32E-09	4.72E-09	6.03E-09	7.09E-10	2.19E-09	2.90E-09
5912	437263.8	3762767	8.69E-09	2.96E-08	3.83E-08	1.35E-09	4.84E-09	6.19E-09	7.27E-10	2.24E-09	2.97E-09
5913	437263.8	3762776	8.84E-09	3.01E-08	3.90E-08	1.37E-09	4.93E-09	6.30E-09	7.40E-10	2.28E-09	3.02E-09

5914	437263.8	3762786	8.92E-09	3.04E-08	3.93E-08	1.39E-09	4.97E-09	6.36E-09	7.47E-10	2.31E-09	3.05E-09
5915	437263.8	3762796	8.93E-09	3.05E-08	3.94E-08	1.39E-09	4.97E-09	6.36E-09	7.47E-10	2.31E-09	3.06E-09
5916	437263.8	3762806	8.86E-09	3.02E-08	3.91E-08	1.38E-09	4.94E-09	6.32E-09	7.42E-10	2.29E-09	3.03E-09
5917	437263.8	3762815	8.73E-09	2.98E-08	3.85E-08	1.36E-09	4.86E-09	6.22E-09	7.31E-10	2.26E-09	2.99E-09
5918	437263.8	3762825	8.53E-09	2.91E-08	3.76E-08	1.33E-09	4.75E-09	6.08E-09	7.14E-10	2.20E-09	2.92E-09
5919	437263.8	3762835	8.26E-09	2.82E-08	3.64E-08	1.28E-09	4.60E-09	5.89E-09	6.91E-10	2.13E-09	2.83E-09
5920	437263.8	3762844	7.93E-09	2.71E-08	3.50E-08	1.23E-09	4.42E-09	5.65E-09	6.64E-10	2.05E-09	2.71E-09
5921	437247.3	3762690	5.15E-09	1.75E-08	2.27E-08	8.00E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
5922	437320.9	3762597	4.07E-09	1.39E-08	1.79E-08	6.32E-10	2.27E-09	2.90E-09	3.40E-10	1.05E-09	1.39E-09
5923	437346.2	3762586	4.10E-09	1.40E-08	1.81E-08	6.37E-10	2.29E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
5924	437243.8	3762718	5.85E-09	1.99E-08	2.58E-08	9.09E-10	3.26E-09	4.17E-09	4.89E-10	1.51E-09	2.00E-09
5925	437243.8	3762728	6.12E-09	2.09E-08	2.70E-08	9.51E-10	3.41E-09	4.36E-09	5.12E-10	1.58E-09	2.09E-09
5926	437243.8	3762738	6.37E-09	2.17E-08	2.81E-08	9.89E-10	3.55E-09	4.54E-09	5.33E-10	1.65E-09	2.18E-09
5927	437243.8	3762747	6.59E-09	2.25E-08	2.91E-08	1.02E-09	3.67E-09	4.70E-09	5.52E-10	1.70E-09	2.25E-09
5928	437243.8	3762757	6.78E-09	2.31E-08	2.99E-08	1.05E-09	3.78E-09	4.83E-09	5.68E-10	1.75E-09	2.32E-09
5929	437243.8	3762767	6.94E-09	2.37E-08	3.06E-08	1.08E-09	3.87E-09	4.94E-09	5.81E-10	1.79E-09	2.37E-09
5930	437243.8	3762776	7.05E-09	2.40E-08	3.11E-08	1.10E-09	3.93E-09	5.02E-09	5.90E-10	1.82E-09	2.41E-09
5931	437243.8	3762786	7.11E-09	2.42E-08	3.13E-08	1.10E-09	3.96E-09	5.06E-09	5.95E-10	1.84E-09	2.43E-09
5932	437243.8	3762796	7.12E-09	2.43E-08	3.14E-08	1.11E-09	3.96E-09	5.07E-09	5.96E-10	1.84E-09	2.43E-09
5933	437243.8	3762806	7.07E-09	2.41E-08	3.12E-08	1.10E-09	3.94E-09	5.04E-09	5.92E-10	1.83E-09	2.42E-09
5934	437243.8	3762815	6.98E-09	2.38E-08	3.08E-08	1.08E-09	3.89E-09	4.97E-09	5.84E-10	1.80E-09	2.39E-09
5935	437243.8	3762825	6.84E-09	2.33E-08	3.02E-08	1.06E-09	3.81E-09	4.87E-09	5.73E-10	1.77E-09	2.34E-09
5936	437243.8	3762835	6.66E-09	2.27E-08	2.94E-08	1.03E-09	3.71E-09	4.74E-09	5.57E-10	1.72E-09	2.28E-09
5937	437243.8	3762844	6.43E-09	2.19E-08	2.84E-08	9.99E-10	3.58E-09	4.58E-09	5.38E-10	1.66E-09	2.20E-09
5938	437227.2	3762691	4.41E-09	1.50E-08	1.95E-08	6.86E-10	2.46E-09	3.14E-09	3.69E-10	1.14E-09	1.51E-09
5939	437305.5	3762583	3.40E-09	1.16E-08	1.50E-08	5.28E-10	1.89E-09	2.42E-09	2.84E-10	8.78E-10	1.16E-09
5940	437321.9	3762576	3.43E-09	1.17E-08	1.51E-08	5.33E-10	1.91E-09	2.44E-09	2.87E-10	8.86E-10	1.17E-09
5941	437346.5	3762566	3.42E-09	1.17E-08	1.51E-08	5.32E-10	1.91E-09	2.44E-09	2.87E-10	8.85E-10	1.17E-09
5942	437223.8	3762718	4.90E-09	1.67E-08	2.16E-08	7.61E-10	2.73E-09	3.49E-09	4.10E-10	1.27E-09	1.68E-09
5943	437223.8	3762728	5.09E-09	1.74E-08	2.25E-08	7.91E-10	2.84E-09	3.63E-09	4.26E-10	1.32E-09	1.74E-09
5944	437223.8	3762738	5.27E-09	1.80E-08	2.33E-08	8.19E-10	2.94E-09	3.76E-09	4.41E-10	1.36E-09	1.80E-09
5945	437223.8	3762747	5.43E-09	1.85E-08	2.40E-08	8.44E-10	3.03E-09	3.87E-09	4.55E-10	1.40E-09	1.86E-09
5946	437223.8	3762757	5.57E-09	1.90E-08	2.46E-08	8.65E-10	3.10E-09	3.97E-09	4.66E-10	1.44E-09	1.91E-09
5947	437223.8	3762767	5.68E-09	1.94E-08	2.50E-08	8.82E-10	3.16E-09	4.04E-09	4.75E-10	1.47E-09	1.94E-09
5948	437223.8	3762776	5.75E-09	1.96E-08	2.54E-08	8.94E-10	3.21E-09	4.10E-09	4.82E-10	1.49E-09	1.97E-09
5949	437223.8	3762786	5.80E-09	1.98E-08	2.56E-08	9.01E-10	3.23E-09	4.13E-09	4.85E-10	1.50E-09	1.98E-09
5950	437223.8	3762796	5.80E-09	1.98E-08	2.56E-08	9.02E-10	3.23E-09	4.13E-09	4.86E-10	1.50E-09	1.99E-09
5951	437223.8	3762806	5.77E-09	1.97E-08	2.55E-08	8.97E-10	3.22E-09	4.11E-09	4.83E-10	1.49E-09	1.98E-09
5952	437223.8	3762815	5.71E-09	1.95E-08	2.52E-08	8.87E-10	3.18E-09	4.07E-09	4.78E-10	1.48E-09	1.95E-09
5953	437223.8	3762825	5.61E-09	1.91E-08	2.47E-08	8.72E-10	3.13E-09	4.00E-09	4.70E-10	1.45E-09	1.92E-09
5954	437223.8	3762835	5.48E-09	1.87E-08	2.42E-08	8.51E-10	3.05E-09	3.90E-09	4.59E-10	1.42E-09	1.87E-09
5955	437223.8	3762844	5.32E-09	1.81E-08	2.35E-08	8.27E-10	2.96E-09	3.79E-09	4.45E-10	1.37E-09	1.82E-09
5956	437207.4	3762690	3.80E-09	1.29E-08	1.67E-08	5.90E-10	2.11E-09	2.70E-09	3.18E-10	9.81E-10	1.30E-09
5957	437293.6	3762568	2.89E-09	9.84E-09	1.27E-08	4.48E-10	1.61E-09	2.06E-09	2.42E-10	7.46E-10	9.87E-10
5958	437319.5	3762557	2.92E-09	9.95E-09	1.29E-08	4.53E-10	1.63E-09	2.08E-09	2.44E-10	7.54E-10	9.98E-10
5959	437336.8	3762550	2.91E-09	9.92E-09	1.28E-08	4.52E-10	1.62E-09	2.07E-09	2.43E-10	7.51E-10	9.95E-10
5960	437345.5	3762546	2.90E-09	9.87E-09	1.28E-08	4.50E-10	1.61E-09	2.06E-09	2.42E-10	7.48E-10	9.90E-10
5961	437203.8	3762718	4.16E-09	1.42E-08	1.83E-08	6.46E-10	2.32E-09	2.96E-09	3.48E-10	1.07E-09	1.42E-09
5962	437203.8	3762728	4.30E-09	1.47E-08	1.90E-08	6.68E-10	2.40E-09	3.07E-09	3.60E-10	1.11E-09	1.47E-09
5963	437203.8	3762738	4.43E-09	1.51E-08	1.96E-08	6.89E-10	2.47E-09	3.16E-09	3.71E-10	1.15E-09	1.52E-09
5964	437203.8	3762747	4.55E-09	1.55E-08	2.01E-08	7.07E-10	2.54E-09	3.24E-09	3.81E-10	1.18E-09	1.56E-09
5965	437203.8	3762757	4.65E-09	1.59E-08	2.05E-08	7.23E-10	2.59E-09	3.31E-09	3.89E-10	1.20E-09	1.59E-09
5966	437203.8	3762767	4.73E-09	1.61E-08	2.09E-08	7.35E-10	2.64E-09	3.37E-09	3.96E-10	1.22E-09	1.62E-09
5967	437203.8	3762776	4.79E-09	1.63E-08	2.11E-08	7.44E-10	2.67E-09	3.41E-09	4.01E-10	1.24E-09	1.64E-09
5968	437203.8	3762786	4.82E-09	1.64E-08	2.12E-08	7.49E-10	2.68E-09	3.43E-09	4.03E-10	1.24E-09	1.65E-09
5969	437203.8	3762796	4.82E-09	1.64E-08	2.13E-08	7.49E-10	2.69E-09	3.44E-09	4.04E-10	1.25E-09	1.65E-09
5970	437203.8	3762806	4.80E-09	1.64E-08	2.12E-08	7.46E-10	2.67E-09	3.42E-09	4.02E-10	1.24E-09	1.64E-09
5971	437203.8	3762815	4.75E-09	1.62E-08	2.10E-08	7.39E-10	2.65E-09	3.39E-09	3.98E-10	1.23E-09	1.63E-09
5972	437203.8	3762825	4.68E-09	1.60E-08	2.06E-08	7.27E-10	2.61E-09	3.33E-09	3.92E-10	1.21E-09	1.60E-09
5973	437203.8	3762835	4.59E-09	1.56E-08	2.02E-08	7.12E-10	2.55E-09	3.27E-09	3.84E-10	1.18E-09	1.57E-09
5974	437203.8	3762844	4.47E-09	1.52E-08	1.97E-08	6.94E-10	2.49E-09	3.18E-09	3.74E-10	1.15E-09	1.53E-09

5975	437187.3	3762690	3.30E-09	1.12E-08	1.45E-08	5.12E-10	1.84E-09	2.35E-09	2.76E-10	8.52E-10	1.13E-09
5976	437303.6	3762544	2.51E-09	8.55E-09	1.11E-08	3.90E-10	1.40E-09	1.79E-09	2.10E-10	6.48E-10	8.58E-10
5977	437320.5	3762537	2.51E-09	8.54E-09	1.10E-08	3.89E-10	1.40E-09	1.78E-09	2.10E-10	6.47E-10	8.57E-10
5978	437345.8	3762526	2.47E-09	8.42E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.38E-10	8.45E-10
5979	437183.8	3762718	3.57E-09	1.22E-08	1.57E-08	5.55E-10	1.99E-09	2.54E-09	2.99E-10	9.22E-10	1.22E-09
5980	437183.8	3762728	3.68E-09	1.25E-08	1.62E-08	5.72E-10	2.05E-09	2.62E-09	3.08E-10	9.51E-10	1.26E-09
5981	437183.8	3762738	3.78E-09	1.29E-08	1.67E-08	5.87E-10	2.11E-09	2.69E-09	3.16E-10	9.77E-10	1.29E-09
5982	437183.8	3762747	3.87E-09	1.32E-08	1.71E-08	6.01E-10	2.16E-09	2.76E-09	3.24E-10	1.00E-09	1.32E-09
5983	437183.8	3762757	3.94E-09	1.34E-08	1.74E-08	6.13E-10	2.20E-09	2.81E-09	3.30E-10	1.02E-09	1.35E-09
5984	437265.9	3762539	2.15E-09	7.34E-09	9.50E-09	3.35E-10	1.20E-09	1.53E-09	1.80E-10	5.56E-10	7.37E-10
5985	437274.7	3762536	2.17E-09	7.39E-09	9.55E-09	3.37E-10	1.21E-09	1.54E-09	1.81E-10	5.60E-10	7.41E-10
5986	437292.2	3762528	2.18E-09	7.43E-09	9.61E-09	3.39E-10	1.21E-09	1.55E-09	1.82E-10	5.63E-10	7.46E-10
5987	437318.6	3762517	2.17E-09	7.40E-09	9.57E-09	3.37E-10	1.21E-09	1.55E-09	1.82E-10	5.60E-10	7.42E-10
5988	437336.2	3762510	2.15E-09	7.32E-09	9.46E-09	3.33E-10	1.20E-09	1.53E-09	1.80E-10	5.54E-10	7.34E-10
5989	437345	3762506	2.13E-09	7.26E-09	9.39E-09	3.31E-10	1.19E-09	1.52E-09	1.78E-10	5.50E-10	7.28E-10
5990	437147.4	3762690	2.55E-09	8.69E-09	1.12E-08	3.96E-10	1.42E-09	1.82E-09	2.13E-10	6.59E-10	8.72E-10
5991	437250.7	3762526	1.89E-09	6.43E-09	8.32E-09	2.93E-10	1.05E-09	1.34E-09	1.58E-10	4.87E-10	6.45E-10
5992	437276.5	3762515	1.91E-09	6.52E-09	8.43E-09	2.97E-10	1.06E-09	1.36E-09	1.60E-10	4.94E-10	6.54E-10
5993	437293.7	3762508	1.91E-09	6.52E-09	8.43E-09	2.97E-10	1.06E-09	1.36E-09	1.60E-10	4.94E-10	6.54E-10
5994	437319.5	3762497	1.89E-09	6.45E-09	8.34E-09	2.94E-10	1.05E-09	1.35E-09	1.58E-10	4.89E-10	6.47E-10
5995	437336.6	3762490	1.87E-09	6.36E-09	8.23E-09	2.90E-10	1.04E-09	1.33E-09	1.56E-10	4.82E-10	6.38E-10
5996	437345.2	3762486	1.85E-09	6.31E-09	8.16E-09	2.87E-10	1.03E-09	1.32E-09	1.55E-10	4.78E-10	6.33E-10
5997	437143.8	3762699	2.57E-09	8.75E-09	1.13E-08	3.99E-10	1.43E-09	1.83E-09	2.15E-10	6.63E-10	8.78E-10
5998	437143.8	3762709	2.64E-09	9.01E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.83E-10	9.04E-10
5999	437143.8	3762718	2.71E-09	9.25E-09	1.20E-08	4.22E-10	1.51E-09	1.93E-09	2.27E-10	7.01E-10	9.28E-10
6000	437143.8	3762728	2.78E-09	9.48E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.51E-10
6001	437143.8	3762738	2.84E-09	9.69E-09	1.25E-08	4.41E-10	1.58E-09	2.02E-09	2.38E-10	7.34E-10	9.72E-10
6002	437143.8	3762747	2.89E-09	9.87E-09	1.28E-08	4.50E-10	1.61E-09	2.06E-09	2.42E-10	7.48E-10	9.90E-10
6003	437143.8	3762757	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.01E-09
6004	437143.8	3762767	2.97E-09	1.01E-08	1.31E-08	4.62E-10	1.66E-09	2.12E-09	2.49E-10	7.68E-10	1.02E-09
6005	437143.8	3762776	3.00E-09	1.02E-08	1.32E-08	4.66E-10	1.67E-09	2.13E-09	2.51E-10	7.74E-10	1.02E-09
6006	437143.8	3762786	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.14E-09	2.52E-10	7.77E-10	1.03E-09
6007	437143.8	3762796	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.14E-09	2.52E-10	7.78E-10	1.03E-09
6008	437143.8	3762806	3.00E-09	1.02E-08	1.32E-08	4.66E-10	1.67E-09	2.14E-09	2.51E-10	7.75E-10	1.03E-09
6009	437143.8	3762815	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.49E-10	7.70E-10	1.02E-09
6010	437143.8	3762825	2.95E-09	1.00E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.61E-10	1.01E-09
6011	437143.8	3762835	2.90E-09	9.89E-09	1.28E-08	4.51E-10	1.62E-09	2.07E-09	2.43E-10	7.50E-10	9.93E-10
6012	437127.5	3762690	2.27E-09	7.73E-09	9.99E-09	3.52E-10	1.26E-09	1.61E-09	1.90E-10	5.85E-10	7.75E-10
6013	437238	3762511	1.67E-09	5.70E-09	7.37E-09	2.60E-10	9.30E-10	1.19E-09	1.40E-10	4.32E-10	5.71E-10
6014	437246.8	3762507	1.68E-09	5.73E-09	7.41E-09	2.61E-10	9.35E-10	1.20E-09	1.41E-10	4.34E-10	5.74E-10
6015	437264.6	3762500	1.69E-09	5.77E-09	7.46E-09	2.63E-10	9.42E-10	1.20E-09	1.42E-10	4.37E-10	5.78E-10
6016	437291.3	3762489	1.69E-09	5.75E-09	7.44E-09	2.62E-10	9.40E-10	1.20E-09	1.41E-10	4.36E-10	5.77E-10
6017	437317.9	3762478	1.66E-09	5.67E-09	7.33E-09	2.58E-10	9.26E-10	1.18E-09	1.39E-10	4.29E-10	5.68E-10
6018	437335.7	3762470	1.64E-09	5.58E-09	7.21E-09	2.54E-10	9.11E-10	1.17E-09	1.37E-10	4.23E-10	5.60E-10
6019	437344.5	3762466	1.62E-09	5.53E-09	7.15E-09	2.52E-10	9.03E-10	1.15E-09	1.36E-10	4.19E-10	5.54E-10
6020	437123.8	3762699	2.28E-09	7.77E-09	1.00E-08	3.54E-10	1.27E-09	1.62E-09	1.91E-10	5.88E-10	7.79E-10
6021	437123.8	3762709	2.34E-09	7.98E-09	1.03E-08	3.63E-10	1.30E-09	1.67E-09	1.96E-10	6.04E-10	8.00E-10
6022	437123.8	3762718	2.40E-09	8.17E-09	1.06E-08	3.72E-10	1.33E-09	1.71E-09	2.01E-10	6.19E-10	8.20E-10
6023	437123.8	3762728	2.45E-09	8.35E-09	1.08E-08	3.81E-10	1.36E-09	1.75E-09	2.05E-10	6.33E-10	8.38E-10
6024	437123.8	3762738	2.50E-09	8.52E-09	1.10E-08	3.88E-10	1.39E-09	1.78E-09	2.09E-10	6.45E-10	8.54E-10
6025	437123.8	3762747	2.54E-09	8.66E-09	1.12E-08	3.94E-10	1.41E-09	1.81E-09	2.13E-10	6.56E-10	8.69E-10
6026	437123.8	3762757	2.57E-09	8.77E-09	1.13E-08	4.00E-10	1.43E-09	1.83E-09	2.15E-10	6.65E-10	8.80E-10
6027	437123.8	3762767	2.60E-09	8.87E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.18E-10	6.72E-10	8.89E-10
6028	437123.8	3762776	2.62E-09	8.93E-09	1.15E-08	4.07E-10	1.46E-09	1.87E-09	2.19E-10	6.77E-10	8.96E-10
6029	437123.8	3762786	2.63E-09	8.96E-09	1.16E-08	4.08E-10	1.46E-09	1.87E-09	2.20E-10	6.79E-10	8.99E-10
6030	437123.8	3762796	2.63E-09	8.96E-09	1.16E-08	4.08E-10	1.46E-09	1.87E-09	2.20E-10	6.79E-10	8.99E-10
6031	437123.8	3762806	2.62E-09	8.94E-09	1.16E-08	4.07E-10	1.46E-09	1.87E-09	2.19E-10	6.77E-10	8.96E-10
6032	437123.8	3762815	2.60E-09	8.88E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.18E-10	6.73E-10	8.90E-10
6033	437123.8	3762825	2.58E-09	8.78E-09	1.14E-08	4.00E-10	1.44E-09	1.84E-09	2.16E-10	6.66E-10	8.81E-10
6034	437123.8	3762835	2.54E-09	8.67E-09	1.12E-08	3.95E-10	1.42E-09	1.81E-09	2.13E-10	6.57E-10	8.70E-10
6035	437107.4	3762690	2.03E-09	6.91E-09	8.94E-09	3.15E-10	1.13E-09	1.44E-09	1.70E-10	5.24E-10	6.93E-10

6036	437214.2	3762501	1.48E-09	5.03E-09	6.51E-09	2.29E-10	8.22E-10	1.05E-09	1.24E-10	3.81E-10	5.05E-10
6037	437222.9	3762497	1.49E-09	5.07E-09	6.55E-09	2.31E-10	8.28E-10	1.06E-09	1.24E-10	3.84E-10	5.08E-10
6038	437249	3762486	1.50E-09	5.13E-09	6.64E-09	2.34E-10	8.38E-10	1.07E-09	1.26E-10	3.89E-10	5.15E-10
6039	437275.1	3762475	1.51E-09	5.13E-09	6.64E-09	2.34E-10	8.39E-10	1.07E-09	1.26E-10	3.89E-10	5.15E-10
6040	437292.5	3762468	1.49E-09	5.10E-09	6.59E-09	2.32E-10	8.33E-10	1.06E-09	1.25E-10	3.86E-10	5.11E-10
6041	437318.6	3762457	1.47E-09	5.00E-09	6.47E-09	2.28E-10	8.17E-10	1.04E-09	1.23E-10	3.79E-10	5.02E-10
6042	437336.1	3762450	1.44E-09	4.92E-09	6.36E-09	2.24E-10	8.03E-10	1.03E-09	1.21E-10	3.72E-10	4.93E-10
6043	437344.8	3762446	1.43E-09	4.87E-09	6.30E-09	2.22E-10	7.95E-10	1.02E-09	1.19E-10	3.69E-10	4.88E-10
6044	437103.8	3762699	2.04E-09	6.94E-09	8.97E-09	3.16E-10	1.13E-09	1.45E-09	1.70E-10	5.26E-10	6.96E-10
6045	437103.8	3762709	2.09E-09	7.11E-09	9.20E-09	3.24E-10	1.16E-09	1.49E-09	1.75E-10	5.39E-10	7.13E-10
6046	437103.8	3762718	2.13E-09	7.27E-09	9.40E-09	3.31E-10	1.19E-09	1.52E-09	1.78E-10	5.51E-10	7.29E-10
6047	437103.8	3762728	2.17E-09	7.41E-09	9.59E-09	3.38E-10	1.21E-09	1.55E-09	1.82E-10	5.62E-10	7.44E-10
6048	437103.8	3762738	2.21E-09	7.54E-09	9.76E-09	3.44E-10	1.23E-09	1.58E-09	1.85E-10	5.72E-10	7.57E-10
6049	437103.8	3762747	2.25E-09	7.66E-09	9.90E-09	3.49E-10	1.25E-09	1.60E-09	1.88E-10	5.80E-10	7.68E-10
6050	437103.8	3762757	2.27E-09	7.75E-09	1.00E-08	3.53E-10	1.27E-09	1.62E-09	1.90E-10	5.87E-10	7.78E-10
6051	437103.8	3762767	2.29E-09	7.82E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.93E-10	7.85E-10
6052	437103.8	3762776	2.31E-09	7.87E-09	1.02E-08	3.59E-10	1.29E-09	1.64E-09	1.93E-10	5.96E-10	7.90E-10
6053	437103.8	3762786	2.32E-09	7.89E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.92E-10
6054	437103.8	3762796	2.31E-09	7.89E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.92E-10
6055	437103.8	3762806	2.31E-09	7.87E-09	1.02E-08	3.59E-10	1.29E-09	1.64E-09	1.93E-10	5.96E-10	7.89E-10
6056	437103.8	3762815	2.29E-09	7.82E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.93E-10	7.84E-10
6057	437103.8	3762825	2.27E-09	7.75E-09	1.00E-08	3.53E-10	1.27E-09	1.62E-09	1.90E-10	5.87E-10	7.77E-10
6058	437103.8	3762835	2.24E-09	7.65E-09	9.90E-09	3.49E-10	1.25E-09	1.60E-09	1.88E-10	5.80E-10	7.68E-10
6059	437087.3	3762690	1.82E-09	6.22E-09	8.04E-09	2.83E-10	1.02E-09	1.30E-09	1.53E-10	4.71E-10	6.24E-10
6060	437199.4	3762487	1.32E-09	4.51E-09	5.83E-09	2.05E-10	7.36E-10	9.42E-10	1.11E-10	3.42E-10	4.52E-10
6061	437208	3762484	1.33E-09	4.54E-09	5.87E-09	2.07E-10	7.41E-10	9.48E-10	1.11E-10	3.44E-10	4.55E-10
6062	437233.7	3762473	1.35E-09	4.59E-09	5.94E-09	2.09E-10	7.51E-10	9.60E-10	1.13E-10	3.48E-10	4.61E-10
6063	437250.8	3762466	1.35E-09	4.61E-09	5.96E-09	2.10E-10	7.52E-10	9.62E-10	1.13E-10	3.49E-10	4.62E-10
6064	437267.9	3762458	1.35E-09	4.59E-09	5.94E-09	2.09E-10	7.51E-10	9.60E-10	1.13E-10	3.48E-10	4.61E-10
6065	437276.5	3762455	1.34E-09	4.58E-09	5.93E-09	2.09E-10	7.49E-10	9.57E-10	1.12E-10	3.47E-10	4.60E-10
6066	437293.6	3762448	1.33E-09	4.54E-09	5.87E-09	2.07E-10	7.41E-10	9.48E-10	1.11E-10	3.44E-10	4.55E-10
6067	437310.7	3762440	1.31E-09	4.47E-09	5.79E-09	2.04E-10	7.31E-10	9.35E-10	1.10E-10	3.39E-10	4.49E-10
6068	437336.4	3762430	1.28E-09	4.36E-09	5.64E-09	1.99E-10	7.12E-10	9.11E-10	1.07E-10	3.30E-10	4.37E-10
6069	437353.5	3762423	1.25E-09	4.27E-09	5.53E-09	1.95E-10	6.98E-10	8.93E-10	1.05E-10	3.24E-10	4.29E-10
6070	437083.8	3762699	1.83E-09	6.23E-09	8.06E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.72E-10	6.25E-10
6071	437083.8	3762709	1.87E-09	6.38E-09	8.25E-09	2.91E-10	1.04E-09	1.33E-09	1.57E-10	4.83E-10	6.40E-10
6072	437083.8	3762718	1.91E-09	6.51E-09	8.42E-09	2.97E-10	1.06E-09	1.36E-09	1.60E-10	4.93E-10	6.53E-10
6073	437083.8	3762728	1.94E-09	6.63E-09	8.57E-09	3.02E-10	1.08E-09	1.38E-09	1.63E-10	5.02E-10	6.65E-10
6074	437083.8	3762738	1.97E-09	6.73E-09	8.71E-09	3.07E-10	1.10E-09	1.41E-09	1.65E-10	5.10E-10	6.75E-10
6075	437083.8	3762747	2.00E-09	6.82E-09	8.82E-09	3.11E-10	1.11E-09	1.43E-09	1.67E-10	5.17E-10	6.85E-10
6076	437083.8	3762757	2.02E-09	6.90E-09	8.92E-09	3.14E-10	1.13E-09	1.44E-09	1.69E-10	5.23E-10	6.92E-10
6077	437083.8	3762767	2.04E-09	6.95E-09	8.99E-09	3.17E-10	1.14E-09	1.45E-09	1.71E-10	5.27E-10	6.98E-10
6078	437083.8	3762776	2.05E-09	6.99E-09	9.04E-09	3.19E-10	1.14E-09	1.46E-09	1.72E-10	5.30E-10	7.01E-10
6079	437083.8	3762786	2.06E-09	7.01E-09	9.07E-09	3.19E-10	1.15E-09	1.46E-09	1.72E-10	5.31E-10	7.03E-10
6080	437083.8	3762796	2.06E-09	7.01E-09	9.07E-09	3.19E-10	1.15E-09	1.46E-09	1.72E-10	5.31E-10	7.03E-10
6081	437083.8	3762806	2.05E-09	6.99E-09	9.04E-09	3.19E-10	1.14E-09	1.46E-09	1.72E-10	5.30E-10	7.01E-10
6082	437083.8	3762815	2.04E-09	6.95E-09	8.99E-09	3.17E-10	1.14E-09	1.45E-09	1.71E-10	5.27E-10	6.97E-10
6083	437083.8	3762825	2.02E-09	6.89E-09	8.92E-09	3.14E-10	1.13E-09	1.44E-09	1.69E-10	5.22E-10	6.92E-10
6084	437083.8	3762835	2.00E-09	6.82E-09	8.82E-09	3.11E-10	1.11E-09	1.42E-09	1.67E-10	5.17E-10	6.84E-10
6085	437074.7	3762672	1.63E-09	5.56E-09	7.19E-09	2.53E-10	9.09E-10	1.16E-09	1.37E-10	4.21E-10	5.58E-10
6086	437078.3	3762664	1.62E-09	5.52E-09	7.14E-09	2.52E-10	9.02E-10	1.15E-09	1.36E-10	4.19E-10	5.54E-10
6087	437082	3762655	1.61E-09	5.48E-09	7.08E-09	2.50E-10	8.95E-10	1.14E-09	1.34E-10	4.15E-10	5.49E-10
6088	437085.6	3762646	1.59E-09	5.42E-09	7.01E-09	2.47E-10	8.86E-10	1.13E-09	1.33E-10	4.11E-10	5.44E-10
6089	437089.2	3762637	1.57E-09	5.36E-09	6.93E-09	2.44E-10	8.76E-10	1.12E-09	1.32E-10	4.06E-10	5.38E-10
6090	437092.9	3762628	1.55E-09	5.30E-09	6.85E-09	2.41E-10	8.65E-10	1.11E-09	1.30E-10	4.01E-10	5.31E-10
6091	437096.5	3762620	1.53E-09	5.23E-09	6.76E-09	2.38E-10	8.54E-10	1.09E-09	1.28E-10	3.96E-10	5.24E-10
6092	437100.1	3762611	1.51E-09	5.16E-09	6.67E-09	2.35E-10	8.42E-10	1.08E-09	1.27E-10	3.91E-10	5.17E-10
6093	437103.8	3762602	1.49E-09	5.08E-09	6.57E-09	2.32E-10	8.30E-10	1.06E-09	1.25E-10	3.85E-10	5.10E-10
6094	437107.4	3762593	1.47E-09	5.00E-09	6.47E-09	2.28E-10	8.17E-10	1.04E-09	1.23E-10	3.79E-10	5.02E-10
6095	437114.7	3762576	1.42E-09	4.84E-09	6.25E-09	2.20E-10	7.90E-10	1.01E-09	1.19E-10	3.66E-10	4.85E-10
6096	437118.3	3762567	1.39E-09	4.75E-09	6.14E-09	2.16E-10	7.76E-10	9.93E-10	1.17E-10	3.60E-10	4.77E-10

6097	437121.9	3762558	1.37E-09	4.67E-09	6.03E-09	2.13E-10	7.62E-10	9.75E-10	1.15E-10	3.54E-10	4.68E-10
6098	437125.6	3762549	1.34E-09	4.58E-09	5.92E-09	2.09E-10	7.48E-10	9.56E-10	1.12E-10	3.47E-10	4.59E-10
6099	437132.8	3762532	1.29E-09	4.40E-09	5.68E-09	2.00E-10	7.18E-10	9.18E-10	1.08E-10	3.33E-10	4.41E-10
6100	437136.5	3762523	1.26E-09	4.30E-09	5.56E-09	1.96E-10	7.03E-10	8.99E-10	1.06E-10	3.26E-10	4.32E-10
6101	437140.1	3762514	1.23E-09	4.21E-09	5.44E-09	1.92E-10	6.87E-10	8.79E-10	1.03E-10	3.19E-10	4.22E-10
6102	437143.7	3762505	1.21E-09	4.11E-09	5.32E-09	1.87E-10	6.72E-10	8.59E-10	1.01E-10	3.11E-10	4.12E-10
6103	437186.2	3762473	1.19E-09	4.07E-09	5.26E-09	1.85E-10	6.64E-10	8.49E-10	9.98E-11	3.08E-10	4.08E-10
6104	437194.9	3762469	1.20E-09	4.09E-09	5.29E-09	1.86E-10	6.69E-10	8.55E-10	1.00E-10	3.10E-10	4.11E-10
6105	437203.7	3762465	1.21E-09	4.11E-09	5.32E-09	1.87E-10	6.72E-10	8.60E-10	1.01E-10	3.12E-10	4.13E-10
6106	437221.3	3762458	1.21E-09	4.14E-09	5.36E-09	1.89E-10	6.77E-10	8.66E-10	1.02E-10	3.14E-10	4.16E-10
6107	437238.9	3762451	1.22E-09	4.15E-09	5.37E-09	1.89E-10	6.78E-10	8.67E-10	1.02E-10	3.14E-10	4.16E-10
6108	437247.7	3762447	1.22E-09	4.15E-09	5.36E-09	1.89E-10	6.77E-10	8.66E-10	1.02E-10	3.14E-10	4.16E-10
6109	437265.2	3762439	1.21E-09	4.13E-09	5.34E-09	1.88E-10	6.75E-10	8.63E-10	1.01E-10	3.13E-10	4.14E-10
6110	437282.8	3762432	1.20E-09	4.09E-09	5.29E-09	1.86E-10	6.69E-10	8.55E-10	1.00E-10	3.10E-10	4.11E-10
6111	437291.6	3762428	1.19E-09	4.07E-09	5.26E-09	1.85E-10	6.64E-10	8.49E-10	9.98E-11	3.08E-10	4.08E-10
6112	437309.2	3762421	1.17E-09	4.00E-09	5.18E-09	1.82E-10	6.54E-10	8.36E-10	9.83E-11	3.03E-10	4.02E-10
6113	437326.8	3762414	1.15E-09	3.93E-09	5.09E-09	1.79E-10	6.42E-10	8.22E-10	9.65E-11	2.98E-10	3.94E-10
6114	437335.6	3762410	1.14E-09	3.89E-09	5.04E-09	1.77E-10	6.36E-10	8.14E-10	9.56E-11	2.95E-10	3.91E-10
6115	437353.1	3762403	1.12E-09	3.81E-09	4.93E-09	1.74E-10	6.23E-10	7.97E-10	9.36E-11	2.89E-10	3.83E-10
6116	437063.8	3762709	1.69E-09	5.75E-09	7.43E-09	2.62E-10	9.39E-10	1.20E-09	1.41E-10	4.35E-10	5.77E-10
6117	437063.8	3762718	1.72E-09	5.86E-09	7.57E-09	2.67E-10	9.57E-10	1.22E-09	1.44E-10	4.44E-10	5.87E-10
6118	437063.8	3762728	1.75E-09	5.96E-09	7.70E-09	2.71E-10	9.73E-10	1.24E-09	1.46E-10	4.51E-10	5.97E-10
6119	437063.8	3762738	1.77E-09	6.04E-09	7.81E-09	2.75E-10	9.87E-10	1.26E-09	1.48E-10	4.58E-10	6.06E-10
6120	437063.8	3762747	1.79E-09	6.12E-09	7.91E-09	2.79E-10	9.99E-10	1.28E-09	1.50E-10	4.64E-10	6.14E-10
6121	437063.8	3762757	1.81E-09	6.18E-09	7.99E-09	2.82E-10	1.01E-09	1.29E-09	1.52E-10	4.68E-10	6.20E-10
6122	437063.8	3762767	1.83E-09	6.22E-09	8.05E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.72E-10	6.24E-10
6123	437063.8	3762776	1.83E-09	6.25E-09	8.09E-09	2.85E-10	1.02E-09	1.31E-09	1.53E-10	4.74E-10	6.27E-10
6124	437063.8	3762786	1.84E-09	6.27E-09	8.11E-09	2.86E-10	1.02E-09	1.31E-09	1.54E-10	4.75E-10	6.29E-10
6125	437063.8	3762796	1.84E-09	6.27E-09	8.10E-09	2.86E-10	1.02E-09	1.31E-09	1.54E-10	4.75E-10	6.29E-10
6126	437063.8	3762806	1.83E-09	6.25E-09	8.08E-09	2.85E-10	1.02E-09	1.31E-09	1.53E-10	4.74E-10	6.27E-10
6127	437063.8	3762815	1.82E-09	6.22E-09	8.04E-09	2.83E-10	1.02E-09	1.30E-09	1.53E-10	4.71E-10	6.24E-10
6128	437063.8	3762825	1.81E-09	6.17E-09	7.98E-09	2.81E-10	1.01E-09	1.29E-09	1.51E-10	4.68E-10	6.19E-10
6129	437063.8	3762835	1.79E-09	6.11E-09	7.90E-09	2.78E-10	9.98E-10	1.28E-09	1.50E-10	4.63E-10	6.13E-10
6130	437063.8	3762844	1.77E-09	6.04E-09	7.81E-09	2.75E-10	9.86E-10	1.26E-09	1.48E-10	4.57E-10	6.06E-10
6131	437044.9	3762672	1.42E-09	4.83E-09	6.25E-09	2.20E-10	7.90E-10	1.01E-09	1.19E-10	3.66E-10	4.85E-10
6132	437048.6	3762663	1.41E-09	4.81E-09	6.21E-09	2.19E-10	7.85E-10	1.00E-09	1.18E-10	3.64E-10	4.82E-10
6133	437052.3	3762654	1.40E-09	4.77E-09	6.17E-09	2.17E-10	7.79E-10	9.97E-10	1.17E-10	3.61E-10	4.79E-10
6134	437055.9	3762645	1.39E-09	4.73E-09	6.12E-09	2.16E-10	7.73E-10	9.88E-10	1.16E-10	3.58E-10	4.74E-10
6135	437059.6	3762636	1.37E-09	4.68E-09	6.06E-09	2.13E-10	7.65E-10	9.78E-10	1.15E-10	3.55E-10	4.70E-10
6136	437067	3762618	1.34E-09	4.58E-09	5.92E-09	2.09E-10	7.48E-10	9.57E-10	1.12E-10	3.47E-10	4.59E-10
6137	437070.7	3762609	1.33E-09	4.52E-09	5.85E-09	2.06E-10	7.39E-10	9.45E-10	1.11E-10	3.43E-10	4.54E-10
6138	437074.4	3762601	1.31E-09	4.47E-09	5.78E-09	2.03E-10	7.30E-10	9.33E-10	1.10E-10	3.38E-10	4.48E-10
6139	437078.1	3762592	1.29E-09	4.40E-09	5.69E-09	2.01E-10	7.19E-10	9.19E-10	1.08E-10	3.33E-10	4.41E-10
6140	437081.8	3762583	1.27E-09	4.33E-09	5.60E-09	1.97E-10	7.08E-10	9.05E-10	1.06E-10	3.28E-10	4.35E-10
6141	437085.5	3762574	1.25E-09	4.26E-09	5.52E-09	1.94E-10	6.97E-10	8.91E-10	1.05E-10	3.23E-10	4.28E-10
6142	437089.1	3762565	1.23E-09	4.20E-09	5.43E-09	1.91E-10	6.86E-10	8.77E-10	1.03E-10	3.18E-10	4.21E-10
6143	437096.5	3762547	1.19E-09	4.06E-09	5.26E-09	1.85E-10	6.64E-10	8.49E-10	9.98E-11	3.08E-10	4.08E-10
6144	437100.2	3762538	1.17E-09	4.00E-09	5.17E-09	1.82E-10	6.53E-10	8.35E-10	9.81E-11	3.03E-10	4.01E-10
6145	437103.9	3762529	1.15E-09	3.92E-09	5.07E-09	1.79E-10	6.41E-10	8.20E-10	9.63E-11	2.97E-10	3.94E-10
6146	437107.6	3762520	1.13E-09	3.85E-09	4.98E-09	1.75E-10	6.29E-10	8.04E-10	9.45E-11	2.92E-10	3.86E-10
6147	437115	3762502	1.09E-09	3.70E-09	4.79E-09	1.69E-10	6.05E-10	7.73E-10	9.08E-11	2.80E-10	3.71E-10
6148	437118.7	3762493	1.06E-09	3.62E-09	4.69E-09	1.65E-10	5.92E-10	7.57E-10	8.90E-11	2.75E-10	3.64E-10
6149	437183.3	3762444	1.04E-09	3.56E-09	4.61E-09	1.62E-10	5.82E-10	7.44E-10	8.74E-11	2.70E-10	3.57E-10
6150	437192.2	3762440	1.05E-09	3.58E-09	4.62E-09	1.63E-10	5.84E-10	7.47E-10	8.78E-11	2.71E-10	3.59E-10
6151	437201.1	3762436	1.05E-09	3.59E-09	4.64E-09	1.63E-10	5.86E-10	7.49E-10	8.80E-11	2.72E-10	3.60E-10
6152	437210	3762433	1.05E-09	3.59E-09	4.65E-09	1.64E-10	5.87E-10	7.51E-10	8.82E-11	2.72E-10	3.61E-10
6153	437219	3762429	1.05E-09	3.60E-09	4.65E-09	1.64E-10	5.88E-10	7.51E-10	8.83E-11	2.73E-10	3.61E-10
6154	437227.9	3762425	1.05E-09	3.59E-09	4.65E-09	1.64E-10	5.87E-10	7.51E-10	8.82E-11	2.72E-10	3.61E-10
6155	437236.8	3762421	1.05E-09	3.59E-09	4.64E-09	1.63E-10	5.86E-10	7.49E-10	8.81E-11	2.72E-10	3.60E-10
6156	437245.7	3762418	1.05E-09	3.58E-09	4.62E-09	1.63E-10	5.84E-10	7.47E-10	8.78E-11	2.71E-10	3.59E-10
6157	437254.7	3762414	1.04E-09	3.56E-09	4.61E-09	1.62E-10	5.82E-10	7.44E-10	8.74E-11	2.70E-10	3.57E-10

6158	437263.6	3762410	1.04E-09	3.54E-09	4.58E-09	1.62E-10	5.79E-10	7.41E-10	8.70E-11	2.69E-10	3.56E-10
6159	437272.5	3762406	1.03E-09	3.52E-09	4.56E-09	1.61E-10	5.76E-10	7.36E-10	8.65E-11	2.67E-10	3.54E-10
6160	437281.4	3762403	1.03E-09	3.50E-09	4.53E-09	1.60E-10	5.72E-10	7.31E-10	8.59E-11	2.65E-10	3.51E-10
6161	437290.3	3762399	1.02E-09	3.47E-09	4.49E-09	1.58E-10	5.68E-10	7.26E-10	8.53E-11	2.63E-10	3.49E-10
6162	437299.3	3762395	1.01E-09	3.45E-09	4.46E-09	1.57E-10	5.63E-10	7.20E-10	8.46E-11	2.61E-10	3.46E-10
6163	437308.2	3762391	1.00E-09	3.42E-09	4.42E-09	1.56E-10	5.58E-10	7.14E-10	8.39E-11	2.59E-10	3.43E-10
6164	437317.1	3762388	9.92E-10	3.38E-09	4.38E-09	1.54E-10	5.53E-10	7.07E-10	8.31E-11	2.56E-10	3.39E-10
6165	437326	3762384	9.83E-10	3.35E-09	4.33E-09	1.53E-10	5.47E-10	7.00E-10	8.22E-11	2.54E-10	3.36E-10
6166	437335	3762380	9.73E-10	3.32E-09	4.29E-09	1.51E-10	5.42E-10	6.93E-10	8.14E-11	2.51E-10	3.33E-10
6167	437343.9	3762376	9.63E-10	3.28E-09	4.25E-09	1.50E-10	5.36E-10	6.86E-10	8.06E-11	2.49E-10	3.29E-10
6168	437352.8	3762373	9.53E-10	3.25E-09	4.20E-09	1.48E-10	5.31E-10	6.79E-10	7.98E-11	2.46E-10	3.26E-10
6169	437033.8	3762709	1.46E-09	4.97E-09	6.42E-09	2.26E-10	8.12E-10	1.04E-09	1.22E-10	3.76E-10	4.98E-10
6170	437033.8	3762718	1.48E-09	5.05E-09	6.53E-09	2.30E-10	8.25E-10	1.05E-09	1.24E-10	3.83E-10	5.07E-10
6171	437033.8	3762728	1.50E-09	5.13E-09	6.63E-09	2.34E-10	8.37E-10	1.07E-09	1.26E-10	3.88E-10	5.14E-10
6172	437033.8	3762738	1.52E-09	5.19E-09	6.71E-09	2.37E-10	8.48E-10	1.08E-09	1.27E-10	3.93E-10	5.21E-10
6173	437033.8	3762747	1.54E-09	5.25E-09	6.79E-09	2.39E-10	8.57E-10	1.10E-09	1.29E-10	3.98E-10	5.26E-10
6174	437033.8	3762757	1.55E-09	5.29E-09	6.84E-09	2.41E-10	8.65E-10	1.11E-09	1.30E-10	4.01E-10	5.31E-10
6175	437033.8	3762767	1.56E-09	5.32E-09	6.89E-09	2.43E-10	8.70E-10	1.11E-09	1.31E-10	4.03E-10	5.34E-10
6176	437033.8	3762776	1.57E-09	5.35E-09	6.91E-09	2.44E-10	8.73E-10	1.12E-09	1.31E-10	4.05E-10	5.36E-10
6177	437033.8	3762786	1.57E-09	5.36E-09	6.93E-09	2.44E-10	8.75E-10	1.12E-09	1.31E-10	4.06E-10	5.37E-10
6178	437033.8	3762796	1.57E-09	5.35E-09	6.92E-09	2.44E-10	8.74E-10	1.12E-09	1.31E-10	4.06E-10	5.37E-10
6179	437033.8	3762806	1.57E-09	5.34E-09	6.90E-09	2.43E-10	8.72E-10	1.12E-09	1.31E-10	4.05E-10	5.36E-10
6180	437033.8	3762815	1.56E-09	5.31E-09	6.87E-09	2.42E-10	8.68E-10	1.11E-09	1.30E-10	4.03E-10	5.33E-10
6181	437033.8	3762825	1.55E-09	5.28E-09	6.82E-09	2.40E-10	8.62E-10	1.10E-09	1.30E-10	4.00E-10	5.29E-10
6182	437033.8	3762835	1.53E-09	5.23E-09	6.77E-09	2.38E-10	8.55E-10	1.09E-09	1.28E-10	3.96E-10	5.25E-10
6183	437033.8	3762844	1.52E-09	5.18E-09	6.69E-09	2.36E-10	8.45E-10	1.08E-09	1.27E-10	3.92E-10	5.19E-10
6184	437014.6	3762673	1.24E-09	4.24E-09	5.49E-09	1.93E-10	6.93E-10	8.87E-10	1.04E-10	3.22E-10	4.26E-10
6185	437018.2	3762664	1.24E-09	4.22E-09	5.46E-09	1.92E-10	6.90E-10	8.82E-10	1.04E-10	3.20E-10	4.24E-10
6186	437021.8	3762655	1.23E-09	4.20E-09	5.43E-09	1.91E-10	6.86E-10	8.77E-10	1.03E-10	3.18E-10	4.21E-10
6187	437025.5	3762646	1.22E-09	4.17E-09	5.39E-09	1.90E-10	6.81E-10	8.71E-10	1.02E-10	3.16E-10	4.18E-10
6188	437029.1	3762638	1.21E-09	4.14E-09	5.35E-09	1.88E-10	6.76E-10	8.64E-10	1.02E-10	3.13E-10	4.15E-10
6189	437032.7	3762629	1.20E-09	4.10E-09	5.30E-09	1.87E-10	6.70E-10	8.57E-10	1.01E-10	3.11E-10	4.11E-10
6190	437036.3	3762620	1.19E-09	4.06E-09	5.25E-09	1.85E-10	6.63E-10	8.48E-10	9.97E-11	3.08E-10	4.07E-10
6191	437039.9	3762611	1.18E-09	4.02E-09	5.20E-09	1.83E-10	6.57E-10	8.40E-10	9.87E-11	3.05E-10	4.03E-10
6192	437043.5	3762603	1.17E-09	3.97E-09	5.14E-09	1.81E-10	6.49E-10	8.30E-10	9.76E-11	3.01E-10	3.99E-10
6193	437047.1	3762594	1.15E-09	3.92E-09	5.07E-09	1.79E-10	6.41E-10	8.20E-10	9.63E-11	2.97E-10	3.94E-10
6194	437050.7	3762585	1.13E-09	3.87E-09	5.00E-09	1.76E-10	6.32E-10	8.08E-10	9.49E-11	2.93E-10	3.88E-10
6195	437054.3	3762576	1.12E-09	3.81E-09	4.93E-09	1.74E-10	6.22E-10	7.96E-10	9.35E-11	2.89E-10	3.82E-10
6196	437057.9	3762568	1.10E-09	3.75E-09	4.86E-09	1.71E-10	6.13E-10	7.84E-10	9.22E-11	2.84E-10	3.77E-10
6197	437061.5	3762559	1.09E-09	3.70E-09	4.79E-09	1.69E-10	6.05E-10	7.74E-10	9.09E-11	2.81E-10	3.72E-10
6198	437065.1	3762550	1.07E-09	3.65E-09	4.72E-09	1.66E-10	5.96E-10	7.63E-10	8.96E-11	2.77E-10	3.66E-10
6199	437072.4	3762533	1.04E-09	3.55E-09	4.59E-09	1.62E-10	5.79E-10	7.41E-10	8.70E-11	2.69E-10	3.56E-10
6200	437076	3762524	1.02E-09	3.49E-09	4.52E-09	1.59E-10	5.71E-10	7.30E-10	8.58E-11	2.65E-10	3.51E-10
6201	437079.6	3762515	1.01E-09	3.44E-09	4.45E-09	1.57E-10	5.62E-10	7.19E-10	8.45E-11	2.61E-10	3.45E-10
6202	437083.2	3762506	9.93E-10	3.38E-09	4.38E-09	1.54E-10	5.53E-10	7.07E-10	8.31E-11	2.56E-10	3.40E-10
6203	437090.4	3762489	9.59E-10	3.27E-09	4.23E-09	1.49E-10	5.34E-10	6.83E-10	8.02E-11	2.48E-10	3.28E-10
6204	437117.2	3762441	8.81E-10	3.00E-09	3.88E-09	1.37E-10	4.91E-10	6.28E-10	7.37E-11	2.28E-10	3.01E-10
6205	437143.4	3762431	9.03E-10	3.08E-09	3.98E-09	1.40E-10	5.03E-10	6.43E-10	7.56E-11	2.33E-10	3.09E-10
6206	437178.3	3762416	9.19E-10	3.13E-09	4.05E-09	1.43E-10	5.12E-10	6.55E-10	7.69E-11	2.37E-10	3.14E-10
6207	437187	3762412	9.21E-10	3.14E-09	4.06E-09	1.43E-10	5.13E-10	6.56E-10	7.71E-11	2.38E-10	3.15E-10
6208	437195.7	3762409	9.21E-10	3.14E-09	4.06E-09	1.43E-10	5.13E-10	6.56E-10	7.71E-11	2.38E-10	3.15E-10
6209	437204.4	3762405	9.21E-10	3.14E-09	4.06E-09	1.43E-10	5.13E-10	6.56E-10	7.71E-11	2.38E-10	3.15E-10
6210	437213.2	3762401	9.20E-10	3.14E-09	4.06E-09	1.43E-10	5.13E-10	6.56E-10	7.70E-11	2.38E-10	3.15E-10
6211	437221.9	3762398	9.18E-10	3.13E-09	4.05E-09	1.43E-10	5.12E-10	6.54E-10	7.69E-11	2.37E-10	3.14E-10
6212	437230.6	3762394	9.15E-10	3.12E-09	4.04E-09	1.42E-10	5.10E-10	6.52E-10	7.66E-11	2.37E-10	3.13E-10
6213	437239.4	3762390	9.12E-10	3.11E-09	4.02E-09	1.42E-10	5.08E-10	6.50E-10	7.63E-11	2.36E-10	3.12E-10
6214	437248.1	3762387	9.07E-10	3.09E-09	4.00E-09	1.41E-10	5.06E-10	6.46E-10	7.60E-11	2.34E-10	3.10E-10
6215	437256.8	3762383	9.03E-10	3.08E-09	3.98E-09	1.40E-10	5.03E-10	6.43E-10	7.55E-11	2.33E-10	3.09E-10
6216	437265.5	3762379	8.97E-10	3.06E-09	3.96E-09	1.39E-10	5.00E-10	6.39E-10	7.51E-11	2.32E-10	3.07E-10
6217	437274.3	3762376	8.91E-10	3.04E-09	3.93E-09	1.38E-10	4.96E-10	6.35E-10	7.46E-11	2.30E-10	3.05E-10
6218	437283	3762372	8.84E-10	3.01E-09	3.90E-09	1.37E-10	4.92E-10	6.30E-10	7.40E-11	2.28E-10	3.02E-10

6219	437291.7	3762368	8.77E-10	2.99E-09	3.87E-09	1.36E-10	4.88E-10	6.25E-10	7.34E-11	2.27E-10	3.00E-10
6220	437300.4	3762365	8.69E-10	2.96E-09	3.83E-09	1.35E-10	4.84E-10	6.19E-10	7.28E-11	2.25E-10	2.97E-10
6221	437309.2	3762361	8.61E-10	2.94E-09	3.80E-09	1.34E-10	4.80E-10	6.14E-10	7.21E-11	2.23E-10	2.95E-10
6222	437317.9	3762357	8.53E-10	2.91E-09	3.76E-09	1.33E-10	4.75E-10	6.08E-10	7.14E-11	2.20E-10	2.92E-10
6223	437326.6	3762354	8.45E-10	2.88E-09	3.73E-09	1.31E-10	4.71E-10	6.02E-10	7.07E-11	2.18E-10	2.89E-10
6224	437335.4	3762350	8.37E-10	2.85E-09	3.69E-09	1.30E-10	4.66E-10	5.96E-10	7.00E-11	2.16E-10	2.86E-10
6225	437344.1	3762346	8.28E-10	2.82E-09	3.65E-09	1.29E-10	4.61E-10	5.90E-10	6.93E-11	2.14E-10	2.83E-10
6226	437352.8	3762343	8.20E-10	2.80E-09	3.62E-09	1.27E-10	4.57E-10	5.84E-10	6.87E-11	2.12E-10	2.81E-10
6227	437003.8	3762709	1.27E-09	4.34E-09	5.61E-09	1.98E-10	7.09E-10	9.06E-10	1.06E-10	3.29E-10	4.35E-10
6228	437003.8	3762718	1.29E-09	4.40E-09	5.69E-09	2.01E-10	7.19E-10	9.20E-10	1.08E-10	3.34E-10	4.42E-10
6229	437003.8	3762728	1.31E-09	4.46E-09	5.77E-09	2.03E-10	7.29E-10	9.32E-10	1.09E-10	3.38E-10	4.47E-10
6230	437003.8	3762738	1.32E-09	4.51E-09	5.83E-09	2.05E-10	7.37E-10	9.42E-10	1.11E-10	3.42E-10	4.52E-10
6231	437003.8	3762747	1.33E-09	4.55E-09	5.89E-09	2.07E-10	7.44E-10	9.51E-10	1.12E-10	3.45E-10	4.57E-10
6232	437003.8	3762757	1.34E-09	4.58E-09	5.93E-09	2.09E-10	7.49E-10	9.58E-10	1.13E-10	3.47E-10	4.60E-10
6233	437003.8	3762767	1.35E-09	4.61E-09	5.96E-09	2.10E-10	7.53E-10	9.63E-10	1.13E-10	3.49E-10	4.62E-10
6234	437003.8	3762776	1.36E-09	4.62E-09	5.98E-09	2.11E-10	7.55E-10	9.66E-10	1.13E-10	3.50E-10	4.64E-10
6235	437003.8	3762786	1.36E-09	4.63E-09	5.99E-09	2.11E-10	7.56E-10	9.67E-10	1.14E-10	3.51E-10	4.64E-10
6236	437003.8	3762796	1.36E-09	4.62E-09	5.98E-09	2.11E-10	7.56E-10	9.66E-10	1.14E-10	3.50E-10	4.64E-10
6237	437003.8	3762806	1.35E-09	4.61E-09	5.97E-09	2.10E-10	7.54E-10	9.64E-10	1.13E-10	3.50E-10	4.63E-10
6238	437003.8	3762815	1.35E-09	4.59E-09	5.94E-09	2.09E-10	7.50E-10	9.59E-10	1.13E-10	3.48E-10	4.61E-10
6239	437003.8	3762825	1.34E-09	4.56E-09	5.90E-09	2.08E-10	7.45E-10	9.53E-10	1.12E-10	3.46E-10	4.58E-10
6240	437003.8	3762835	1.33E-09	4.53E-09	5.85E-09	2.06E-10	7.40E-10	9.46E-10	1.11E-10	3.43E-10	4.54E-10
6241	437003.8	3762844	1.31E-09	4.48E-09	5.80E-09	2.04E-10	7.32E-10	9.37E-10	1.10E-10	3.40E-10	4.50E-10
6242	436984.8	3762672	1.10E-09	3.76E-09	4.86E-09	1.71E-10	6.13E-10	7.85E-10	9.22E-11	2.85E-10	3.77E-10
6243	436988.4	3762663	1.10E-09	3.74E-09	4.84E-09	1.70E-10	6.11E-10	7.82E-10	9.18E-11	2.83E-10	3.75E-10
6244	436992.1	3762655	1.09E-09	3.72E-09	4.81E-09	1.70E-10	6.08E-10	7.78E-10	9.14E-11	2.82E-10	3.73E-10
6245	436995.7	3762646	1.08E-09	3.70E-09	4.78E-09	1.69E-10	6.04E-10	7.73E-10	9.08E-11	2.80E-10	3.71E-10
6246	436999.4	3762637	1.08E-09	3.67E-09	4.75E-09	1.67E-10	6.00E-10	7.67E-10	9.01E-11	2.78E-10	3.68E-10
6247	437003.1	3762628	1.07E-09	3.64E-09	4.71E-09	1.66E-10	5.95E-10	7.61E-10	8.94E-11	2.76E-10	3.65E-10
6248	437006.7	3762619	1.06E-09	3.61E-09	4.67E-09	1.64E-10	5.90E-10	7.54E-10	8.86E-11	2.74E-10	3.62E-10
6249	437010.4	3762610	1.05E-09	3.58E-09	4.62E-09	1.63E-10	5.84E-10	7.47E-10	8.78E-11	2.71E-10	3.59E-10
6250	437014	3762601	1.04E-09	3.54E-09	4.58E-09	1.61E-10	5.78E-10	7.40E-10	8.69E-11	2.68E-10	3.55E-10
6251	437017.7	3762593	1.03E-09	3.50E-09	4.53E-09	1.59E-10	5.72E-10	7.31E-10	8.59E-11	2.65E-10	3.51E-10
6252	437021.3	3762584	1.01E-09	3.46E-09	4.47E-09	1.57E-10	5.65E-10	7.22E-10	8.48E-11	2.62E-10	3.47E-10
6253	437025	3762575	9.99E-10	3.41E-09	4.41E-09	1.55E-10	5.57E-10	7.12E-10	8.37E-11	2.58E-10	3.42E-10
6254	437028.7	3762566	9.86E-10	3.36E-09	4.35E-09	1.53E-10	5.49E-10	7.02E-10	8.25E-11	2.55E-10	3.37E-10
6255	437032.3	3762557	9.72E-10	3.32E-09	4.29E-09	1.51E-10	5.42E-10	6.93E-10	8.14E-11	2.51E-10	3.33E-10
6256	437036	3762548	9.59E-10	3.27E-09	4.23E-09	1.49E-10	5.34E-10	6.84E-10	8.03E-11	2.48E-10	3.28E-10
6257	437039.6	3762539	9.47E-10	3.23E-09	4.17E-09	1.47E-10	5.27E-10	6.74E-10	7.92E-11	2.45E-10	3.24E-10
6258	437043.3	3762530	9.34E-10	3.18E-09	4.12E-09	1.45E-10	5.20E-10	6.65E-10	7.82E-11	2.41E-10	3.20E-10
6259	437046.9	3762522	9.21E-10	3.14E-09	4.06E-09	1.43E-10	5.13E-10	6.56E-10	7.71E-11	2.38E-10	3.15E-10
6260	437050.6	3762513	9.09E-10	3.10E-09	4.01E-09	1.41E-10	5.06E-10	6.47E-10	7.61E-11	2.35E-10	3.11E-10
6261	437054.3	3762504	8.96E-10	3.05E-09	3.95E-09	1.39E-10	4.99E-10	6.38E-10	7.50E-11	2.31E-10	3.06E-10
6262	437057.9	3762495	8.82E-10	3.01E-09	3.89E-09	1.37E-10	4.91E-10	6.28E-10	7.38E-11	2.28E-10	3.02E-10
6263	437076.2	3762451	8.11E-10	2.77E-09	3.58E-09	1.26E-10	4.52E-10	5.78E-10	6.79E-11	2.10E-10	2.78E-10
6264	437079.9	3762442	7.98E-10	2.72E-09	3.52E-09	1.24E-10	4.44E-10	5.68E-10	6.68E-11	2.06E-10	2.73E-10
6265	437083.5	3762433	7.84E-10	2.67E-09	3.46E-09	1.22E-10	4.37E-10	5.58E-10	6.56E-11	2.03E-10	2.68E-10
6266	437096	3762420	7.77E-10	2.65E-09	3.43E-09	1.21E-10	4.33E-10	5.54E-10	6.51E-11	2.01E-10	2.66E-10
6267	437131.4	3762405	8.00E-10	2.73E-09	3.53E-09	1.24E-10	4.46E-10	5.70E-10	6.70E-11	2.07E-10	2.74E-10
6268	437140.2	3762402	8.04E-10	2.74E-09	3.55E-09	1.25E-10	4.48E-10	5.73E-10	6.73E-11	2.08E-10	2.75E-10
6269	437149.1	3762398	8.07E-10	2.75E-09	3.56E-09	1.25E-10	4.50E-10	5.75E-10	6.75E-11	2.09E-10	2.76E-10
6270	437184.5	3762383	8.12E-10	2.77E-09	3.58E-09	1.26E-10	4.52E-10	5.78E-10	6.79E-11	2.10E-10	2.78E-10
6271	437193.3	3762379	8.11E-10	2.77E-09	3.58E-09	1.26E-10	4.52E-10	5.78E-10	6.79E-11	2.10E-10	2.78E-10
6272	437202.1	3762376	8.10E-10	2.76E-09	3.57E-09	1.26E-10	4.51E-10	5.77E-10	6.78E-11	2.09E-10	2.77E-10
6273	437211	3762372	8.08E-10	2.75E-09	3.56E-09	1.26E-10	4.50E-10	5.75E-10	6.76E-11	2.09E-10	2.76E-10
6274	437219.8	3762368	8.05E-10	2.74E-09	3.55E-09	1.25E-10	4.48E-10	5.73E-10	6.74E-11	2.08E-10	2.75E-10
6275	437228.7	3762365	8.01E-10	2.73E-09	3.53E-09	1.25E-10	4.46E-10	5.71E-10	6.71E-11	2.07E-10	2.74E-10
6276	437237.5	3762361	7.97E-10	2.72E-09	3.51E-09	1.24E-10	4.44E-10	5.68E-10	6.67E-11	2.06E-10	2.73E-10
6277	437246.4	3762357	7.92E-10	2.70E-09	3.49E-09	1.23E-10	4.41E-10	5.65E-10	6.63E-11	2.05E-10	2.71E-10
6278	437255.2	3762353	7.87E-10	2.69E-09	3.47E-09	1.22E-10	4.39E-10	5.61E-10	6.59E-11	2.03E-10	2.69E-10
6279	437264.1	3762350	7.82E-10	2.67E-09	3.45E-09	1.21E-10	4.36E-10	5.57E-10	6.54E-11	2.02E-10	2.67E-10

6280	437272.9	3762346	7.76E-10	2.65E-09	3.42E-09	1.21E-10	4.32E-10	5.53E-10	6.49E-11	2.00E-10	2.65E-10
6281	437281.7	3762342	7.69E-10	2.62E-09	3.39E-09	1.20E-10	4.29E-10	5.48E-10	6.44E-11	1.99E-10	2.63E-10
6282	437290.6	3762339	7.63E-10	2.60E-09	3.36E-09	1.19E-10	4.25E-10	5.43E-10	6.38E-11	1.97E-10	2.61E-10
6283	437299.4	3762335	7.56E-10	2.58E-09	3.33E-09	1.17E-10	4.21E-10	5.38E-10	6.33E-11	1.95E-10	2.59E-10
6284	437308.3	3762331	7.49E-10	2.55E-09	3.30E-09	1.16E-10	4.17E-10	5.33E-10	6.27E-11	1.93E-10	2.56E-10
6285	437317.1	3762327	7.42E-10	2.53E-09	3.27E-09	1.15E-10	4.13E-10	5.28E-10	6.21E-11	1.92E-10	2.54E-10
6286	437326	3762324	7.34E-10	2.50E-09	3.24E-09	1.14E-10	4.09E-10	5.23E-10	6.15E-11	1.90E-10	2.51E-10
6287	437334.8	3762320	7.27E-10	2.48E-09	3.21E-09	1.13E-10	4.05E-10	5.18E-10	6.09E-11	1.88E-10	2.49E-10
6288	437343.7	3762316	7.20E-10	2.46E-09	3.18E-09	1.12E-10	4.01E-10	5.13E-10	6.03E-11	1.86E-10	2.46E-10
6289	437352.5	3762313	7.13E-10	2.43E-09	3.15E-09	1.11E-10	3.97E-10	5.08E-10	5.97E-11	1.84E-10	2.44E-10
6290	436973.8	3762709	1.12E-09	3.82E-09	4.94E-09	1.74E-10	6.24E-10	7.99E-10	9.38E-11	2.90E-10	3.83E-10
6291	436973.8	3762718	1.14E-09	3.87E-09	5.01E-09	1.76E-10	6.32E-10	8.09E-10	9.50E-11	2.93E-10	3.88E-10
6292	436973.8	3762728	1.15E-09	3.92E-09	5.06E-09	1.78E-10	6.40E-10	8.18E-10	9.61E-11	2.97E-10	3.93E-10
6293	436973.8	3762738	1.16E-09	3.95E-09	5.11E-09	1.80E-10	6.46E-10	8.26E-10	9.70E-11	3.00E-10	3.97E-10
6294	436973.8	3762747	1.17E-09	3.98E-09	5.15E-09	1.82E-10	6.51E-10	8.33E-10	9.78E-11	3.02E-10	4.00E-10
6295	436973.8	3762757	1.18E-09	4.01E-09	5.19E-09	1.83E-10	6.55E-10	8.38E-10	9.84E-11	3.04E-10	4.02E-10
6296	436973.8	3762767	1.18E-09	4.03E-09	5.21E-09	1.84E-10	6.58E-10	8.41E-10	9.89E-11	3.05E-10	4.04E-10
6297	436973.8	3762776	1.18E-09	4.04E-09	5.22E-09	1.84E-10	6.60E-10	8.44E-10	9.91E-11	3.06E-10	4.05E-10
6298	436973.8	3762786	1.19E-09	4.04E-09	5.23E-09	1.84E-10	6.60E-10	8.44E-10	9.92E-11	3.06E-10	4.05E-10
6299	436973.8	3762796	1.18E-09	4.04E-09	5.22E-09	1.84E-10	6.60E-10	8.44E-10	9.91E-11	3.06E-10	4.05E-10
6300	436973.8	3762806	1.18E-09	4.03E-09	5.21E-09	1.84E-10	6.58E-10	8.42E-10	9.89E-11	3.05E-10	4.04E-10
6301	436973.8	3762815	1.18E-09	4.01E-09	5.19E-09	1.83E-10	6.55E-10	8.38E-10	9.85E-11	3.04E-10	4.02E-10
6302	436973.8	3762825	1.17E-09	3.99E-09	5.16E-09	1.82E-10	6.51E-10	8.33E-10	9.79E-11	3.02E-10	4.00E-10
6303	436973.8	3762835	1.16E-09	3.96E-09	5.12E-09	1.80E-10	6.47E-10	8.27E-10	9.72E-11	3.00E-10	3.97E-10
6304	436973.8	3762844	1.15E-09	3.92E-09	5.07E-09	1.79E-10	6.41E-10	8.20E-10	9.63E-11	2.97E-10	3.94E-10
6305	436954.6	3762673	9.82E-10	3.35E-09	4.33E-09	1.53E-10	5.47E-10	7.00E-10	8.22E-11	2.54E-10	3.36E-10
6306	436958.2	3762664	9.79E-10	3.34E-09	4.32E-09	1.52E-10	5.45E-10	6.98E-10	8.20E-11	2.53E-10	3.35E-10
6307	436961.8	3762655	9.75E-10	3.33E-09	4.30E-09	1.52E-10	5.43E-10	6.95E-10	8.16E-11	2.52E-10	3.34E-10
6308	436965.3	3762647	9.71E-10	3.31E-09	4.28E-09	1.51E-10	5.41E-10	6.92E-10	8.12E-11	2.51E-10	3.32E-10
6309	436968.9	3762638	9.649E-10	3.29E-09	4.26E-09	1.50E-10	5.38E-10	6.87E-10	8.08E-11	2.49E-10	3.30E-10
6310	436972.5	3762629	9.584E-10	3.27E-09	4.23E-09	1.49E-10	5.34E-10	6.83E-10	8.02E-11	2.48E-10	3.28E-10
6311	436976.1	3762621	9.513E-10	3.24E-09	4.20E-09	1.48E-10	5.30E-10	6.78E-10	7.96E-11	2.46E-10	3.25E-10
6312	436979.7	3762612	9.434E-10	3.22E-09	4.16E-09	1.47E-10	5.26E-10	6.72E-10	7.90E-11	2.44E-10	3.23E-10
6313	436983.3	3762603	9.351E-10	3.19E-09	4.12E-09	1.45E-10	5.21E-10	6.66E-10	7.83E-11	2.42E-10	3.20E-10
6314	436986.9	3762594	9.26E-10	3.16E-09	4.08E-09	1.44E-10	5.16E-10	6.60E-10	7.75E-11	2.39E-10	3.17E-10
6315	436990.5	3762586	9.164E-10	3.12E-09	4.04E-09	1.42E-10	5.10E-10	6.53E-10	7.67E-11	2.37E-10	3.13E-10
6316	436994.1	3762577	9.063E-10	3.09E-09	4.00E-09	1.41E-10	5.05E-10	6.46E-10	7.59E-11	2.34E-10	3.10E-10
6317	436997.7	3762568	8.957E-10	3.05E-09	3.95E-09	1.39E-10	4.99E-10	6.38E-10	7.50E-11	2.31E-10	3.06E-10
6318	437001.3	3762560	8.847E-10	3.02E-09	3.90E-09	1.37E-10	4.93E-10	6.30E-10	7.41E-11	2.29E-10	3.03E-10
6319	437004.8	3762551	8.734E-10	2.98E-09	3.85E-09	1.36E-10	4.87E-10	6.22E-10	7.31E-11	2.26E-10	2.99E-10
6320	437008.4	3762542	8.618E-10	2.94E-09	3.80E-09	1.34E-10	4.80E-10	6.14E-10	7.21E-11	2.23E-10	2.95E-10
6321	437012	3762533	8.51E-10	2.90E-09	3.75E-09	1.32E-10	4.74E-10	6.06E-10	7.12E-11	2.20E-10	2.91E-10
6322	437015.6	3762525	8.406E-10	2.87E-09	3.71E-09	1.31E-10	4.68E-10	5.99E-10	7.04E-11	2.17E-10	2.88E-10
6323	437019.2	3762516	8.301E-10	2.83E-09	3.66E-09	1.29E-10	4.62E-10	5.91E-10	6.95E-11	2.14E-10	2.84E-10
6324	437022.8	3762507	8.194E-10	2.79E-09	3.61E-09	1.27E-10	4.56E-10	5.84E-10	6.86E-11	2.12E-10	2.80E-10
6325	437030	3762490	7.974E-10	2.72E-09	3.52E-09	1.24E-10	4.44E-10	5.68E-10	6.67E-11	2.06E-10	2.73E-10
6326	437047.9	3762446	7.407E-10	2.53E-09	3.27E-09	1.15E-10	4.13E-10	5.28E-10	6.20E-11	1.91E-10	2.53E-10
6327	437051.5	3762438	7.302E-10	2.49E-09	3.22E-09	1.13E-10	4.07E-10	5.20E-10	6.11E-11	1.89E-10	2.50E-10
6328	437055.1	3762429	7.193E-10	2.45E-09	3.17E-09	1.12E-10	4.01E-10	5.12E-10	6.02E-11	1.86E-10	2.46E-10
6329	437058.7	3762420	7.081E-10	2.41E-09	3.12E-09	1.10E-10	3.94E-10	5.04E-10	5.93E-11	1.83E-10	2.42E-10
6330	437074.6	3762399	6.903E-10	2.35E-09	3.04E-09	1.07E-10	3.85E-10	4.92E-10	5.78E-11	1.78E-10	2.36E-10
6331	437100.6	3762388	7.059E-10	2.41E-09	3.11E-09	1.10E-10	3.93E-10	5.03E-10	5.91E-11	1.82E-10	2.41E-10
6332	437109.3	3762385	7.098E-10	2.42E-09	3.13E-09	1.10E-10	3.95E-10	5.06E-10	5.94E-11	1.83E-10	2.43E-10
6333	437118	3762381	7.133E-10	2.43E-09	3.15E-09	1.11E-10	3.97E-10	5.08E-10	5.97E-11	1.84E-10	2.44E-10
6334	437126.7	3762377	7.162E-10	2.44E-09	3.16E-09	1.11E-10	3.99E-10	5.10E-10	5.99E-11	1.85E-10	2.45E-10
6335	437135.4	3762374	7.185E-10	2.45E-09	3.17E-09	1.12E-10	4.00E-10	5.12E-10	6.01E-11	1.86E-10	2.46E-10
6336	437144	3762370	7.2E-10	2.46E-09	3.17E-09	1.12E-10	4.01E-10	5.13E-10	6.03E-11	1.86E-10	2.46E-10
6337	437178.8	3762355	7.187E-10	2.45E-09	3.17E-09	1.12E-10	4.00E-10	5.12E-10	6.02E-11	1.86E-10	2.46E-10
6338	437187.5	3762352	7.175E-10	2.45E-09	3.16E-09	1.11E-10	4.00E-10	5.11E-10	6.01E-11	1.85E-10	2.45E-10
6339	437196.2	3762348	7.156E-10	2.44E-09	3.16E-09	1.11E-10	3.99E-10	5.10E-10	5.99E-11	1.85E-10	2.45E-10
6340	437204.8	3762345	7.132E-10	2.43E-09	3.15E-09	1.11E-10	3.97E-10	5.08E-10	5.97E-11	1.84E-10	2.44E-10

6341	437213.5	3762341	7.104E-10	2.42E-09	3.13E-09	1.10E-10	3.96E-10	5.06E-10	5.95E-11	1.84E-10	2.43E-10
6342	437222.2	3762337	7.071E-10	2.41E-09	3.12E-09	1.10E-10	3.94E-10	5.04E-10	5.92E-11	1.83E-10	2.42E-10
6343	437230.9	3762334	7.035E-10	2.40E-09	3.10E-09	1.09E-10	3.92E-10	5.01E-10	5.89E-11	1.82E-10	2.41E-10
6344	437239.6	3762330	6.993E-10	2.38E-09	3.08E-09	1.09E-10	3.90E-10	4.98E-10	5.85E-11	1.81E-10	2.39E-10
6345	437248.3	3762326	6.947E-10	2.37E-09	3.06E-09	1.08E-10	3.87E-10	4.95E-10	5.82E-11	1.80E-10	2.38E-10
6346	437256.9	3762323	6.898E-10	2.35E-09	3.04E-09	1.07E-10	3.84E-10	4.91E-10	5.77E-11	1.78E-10	2.36E-10
6347	437265.6	3762319	6.845E-10	2.33E-09	3.02E-09	1.06E-10	3.81E-10	4.88E-10	5.73E-11	1.77E-10	2.34E-10
6348	437274.3	3762315	6.79E-10	2.32E-09	2.99E-09	1.06E-10	3.78E-10	4.84E-10	5.68E-11	1.75E-10	2.32E-10
6349	437283	3762312	6.733E-10	2.30E-09	2.97E-09	1.05E-10	3.75E-10	4.80E-10	5.64E-11	1.74E-10	2.30E-10
6350	437291.7	3762308	6.674E-10	2.28E-09	2.94E-09	1.04E-10	3.72E-10	4.75E-10	5.59E-11	1.72E-10	2.28E-10
6351	437300.4	3762304	6.614E-10	2.26E-09	2.92E-09	1.03E-10	3.68E-10	4.71E-10	5.54E-11	1.71E-10	2.26E-10
6352	437309.1	3762301	6.554E-10	2.23E-09	2.89E-09	1.02E-10	3.65E-10	4.67E-10	5.49E-11	1.69E-10	2.24E-10
6353	437317.7	3762297	6.494E-10	2.21E-09	2.86E-09	1.01E-10	3.62E-10	4.63E-10	5.44E-11	1.68E-10	2.22E-10
6354	437326.4	3762294	6.434E-10	2.19E-09	2.84E-09	1.00E-10	3.58E-10	4.58E-10	5.39E-11	1.66E-10	2.20E-10
6355	437335.1	3762290	6.375E-10	2.17E-09	2.81E-09	9.91E-11	3.55E-10	4.54E-10	5.34E-11	1.65E-10	2.18E-10
6356	437343.8	3762286	6.318E-10	2.15E-09	2.79E-09	9.82E-11	3.52E-10	4.50E-10	5.29E-11	1.63E-10	2.16E-10
6357	437352.5	3762283	6.264E-10	2.14E-09	2.76E-09	9.73E-11	3.49E-10	4.46E-10	5.24E-11	1.62E-10	2.14E-10
6358	436943.8	3762709	9.952E-10	3.39E-09	4.39E-09	1.55E-10	5.54E-10	7.09E-10	8.33E-11	2.57E-10	3.40E-10
6359	436943.8	3762718	1.006E-09	3.43E-09	4.44E-09	1.56E-10	5.61E-10	7.17E-10	8.42E-11	2.60E-10	3.44E-10
6360	436943.8	3762728	1.016E-09	3.47E-09	4.48E-09	1.58E-10	5.66E-10	7.24E-10	8.51E-11	2.63E-10	3.48E-10
6361	436943.8	3762738	1.025E-09	3.49E-09	4.52E-09	1.59E-10	5.71E-10	7.30E-10	8.58E-11	2.65E-10	3.51E-10
6362	436943.8	3762747	1.032E-09	3.52E-09	4.55E-09	1.60E-10	5.75E-10	7.35E-10	8.63E-11	2.67E-10	3.53E-10
6363	436943.8	3762757	1.037E-09	3.54E-09	4.57E-09	1.61E-10	5.78E-10	7.39E-10	8.68E-11	2.68E-10	3.55E-10
6364	436943.8	3762767	1.041E-09	3.55E-09	4.59E-09	1.62E-10	5.80E-10	7.42E-10	8.71E-11	2.69E-10	3.56E-10
6365	436943.8	3762776	1.043E-09	3.56E-09	4.60E-09	1.62E-10	5.81E-10	7.43E-10	8.73E-11	2.70E-10	3.57E-10
6366	436943.8	3762786	1.044E-09	3.56E-09	4.60E-09	1.62E-10	5.82E-10	7.44E-10	8.74E-11	2.70E-10	3.57E-10
6367	436943.8	3762796	1.043E-09	3.56E-09	4.60E-09	1.62E-10	5.81E-10	7.43E-10	8.73E-11	2.69E-10	3.57E-10
6368	436943.8	3762806	1.04E-09	3.55E-09	4.59E-09	1.62E-10	5.80E-10	7.41E-10	8.71E-11	2.69E-10	3.56E-10
6369	436943.8	3762815	1.036E-09	3.53E-09	4.57E-09	1.61E-10	5.77E-10	7.38E-10	8.67E-11	2.68E-10	3.54E-10
6370	436943.8	3762825	1.031E-09	3.51E-09	4.55E-09	1.60E-10	5.74E-10	7.34E-10	8.63E-11	2.66E-10	3.53E-10
6371	436943.8	3762835	1.024E-09	3.49E-09	4.52E-09	1.59E-10	5.70E-10	7.29E-10	8.57E-11	2.65E-10	3.50E-10
6372	436943.8	3762844	1.016E-09	3.46E-09	4.48E-09	1.58E-10	5.66E-10	7.24E-10	8.50E-11	2.62E-10	3.47E-10
6373	436924.7	3762672	8.807E-10	3.00E-09	3.88E-09	1.37E-10	4.91E-10	6.27E-10	7.37E-11	2.28E-10	3.01E-10
6374	436928.3	3762664	8.788E-10	3.00E-09	3.88E-09	1.37E-10	4.90E-10	6.26E-10	7.36E-11	2.27E-10	3.01E-10
6375	436932	3762655	8.761E-10	2.99E-09	3.86E-09	1.36E-10	4.88E-10	6.24E-10	7.33E-11	2.26E-10	3.00E-10
6376	436935.6	3762646	8.725E-10	2.98E-09	3.85E-09	1.36E-10	4.86E-10	6.22E-10	7.30E-11	2.25E-10	2.98E-10
6377	436939.2	3762637	8.681E-10	2.96E-09	3.83E-09	1.35E-10	4.84E-10	6.18E-10	7.27E-11	2.24E-10	2.97E-10
6378	436942.9	3762628	8.631E-10	2.94E-09	3.81E-09	1.34E-10	4.81E-10	6.15E-10	7.22E-11	2.23E-10	2.95E-10
6379	436946.5	3762620	8.574E-10	2.92E-09	3.78E-09	1.33E-10	4.78E-10	6.11E-10	7.18E-11	2.22E-10	2.93E-10
6380	436950.1	3762611	8.512E-10	2.90E-09	3.75E-09	1.32E-10	4.74E-10	6.06E-10	7.12E-11	2.20E-10	2.91E-10
6381	436953.8	3762602	8.444E-10	2.88E-09	3.72E-09	1.31E-10	4.70E-10	6.02E-10	7.07E-11	2.18E-10	2.89E-10
6382	436957.4	3762593	8.369E-10	2.85E-09	3.69E-09	1.30E-10	4.66E-10	5.96E-10	7.00E-11	2.16E-10	2.86E-10
6383	436964.7	3762576	8.206E-10	2.80E-09	3.62E-09	1.27E-10	4.57E-10	5.85E-10	6.87E-11	2.12E-10	2.81E-10
6384	436968.3	3762567	8.121E-10	2.77E-09	3.58E-09	1.26E-10	4.52E-10	5.79E-10	6.80E-11	2.10E-10	2.78E-10
6385	436971.9	3762558	8.031E-10	2.74E-09	3.54E-09	1.25E-10	4.47E-10	5.72E-10	6.72E-11	2.08E-10	2.75E-10
6386	436975.6	3762549	7.94E-10	2.71E-09	3.50E-09	1.23E-10	4.42E-10	5.66E-10	6.65E-11	2.05E-10	2.72E-10
6387	436982.8	3762532	7.755E-10	2.64E-09	3.42E-09	1.20E-10	4.32E-10	5.53E-10	6.49E-11	2.00E-10	2.65E-10
6388	436986.5	3762523	7.664E-10	2.61E-09	3.38E-09	1.19E-10	4.27E-10	5.46E-10	6.42E-11	1.98E-10	2.62E-10
6389	436990.1	3762514	7.573E-10	2.58E-09	3.34E-09	1.18E-10	4.22E-10	5.40E-10	6.34E-11	1.96E-10	2.59E-10
6390	436993.7	3762505	7.477E-10	2.55E-09	3.30E-09	1.16E-10	4.16E-10	5.33E-10	6.26E-11	1.93E-10	2.56E-10
6391	436997.4	3762496	7.378E-10	2.52E-09	3.25E-09	1.15E-10	4.11E-10	5.26E-10	6.18E-11	1.91E-10	2.52E-10
6392	437015.5	3762452	6.905E-10	2.35E-09	3.05E-09	1.07E-10	3.85E-10	4.92E-10	5.78E-11	1.78E-10	2.36E-10
6393	437019.2	3762443	6.816E-10	2.32E-09	3.01E-09	1.06E-10	3.80E-10	4.86E-10	5.71E-11	1.76E-10	2.33E-10
6394	437022.8	3762435	6.727E-10	2.29E-09	2.97E-09	1.05E-10	3.75E-10	4.79E-10	5.63E-11	1.74E-10	2.30E-10
6395	437030.1	3762417	6.54E-10	2.23E-09	2.88E-09	1.02E-10	3.64E-10	4.66E-10	5.47E-11	1.69E-10	2.24E-10
6396	437033.7	3762408	6.441E-10	2.20E-09	2.84E-09	1.00E-10	3.59E-10	4.59E-10	5.39E-11	1.66E-10	2.20E-10
6397	437037.3	3762399	6.341E-10	2.16E-09	2.80E-09	9.85E-11	3.53E-10	4.52E-10	5.31E-11	1.64E-10	2.17E-10
6398	437041	3762391	6.239E-10	2.13E-09	2.75E-09	9.69E-11	3.48E-10	4.44E-10	5.22E-11	1.61E-10	2.13E-10
6399	437053.4	3762378	6.183E-10	2.11E-09	2.73E-09	9.61E-11	3.44E-10	4.40E-10	5.18E-11	1.60E-10	2.12E-10
6400	437088.5	3762363	6.335E-10	2.16E-09	2.79E-09	9.84E-11	3.53E-10	4.51E-10	5.30E-11	1.64E-10	2.17E-10
6401	437097.3	3762360	6.363E-10	2.17E-09	2.81E-09	9.89E-11	3.54E-10	4.53E-10	5.33E-11	1.64E-10	2.18E-10

6402	437106.1	3762356	6.383E-10	2.18E-09	2.81E-09	9.92E-11	3.56E-10	4.55E-10	5.34E-11	1.65E-10	2.18E-10
6403	437114.9	3762352	6.397E-10	2.18E-09	2.82E-09	9.94E-11	3.56E-10	4.56E-10	5.35E-11	1.65E-10	2.19E-10
6404	437123.7	3762349	6.405E-10	2.18E-09	2.82E-09	9.95E-11	3.57E-10	4.56E-10	5.36E-11	1.65E-10	2.19E-10
6405	437132.5	3762345	6.408E-10	2.19E-09	2.83E-09	9.96E-11	3.57E-10	4.57E-10	5.36E-11	1.66E-10	2.19E-10
6406	437141.3	3762341	6.415E-10	2.19E-09	2.83E-09	9.97E-11	3.57E-10	4.57E-10	5.37E-11	1.66E-10	2.19E-10
6407	437185.2	3762323	6.386E-10	2.18E-09	2.82E-09	9.92E-11	3.56E-10	4.55E-10	5.35E-11	1.65E-10	2.18E-10
6408	437194	3762319	6.366E-10	2.17E-09	2.81E-09	9.89E-11	3.55E-10	4.54E-10	5.33E-11	1.64E-10	2.18E-10
6409	437202.8	3762315	6.339E-10	2.16E-09	2.80E-09	9.85E-11	3.53E-10	4.52E-10	5.31E-11	1.64E-10	2.17E-10
6410	437211.6	3762312	6.31E-10	2.15E-09	2.78E-09	9.80E-11	3.51E-10	4.50E-10	5.28E-11	1.63E-10	2.16E-10
6411	437220.4	3762308	6.275E-10	2.14E-09	2.77E-09	9.75E-11	3.50E-10	4.47E-10	5.25E-11	1.62E-10	2.15E-10
6412	437229.2	3762304	6.236E-10	2.13E-09	2.75E-09	9.69E-11	3.47E-10	4.44E-10	5.22E-11	1.61E-10	2.13E-10
6413	437237.9	3762301	6.193E-10	2.11E-09	2.73E-09	9.62E-11	3.45E-10	4.41E-10	5.18E-11	1.60E-10	2.12E-10
6414	437246.7	3762297	6.148E-10	2.10E-09	2.71E-09	9.55E-11	3.42E-10	4.38E-10	5.15E-11	1.59E-10	2.10E-10
6415	437255.5	3762293	6.101E-10	2.08E-09	2.69E-09	9.48E-11	3.40E-10	4.35E-10	5.11E-11	1.58E-10	2.09E-10
6416	437264.3	3762290	6.052E-10	2.06E-09	2.67E-09	9.40E-11	3.37E-10	4.31E-10	5.07E-11	1.56E-10	2.07E-10
6417	437273.1	3762286	6.001E-10	2.05E-09	2.65E-09	9.32E-11	3.34E-10	4.28E-10	5.02E-11	1.55E-10	2.05E-10
6418	437281.9	3762282	5.95E-10	2.03E-09	2.62E-09	9.24E-11	3.31E-10	4.24E-10	4.98E-11	1.54E-10	2.04E-10
6419	437290.7	3762278	5.897E-10	2.01E-09	2.60E-09	9.16E-11	3.29E-10	4.20E-10	4.94E-11	1.52E-10	2.02E-10
6420	437299.5	3762275	5.846E-10	1.99E-09	2.58E-09	9.08E-11	3.26E-10	4.16E-10	4.89E-11	1.51E-10	2.00E-10
6421	437308.2	3762271	5.794E-10	1.98E-09	2.55E-09	9.00E-11	3.23E-10	4.13E-10	4.85E-11	1.50E-10	1.98E-10
6422	437317	3762267	5.742E-10	1.96E-09	2.53E-09	8.92E-11	3.20E-10	4.09E-10	4.81E-11	1.48E-10	1.96E-10
6423	437325.8	3762264	5.692E-10	1.94E-09	2.51E-09	8.84E-11	3.17E-10	4.06E-10	4.76E-11	1.47E-10	1.95E-10
6424	437334.6	3762260	5.642E-10	1.92E-09	2.49E-09	8.77E-11	3.14E-10	4.02E-10	4.72E-11	1.46E-10	1.93E-10
6425	437343.4	3762256	5.594E-10	1.91E-09	2.47E-09	8.69E-11	3.12E-10	3.99E-10	4.68E-11	1.45E-10	1.91E-10
6426	437352.2	3762253	5.548E-10	1.89E-09	2.45E-09	8.62E-11	3.09E-10	3.95E-10	4.64E-11	1.43E-10	1.90E-10
6427	436913.8	3762709	8.896E-10	3.03E-09	3.92E-09	1.38E-10	4.96E-10	6.34E-10	7.45E-11	2.30E-10	3.04E-10
6428	436913.8	3762718	8.984E-10	3.06E-09	3.96E-09	1.40E-10	5.00E-10	6.40E-10	7.52E-11	2.32E-10	3.07E-10
6429	436913.8	3762728	9.059E-10	3.09E-09	4.00E-09	1.41E-10	5.05E-10	6.45E-10	7.58E-11	2.34E-10	3.10E-10
6430	436913.8	3762738	9.124E-10	3.11E-09	4.02E-09	1.42E-10	5.08E-10	6.50E-10	7.64E-11	2.36E-10	3.12E-10
6431	436913.8	3762747	9.176E-10	3.13E-09	4.05E-09	1.43E-10	5.11E-10	6.54E-10	7.68E-11	2.37E-10	3.14E-10
6432	436913.8	3762757	9.215E-10	3.14E-09	4.06E-09	1.43E-10	5.13E-10	6.57E-10	7.71E-11	2.38E-10	3.15E-10
6433	436913.8	3762767	9.244E-10	3.15E-09	4.08E-09	1.44E-10	5.15E-10	6.59E-10	7.74E-11	2.39E-10	3.16E-10
6434	436913.8	3762776	9.259E-10	3.16E-09	4.08E-09	1.44E-10	5.16E-10	6.60E-10	7.75E-11	2.39E-10	3.17E-10
6435	436913.8	3762786	9.26E-10	3.16E-09	4.08E-09	1.44E-10	5.16E-10	6.60E-10	7.75E-11	2.39E-10	3.17E-10
6436	436913.8	3762796	9.249E-10	3.15E-09	4.08E-09	1.44E-10	5.15E-10	6.59E-10	7.74E-11	2.39E-10	3.16E-10
6437	436913.8	3762806	9.226E-10	3.15E-09	4.07E-09	1.43E-10	5.14E-10	6.57E-10	7.72E-11	2.38E-10	3.16E-10
6438	436913.8	3762815	9.193E-10	3.13E-09	4.05E-09	1.43E-10	5.12E-10	6.55E-10	7.69E-11	2.38E-10	3.14E-10
6439	436913.8	3762825	9.15E-10	3.12E-09	4.04E-09	1.42E-10	5.10E-10	6.52E-10	7.66E-11	2.36E-10	3.13E-10
6440	436913.8	3762835	9.096E-10	3.10E-09	4.01E-09	1.41E-10	5.07E-10	6.48E-10	7.61E-11	2.35E-10	3.11E-10
6441	436913.8	3762844	9.03E-10	3.08E-09	3.98E-09	1.40E-10	5.03E-10	6.43E-10	7.56E-11	2.33E-10	3.09E-10
6442	436894.8	3762672	7.935E-10	2.71E-09	3.50E-09	1.23E-10	4.42E-10	5.65E-10	6.64E-11	2.05E-10	2.71E-10
6443	436898.5	3762663	7.924E-10	2.70E-09	3.49E-09	1.23E-10	4.41E-10	5.65E-10	6.63E-11	2.05E-10	2.71E-10
6444	436902.2	3762654	7.905E-10	2.70E-09	3.49E-09	1.23E-10	4.40E-10	5.63E-10	6.62E-11	2.04E-10	2.70E-10
6445	436905.8	3762645	7.879E-10	2.69E-09	3.47E-09	1.22E-10	4.39E-10	5.61E-10	6.59E-11	2.04E-10	2.70E-10
6446	436909.5	3762637	7.846E-10	2.68E-09	3.46E-09	1.22E-10	4.37E-10	5.59E-10	6.57E-11	2.03E-10	2.68E-10
6447	436913.2	3762628	7.807E-10	2.66E-09	3.44E-09	1.21E-10	4.35E-10	5.56E-10	6.53E-11	2.02E-10	2.67E-10
6448	436916.8	3762619	7.761E-10	2.65E-09	3.42E-09	1.21E-10	4.32E-10	5.53E-10	6.50E-11	2.01E-10	2.66E-10
6449	436920.5	3762610	7.711E-10	2.63E-09	3.40E-09	1.20E-10	4.30E-10	5.49E-10	6.45E-11	1.99E-10	2.64E-10
6450	436924.2	3762601	7.654E-10	2.61E-09	3.38E-09	1.19E-10	4.26E-10	5.45E-10	6.41E-11	1.98E-10	2.62E-10
6451	436927.9	3762592	7.595E-10	2.59E-09	3.35E-09	1.18E-10	4.23E-10	5.41E-10	6.36E-11	1.96E-10	2.60E-10
6452	436931.5	3762583	7.531E-10	2.57E-09	3.32E-09	1.17E-10	4.20E-10	5.37E-10	6.30E-11	1.95E-10	2.58E-10
6453	436935.2	3762574	7.464E-10	2.55E-09	3.29E-09	1.16E-10	4.16E-10	5.32E-10	6.25E-11	1.93E-10	2.55E-10
6454	436938.9	3762565	7.393E-10	2.52E-09	3.26E-09	1.15E-10	4.12E-10	5.27E-10	6.19E-11	1.91E-10	2.53E-10
6455	436942.6	3762556	7.319E-10	2.50E-09	3.23E-09	1.14E-10	4.08E-10	5.21E-10	6.13E-11	1.89E-10	2.50E-10
6456	436946.2	3762548	7.243E-10	2.47E-09	3.19E-09	1.13E-10	4.04E-10	5.16E-10	6.06E-11	1.87E-10	2.48E-10
6457	436953.6	3762530	7.088E-10	2.42E-09	3.13E-09	1.10E-10	3.95E-10	5.05E-10	5.93E-11	1.83E-10	2.42E-10
6458	436957.2	3762521	7.01E-10	2.39E-09	3.09E-09	1.09E-10	3.90E-10	4.99E-10	5.87E-11	1.81E-10	2.40E-10
6459	436960.9	3762512	6.931E-10	2.36E-09	3.06E-09	1.08E-10	3.86E-10	4.94E-10	5.80E-11	1.79E-10	2.37E-10
6460	436964.6	3762503	6.85E-10	2.34E-09	3.02E-09	1.06E-10	3.82E-10	4.88E-10	5.73E-11	1.77E-10	2.34E-10
6461	436990.3	3762441	6.295E-10	2.15E-09	2.78E-09	9.78E-11	3.51E-10	4.48E-10	5.27E-11	1.63E-10	2.15E-10
6462	436994	3762432	6.219E-10	2.12E-09	2.74E-09	9.66E-11	3.46E-10	4.43E-10	5.21E-11	1.61E-10	2.13E-10

6463	436997.6	3762423	6.141E-10	2.09E-09	2.71E-09	9.54E-11	3.42E-10	4.38E-10	5.14E-11	1.59E-10	2.10E-10
6464	437001.3	3762414	6.061E-10	2.07E-09	2.67E-09	9.42E-11	3.38E-10	4.32E-10	5.07E-11	1.57E-10	2.07E-10
6465	437008.6	3762396	5.895E-10	2.01E-09	2.60E-09	9.16E-11	3.28E-10	4.20E-10	4.93E-11	1.52E-10	2.02E-10
6466	437012.3	3762387	5.809E-10	1.98E-09	2.56E-09	9.03E-11	3.24E-10	4.14E-10	4.86E-11	1.50E-10	1.99E-10
6467	437019.7	3762369	5.627E-10	1.92E-09	2.48E-09	8.74E-11	3.13E-10	4.01E-10	4.71E-11	1.45E-10	1.93E-10
6468	437032.2	3762357	5.571E-10	1.90E-09	2.46E-09	8.66E-11	3.10E-10	3.97E-10	4.66E-11	1.44E-10	1.91E-10
6469	437058.8	3762346	5.669E-10	1.93E-09	2.50E-09	8.81E-11	3.16E-10	4.04E-10	4.75E-11	1.46E-10	1.94E-10
6470	437067.7	3762342	5.694E-10	1.94E-09	2.51E-09	8.85E-11	3.17E-10	4.06E-10	4.77E-11	1.47E-10	1.95E-10
6471	437076.6	3762338	5.713E-10	1.95E-09	2.52E-09	8.88E-11	3.18E-10	4.07E-10	4.78E-11	1.48E-10	1.95E-10
6472	437085.5	3762334	5.729E-10	1.95E-09	2.53E-09	8.90E-11	3.19E-10	4.08E-10	4.80E-11	1.48E-10	1.96E-10
6473	437094.4	3762331	5.74E-10	1.96E-09	2.53E-09	8.92E-11	3.20E-10	4.09E-10	4.80E-11	1.48E-10	1.96E-10
6474	437103.3	3762327	5.748E-10	1.96E-09	2.54E-09	8.93E-11	3.20E-10	4.10E-10	4.81E-11	1.49E-10	1.97E-10
6475	437112.1	3762323	5.753E-10	1.96E-09	2.54E-09	8.94E-11	3.21E-10	4.10E-10	4.82E-11	1.49E-10	1.97E-10
6476	437121	3762320	5.756E-10	1.96E-09	2.54E-09	8.94E-11	3.21E-10	4.10E-10	4.82E-11	1.49E-10	1.97E-10
6477	437129.9	3762316	5.755E-10	1.96E-09	2.54E-09	8.94E-11	3.21E-10	4.10E-10	4.82E-11	1.49E-10	1.97E-10
6478	437138.8	3762312	5.763E-10	1.97E-09	2.54E-09	8.96E-11	3.21E-10	4.11E-10	4.82E-11	1.49E-10	1.97E-10
6479	437147.7	3762308	5.765E-10	1.97E-09	2.54E-09	8.96E-11	3.21E-10	4.11E-10	4.83E-11	1.49E-10	1.97E-10
6480	437183.2	3762293	5.719E-10	1.95E-09	2.52E-09	8.89E-11	3.19E-10	4.07E-10	4.79E-11	1.48E-10	1.96E-10
6481	437192.1	3762290	5.695E-10	1.94E-09	2.51E-09	8.85E-11	3.17E-10	4.06E-10	4.77E-11	1.47E-10	1.95E-10
6482	437200.9	3762286	5.666E-10	1.93E-09	2.50E-09	8.80E-11	3.16E-10	4.04E-10	4.74E-11	1.46E-10	1.94E-10
6483	437209.8	3762282	5.634E-10	1.92E-09	2.48E-09	8.75E-11	3.14E-10	4.01E-10	4.72E-11	1.46E-10	1.93E-10
6484	437218.7	3762279	5.598E-10	1.91E-09	2.47E-09	8.70E-11	3.12E-10	3.99E-10	4.69E-11	1.45E-10	1.92E-10
6485	437227.6	3762275	5.559E-10	1.90E-09	2.45E-09	8.64E-11	3.10E-10	3.96E-10	4.65E-11	1.44E-10	1.90E-10
6486	437236.5	3762271	5.518E-10	1.88E-09	2.43E-09	8.57E-11	3.07E-10	3.93E-10	4.62E-11	1.43E-10	1.89E-10
6487	437245.3	3762267	5.475E-10	1.87E-09	2.41E-09	8.51E-11	3.05E-10	3.90E-10	4.58E-11	1.41E-10	1.87E-10
6488	437254.2	3762264	5.43E-10	1.85E-09	2.39E-09	8.44E-11	3.03E-10	3.87E-10	4.55E-11	1.40E-10	1.86E-10
6489	437263.1	3762260	5.386E-10	1.84E-09	2.38E-09	8.37E-11	3.00E-10	3.84E-10	4.51E-11	1.39E-10	1.84E-10
6490	437272	3762256	5.34E-10	1.82E-09	2.36E-09	8.30E-11	2.97E-10	3.80E-10	4.47E-11	1.38E-10	1.83E-10
6491	437280.9	3762252	5.294E-10	1.81E-09	2.33E-09	8.23E-11	2.95E-10	3.77E-10	4.43E-11	1.37E-10	1.81E-10
6492	437289.7	3762249	5.25E-10	1.79E-09	2.32E-09	8.16E-11	2.92E-10	3.74E-10	4.39E-11	1.36E-10	1.80E-10
6493	437298.6	3762245	5.204E-10	1.77E-09	2.30E-09	8.09E-11	2.90E-10	3.71E-10	4.36E-11	1.34E-10	1.78E-10
6494	437307.5	3762241	5.16E-10	1.76E-09	2.28E-09	8.02E-11	2.87E-10	3.68E-10	4.32E-11	1.33E-10	1.77E-10
6495	437316.4	3762238	5.116E-10	1.74E-09	2.26E-09	7.95E-11	2.85E-10	3.65E-10	4.28E-11	1.32E-10	1.75E-10
6496	437325.3	3762234	5.074E-10	1.73E-09	2.24E-09	7.88E-11	2.83E-10	3.61E-10	4.25E-11	1.31E-10	1.74E-10
6497	437334.1	3762230	5.032E-10	1.72E-09	2.22E-09	7.82E-11	2.80E-10	3.59E-10	4.21E-11	1.30E-10	1.72E-10
6498	437343	3762226	4.991E-10	1.70E-09	2.20E-09	7.76E-11	2.78E-10	3.56E-10	4.18E-11	1.29E-10	1.71E-10
6499	437351.9	3762223	4.953E-10	1.69E-09	2.18E-09	7.70E-11	2.76E-10	3.53E-10	4.15E-11	1.28E-10	1.69E-10
6500	436883.8	3762709	7.993E-10	2.73E-09	3.52E-09	1.24E-10	4.45E-10	5.69E-10	6.69E-11	2.07E-10	2.73E-10
6501	436883.8	3762718	8.064E-10	2.75E-09	3.56E-09	1.25E-10	4.49E-10	5.75E-10	6.75E-11	2.08E-10	2.76E-10
6502	436883.8	3762728	8.126E-10	2.77E-09	3.58E-09	1.26E-10	4.53E-10	5.79E-10	6.80E-11	2.10E-10	2.78E-10
6503	436883.8	3762738	8.178E-10	2.79E-09	3.61E-09	1.27E-10	4.56E-10	5.83E-10	6.85E-11	2.11E-10	2.80E-10
6504	436883.8	3762747	8.219E-10	2.80E-09	3.62E-09	1.28E-10	4.58E-10	5.86E-10	6.88E-11	2.12E-10	2.81E-10
6505	436883.8	3762757	8.252E-10	2.81E-09	3.64E-09	1.28E-10	4.60E-10	5.88E-10	6.91E-11	2.13E-10	2.82E-10
6506	436883.8	3762767	8.274E-10	2.82E-09	3.65E-09	1.29E-10	4.61E-10	5.89E-10	6.93E-11	2.14E-10	2.83E-10
6507	436883.8	3762776	8.284E-10	2.82E-09	3.65E-09	1.29E-10	4.61E-10	5.90E-10	6.93E-11	2.14E-10	2.83E-10
6508	436883.8	3762786	8.284E-10	2.82E-09	3.65E-09	1.29E-10	4.61E-10	5.90E-10	6.93E-11	2.14E-10	2.83E-10
6509	436883.8	3762796	8.274E-10	2.82E-09	3.65E-09	1.29E-10	4.61E-10	5.89E-10	6.93E-11	2.14E-10	2.83E-10
6510	436883.8	3762806	8.253E-10	2.81E-09	3.64E-09	1.28E-10	4.60E-10	5.88E-10	6.91E-11	2.13E-10	2.82E-10
6511	436883.8	3762815	8.223E-10	2.80E-09	3.63E-09	1.28E-10	4.58E-10	5.86E-10	6.88E-11	2.12E-10	2.81E-10
6512	436883.8	3762825	8.184E-10	2.79E-09	3.61E-09	1.27E-10	4.56E-10	5.83E-10	6.85E-11	2.11E-10	2.80E-10
6513	436883.8	3762835	8.136E-10	2.77E-09	3.59E-09	1.26E-10	4.53E-10	5.80E-10	6.81E-11	2.10E-10	2.78E-10
6514	436883.8	3762844	8.082E-10	2.76E-09	3.56E-09	1.26E-10	4.50E-10	5.76E-10	6.76E-11	2.09E-10	2.76E-10
6515	436864.7	3762673	7.187E-10	2.45E-09	3.17E-09	1.12E-10	4.00E-10	5.12E-10	6.02E-11	1.86E-10	2.46E-10
6516	436868.3	3762664	7.183E-10	2.45E-09	3.17E-09	1.12E-10	4.00E-10	5.12E-10	6.01E-11	1.86E-10	2.46E-10
6517	436871.9	3762655	7.17E-10	2.45E-09	3.16E-09	1.11E-10	3.99E-10	5.11E-10	6.00E-11	1.85E-10	2.45E-10
6518	436875.5	3762646	7.15E-10	2.44E-09	3.15E-09	1.11E-10	3.98E-10	5.09E-10	5.98E-11	1.85E-10	2.45E-10
6519	436879.1	3762638	7.124E-10	2.43E-09	3.14E-09	1.11E-10	3.97E-10	5.08E-10	5.96E-11	1.84E-10	2.44E-10
6520	436882.7	3762629	7.092E-10	2.42E-09	3.13E-09	1.10E-10	3.95E-10	5.05E-10	5.94E-11	1.83E-10	2.43E-10
6521	436886.3	3762620	7.056E-10	2.41E-09	3.11E-09	1.10E-10	3.93E-10	5.03E-10	5.91E-11	1.82E-10	2.41E-10
6522	436890	3762611	7.017E-10	2.39E-09	3.09E-09	1.09E-10	3.91E-10	5.00E-10	5.87E-11	1.81E-10	2.40E-10
6523	436893.6	3762602	6.974E-10	2.38E-09	3.08E-09	1.08E-10	3.89E-10	4.97E-10	5.84E-11	1.80E-10	2.39E-10

6524	436897.2	3762594	6.932E-10	2.36E-09	3.06E-09	1.08E-10	3.86E-10	4.94E-10	5.80E-11	1.79E-10	2.37E-10
6525	436900.8	3762585	6.885E-10	2.35E-09	3.04E-09	1.07E-10	3.84E-10	4.91E-10	5.76E-11	1.78E-10	2.36E-10
6526	436904.4	3762576	6.834E-10	2.33E-09	3.01E-09	1.06E-10	3.81E-10	4.87E-10	5.72E-11	1.77E-10	2.34E-10
6527	436911.7	3762559	6.72E-10	2.29E-09	2.96E-09	1.04E-10	3.74E-10	4.79E-10	5.62E-11	1.74E-10	2.30E-10
6528	436915.3	3762550	6.66E-10	2.27E-09	2.94E-09	1.03E-10	3.71E-10	4.74E-10	5.57E-11	1.72E-10	2.28E-10
6529	436918.9	3762541	6.598E-10	2.25E-09	2.91E-09	1.03E-10	3.68E-10	4.70E-10	5.52E-11	1.70E-10	2.26E-10
6530	436922.5	3762532	6.534E-10	2.23E-09	2.88E-09	1.02E-10	3.64E-10	4.66E-10	5.47E-11	1.69E-10	2.24E-10
6531	436929.7	3762515	6.402E-10	2.18E-09	2.82E-09	9.95E-11	3.57E-10	4.56E-10	5.36E-11	1.65E-10	2.19E-10
6532	436933.3	3762506	6.334E-10	2.16E-09	2.79E-09	9.84E-11	3.53E-10	4.51E-10	5.30E-11	1.64E-10	2.17E-10
6533	436937	3762497	6.266E-10	2.14E-09	2.76E-09	9.74E-11	3.49E-10	4.46E-10	5.24E-11	1.62E-10	2.14E-10
6534	436940.6	3762488	6.196E-10	2.11E-09	2.73E-09	9.63E-11	3.45E-10	4.41E-10	5.19E-11	1.60E-10	2.12E-10
6535	436955	3762453	5.926E-10	2.02E-09	2.61E-09	9.21E-11	3.30E-10	4.22E-10	4.96E-11	1.53E-10	2.03E-10
6536	436958.7	3762445	5.865E-10	2.00E-09	2.59E-09	9.11E-11	3.27E-10	4.18E-10	4.91E-11	1.52E-10	2.01E-10
6537	436965.9	3762427	5.743E-10	1.96E-09	2.53E-09	8.92E-11	3.20E-10	4.09E-10	4.81E-11	1.48E-10	1.96E-10
6538	436969.5	3762418	5.678E-10	1.94E-09	2.50E-09	8.82E-11	3.16E-10	4.05E-10	4.75E-11	1.47E-10	1.94E-10
6539	436973.1	3762410	5.612E-10	1.91E-09	2.47E-09	8.72E-11	3.13E-10	4.00E-10	4.70E-11	1.45E-10	1.92E-10
6540	436976.7	3762401	5.543E-10	1.89E-09	2.44E-09	8.61E-11	3.09E-10	3.95E-10	4.64E-11	1.43E-10	1.90E-10
6541	436984	3762383	5.401E-10	1.84E-09	2.38E-09	8.39E-11	3.01E-10	3.85E-10	4.52E-11	1.40E-10	1.85E-10
6542	436987.6	3762374	5.327E-10	1.82E-09	2.35E-09	8.28E-11	2.97E-10	3.80E-10	4.46E-11	1.38E-10	1.82E-10
6543	436991.2	3762366	5.252E-10	1.79E-09	2.32E-09	8.16E-11	2.93E-10	3.74E-10	4.40E-11	1.36E-10	1.80E-10
6544	436994.8	3762357	5.176E-10	1.77E-09	2.28E-09	8.04E-11	2.88E-10	3.69E-10	4.33E-11	1.34E-10	1.77E-10
6545	437010.8	3762336	5.051E-10	1.72E-09	2.23E-09	7.85E-11	2.81E-10	3.60E-10	4.23E-11	1.31E-10	1.73E-10
6546	437037	3762325	5.133E-10	1.75E-09	2.26E-09	7.98E-11	2.86E-10	3.66E-10	4.30E-11	1.33E-10	1.76E-10
6547	437045.8	3762321	5.155E-10	1.76E-09	2.27E-09	8.01E-11	2.87E-10	3.67E-10	4.31E-11	1.33E-10	1.76E-10
6548	437054.5	3762317	5.174E-10	1.76E-09	2.28E-09	8.04E-11	2.88E-10	3.69E-10	4.33E-11	1.34E-10	1.77E-10
6549	437063.3	3762314	5.19E-10	1.77E-09	2.29E-09	8.06E-11	2.89E-10	3.70E-10	4.34E-11	1.34E-10	1.78E-10
6550	437072	3762310	5.204E-10	1.77E-09	2.29E-09	8.09E-11	2.90E-10	3.71E-10	4.36E-11	1.34E-10	1.78E-10
6551	437080.8	3762306	5.213E-10	1.78E-09	2.30E-09	8.10E-11	2.90E-10	3.71E-10	4.36E-11	1.35E-10	1.78E-10
6552	437089.5	3762303	5.218E-10	1.78E-09	2.30E-09	8.11E-11	2.91E-10	3.72E-10	4.37E-11	1.35E-10	1.79E-10
6553	437098.2	3762299	5.221E-10	1.78E-09	2.30E-09	8.11E-11	2.91E-10	3.72E-10	4.37E-11	1.35E-10	1.79E-10
6554	437107	3762295	5.228E-10	1.78E-09	2.31E-09	8.12E-11	2.91E-10	3.72E-10	4.38E-11	1.35E-10	1.79E-10
6555	437115.7	3762292	5.233E-10	1.78E-09	2.31E-09	8.13E-11	2.91E-10	3.73E-10	4.38E-11	1.35E-10	1.79E-10
6556	437124.5	3762288	5.232E-10	1.78E-09	2.31E-09	8.13E-11	2.91E-10	3.73E-10	4.38E-11	1.35E-10	1.79E-10
6557	437133.2	3762284	5.229E-10	1.78E-09	2.31E-09	8.12E-11	2.91E-10	3.73E-10	4.38E-11	1.35E-10	1.79E-10
6558	437142	3762281	5.223E-10	1.78E-09	2.30E-09	8.12E-11	2.91E-10	3.72E-10	4.37E-11	1.35E-10	1.79E-10
6559	437176.9	3762266	5.16E-10	1.76E-09	2.28E-09	8.02E-11	2.87E-10	3.68E-10	4.32E-11	1.33E-10	1.77E-10
6560	437185.7	3762262	5.136E-10	1.75E-09	2.27E-09	7.98E-11	2.86E-10	3.66E-10	4.30E-11	1.33E-10	1.76E-10
6561	437194.4	3762259	5.108E-10	1.74E-09	2.25E-09	7.94E-11	2.85E-10	3.64E-10	4.28E-11	1.32E-10	1.75E-10
6562	437203.2	3762255	5.076E-10	1.73E-09	2.24E-09	7.89E-11	2.83E-10	3.62E-10	4.25E-11	1.31E-10	1.74E-10
6563	437211.9	3762251	5.043E-10	1.72E-09	2.22E-09	7.84E-11	2.81E-10	3.59E-10	4.22E-11	1.30E-10	1.73E-10
6564	437220.7	3762248	5.007E-10	1.71E-09	2.21E-09	7.78E-11	2.79E-10	3.57E-10	4.19E-11	1.29E-10	1.71E-10
6565	437229.4	3762244	4.969E-10	1.69E-09	2.19E-09	7.72E-11	2.77E-10	3.54E-10	4.16E-11	1.28E-10	1.70E-10
6566	437238.2	3762240	4.93E-10	1.68E-09	2.17E-09	7.66E-11	2.75E-10	3.51E-10	4.13E-11	1.27E-10	1.69E-10
6567	437246.9	3762237	4.891E-10	1.67E-09	2.16E-09	7.60E-11	2.72E-10	3.48E-10	4.09E-11	1.26E-10	1.67E-10
6568	437255.7	3762233	4.853E-10	1.65E-09	2.14E-09	7.54E-11	2.70E-10	3.46E-10	4.06E-11	1.25E-10	1.66E-10
6569	437264.4	3762229	4.815E-10	1.64E-09	2.12E-09	7.48E-11	2.68E-10	3.43E-10	4.03E-11	1.24E-10	1.65E-10
6570	437273.1	3762226	4.776E-10	1.63E-09	2.11E-09	7.42E-11	2.66E-10	3.40E-10	4.00E-11	1.23E-10	1.63E-10
6571	437281.9	3762222	4.738E-10	1.62E-09	2.09E-09	7.36E-11	2.64E-10	3.38E-10	3.97E-11	1.22E-10	1.62E-10
6572	437290.6	3762218	4.701E-10	1.60E-09	2.07E-09	7.30E-11	2.62E-10	3.35E-10	3.93E-11	1.21E-10	1.61E-10
6573	437299.4	3762215	4.663E-10	1.59E-09	2.06E-09	7.25E-11	2.60E-10	3.32E-10	3.90E-11	1.20E-10	1.60E-10
6574	437308.1	3762211	4.626E-10	1.58E-09	2.04E-09	7.19E-11	2.58E-10	3.30E-10	3.87E-11	1.20E-10	1.58E-10
6575	437316.9	3762207	4.589E-10	1.56E-09	2.02E-09	7.13E-11	2.56E-10	3.27E-10	3.84E-11	1.19E-10	1.57E-10
6576	437325.6	3762204	4.552E-10	1.55E-09	2.01E-09	7.07E-11	2.54E-10	3.24E-10	3.81E-11	1.18E-10	1.56E-10
6577	437334.4	3762200	4.518E-10	1.54E-09	1.99E-09	7.02E-11	2.52E-10	3.22E-10	3.78E-11	1.17E-10	1.55E-10
6578	437343.1	3762196	4.484E-10	1.53E-09	1.98E-09	6.97E-11	2.50E-10	3.19E-10	3.75E-11	1.16E-10	1.53E-10
6579	437351.8	3762193	4.452E-10	1.52E-09	1.96E-09	6.92E-11	2.48E-10	3.17E-10	3.73E-11	1.15E-10	1.52E-10
6580	436853.8	3762709	7.22E-10	2.46E-09	3.18E-09	1.12E-10	4.02E-10	5.14E-10	6.04E-11	1.87E-10	2.47E-10
6581	436853.8	3762718	7.277E-10	2.48E-09	3.21E-09	1.13E-10	4.05E-10	5.18E-10	6.09E-11	1.88E-10	2.49E-10
6582	436853.8	3762728	7.328E-10	2.50E-09	3.23E-09	1.14E-10	4.08E-10	5.22E-10	6.13E-11	1.89E-10	2.51E-10
6583	436853.8	3762738	7.372E-10	2.51E-09	3.25E-09	1.15E-10	4.11E-10	5.25E-10	6.17E-11	1.90E-10	2.52E-10
6584	436853.8	3762747	7.406E-10	2.53E-09	3.27E-09	1.15E-10	4.13E-10	5.28E-10	6.20E-11	1.91E-10	2.53E-10

6585	436853.8	3762757	7.432E-10	2.53E-09	3.28E-09	1.15E-10	4.14E-10	5.29E-10	6.22E-11	1.92E-10	2.54E-10
6586	436853.8	3762767	7.449E-10	2.54E-09	3.28E-09	1.16E-10	4.15E-10	5.31E-10	6.23E-11	1.92E-10	2.55E-10
6587	436853.8	3762776	7.457E-10	2.54E-09	3.29E-09	1.16E-10	4.15E-10	5.31E-10	6.24E-11	1.93E-10	2.55E-10
6588	436853.8	3762786	7.455E-10	2.54E-09	3.29E-09	1.16E-10	4.15E-10	5.31E-10	6.24E-11	1.93E-10	2.55E-10
6589	436853.8	3762796	7.445E-10	2.54E-09	3.28E-09	1.16E-10	4.15E-10	5.30E-10	6.23E-11	1.92E-10	2.55E-10
6590	436853.8	3762806	7.427E-10	2.53E-09	3.28E-09	1.15E-10	4.14E-10	5.29E-10	6.22E-11	1.92E-10	2.54E-10
6591	436853.8	3762815	7.4E-10	2.52E-09	3.26E-09	1.15E-10	4.12E-10	5.27E-10	6.19E-11	1.91E-10	2.53E-10
6592	436853.8	3762825	7.367E-10	2.51E-09	3.25E-09	1.14E-10	4.10E-10	5.25E-10	6.17E-11	1.90E-10	2.52E-10
6593	436853.8	3762835	7.326E-10	2.50E-09	3.23E-09	1.14E-10	4.08E-10	5.22E-10	6.13E-11	1.89E-10	2.51E-10
6594	436853.8	3762844	7.28E-10	2.48E-09	3.21E-09	1.13E-10	4.06E-10	5.19E-10	6.09E-11	1.88E-10	2.49E-10
6595	436834.8	3762672	6.553E-10	2.23E-09	2.89E-09	1.02E-10	3.65E-10	4.67E-10	5.48E-11	1.69E-10	2.24E-10
6596	436838.4	3762664	6.552E-10	2.23E-09	2.89E-09	1.02E-10	3.65E-10	4.67E-10	5.48E-11	1.69E-10	2.24E-10
6597	436842.1	3762655	6.544E-10	2.23E-09	2.89E-09	1.02E-10	3.65E-10	4.66E-10	5.48E-11	1.69E-10	2.24E-10
6598	436845.7	3762646	6.529E-10	2.23E-09	2.88E-09	1.01E-10	3.64E-10	4.65E-10	5.46E-11	1.69E-10	2.23E-10
6599	436849.4	3762637	6.507E-10	2.22E-09	2.87E-09	1.01E-10	3.62E-10	4.64E-10	5.45E-11	1.68E-10	2.23E-10
6600	436856.7	3762619	6.445E-10	2.20E-09	2.84E-09	1.00E-10	3.59E-10	4.59E-10	5.39E-11	1.67E-10	2.20E-10
6601	436860.3	3762610	6.407E-10	2.18E-09	2.83E-09	9.96E-11	3.57E-10	4.56E-10	5.36E-11	1.66E-10	2.19E-10
6602	436864	3762602	6.369E-10	2.17E-09	2.81E-09	9.90E-11	3.55E-10	4.54E-10	5.33E-11	1.65E-10	2.18E-10
6603	436867.6	3762593	6.334E-10	2.16E-09	2.79E-09	9.84E-11	3.53E-10	4.51E-10	5.30E-11	1.64E-10	2.17E-10
6604	436874.9	3762575	6.256E-10	2.13E-09	2.76E-09	9.72E-11	3.48E-10	4.46E-10	5.24E-11	1.62E-10	2.14E-10
6605	436878.6	3762566	6.211E-10	2.12E-09	2.74E-09	9.65E-11	3.46E-10	4.43E-10	5.20E-11	1.60E-10	2.12E-10
6606	436882.2	3762557	6.163E-10	2.10E-09	2.72E-09	9.58E-11	3.43E-10	4.39E-10	5.16E-11	1.59E-10	2.11E-10
6607	436885.9	3762548	6.113E-10	2.08E-09	2.70E-09	9.50E-11	3.41E-10	4.35E-10	5.12E-11	1.58E-10	2.09E-10
6608	436893.2	3762531	6.006E-10	2.05E-09	2.65E-09	9.33E-11	3.35E-10	4.28E-10	5.03E-11	1.55E-10	2.05E-10
6609	436896.8	3762522	5.95E-10	2.03E-09	2.62E-09	9.25E-11	3.31E-10	4.24E-10	4.98E-11	1.54E-10	2.04E-10
6610	436900.5	3762513	5.894E-10	2.01E-09	2.60E-09	9.16E-11	3.28E-10	4.20E-10	4.93E-11	1.52E-10	2.02E-10
6611	436904.1	3762504	5.837E-10	1.99E-09	2.57E-09	9.07E-11	3.25E-10	4.16E-10	4.89E-11	1.51E-10	2.00E-10
6612	436911.4	3762486	5.721E-10	1.95E-09	2.52E-09	8.89E-11	3.19E-10	4.08E-10	4.79E-11	1.48E-10	1.96E-10
6613	436929.7	3762442	5.43E-10	1.85E-09	2.39E-09	8.44E-11	3.03E-10	3.87E-10	4.55E-11	1.40E-10	1.86E-10
6614	436933.3	3762433	5.377E-10	1.83E-09	2.37E-09	8.36E-11	3.00E-10	3.83E-10	4.50E-11	1.39E-10	1.84E-10
6615	436937	3762425	5.324E-10	1.82E-09	2.35E-09	8.27E-11	2.97E-10	3.79E-10	4.46E-11	1.38E-10	1.82E-10
6616	436940.6	3762416	5.269E-10	1.80E-09	2.32E-09	8.19E-11	2.94E-10	3.75E-10	4.41E-11	1.36E-10	1.80E-10
6617	436947.9	3762398	5.153E-10	1.76E-09	2.27E-09	8.01E-11	2.87E-10	3.67E-10	4.31E-11	1.33E-10	1.76E-10
6618	436951.6	3762389	5.094E-10	1.74E-09	2.25E-09	7.91E-11	2.84E-10	3.63E-10	4.26E-11	1.32E-10	1.74E-10
6619	436955.2	3762380	5.033E-10	1.72E-09	2.22E-09	7.82E-11	2.80E-10	3.59E-10	4.21E-11	1.30E-10	1.72E-10
6620	436958.9	3762371	4.971E-10	1.70E-09	2.19E-09	7.72E-11	2.77E-10	3.54E-10	4.16E-11	1.28E-10	1.70E-10
6621	436966.2	3762354	4.844E-10	1.65E-09	2.14E-09	7.53E-11	2.70E-10	3.45E-10	4.05E-11	1.25E-10	1.66E-10
6622	436969.8	3762345	4.778E-10	1.63E-09	2.11E-09	7.42E-11	2.66E-10	3.40E-10	4.00E-11	1.23E-10	1.63E-10
6623	436977.1	3762327	4.644E-10	1.58E-09	2.05E-09	7.22E-11	2.59E-10	3.31E-10	3.89E-11	1.20E-10	1.59E-10
6624	436989.6	3762315	4.606E-10	1.57E-09	2.03E-09	7.16E-11	2.57E-10	3.28E-10	3.85E-11	1.19E-10	1.58E-10
6625	437024.9	3762300	4.701E-10	1.60E-09	2.07E-09	7.30E-11	2.62E-10	3.35E-10	3.93E-11	1.21E-10	1.61E-10
6626	437033.7	3762296	4.719E-10	1.61E-09	2.08E-09	7.33E-11	2.63E-10	3.36E-10	3.95E-11	1.22E-10	1.61E-10
6627	437042.6	3762292	4.736E-10	1.61E-09	2.09E-09	7.36E-11	2.64E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
6628	437051.4	3762289	4.752E-10	1.62E-09	2.10E-09	7.38E-11	2.65E-10	3.39E-10	3.98E-11	1.23E-10	1.63E-10
6629	437060.2	3762285	4.764E-10	1.62E-09	2.10E-09	7.40E-11	2.65E-10	3.39E-10	3.99E-11	1.23E-10	1.63E-10
6630	437069.1	3762281	4.773E-10	1.63E-09	2.11E-09	7.42E-11	2.66E-10	3.40E-10	4.00E-11	1.23E-10	1.63E-10
6631	437077.9	3762278	4.781E-10	1.63E-09	2.11E-09	7.43E-11	2.66E-10	3.41E-10	4.00E-11	1.24E-10	1.64E-10
6632	437086.7	3762274	4.786E-10	1.63E-09	2.11E-09	7.44E-11	2.67E-10	3.41E-10	4.01E-11	1.24E-10	1.64E-10
6633	437095.5	3762270	4.79E-10	1.63E-09	2.11E-09	7.44E-11	2.67E-10	3.41E-10	4.01E-11	1.24E-10	1.64E-10
6634	437104.4	3762266	4.788E-10	1.63E-09	2.11E-09	7.44E-11	2.67E-10	3.41E-10	4.01E-11	1.24E-10	1.64E-10
6635	437113.2	3762263	4.783E-10	1.63E-09	2.11E-09	7.43E-11	2.66E-10	3.41E-10	4.00E-11	1.24E-10	1.64E-10
6636	437122	3762259	4.774E-10	1.63E-09	2.11E-09	7.42E-11	2.66E-10	3.40E-10	4.00E-11	1.23E-10	1.63E-10
6637	437130.9	3762255	4.764E-10	1.62E-09	2.10E-09	7.40E-11	2.65E-10	3.39E-10	3.99E-11	1.23E-10	1.63E-10
6638	437139.7	3762252	4.752E-10	1.62E-09	2.10E-09	7.38E-11	2.65E-10	3.39E-10	3.98E-11	1.23E-10	1.63E-10
6639	437148.5	3762248	4.736E-10	1.61E-09	2.09E-09	7.36E-11	2.64E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
6640	437157.3	3762244	4.718E-10	1.61E-09	2.08E-09	7.33E-11	2.63E-10	3.36E-10	3.95E-11	1.22E-10	1.61E-10
6641	437166.2	3762240	4.697E-10	1.60E-09	2.07E-09	7.30E-11	2.62E-10	3.35E-10	3.93E-11	1.21E-10	1.61E-10
6642	437175	3762237	4.671E-10	1.59E-09	2.06E-09	7.26E-11	2.60E-10	3.33E-10	3.91E-11	1.21E-10	1.60E-10
6643	437183.8	3762233	4.645E-10	1.58E-09	2.05E-09	7.22E-11	2.59E-10	3.31E-10	3.89E-11	1.20E-10	1.59E-10
6644	437192.7	3762229	4.615E-10	1.57E-09	2.04E-09	7.17E-11	2.57E-10	3.29E-10	3.86E-11	1.19E-10	1.58E-10
6645	437201.5	3762226	4.584E-10	1.56E-09	2.02E-09	7.12E-11	2.55E-10	3.27E-10	3.84E-11	1.18E-10	1.57E-10

6646	437210.3	3762222	4.552E-10	1.55E-09	2.01E-09	7.07E-11	2.54E-10	3.24E-10	3.81E-11	1.18E-10	1.56E-10
6647	437219.1	3762218	4.518E-10	1.54E-09	1.99E-09	7.02E-11	2.52E-10	3.22E-10	3.78E-11	1.17E-10	1.55E-10
6648	437228	3762215	4.484E-10	1.53E-09	1.98E-09	6.97E-11	2.50E-10	3.19E-10	3.75E-11	1.16E-10	1.53E-10
6649	437236.8	3762211	4.45E-10	1.52E-09	1.96E-09	6.91E-11	2.48E-10	3.17E-10	3.73E-11	1.15E-10	1.52E-10
6650	437245.6	3762207	4.416E-10	1.51E-09	1.95E-09	6.86E-11	2.46E-10	3.15E-10	3.70E-11	1.14E-10	1.51E-10
6651	437254.5	3762203	4.381E-10	1.49E-09	1.93E-09	6.81E-11	2.44E-10	3.12E-10	3.67E-11	1.13E-10	1.50E-10
6652	437263.3	3762200	4.346E-10	1.48E-09	1.92E-09	6.75E-11	2.42E-10	3.10E-10	3.64E-11	1.12E-10	1.49E-10
6653	437272.1	3762196	4.312E-10	1.47E-09	1.90E-09	6.70E-11	2.40E-10	3.07E-10	3.61E-11	1.11E-10	1.47E-10
6654	437280.9	3762192	4.278E-10	1.46E-09	1.89E-09	6.65E-11	2.38E-10	3.05E-10	3.58E-11	1.11E-10	1.46E-10
6655	437289.8	3762189	4.244E-10	1.45E-09	1.87E-09	6.59E-11	2.36E-10	3.02E-10	3.55E-11	1.10E-10	1.45E-10
6656	437298.6	3762185	4.211E-10	1.44E-09	1.86E-09	6.54E-11	2.35E-10	3.00E-10	3.52E-11	1.09E-10	1.44E-10
6657	437307.4	3762181	4.178E-10	1.42E-09	1.84E-09	6.49E-11	2.33E-10	2.98E-10	3.50E-11	1.08E-10	1.43E-10
6658	437316.3	3762177	4.146E-10	1.41E-09	1.83E-09	6.44E-11	2.31E-10	2.95E-10	3.47E-11	1.07E-10	1.42E-10
6659	437325.1	3762174	4.115E-10	1.40E-09	1.81E-09	6.39E-11	2.29E-10	2.93E-10	3.44E-11	1.06E-10	1.41E-10
6660	437333.9	3762170	4.085E-10	1.39E-09	1.80E-09	6.35E-11	2.28E-10	2.91E-10	3.42E-11	1.06E-10	1.40E-10
6661	437342.7	3762166	4.056E-10	1.38E-09	1.79E-09	6.30E-11	2.26E-10	2.89E-10	3.39E-11	1.05E-10	1.39E-10
6662	437351.6	3762163	4.029E-10	1.37E-09	1.78E-09	6.26E-11	2.24E-10	2.87E-10	3.37E-11	1.04E-10	1.38E-10
6663	436823.8	3762709	6.568E-10	2.24E-09	2.90E-09	1.02E-10	3.66E-10	4.68E-10	5.50E-11	1.70E-10	2.25E-10
6664	436823.8	3762718	6.614E-10	2.26E-09	2.92E-09	1.03E-10	3.68E-10	4.71E-10	5.54E-11	1.71E-10	2.26E-10
6665	436823.8	3762728	6.655E-10	2.27E-09	2.93E-09	1.03E-10	3.71E-10	4.74E-10	5.57E-11	1.72E-10	2.28E-10
6666	436823.8	3762738	6.691E-10	2.28E-09	2.95E-09	1.04E-10	3.73E-10	4.77E-10	5.60E-11	1.73E-10	2.29E-10
6667	436823.8	3762747	6.718E-10	2.29E-09	2.96E-09	1.04E-10	3.74E-10	4.79E-10	5.62E-11	1.74E-10	2.30E-10
6668	436823.8	3762757	6.737E-10	2.30E-09	2.97E-09	1.05E-10	3.75E-10	4.80E-10	5.64E-11	1.74E-10	2.30E-10
6669	436823.8	3762767	6.747E-10	2.30E-09	2.98E-09	1.05E-10	3.76E-10	4.81E-10	5.65E-11	1.74E-10	2.31E-10
6670	436823.8	3762776	6.751E-10	2.30E-09	2.98E-09	1.05E-10	3.76E-10	4.81E-10	5.65E-11	1.74E-10	2.31E-10
6671	436823.8	3762786	6.747E-10	2.30E-09	2.98E-09	1.05E-10	3.76E-10	4.81E-10	5.65E-11	1.74E-10	2.31E-10
6672	436823.8	3762796	6.736E-10	2.30E-09	2.97E-09	1.05E-10	3.75E-10	4.80E-10	5.64E-11	1.74E-10	2.30E-10
6673	436823.8	3762806	6.719E-10	2.29E-09	2.96E-09	1.04E-10	3.74E-10	4.79E-10	5.62E-11	1.74E-10	2.30E-10
6674	436823.8	3762815	6.696E-10	2.28E-09	2.95E-09	1.04E-10	3.73E-10	4.77E-10	5.61E-11	1.73E-10	2.29E-10
6675	436823.8	3762825	6.667E-10	2.27E-09	2.94E-09	1.04E-10	3.71E-10	4.75E-10	5.58E-11	1.72E-10	2.28E-10
6676	436823.8	3762835	6.633E-10	2.26E-09	2.92E-09	1.03E-10	3.69E-10	4.73E-10	5.55E-11	1.71E-10	2.27E-10
6677	436823.8	3762844	6.594E-10	2.25E-09	2.91E-09	1.02E-10	3.67E-10	4.70E-10	5.52E-11	1.70E-10	2.26E-10
6678	436804.9	3762672	6.001E-10	2.05E-09	2.65E-09	9.32E-11	3.34E-10	4.28E-10	5.02E-11	1.55E-10	2.05E-10
6679	436808.5	3762663	6.004E-10	2.05E-09	2.65E-09	9.33E-11	3.34E-10	4.28E-10	5.03E-11	1.55E-10	2.05E-10
6680	436812.2	3762654	6E-10	2.05E-09	2.65E-09	9.32E-11	3.34E-10	4.27E-10	5.02E-11	1.55E-10	2.05E-10
6681	436815.9	3762645	5.991E-10	2.04E-09	2.64E-09	9.31E-11	3.34E-10	4.27E-10	5.01E-11	1.55E-10	2.05E-10
6682	436819.6	3762636	5.977E-10	2.04E-09	2.64E-09	9.29E-11	3.33E-10	4.26E-10	5.00E-11	1.54E-10	2.04E-10
6683	436826.9	3762619	5.93E-10	2.02E-09	2.61E-09	9.21E-11	3.30E-10	4.22E-10	4.96E-11	1.53E-10	2.03E-10
6684	436830.6	3762610	5.897E-10	2.01E-09	2.60E-09	9.16E-11	3.28E-10	4.20E-10	4.94E-11	1.52E-10	2.02E-10
6685	436834.3	3762601	5.86E-10	2.00E-09	2.58E-09	9.11E-11	3.26E-10	4.18E-10	4.91E-11	1.51E-10	2.00E-10
6686	436838	3762592	5.825E-10	1.99E-09	2.57E-09	9.05E-11	3.24E-10	4.15E-10	4.88E-11	1.51E-10	1.99E-10
6687	436845.4	3762574	5.751E-10	1.96E-09	2.54E-09	8.94E-11	3.20E-10	4.10E-10	4.81E-11	1.49E-10	1.97E-10
6688	436849	3762565	5.711E-10	1.95E-09	2.52E-09	8.87E-11	3.18E-10	4.07E-10	4.78E-11	1.48E-10	1.95E-10
6689	436852.7	3762556	5.671E-10	1.93E-09	2.50E-09	8.81E-11	3.16E-10	4.04E-10	4.75E-11	1.47E-10	1.94E-10
6690	436856.4	3762547	5.628E-10	1.92E-09	2.48E-09	8.74E-11	3.14E-10	4.01E-10	4.71E-11	1.45E-10	1.93E-10
6691	436860.1	3762538	5.584E-10	1.90E-09	2.46E-09	8.68E-11	3.11E-10	3.98E-10	4.67E-11	1.44E-10	1.91E-10
6692	436863.8	3762529	5.538E-10	1.89E-09	2.44E-09	8.61E-11	3.08E-10	3.95E-10	4.64E-11	1.43E-10	1.89E-10
6693	436867.4	3762520	5.491E-10	1.87E-09	2.42E-09	8.53E-11	3.06E-10	3.91E-10	4.60E-11	1.42E-10	1.88E-10
6694	436874.8	3762502	5.394E-10	1.84E-09	2.38E-09	8.38E-11	3.00E-10	3.84E-10	4.52E-11	1.39E-10	1.85E-10
6695	436878.5	3762494	5.345E-10	1.82E-09	2.36E-09	8.30E-11	2.98E-10	3.81E-10	4.47E-11	1.38E-10	1.83E-10
6696	436882.2	3762485	5.295E-10	1.81E-09	2.34E-09	8.23E-11	2.95E-10	3.77E-10	4.43E-11	1.37E-10	1.81E-10
6697	436900.6	3762440	5.041E-10	1.72E-09	2.22E-09	7.83E-11	2.81E-10	3.59E-10	4.22E-11	1.30E-10	1.72E-10
6698	436904.3	3762431	4.991E-10	1.70E-09	2.20E-09	7.76E-11	2.78E-10	3.56E-10	4.18E-11	1.29E-10	1.71E-10
6699	436911.6	3762413	4.893E-10	1.67E-09	2.16E-09	7.60E-11	2.73E-10	3.49E-10	4.10E-11	1.26E-10	1.67E-10
6700	436915.3	3762404	4.844E-10	1.65E-09	2.14E-09	7.53E-11	2.70E-10	3.45E-10	4.05E-11	1.25E-10	1.66E-10
6701	436919	3762395	4.795E-10	1.64E-09	2.11E-09	7.45E-11	2.67E-10	3.42E-10	4.01E-11	1.24E-10	1.64E-10
6702	436922.7	3762386	4.746E-10	1.62E-09	2.09E-09	7.37E-11	2.64E-10	3.38E-10	3.97E-11	1.23E-10	1.62E-10
6703	436930	3762369	4.642E-10	1.58E-09	2.05E-09	7.21E-11	2.59E-10	3.31E-10	3.89E-11	1.20E-10	1.59E-10
6704	436933.7	3762360	4.586E-10	1.56E-09	2.02E-09	7.13E-11	2.55E-10	3.27E-10	3.84E-11	1.18E-10	1.57E-10
6705	436941.1	3762342	4.477E-10	1.53E-09	1.97E-09	6.96E-11	2.49E-10	3.19E-10	3.75E-11	1.16E-10	1.53E-10
6706	436944.8	3762333	4.421E-10	1.51E-09	1.95E-09	6.87E-11	2.46E-10	3.15E-10	3.70E-11	1.14E-10	1.51E-10

6707	436948.4	3762324	4.363E-10	1.49E-09	1.92E-09	6.78E-11	2.43E-10	3.11E-10	3.65E-11	1.13E-10	1.49E-10
6708	436952.1	3762315	4.303E-10	1.47E-09	1.90E-09	6.69E-11	2.40E-10	3.07E-10	3.60E-11	1.11E-10	1.47E-10
6709	436968.4	3762293	4.214E-10	1.44E-09	1.86E-09	6.55E-11	2.35E-10	3.00E-10	3.53E-11	1.09E-10	1.44E-10
6710	436995.1	3762282	4.29E-10	1.46E-09	1.89E-09	6.67E-11	2.39E-10	3.06E-10	3.59E-11	1.11E-10	1.47E-10
6711	437004	3762278	4.311E-10	1.47E-09	1.90E-09	6.70E-11	2.40E-10	3.07E-10	3.61E-11	1.11E-10	1.47E-10
6712	437012.9	3762275	4.33E-10	1.48E-09	1.91E-09	6.73E-11	2.41E-10	3.08E-10	3.62E-11	1.12E-10	1.48E-10
6713	437021.8	3762271	4.346E-10	1.48E-09	1.92E-09	6.75E-11	2.42E-10	3.10E-10	3.64E-11	1.12E-10	1.49E-10
6714	437030.7	3762267	4.359E-10	1.49E-09	1.92E-09	6.77E-11	2.43E-10	3.11E-10	3.65E-11	1.13E-10	1.49E-10
6715	437039.6	3762263	4.37E-10	1.49E-09	1.93E-09	6.79E-11	2.43E-10	3.11E-10	3.66E-11	1.13E-10	1.50E-10
6716	437048.5	3762260	4.379E-10	1.49E-09	1.93E-09	6.80E-11	2.44E-10	3.12E-10	3.67E-11	1.13E-10	1.50E-10
6717	437057.4	3762256	4.385E-10	1.50E-09	1.93E-09	6.81E-11	2.44E-10	3.12E-10	3.67E-11	1.13E-10	1.50E-10
6718	437066.3	3762252	4.388E-10	1.50E-09	1.94E-09	6.82E-11	2.44E-10	3.13E-10	3.67E-11	1.13E-10	1.50E-10
6719	437075.3	3762249	4.39E-10	1.50E-09	1.94E-09	6.82E-11	2.45E-10	3.13E-10	3.67E-11	1.13E-10	1.50E-10
6720	437084.2	3762245	4.389E-10	1.50E-09	1.94E-09	6.82E-11	2.45E-10	3.13E-10	3.67E-11	1.13E-10	1.50E-10
6721	437093.1	3762241	4.387E-10	1.50E-09	1.93E-09	6.82E-11	2.44E-10	3.13E-10	3.67E-11	1.13E-10	1.50E-10
6722	437102	3762237	4.38E-10	1.49E-09	1.93E-09	6.81E-11	2.44E-10	3.12E-10	3.67E-11	1.13E-10	1.50E-10
6723	437110.9	3762234	4.372E-10	1.49E-09	1.93E-09	6.79E-11	2.44E-10	3.11E-10	3.66E-11	1.13E-10	1.50E-10
6724	437119.8	3762230	4.36E-10	1.49E-09	1.92E-09	6.78E-11	2.43E-10	3.11E-10	3.65E-11	1.13E-10	1.49E-10
6725	437128.7	3762226	4.347E-10	1.48E-09	1.92E-09	6.75E-11	2.42E-10	3.10E-10	3.64E-11	1.12E-10	1.49E-10
6726	437137.6	3762222	4.331E-10	1.48E-09	1.91E-09	6.73E-11	2.41E-10	3.09E-10	3.63E-11	1.12E-10	1.48E-10
6727	437146.5	3762219	4.313E-10	1.47E-09	1.90E-09	6.70E-11	2.40E-10	3.07E-10	3.61E-11	1.11E-10	1.48E-10
6728	437155.4	3762215	4.292E-10	1.46E-09	1.89E-09	6.67E-11	2.39E-10	3.06E-10	3.59E-11	1.11E-10	1.47E-10
6729	437164.3	3762211	4.27E-10	1.46E-09	1.88E-09	6.63E-11	2.38E-10	3.04E-10	3.57E-11	1.10E-10	1.46E-10
6730	437173.2	3762207	4.245E-10	1.45E-09	1.87E-09	6.60E-11	2.36E-10	3.02E-10	3.55E-11	1.10E-10	1.45E-10
6731	437182.1	3762204	4.218E-10	1.44E-09	1.86E-09	6.55E-11	2.35E-10	3.01E-10	3.53E-11	1.09E-10	1.44E-10
6732	437191	3762200	4.19E-10	1.43E-09	1.85E-09	6.51E-11	2.33E-10	2.99E-10	3.51E-11	1.08E-10	1.43E-10
6733	437199.9	3762196	4.161E-10	1.42E-09	1.84E-09	6.47E-11	2.32E-10	2.96E-10	3.48E-11	1.08E-10	1.42E-10
6734	437208.8	3762192	4.132E-10	1.41E-09	1.82E-09	6.42E-11	2.30E-10	2.94E-10	3.46E-11	1.07E-10	1.41E-10
6735	437217.7	3762189	4.101E-10	1.40E-09	1.81E-09	6.37E-11	2.28E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10
6736	437226.6	3762185	4.07E-10	1.39E-09	1.79E-09	6.32E-11	2.27E-10	2.90E-10	3.41E-11	1.05E-10	1.39E-10
6737	437235.5	3762181	4.038E-10	1.38E-09	1.78E-09	6.27E-11	2.25E-10	2.88E-10	3.38E-11	1.04E-10	1.38E-10
6738	437244.5	3762178	4.005E-10	1.37E-09	1.77E-09	6.22E-11	2.23E-10	2.85E-10	3.35E-11	1.03E-10	1.37E-10
6739	437253.4	3762174	3.974E-10	1.36E-09	1.75E-09	6.18E-11	2.21E-10	2.83E-10	3.33E-11	1.03E-10	1.36E-10
6740	437262.3	3762170	3.944E-10	1.35E-09	1.74E-09	6.13E-11	2.20E-10	2.81E-10	3.30E-11	1.02E-10	1.35E-10
6741	437271.2	3762166	3.914E-10	1.33E-09	1.73E-09	6.08E-11	2.18E-10	2.79E-10	3.28E-11	1.01E-10	1.34E-10
6742	437280.1	3762163	3.884E-10	1.32E-09	1.71E-09	6.03E-11	2.16E-10	2.77E-10	3.25E-11	1.00E-10	1.33E-10
6743	437289	3762159	3.854E-10	1.31E-09	1.70E-09	5.99E-11	2.15E-10	2.75E-10	3.23E-11	9.96E-11	1.32E-10
6744	437297.9	3762155	3.824E-10	1.30E-09	1.69E-09	5.94E-11	2.13E-10	2.72E-10	3.20E-11	9.88E-11	1.31E-10
6745	437306.8	3762151	3.795E-10	1.29E-09	1.67E-09	5.90E-11	2.11E-10	2.70E-10	3.18E-11	9.81E-11	1.30E-10
6746	437315.7	3762148	3.767E-10	1.28E-09	1.66E-09	5.85E-11	2.10E-10	2.68E-10	3.15E-11	9.73E-11	1.29E-10
6747	437324.6	3762144	3.74E-10	1.28E-09	1.65E-09	5.81E-11	2.08E-10	2.66E-10	3.13E-11	9.67E-11	1.28E-10
6748	437333.5	3762140	3.715E-10	1.27E-09	1.64E-09	5.77E-11	2.07E-10	2.65E-10	3.11E-11	9.60E-11	1.27E-10
6749	437342.4	3762136	3.691E-10	1.26E-09	1.63E-09	5.73E-11	2.06E-10	2.63E-10	3.09E-11	9.54E-11	1.26E-10
6750	437351.3	3762133	3.667E-10	1.25E-09	1.62E-09	5.70E-11	2.04E-10	2.61E-10	3.07E-11	9.48E-11	1.25E-10
6751	436793.8	3762709	6.006E-10	2.05E-09	2.65E-09	9.33E-11	3.35E-10	4.28E-10	5.03E-11	1.55E-10	2.05E-10
6752	436793.8	3762718	6.042E-10	2.06E-09	2.66E-09	9.39E-11	3.37E-10	4.31E-10	5.06E-11	1.56E-10	2.07E-10
6753	436793.8	3762728	6.076E-10	2.07E-09	2.68E-09	9.44E-11	3.38E-10	4.33E-10	5.09E-11	1.57E-10	2.08E-10
6754	436793.8	3762738	6.103E-10	2.08E-09	2.69E-09	9.48E-11	3.40E-10	4.35E-10	5.11E-11	1.58E-10	2.09E-10
6755	436793.8	3762747	6.124E-10	2.09E-09	2.70E-09	9.52E-11	3.41E-10	4.36E-10	5.13E-11	1.58E-10	2.09E-10
6756	436793.8	3762757	6.137E-10	2.09E-09	2.71E-09	9.54E-11	3.42E-10	4.37E-10	5.14E-11	1.59E-10	2.10E-10
6757	436793.8	3762767	6.143E-10	2.09E-09	2.71E-09	9.55E-11	3.42E-10	4.38E-10	5.14E-11	1.59E-10	2.10E-10
6758	436793.8	3762776	6.144E-10	2.10E-09	2.71E-09	9.55E-11	3.42E-10	4.38E-10	5.14E-11	1.59E-10	2.10E-10
6759	436793.8	3762786	6.14E-10	2.09E-09	2.71E-09	9.54E-11	3.42E-10	4.37E-10	5.14E-11	1.59E-10	2.10E-10
6760	436793.8	3762796	6.129E-10	2.09E-09	2.70E-09	9.52E-11	3.41E-10	4.37E-10	5.13E-11	1.58E-10	2.10E-10
6761	436793.8	3762806	6.113E-10	2.08E-09	2.70E-09	9.50E-11	3.41E-10	4.36E-10	5.12E-11	1.58E-10	2.09E-10
6762	436793.8	3762815	6.093E-10	2.08E-09	2.69E-09	9.47E-11	3.39E-10	4.34E-10	5.10E-11	1.57E-10	2.08E-10
6763	436793.8	3762825	6.067E-10	2.07E-09	2.68E-09	9.43E-11	3.38E-10	4.32E-10	5.08E-11	1.57E-10	2.08E-10
6764	436793.8	3762835	6.038E-10	2.06E-09	2.66E-09	9.38E-11	3.36E-10	4.30E-10	5.05E-11	1.56E-10	2.07E-10
6765	436793.8	3762844	6.004E-10	2.05E-09	2.65E-09	9.33E-11	3.34E-10	4.28E-10	5.03E-11	1.55E-10	2.05E-10
6766	436793.8	3762854	5.967E-10	2.03E-09	2.63E-09	9.27E-11	3.32E-10	4.25E-10	4.99E-11	1.54E-10	2.04E-10
6767	436767.4	3762690	5.495E-10	1.87E-09	2.42E-09	8.54E-11	3.06E-10	3.92E-10	4.60E-11	1.42E-10	1.88E-10

6768	436771.1	3762681	5.509E-10	1.88E-09	2.43E-09	8.56E-11	3.07E-10	3.92E-10	4.61E-11	1.42E-10	1.88E-10
6769	436774.7	3762672	5.517E-10	1.88E-09	2.43E-09	8.57E-11	3.07E-10	3.93E-10	4.62E-11	1.43E-10	1.89E-10
6770	436778.3	3762664	5.522E-10	1.88E-09	2.44E-09	8.58E-11	3.08E-10	3.93E-10	4.62E-11	1.43E-10	1.89E-10
6771	436782	3762655	5.522E-10	1.88E-09	2.44E-09	8.58E-11	3.08E-10	3.93E-10	4.62E-11	1.43E-10	1.89E-10
6772	436785.6	3762646	5.517E-10	1.88E-09	2.43E-09	8.57E-11	3.07E-10	3.93E-10	4.62E-11	1.43E-10	1.89E-10
6773	436789.2	3762637	5.508E-10	1.88E-09	2.43E-09	8.56E-11	3.07E-10	3.92E-10	4.61E-11	1.42E-10	1.88E-10
6774	436792.9	3762628	5.495E-10	1.87E-09	2.42E-09	8.54E-11	3.06E-10	3.91E-10	4.60E-11	1.42E-10	1.88E-10
6775	436796.5	3762620	5.477E-10	1.87E-09	2.42E-09	8.51E-11	3.05E-10	3.90E-10	4.58E-11	1.42E-10	1.87E-10
6776	436800.1	3762611	5.455E-10	1.86E-09	2.41E-09	8.48E-11	3.04E-10	3.89E-10	4.57E-11	1.41E-10	1.87E-10
6777	436803.8	3762602	5.429E-10	1.85E-09	2.39E-09	8.44E-11	3.02E-10	3.87E-10	4.54E-11	1.40E-10	1.86E-10
6778	436807.4	3762593	5.398E-10	1.84E-09	2.38E-09	8.39E-11	3.01E-10	3.85E-10	4.52E-11	1.39E-10	1.85E-10
6779	436811	3762584	5.363E-10	1.83E-09	2.36E-09	8.33E-11	2.99E-10	3.82E-10	4.49E-11	1.39E-10	1.83E-10
6780	436814.7	3762576	5.327E-10	1.82E-09	2.35E-09	8.28E-11	2.97E-10	3.80E-10	4.46E-11	1.38E-10	1.82E-10
6781	436818.3	3762567	5.29E-10	1.80E-09	2.33E-09	8.22E-11	2.95E-10	3.77E-10	4.43E-11	1.37E-10	1.81E-10
6782	436821.9	3762558	5.253E-10	1.79E-09	2.32E-09	8.16E-11	2.93E-10	3.74E-10	4.40E-11	1.36E-10	1.80E-10
6783	436825.6	3762549	5.216E-10	1.78E-09	2.30E-09	8.10E-11	2.91E-10	3.72E-10	4.37E-11	1.35E-10	1.78E-10
6784	436829.2	3762540	5.177E-10	1.77E-09	2.28E-09	8.04E-11	2.88E-10	3.69E-10	4.33E-11	1.34E-10	1.77E-10
6785	436832.8	3762532	5.14E-10	1.75E-09	2.27E-09	7.99E-11	2.86E-10	3.66E-10	4.30E-11	1.33E-10	1.76E-10
6786	436836.5	3762523	5.101E-10	1.74E-09	2.25E-09	7.93E-11	2.84E-10	3.63E-10	4.27E-11	1.32E-10	1.74E-10
6787	436840.1	3762514	5.061E-10	1.73E-09	2.23E-09	7.86E-11	2.82E-10	3.61E-10	4.24E-11	1.31E-10	1.73E-10
6788	436843.7	3762505	5.019E-10	1.71E-09	2.21E-09	7.80E-11	2.80E-10	3.58E-10	4.20E-11	1.30E-10	1.72E-10
6789	436847.4	3762496	4.977E-10	1.70E-09	2.19E-09	7.73E-11	2.77E-10	3.55E-10	4.17E-11	1.29E-10	1.70E-10
6790	436851	3762487	4.934E-10	1.68E-09	2.18E-09	7.67E-11	2.75E-10	3.52E-10	4.13E-11	1.28E-10	1.69E-10
6791	436854.6	3762479	4.892E-10	1.67E-09	2.16E-09	7.60E-11	2.73E-10	3.49E-10	4.09E-11	1.26E-10	1.67E-10
6792	436858.3	3762470	4.848E-10	1.65E-09	2.14E-09	7.53E-11	2.70E-10	3.45E-10	4.06E-11	1.25E-10	1.66E-10
6793	436872.8	3762435	4.671E-10	1.59E-09	2.06E-09	7.26E-11	2.60E-10	3.33E-10	3.91E-11	1.21E-10	1.60E-10
6794	436876.4	3762426	4.628E-10	1.58E-09	2.04E-09	7.19E-11	2.58E-10	3.30E-10	3.87E-11	1.20E-10	1.58E-10
6795	436880.1	3762417	4.584E-10	1.56E-09	2.02E-09	7.12E-11	2.55E-10	3.27E-10	3.84E-11	1.18E-10	1.57E-10
6796	436883.7	3762408	4.538E-10	1.55E-09	2.00E-09	7.05E-11	2.53E-10	3.23E-10	3.80E-11	1.17E-10	1.55E-10
6797	436887.3	3762399	4.494E-10	1.53E-09	1.98E-09	6.98E-11	2.50E-10	3.20E-10	3.76E-11	1.16E-10	1.54E-10
6798	436891	3762391	4.448E-10	1.52E-09	1.96E-09	6.91E-11	2.48E-10	3.17E-10	3.72E-11	1.15E-10	1.52E-10
6799	436894.6	3762382	4.408E-10	1.50E-09	1.94E-09	6.85E-11	2.46E-10	3.14E-10	3.69E-11	1.14E-10	1.51E-10
6800	436898.2	3762373	4.367E-10	1.49E-09	1.93E-09	6.79E-11	2.43E-10	3.11E-10	3.66E-11	1.13E-10	1.49E-10
6801	436901.9	3762364	4.31E-10	1.47E-09	1.90E-09	6.70E-11	2.40E-10	3.07E-10	3.61E-11	1.11E-10	1.47E-10
6802	436905.5	3762355	4.268E-10	1.46E-09	1.88E-09	6.63E-11	2.38E-10	3.04E-10	3.57E-11	1.10E-10	1.46E-10
6803	436909.1	3762346	4.224E-10	1.44E-09	1.86E-09	6.56E-11	2.35E-10	3.01E-10	3.54E-11	1.09E-10	1.45E-10
6804	436912.8	3762338	4.18E-10	1.43E-09	1.84E-09	6.50E-11	2.33E-10	2.98E-10	3.50E-11	1.08E-10	1.43E-10
6805	436916.4	3762329	4.136E-10	1.41E-09	1.82E-09	6.43E-11	2.30E-10	2.95E-10	3.46E-11	1.07E-10	1.41E-10
6806	436920	3762320	4.088E-10	1.39E-09	1.80E-09	6.35E-11	2.28E-10	2.91E-10	3.42E-11	1.06E-10	1.40E-10
6807	436923.7	3762311	4.039E-10	1.38E-09	1.78E-09	6.28E-11	2.25E-10	2.88E-10	3.38E-11	1.04E-10	1.38E-10
6808	436927.3	3762302	3.989E-10	1.36E-09	1.76E-09	6.20E-11	2.22E-10	2.84E-10	3.34E-11	1.03E-10	1.36E-10
6809	436930.9	3762294	3.94E-10	1.34E-09	1.74E-09	6.12E-11	2.19E-10	2.81E-10	3.30E-11	1.02E-10	1.35E-10
6810	436934.6	3762285	3.893E-10	1.33E-09	1.72E-09	6.05E-11	2.17E-10	2.77E-10	3.26E-11	1.01E-10	1.33E-10
6811	436947	3762272	3.872E-10	1.32E-09	1.71E-09	6.02E-11	2.16E-10	2.76E-10	3.24E-11	1.00E-10	1.32E-10
6812	436982.1	3762258	3.96E-10	1.35E-09	1.75E-09	6.15E-11	2.21E-10	2.82E-10	3.31E-11	1.02E-10	1.35E-10
6813	436990.9	3762254	3.978E-10	1.36E-09	1.75E-09	6.18E-11	2.22E-10	2.83E-10	3.33E-11	1.03E-10	1.36E-10
6814	436999.7	3762250	3.994E-10	1.36E-09	1.76E-09	6.21E-11	2.23E-10	2.85E-10	3.34E-11	1.03E-10	1.37E-10
6815	437008.5	3762246	4.008E-10	1.37E-09	1.77E-09	6.23E-11	2.23E-10	2.86E-10	3.35E-11	1.04E-10	1.37E-10
6816	437017.3	3762243	4.019E-10	1.37E-09	1.77E-09	6.24E-11	2.24E-10	2.86E-10	3.36E-11	1.04E-10	1.37E-10
6817	437026.1	3762239	4.028E-10	1.37E-09	1.78E-09	6.26E-11	2.24E-10	2.87E-10	3.37E-11	1.04E-10	1.38E-10
6818	437034.9	3762235	4.034E-10	1.38E-09	1.78E-09	6.27E-11	2.25E-10	2.87E-10	3.38E-11	1.04E-10	1.38E-10
6819	437043.7	3762232	4.039E-10	1.38E-09	1.78E-09	6.28E-11	2.25E-10	2.88E-10	3.38E-11	1.04E-10	1.38E-10
6820	437052.5	3762228	4.041E-10	1.38E-09	1.78E-09	6.28E-11	2.25E-10	2.88E-10	3.38E-11	1.04E-10	1.38E-10
6821	437061.2	3762224	4.04E-10	1.38E-09	1.78E-09	6.28E-11	2.25E-10	2.88E-10	3.38E-11	1.04E-10	1.38E-10
6822	437070	3762221	4.037E-10	1.38E-09	1.78E-09	6.27E-11	2.25E-10	2.88E-10	3.38E-11	1.04E-10	1.38E-10
6823	437078.8	3762217	4.034E-10	1.38E-09	1.78E-09	6.27E-11	2.25E-10	2.87E-10	3.38E-11	1.04E-10	1.38E-10
6824	437087.6	3762213	4.028E-10	1.37E-09	1.78E-09	6.26E-11	2.24E-10	2.87E-10	3.37E-11	1.04E-10	1.38E-10
6825	437096.4	3762210	4.02E-10	1.37E-09	1.77E-09	6.25E-11	2.24E-10	2.86E-10	3.37E-11	1.04E-10	1.38E-10
6826	437105.2	3762206	4.01E-10	1.37E-09	1.77E-09	6.23E-11	2.23E-10	2.86E-10	3.36E-11	1.04E-10	1.37E-10
6827	437114	3762202	3.997E-10	1.36E-09	1.76E-09	6.21E-11	2.23E-10	2.85E-10	3.35E-11	1.03E-10	1.37E-10
6828	437122.8	3762199	3.983E-10	1.36E-09	1.76E-09	6.19E-11	2.22E-10	2.84E-10	3.33E-11	1.03E-10	1.36E-10

6829	437131.5	3762195	3.966E-10	1.35E-09	1.75E-09	6.16E-11	2.21E-10	2.83E-10	3.32E-11	1.02E-10	1.36E-10
6830	437140.3	3762191	3.948E-10	1.35E-09	1.74E-09	6.13E-11	2.20E-10	2.81E-10	3.30E-11	1.02E-10	1.35E-10
6831	437149.1	3762187	3.928E-10	1.34E-09	1.73E-09	6.10E-11	2.19E-10	2.80E-10	3.29E-11	1.02E-10	1.34E-10
6832	437157.9	3762184	3.907E-10	1.33E-09	1.72E-09	6.07E-11	2.18E-10	2.78E-10	3.27E-11	1.01E-10	1.34E-10
6833	437166.7	3762180	3.884E-10	1.32E-09	1.71E-09	6.04E-11	2.16E-10	2.77E-10	3.25E-11	1.00E-10	1.33E-10
6834	437175.5	3762176	3.861E-10	1.32E-09	1.70E-09	6.00E-11	2.15E-10	2.75E-10	3.23E-11	9.98E-11	1.32E-10
6835	437184.3	3762173	3.836E-10	1.31E-09	1.69E-09	5.96E-11	2.14E-10	2.73E-10	3.21E-11	9.91E-11	1.31E-10
6836	437193.1	3762169	3.811E-10	1.30E-09	1.68E-09	5.92E-11	2.12E-10	2.71E-10	3.19E-11	9.85E-11	1.30E-10
6837	437201.8	3762165	3.784E-10	1.29E-09	1.67E-09	5.88E-11	2.11E-10	2.70E-10	3.17E-11	9.78E-11	1.29E-10
6838	437210.6	3762162	3.757E-10	1.28E-09	1.66E-09	5.84E-11	2.09E-10	2.68E-10	3.15E-11	9.71E-11	1.29E-10
6839	437219.4	3762158	3.73E-10	1.27E-09	1.64E-09	5.80E-11	2.08E-10	2.66E-10	3.12E-11	9.64E-11	1.28E-10
6840	437228.2	3762154	3.701E-10	1.26E-09	1.63E-09	5.75E-11	2.06E-10	2.64E-10	3.10E-11	9.56E-11	1.27E-10
6841	437237	3762151	3.674E-10	1.25E-09	1.62E-09	5.71E-11	2.05E-10	2.62E-10	3.08E-11	9.49E-11	1.26E-10
6842	437245.8	3762147	3.645E-10	1.24E-09	1.61E-09	5.66E-11	2.03E-10	2.60E-10	3.05E-11	9.42E-11	1.25E-10
6843	437254.6	3762143	3.618E-10	1.23E-09	1.60E-09	5.62E-11	2.02E-10	2.58E-10	3.03E-11	9.35E-11	1.24E-10
6844	437263.4	3762140	3.591E-10	1.22E-09	1.58E-09	5.58E-11	2.00E-10	2.56E-10	3.01E-11	9.28E-11	1.23E-10
6845	437272.1	3762136	3.565E-10	1.22E-09	1.57E-09	5.54E-11	1.99E-10	2.54E-10	2.98E-11	9.21E-11	1.22E-10
6846	437280.9	3762132	3.539E-10	1.21E-09	1.56E-09	5.50E-11	1.97E-10	2.52E-10	2.96E-11	9.14E-11	1.21E-10
6847	437289.7	3762128	3.512E-10	1.20E-09	1.55E-09	5.46E-11	1.96E-10	2.50E-10	2.94E-11	9.08E-11	1.20E-10
6848	437298.5	3762125	3.487E-10	1.19E-09	1.54E-09	5.42E-11	1.94E-10	2.48E-10	2.92E-11	9.01E-11	1.19E-10
6849	437307.3	3762121	3.463E-10	1.18E-09	1.53E-09	5.38E-11	1.93E-10	2.47E-10	2.90E-11	8.95E-11	1.18E-10
6850	437316.1	3762117	3.44E-10	1.17E-09	1.52E-09	5.35E-11	1.92E-10	2.45E-10	2.88E-11	8.89E-11	1.18E-10
6851	437324.9	3762114	3.418E-10	1.17E-09	1.51E-09	5.31E-11	1.90E-10	2.44E-10	2.86E-11	8.83E-11	1.17E-10
6852	437333.7	3762110	3.397E-10	1.16E-09	1.50E-09	5.28E-11	1.89E-10	2.42E-10	2.84E-11	8.78E-11	1.16E-10
6853	437342.5	3762106	3.376E-10	1.15E-09	1.49E-09	5.25E-11	1.88E-10	2.41E-10	2.83E-11	8.72E-11	1.16E-10
6854	437351.2	3762103	3.356E-10	1.14E-09	1.48E-09	5.22E-11	1.87E-10	2.39E-10	2.81E-11	8.67E-11	1.15E-10
6855	436763.8	3762699	5.477E-10	1.87E-09	2.42E-09	8.51E-11	3.05E-10	3.90E-10	4.58E-11	1.42E-10	1.87E-10
6856	436763.8	3762709	5.512E-10	1.88E-09	2.43E-09	8.56E-11	3.07E-10	3.93E-10	4.61E-11	1.42E-10	1.89E-10
6857	436763.8	3762718	5.542E-10	1.89E-09	2.44E-09	8.61E-11	3.09E-10	3.95E-10	4.64E-11	1.43E-10	1.90E-10
6858	436763.8	3762728	5.568E-10	1.90E-09	2.46E-09	8.65E-11	3.10E-10	3.97E-10	4.66E-11	1.44E-10	1.90E-10
6859	436763.8	3762738	5.59E-10	1.91E-09	2.47E-09	8.69E-11	3.11E-10	3.98E-10	4.68E-11	1.44E-10	1.91E-10
6860	436763.8	3762747	5.605E-10	1.91E-09	2.47E-09	8.71E-11	3.12E-10	3.99E-10	4.69E-11	1.45E-10	1.92E-10
6861	436763.8	3762757	5.615E-10	1.91E-09	2.48E-09	8.72E-11	3.13E-10	4.00E-10	4.70E-11	1.45E-10	1.92E-10
6862	436763.8	3762767	5.619E-10	1.92E-09	2.48E-09	8.73E-11	3.13E-10	4.00E-10	4.70E-11	1.45E-10	1.92E-10
6863	436763.8	3762776	5.619E-10	1.92E-09	2.48E-09	8.73E-11	3.13E-10	4.00E-10	4.70E-11	1.45E-10	1.92E-10
6864	436763.8	3762786	5.613E-10	1.91E-09	2.48E-09	8.72E-11	3.13E-10	4.00E-10	4.70E-11	1.45E-10	1.92E-10
6865	436763.8	3762796	5.604E-10	1.91E-09	2.47E-09	8.71E-11	3.12E-10	3.99E-10	4.69E-11	1.45E-10	1.92E-10
6866	436763.8	3762806	5.59E-10	1.91E-09	2.47E-09	8.69E-11	3.11E-10	3.98E-10	4.68E-11	1.44E-10	1.91E-10
6867	436763.8	3762815	5.571E-10	1.90E-09	2.46E-09	8.66E-11	3.10E-10	3.97E-10	4.66E-11	1.44E-10	1.91E-10
6868	436763.8	3762825	5.549E-10	1.89E-09	2.45E-09	8.62E-11	3.09E-10	3.95E-10	4.64E-11	1.43E-10	1.90E-10
6869	436763.8	3762835	5.523E-10	1.88E-09	2.44E-09	8.58E-11	3.08E-10	3.94E-10	4.62E-11	1.43E-10	1.89E-10
6870	436763.8	3762844	5.493E-10	1.87E-09	2.42E-09	8.54E-11	3.06E-10	3.91E-10	4.60E-11	1.42E-10	1.88E-10
6871	436763.8	3762854	5.461E-10	1.86E-09	2.41E-09	8.48E-11	3.04E-10	3.89E-10	4.57E-11	1.41E-10	1.87E-10
6872	436727.5	3762690	4.941E-10	1.68E-09	2.18E-09	7.68E-11	2.75E-10	3.52E-10	4.14E-11	1.28E-10	1.69E-10
6873	436731.1	3762681	4.954E-10	1.69E-09	2.18E-09	7.70E-11	2.76E-10	3.53E-10	4.15E-11	1.28E-10	1.69E-10
6874	436734.7	3762672	4.963E-10	1.69E-09	2.19E-09	7.71E-11	2.76E-10	3.54E-10	4.15E-11	1.28E-10	1.70E-10
6875	436738.4	3762664	4.969E-10	1.69E-09	2.19E-09	7.72E-11	2.77E-10	3.54E-10	4.16E-11	1.28E-10	1.70E-10
6876	436742	3762655	4.97E-10	1.69E-09	2.19E-09	7.72E-11	2.77E-10	3.54E-10	4.16E-11	1.28E-10	1.70E-10
6877	436745.7	3762646	4.968E-10	1.69E-09	2.19E-09	7.72E-11	2.77E-10	3.54E-10	4.16E-11	1.28E-10	1.70E-10
6878	436749.3	3762637	4.963E-10	1.69E-09	2.19E-09	7.71E-11	2.76E-10	3.54E-10	4.15E-11	1.28E-10	1.70E-10
6879	436753	3762628	4.953E-10	1.69E-09	2.18E-09	7.70E-11	2.76E-10	3.53E-10	4.15E-11	1.28E-10	1.69E-10
6880	436756.6	3762619	4.939E-10	1.68E-09	2.18E-09	7.67E-11	2.75E-10	3.52E-10	4.13E-11	1.28E-10	1.69E-10
6881	436760.3	3762610	4.923E-10	1.68E-09	2.17E-09	7.65E-11	2.74E-10	3.51E-10	4.12E-11	1.27E-10	1.68E-10
6882	436763.9	3762602	4.903E-10	1.67E-09	2.16E-09	7.62E-11	2.73E-10	3.49E-10	4.10E-11	1.27E-10	1.68E-10
6883	436767.6	3762593	4.881E-10	1.66E-09	2.15E-09	7.58E-11	2.72E-10	3.48E-10	4.09E-11	1.26E-10	1.67E-10
6884	436771.2	3762584	4.856E-10	1.66E-09	2.14E-09	7.55E-11	2.71E-10	3.46E-10	4.06E-11	1.25E-10	1.66E-10
6885	436774.9	3762575	4.829E-10	1.65E-09	2.13E-09	7.50E-11	2.69E-10	3.44E-10	4.04E-11	1.25E-10	1.65E-10
6886	436778.5	3762566	4.799E-10	1.64E-09	2.12E-09	7.46E-11	2.67E-10	3.42E-10	4.02E-11	1.24E-10	1.64E-10
6887	436782.2	3762557	4.767E-10	1.63E-09	2.10E-09	7.41E-11	2.66E-10	3.40E-10	3.99E-11	1.23E-10	1.63E-10
6888	436785.8	3762549	4.735E-10	1.61E-09	2.09E-09	7.36E-11	2.64E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
6889	436789.5	3762540	4.701E-10	1.60E-09	2.07E-09	7.30E-11	2.62E-10	3.35E-10	3.93E-11	1.21E-10	1.61E-10

6890	436793.1	3762531	4.666E-10	1.59E-09	2.06E-09	7.25E-11	2.60E-10	3.32E-10	3.91E-11	1.21E-10	1.60E-10
6891	436796.8	3762522	4.631E-10	1.58E-09	2.04E-09	7.20E-11	2.58E-10	3.30E-10	3.88E-11	1.20E-10	1.58E-10
6892	436800.4	3762513	4.597E-10	1.57E-09	2.03E-09	7.14E-11	2.56E-10	3.28E-10	3.85E-11	1.19E-10	1.57E-10
6893	436804.1	3762504	4.56E-10	1.56E-09	2.01E-09	7.09E-11	2.54E-10	3.25E-10	3.82E-11	1.18E-10	1.56E-10
6894	436807.7	3762495	4.523E-10	1.54E-09	1.99E-09	7.03E-11	2.52E-10	3.22E-10	3.79E-11	1.17E-10	1.55E-10
6895	436811.3	3762487	4.486E-10	1.53E-09	1.98E-09	6.97E-11	2.50E-10	3.20E-10	3.75E-11	1.16E-10	1.53E-10
6896	436815	3762478	4.449E-10	1.52E-09	1.96E-09	6.91E-11	2.48E-10	3.17E-10	3.72E-11	1.15E-10	1.52E-10
6897	436818.6	3762469	4.414E-10	1.51E-09	1.95E-09	6.86E-11	2.46E-10	3.14E-10	3.69E-11	1.14E-10	1.51E-10
6898	436822.3	3762460	4.377E-10	1.49E-09	1.93E-09	6.80E-11	2.44E-10	3.12E-10	3.66E-11	1.13E-10	1.50E-10
6899	436840.5	3762416	4.19E-10	1.43E-09	1.85E-09	6.51E-11	2.33E-10	2.99E-10	3.51E-11	1.08E-10	1.43E-10
6900	436844.2	3762407	4.151E-10	1.42E-09	1.83E-09	6.45E-11	2.31E-10	2.96E-10	3.47E-11	1.07E-10	1.42E-10
6901	436847.8	3762398	4.111E-10	1.40E-09	1.81E-09	6.39E-11	2.29E-10	2.93E-10	3.44E-11	1.06E-10	1.41E-10
6902	436851.5	3762389	4.071E-10	1.39E-09	1.80E-09	6.33E-11	2.27E-10	2.90E-10	3.41E-11	1.05E-10	1.39E-10
6903	436855.1	3762380	4.034E-10	1.38E-09	1.78E-09	6.27E-11	2.25E-10	2.87E-10	3.38E-11	1.04E-10	1.38E-10
6904	436858.8	3762372	3.998E-10	1.36E-09	1.76E-09	6.21E-11	2.23E-10	2.85E-10	3.35E-11	1.03E-10	1.37E-10
6905	436862.4	3762363	3.942E-10	1.34E-09	1.74E-09	6.13E-11	2.20E-10	2.81E-10	3.30E-11	1.02E-10	1.35E-10
6906	436866.1	3762354	3.908E-10	1.33E-09	1.72E-09	6.07E-11	2.18E-10	2.78E-10	3.27E-11	1.01E-10	1.34E-10
6907	436869.7	3762345	3.872E-10	1.32E-09	1.71E-09	6.02E-11	2.16E-10	2.76E-10	3.24E-11	1.00E-10	1.32E-10
6908	436873.4	3762336	3.835E-10	1.31E-09	1.69E-09	5.96E-11	2.14E-10	2.73E-10	3.21E-11	9.91E-11	1.31E-10
6909	436877	3762327	3.799E-10	1.30E-09	1.68E-09	5.90E-11	2.12E-10	2.71E-10	3.18E-11	9.82E-11	1.30E-10
6910	436880.7	3762319	3.764E-10	1.28E-09	1.66E-09	5.85E-11	2.10E-10	2.68E-10	3.15E-11	9.73E-11	1.29E-10
6911	436884.3	3762310	3.728E-10	1.27E-09	1.64E-09	5.79E-11	2.08E-10	2.66E-10	3.12E-11	9.63E-11	1.28E-10
6912	436887.9	3762301	3.692E-10	1.26E-09	1.63E-09	5.74E-11	2.06E-10	2.63E-10	3.09E-11	9.54E-11	1.26E-10
6913	436891.6	3762292	3.655E-10	1.25E-09	1.61E-09	5.68E-11	2.04E-10	2.60E-10	3.06E-11	9.44E-11	1.25E-10
6914	436895.2	3762283	3.617E-10	1.23E-09	1.60E-09	5.62E-11	2.01E-10	2.58E-10	3.03E-11	9.35E-11	1.24E-10
6915	436898.9	3762274	3.579E-10	1.22E-09	1.58E-09	5.56E-11	1.99E-10	2.55E-10	3.00E-11	9.25E-11	1.22E-10
6916	436902.5	3762265	3.54E-10	1.21E-09	1.56E-09	5.50E-11	1.97E-10	2.52E-10	2.96E-11	9.15E-11	1.21E-10
6917	436906.2	3762257	3.5E-10	1.19E-09	1.54E-09	5.44E-11	1.95E-10	2.49E-10	2.93E-11	9.04E-11	1.20E-10
6918	436918.7	3762244	3.483E-10	1.19E-09	1.54E-09	5.41E-11	1.94E-10	2.48E-10	2.92E-11	9.00E-11	1.19E-10
6919	436953.9	3762229	3.557E-10	1.21E-09	1.57E-09	5.53E-11	1.98E-10	2.53E-10	2.98E-11	9.19E-11	1.22E-10
6920	436962.8	3762226	3.572E-10	1.22E-09	1.58E-09	5.55E-11	1.99E-10	2.54E-10	2.99E-11	9.23E-11	1.22E-10
6921	436971.6	3762222	3.585E-10	1.22E-09	1.58E-09	5.57E-11	2.00E-10	2.55E-10	3.00E-11	9.26E-11	1.23E-10
6922	436980.4	3762218	3.597E-10	1.23E-09	1.59E-09	5.59E-11	2.00E-10	2.56E-10	3.01E-11	9.29E-11	1.23E-10
6923	436989.2	3762214	3.608E-10	1.23E-09	1.59E-09	5.61E-11	2.01E-10	2.57E-10	3.02E-11	9.32E-11	1.23E-10
6924	436998.1	3762211	3.618E-10	1.23E-09	1.60E-09	5.62E-11	2.02E-10	2.58E-10	3.03E-11	9.35E-11	1.24E-10
6925	437006.9	3762207	3.626E-10	1.24E-09	1.60E-09	5.63E-11	2.02E-10	2.58E-10	3.03E-11	9.37E-11	1.24E-10
6926	437015.7	3762203	3.631E-10	1.24E-09	1.60E-09	5.64E-11	2.02E-10	2.59E-10	3.04E-11	9.38E-11	1.24E-10
6927	437024.5	3762200	3.634E-10	1.24E-09	1.60E-09	5.65E-11	2.02E-10	2.59E-10	3.04E-11	9.39E-11	1.24E-10
6928	437033.3	3762196	3.636E-10	1.24E-09	1.60E-09	5.65E-11	2.03E-10	2.59E-10	3.04E-11	9.39E-11	1.24E-10
6929	437042.2	3762192	3.636E-10	1.24E-09	1.60E-09	5.65E-11	2.03E-10	2.59E-10	3.04E-11	9.39E-11	1.24E-10
6930	437051	3762189	3.633E-10	1.24E-09	1.60E-09	5.64E-11	2.02E-10	2.59E-10	3.04E-11	9.39E-11	1.24E-10
6931	437059.8	3762185	3.628E-10	1.24E-09	1.60E-09	5.64E-11	2.02E-10	2.58E-10	3.04E-11	9.37E-11	1.24E-10
6932	437068.6	3762181	3.621E-10	1.23E-09	1.60E-09	5.63E-11	2.02E-10	2.58E-10	3.03E-11	9.36E-11	1.24E-10
6933	437077.5	3762177	3.614E-10	1.23E-09	1.59E-09	5.61E-11	2.01E-10	2.57E-10	3.02E-11	9.34E-11	1.24E-10
6934	437086.3	3762174	3.604E-10	1.23E-09	1.59E-09	5.60E-11	2.01E-10	2.57E-10	3.02E-11	9.31E-11	1.23E-10
6935	437095.1	3762170	3.593E-10	1.23E-09	1.58E-09	5.58E-11	2.00E-10	2.56E-10	3.01E-11	9.28E-11	1.23E-10
6936	437103.9	3762166	3.581E-10	1.22E-09	1.58E-09	5.56E-11	1.99E-10	2.55E-10	3.00E-11	9.25E-11	1.23E-10
6937	437112.7	3762163	3.567E-10	1.22E-09	1.57E-09	5.54E-11	1.99E-10	2.54E-10	2.99E-11	9.22E-11	1.22E-10
6938	437121.6	3762159	3.551E-10	1.21E-09	1.57E-09	5.52E-11	1.98E-10	2.53E-10	2.97E-11	9.18E-11	1.21E-10
6939	437130.4	3762155	3.534E-10	1.21E-09	1.56E-09	5.49E-11	1.97E-10	2.52E-10	2.96E-11	9.13E-11	1.21E-10
6940	437139.2	3762152	3.516E-10	1.20E-09	1.55E-09	5.46E-11	1.96E-10	2.50E-10	2.94E-11	9.08E-11	1.20E-10
6941	437148	3762148	3.497E-10	1.19E-09	1.54E-09	5.43E-11	1.95E-10	2.49E-10	2.93E-11	9.03E-11	1.20E-10
6942	437156.9	3762144	3.476E-10	1.19E-09	1.53E-09	5.40E-11	1.94E-10	2.48E-10	2.91E-11	8.98E-11	1.19E-10
6943	437165.7	3762140	3.456E-10	1.18E-09	1.52E-09	5.37E-11	1.92E-10	2.46E-10	2.89E-11	8.93E-11	1.18E-10
6944	437174.5	3762137	3.434E-10	1.17E-09	1.51E-09	5.34E-11	1.91E-10	2.45E-10	2.87E-11	8.87E-11	1.17E-10
6945	437183.3	3762133	3.412E-10	1.16E-09	1.50E-09	5.30E-11	1.90E-10	2.43E-10	2.86E-11	8.82E-11	1.17E-10
6946	437192.2	3762129	3.39E-10	1.16E-09	1.49E-09	5.27E-11	1.89E-10	2.42E-10	2.84E-11	8.76E-11	1.16E-10
6947	437201	3762126	3.366E-10	1.15E-09	1.48E-09	5.23E-11	1.87E-10	2.40E-10	2.82E-11	8.70E-11	1.15E-10
6948	437209.8	3762122	3.342E-10	1.14E-09	1.47E-09	5.19E-11	1.86E-10	2.38E-10	2.80E-11	8.63E-11	1.14E-10
6949	437218.6	3762118	3.317E-10	1.13E-09	1.46E-09	5.15E-11	1.85E-10	2.36E-10	2.78E-11	8.57E-11	1.13E-10
6950	437227.4	3762114	3.293E-10	1.12E-09	1.45E-09	5.12E-11	1.83E-10	2.35E-10	2.76E-11	8.51E-11	1.13E-10

6951	437236.3	3762111	3.269E-10	1.11E-09	1.44E-09	5.08E-11	1.82E-10	2.33E-10	2.74E-11	8.45E-11	1.12E-10
6952	437245.1	3762107	3.244E-10	1.11E-09	1.43E-09	5.04E-11	1.81E-10	2.31E-10	2.72E-11	8.38E-11	1.11E-10
6953	437253.9	3762103	3.22E-10	1.10E-09	1.42E-09	5.00E-11	1.79E-10	2.29E-10	2.70E-11	8.32E-11	1.10E-10
6954	437262.7	3762100	3.198E-10	1.09E-09	1.41E-09	4.97E-11	1.78E-10	2.28E-10	2.68E-11	8.26E-11	1.09E-10
6955	437271.6	3762096	3.175E-10	1.08E-09	1.40E-09	4.93E-11	1.77E-10	2.26E-10	2.66E-11	8.20E-11	1.09E-10
6956	437280.4	3762092	3.153E-10	1.08E-09	1.39E-09	4.90E-11	1.76E-10	2.25E-10	2.64E-11	8.15E-11	1.08E-10
6957	437289.2	3762089	3.133E-10	1.07E-09	1.38E-09	4.87E-11	1.75E-10	2.23E-10	2.62E-11	8.09E-11	1.07E-10
6958	436723.8	3762699	4.922E-10	1.68E-09	2.17E-09	7.65E-11	2.74E-10	3.51E-10	4.12E-11	1.27E-10	1.68E-10
6959	436723.8	3762709	4.949E-10	1.69E-09	2.18E-09	7.69E-11	2.76E-10	3.53E-10	4.14E-11	1.28E-10	1.69E-10
6960	436723.8	3762718	4.971E-10	1.70E-09	2.19E-09	7.72E-11	2.77E-10	3.54E-10	4.16E-11	1.28E-10	1.70E-10
6961	436723.8	3762728	4.99E-10	1.70E-09	2.20E-09	7.75E-11	2.78E-10	3.55E-10	4.18E-11	1.29E-10	1.71E-10
6962	436723.8	3762738	5.004E-10	1.71E-09	2.21E-09	7.77E-11	2.79E-10	3.56E-10	4.19E-11	1.29E-10	1.71E-10
6963	436723.8	3762747	5.014E-10	1.71E-09	2.21E-09	7.79E-11	2.79E-10	3.57E-10	4.20E-11	1.30E-10	1.72E-10
6964	436723.8	3762757	5.019E-10	1.71E-09	2.21E-09	7.80E-11	2.80E-10	3.58E-10	4.20E-11	1.30E-10	1.72E-10
6965	436723.8	3762767	5.022E-10	1.71E-09	2.21E-09	7.80E-11	2.80E-10	3.58E-10	4.20E-11	1.30E-10	1.72E-10
6966	436723.8	3762776	5.02E-10	1.71E-09	2.21E-09	7.80E-11	2.80E-10	3.58E-10	4.20E-11	1.30E-10	1.72E-10
6967	436723.8	3762786	5.014E-10	1.71E-09	2.21E-09	7.79E-11	2.79E-10	3.57E-10	4.20E-11	1.30E-10	1.72E-10
6968	436723.8	3762796	5.005E-10	1.71E-09	2.21E-09	7.78E-11	2.79E-10	3.57E-10	4.19E-11	1.29E-10	1.71E-10
6969	436723.8	3762806	4.992E-10	1.70E-09	2.20E-09	7.76E-11	2.78E-10	3.56E-10	4.18E-11	1.29E-10	1.71E-10
6970	436723.8	3762815	4.977E-10	1.70E-09	2.19E-09	7.73E-11	2.77E-10	3.55E-10	4.17E-11	1.29E-10	1.70E-10
6971	436723.8	3762825	4.958E-10	1.69E-09	2.19E-09	7.70E-11	2.76E-10	3.53E-10	4.15E-11	1.28E-10	1.70E-10
6972	436723.8	3762835	4.936E-10	1.68E-09	2.18E-09	7.67E-11	2.75E-10	3.52E-10	4.13E-11	1.28E-10	1.69E-10
6973	436723.8	3762844	4.912E-10	1.67E-09	2.17E-09	7.63E-11	2.74E-10	3.50E-10	4.11E-11	1.27E-10	1.68E-10
6974	436723.8	3762854	4.885E-10	1.67E-09	2.15E-09	7.59E-11	2.72E-10	3.48E-10	4.09E-11	1.26E-10	1.67E-10
6975	436687.5	3762690	4.467E-10	1.52E-09	1.97E-09	6.94E-11	2.49E-10	3.18E-10	3.74E-11	1.15E-10	1.53E-10
6976	436691.1	3762681	4.481E-10	1.53E-09	1.98E-09	6.96E-11	2.50E-10	3.19E-10	3.75E-11	1.16E-10	1.53E-10
6977	436694.8	3762672	4.492E-10	1.53E-09	1.98E-09	6.98E-11	2.50E-10	3.20E-10	3.76E-11	1.16E-10	1.54E-10
6978	436698.4	3762663	4.5E-10	1.53E-09	1.98E-09	6.99E-11	2.51E-10	3.21E-10	3.77E-11	1.16E-10	1.54E-10
6979	436702.1	3762655	4.504E-10	1.54E-09	1.99E-09	7.00E-11	2.51E-10	3.21E-10	3.77E-11	1.16E-10	1.54E-10
6980	436705.8	3762646	4.505E-10	1.54E-09	1.99E-09	7.00E-11	2.51E-10	3.21E-10	3.77E-11	1.16E-10	1.54E-10
6981	436709.4	3762637	4.502E-10	1.54E-09	1.99E-09	7.00E-11	2.51E-10	3.21E-10	3.77E-11	1.16E-10	1.54E-10
6982	436713.1	3762628	4.496E-10	1.53E-09	1.98E-09	6.99E-11	2.50E-10	3.20E-10	3.76E-11	1.16E-10	1.54E-10
6983	436716.7	3762619	4.485E-10	1.53E-09	1.98E-09	6.97E-11	2.50E-10	3.20E-10	3.75E-11	1.16E-10	1.53E-10
6984	436720.4	3762610	4.472E-10	1.53E-09	1.97E-09	6.95E-11	2.49E-10	3.19E-10	3.74E-11	1.16E-10	1.53E-10
6985	436724.1	3762601	4.456E-10	1.52E-09	1.97E-09	6.92E-11	2.48E-10	3.17E-10	3.73E-11	1.15E-10	1.52E-10
6986	436727.7	3762592	4.437E-10	1.51E-09	1.96E-09	6.89E-11	2.47E-10	3.16E-10	3.71E-11	1.15E-10	1.52E-10
6987	436731.4	3762584	4.416E-10	1.51E-09	1.95E-09	6.86E-11	2.46E-10	3.15E-10	3.70E-11	1.14E-10	1.51E-10
6988	436735	3762575	4.394E-10	1.50E-09	1.94E-09	6.83E-11	2.45E-10	3.13E-10	3.68E-11	1.14E-10	1.50E-10
6989	436738.7	3762566	4.37E-10	1.49E-09	1.93E-09	6.79E-11	2.43E-10	3.11E-10	3.66E-11	1.13E-10	1.49E-10
6990	436742.4	3762557	4.344E-10	1.48E-09	1.92E-09	6.75E-11	2.42E-10	3.09E-10	3.64E-11	1.12E-10	1.49E-10
6991	436746	3762548	4.317E-10	1.47E-09	1.90E-09	6.71E-11	2.40E-10	3.08E-10	3.61E-11	1.12E-10	1.48E-10
6992	436749.7	3762539	4.29E-10	1.46E-09	1.89E-09	6.67E-11	2.39E-10	3.06E-10	3.59E-11	1.11E-10	1.47E-10
6993	436753.4	3762530	4.26E-10	1.45E-09	1.88E-09	6.62E-11	2.37E-10	3.03E-10	3.57E-11	1.10E-10	1.46E-10
6994	436757	3762521	4.229E-10	1.44E-09	1.87E-09	6.57E-11	2.36E-10	3.01E-10	3.54E-11	1.09E-10	1.45E-10
6995	436760.7	3762513	4.198E-10	1.43E-09	1.85E-09	6.52E-11	2.34E-10	2.99E-10	3.51E-11	1.08E-10	1.44E-10
6996	436764.3	3762504	4.166E-10	1.42E-09	1.84E-09	6.47E-11	2.32E-10	2.97E-10	3.49E-11	1.08E-10	1.43E-10
6997	436768	3762495	4.134E-10	1.41E-09	1.82E-09	6.42E-11	2.30E-10	2.95E-10	3.46E-11	1.07E-10	1.41E-10
6998	436771.7	3762486	4.101E-10	1.40E-09	1.81E-09	6.37E-11	2.28E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10
6999	436775.3	3762477	4.069E-10	1.39E-09	1.79E-09	6.32E-11	2.27E-10	2.90E-10	3.41E-11	1.05E-10	1.39E-10
7000	436779	3762468	4.038E-10	1.38E-09	1.78E-09	6.27E-11	2.25E-10	2.88E-10	3.38E-11	1.04E-10	1.38E-10
7001	436782.6	3762459	4.007E-10	1.37E-09	1.77E-09	6.23E-11	2.23E-10	2.85E-10	3.35E-11	1.04E-10	1.37E-10
7002	436786.3	3762450	3.976E-10	1.36E-09	1.75E-09	6.18E-11	2.21E-10	2.83E-10	3.33E-11	1.03E-10	1.36E-10
7003	436790	3762442	3.945E-10	1.35E-09	1.74E-09	6.13E-11	2.20E-10	2.81E-10	3.30E-11	1.02E-10	1.35E-10
7004	436793.6	3762433	3.915E-10	1.33E-09	1.73E-09	6.08E-11	2.18E-10	2.79E-10	3.28E-11	1.01E-10	1.34E-10
7005	436811.9	3762388	3.757E-10	1.28E-09	1.66E-09	5.84E-11	2.09E-10	2.68E-10	3.15E-11	9.71E-11	1.29E-10
7006	436815.6	3762379	3.726E-10	1.27E-09	1.64E-09	5.79E-11	2.08E-10	2.65E-10	3.12E-11	9.63E-11	1.27E-10
7007	436819.2	3762370	3.695E-10	1.26E-09	1.63E-09	5.74E-11	2.06E-10	2.63E-10	3.09E-11	9.55E-11	1.26E-10
7008	436822.9	3762362	3.662E-10	1.25E-09	1.61E-09	5.69E-11	2.04E-10	2.61E-10	3.06E-11	9.46E-11	1.25E-10
7009	436826.6	3762353	3.628E-10	1.24E-09	1.60E-09	5.64E-11	2.02E-10	2.58E-10	3.04E-11	9.37E-11	1.24E-10
7010	436830.2	3762344	3.593E-10	1.23E-09	1.58E-09	5.58E-11	2.00E-10	2.56E-10	3.01E-11	9.28E-11	1.23E-10
7011	436833.9	3762335	3.56E-10	1.21E-09	1.57E-09	5.53E-11	1.98E-10	2.54E-10	2.98E-11	9.20E-11	1.22E-10

7012	436837.5	3762326	3.527E-10	1.20E-09	1.56E-09	5.48E-11	1.96E-10	2.51E-10	2.95E-11	9.11E-11	1.21E-10
7013	436841.2	3762317	3.496E-10	1.19E-09	1.54E-09	5.43E-11	1.95E-10	2.49E-10	2.93E-11	9.03E-11	1.20E-10
7014	436844.9	3762308	3.465E-10	1.18E-09	1.53E-09	5.38E-11	1.93E-10	2.47E-10	2.90E-11	8.95E-11	1.19E-10
7015	436848.5	3762299	3.433E-10	1.17E-09	1.51E-09	5.33E-11	1.91E-10	2.45E-10	2.87E-11	8.87E-11	1.17E-10
7016	436852.2	3762291	3.402E-10	1.16E-09	1.50E-09	5.29E-11	1.90E-10	2.42E-10	2.85E-11	8.79E-11	1.16E-10
7017	436855.8	3762282	3.371E-10	1.15E-09	1.49E-09	5.24E-11	1.88E-10	2.40E-10	2.82E-11	8.71E-11	1.15E-10
7018	436859.5	3762273	3.34E-10	1.14E-09	1.47E-09	5.19E-11	1.86E-10	2.38E-10	2.80E-11	8.63E-11	1.14E-10
7019	436863.2	3762264	3.308E-10	1.13E-09	1.46E-09	5.14E-11	1.84E-10	2.36E-10	2.77E-11	8.55E-11	1.13E-10
7020	436866.8	3762255	3.275E-10	1.12E-09	1.44E-09	5.09E-11	1.82E-10	2.33E-10	2.74E-11	8.46E-11	1.12E-10
7021	436870.5	3762246	3.242E-10	1.11E-09	1.43E-09	5.04E-11	1.81E-10	2.31E-10	2.71E-11	8.38E-11	1.11E-10
7022	436874.1	3762237	3.207E-10	1.09E-09	1.41E-09	4.98E-11	1.79E-10	2.28E-10	2.68E-11	8.29E-11	1.10E-10
7023	436877.8	3762228	3.169E-10	1.08E-09	1.40E-09	4.92E-11	1.77E-10	2.26E-10	2.65E-11	8.19E-11	1.08E-10
7024	436890.3	3762216	3.147E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.63E-11	8.13E-11	1.08E-10
7025	436925.7	3762201	3.21E-10	1.09E-09	1.42E-09	4.99E-11	1.79E-10	2.29E-10	2.69E-11	8.30E-11	1.10E-10
7026	436934.6	3762197	3.223E-10	1.10E-09	1.42E-09	5.01E-11	1.80E-10	2.30E-10	2.70E-11	8.33E-11	1.10E-10
7027	436943.4	3762194	3.235E-10	1.10E-09	1.43E-09	5.03E-11	1.80E-10	2.30E-10	2.71E-11	8.36E-11	1.11E-10
7028	436952.3	3762190	3.246E-10	1.11E-09	1.43E-09	5.04E-11	1.81E-10	2.31E-10	2.72E-11	8.39E-11	1.11E-10
7029	436961.1	3762186	3.255E-10	1.11E-09	1.44E-09	5.06E-11	1.81E-10	2.32E-10	2.72E-11	8.41E-11	1.11E-10
7030	436970	3762182	3.263E-10	1.11E-09	1.44E-09	5.07E-11	1.82E-10	2.32E-10	2.73E-11	8.43E-11	1.12E-10
7031	436978.8	3762179	3.27E-10	1.12E-09	1.44E-09	5.08E-11	1.82E-10	2.33E-10	2.74E-11	8.45E-11	1.12E-10
7032	436987.7	3762175	3.276E-10	1.12E-09	1.44E-09	5.09E-11	1.83E-10	2.33E-10	2.74E-11	8.47E-11	1.12E-10
7033	436996.6	3762171	3.281E-10	1.12E-09	1.45E-09	5.10E-11	1.83E-10	2.34E-10	2.75E-11	8.48E-11	1.12E-10
7034	437005.4	3762168	3.285E-10	1.12E-09	1.45E-09	5.10E-11	1.83E-10	2.34E-10	2.75E-11	8.49E-11	1.12E-10
7035	437014.3	3762164	3.286E-10	1.12E-09	1.45E-09	5.11E-11	1.83E-10	2.34E-10	2.75E-11	8.49E-11	1.12E-10
7036	437023.1	3762160	3.284E-10	1.12E-09	1.45E-09	5.10E-11	1.83E-10	2.34E-10	2.75E-11	8.49E-11	1.12E-10
7037	437032	3762156	3.281E-10	1.12E-09	1.45E-09	5.10E-11	1.83E-10	2.34E-10	2.75E-11	8.48E-11	1.12E-10
7038	437120.5	3762119	3.187E-10	1.09E-09	1.41E-09	4.95E-11	1.78E-10	2.27E-10	2.67E-11	8.24E-11	1.09E-10
7039	437129.3	3762116	3.171E-10	1.08E-09	1.40E-09	4.93E-11	1.77E-10	2.26E-10	2.65E-11	8.19E-11	1.08E-10
7040	437138.2	3762112	3.154E-10	1.08E-09	1.39E-09	4.90E-11	1.76E-10	2.25E-10	2.64E-11	8.15E-11	1.08E-10
7041	437147.1	3762108	3.137E-10	1.07E-09	1.38E-09	4.87E-11	1.75E-10	2.23E-10	2.63E-11	8.10E-11	1.07E-10
7042	437155.9	3762104	3.118E-10	1.06E-09	1.37E-09	4.84E-11	1.74E-10	2.22E-10	2.61E-11	8.06E-11	1.07E-10
7043	437164.8	3762101	3.099E-10	1.06E-09	1.37E-09	4.81E-11	1.73E-10	2.21E-10	2.59E-11	8.01E-11	1.06E-10
7044	437173.6	3762097	3.079E-10	1.05E-09	1.36E-09	4.78E-11	1.72E-10	2.19E-10	2.58E-11	7.95E-11	1.05E-10
7045	437182.5	3762093	3.058E-10	1.04E-09	1.35E-09	4.75E-11	1.70E-10	2.18E-10	2.56E-11	7.90E-11	1.05E-10
7046	437191.3	3762090	3.037E-10	1.04E-09	1.34E-09	4.72E-11	1.69E-10	2.16E-10	2.54E-11	7.85E-11	1.04E-10
7047	437200.2	3762086	3.016E-10	1.03E-09	1.33E-09	4.69E-11	1.68E-10	2.15E-10	2.52E-11	7.79E-11	1.03E-10
7048	436683.8	3762699	4.449E-10	1.52E-09	1.96E-09	6.91E-11	2.48E-10	3.17E-10	3.72E-11	1.15E-10	1.52E-10
7049	436683.8	3762709	4.47E-10	1.52E-09	1.97E-09	6.94E-11	2.49E-10	3.18E-10	3.74E-11	1.15E-10	1.53E-10
7050	436683.8	3762718	4.487E-10	1.53E-09	1.98E-09	6.97E-11	2.50E-10	3.20E-10	3.76E-11	1.16E-10	1.53E-10
7051	436683.8	3762728	4.5E-10	1.53E-09	1.98E-09	6.99E-11	2.51E-10	3.21E-10	3.77E-11	1.16E-10	1.54E-10
7052	436683.8	3762738	4.51E-10	1.54E-09	1.99E-09	7.01E-11	2.51E-10	3.21E-10	3.77E-11	1.17E-10	1.54E-10
7053	436683.8	3762747	4.517E-10	1.54E-09	1.99E-09	7.02E-11	2.52E-10	3.22E-10	3.78E-11	1.17E-10	1.55E-10
7054	436683.8	3762757	4.52E-10	1.54E-09	1.99E-09	7.02E-11	2.52E-10	3.22E-10	3.78E-11	1.17E-10	1.55E-10
7055	436683.8	3762767	4.521E-10	1.54E-09	1.99E-09	7.02E-11	2.52E-10	3.22E-10	3.78E-11	1.17E-10	1.55E-10
7056	436683.8	3762776	4.517E-10	1.54E-09	1.99E-09	7.02E-11	2.52E-10	3.22E-10	3.78E-11	1.17E-10	1.55E-10
7057	436683.8	3762786	4.511E-10	1.54E-09	1.99E-09	7.01E-11	2.51E-10	3.21E-10	3.78E-11	1.17E-10	1.54E-10
7058	436683.8	3762796	4.503E-10	1.54E-09	1.99E-09	7.00E-11	2.51E-10	3.21E-10	3.77E-11	1.16E-10	1.54E-10
7059	436683.8	3762806	4.492E-10	1.53E-09	1.98E-09	6.98E-11	2.50E-10	3.20E-10	3.76E-11	1.16E-10	1.54E-10
7060	436683.8	3762815	4.478E-10	1.53E-09	1.97E-09	6.96E-11	2.49E-10	3.19E-10	3.75E-11	1.16E-10	1.53E-10
7061	436683.8	3762825	4.462E-10	1.52E-09	1.97E-09	6.93E-11	2.49E-10	3.18E-10	3.74E-11	1.15E-10	1.53E-10
7062	436683.8	3762835	4.444E-10	1.52E-09	1.96E-09	6.91E-11	2.48E-10	3.17E-10	3.72E-11	1.15E-10	1.52E-10
7063	436683.8	3762844	4.423E-10	1.51E-09	1.95E-09	6.87E-11	2.46E-10	3.15E-10	3.70E-11	1.14E-10	1.51E-10
7064	436683.8	3762854	4.4E-10	1.50E-09	1.94E-09	6.84E-11	2.45E-10	3.13E-10	3.68E-11	1.14E-10	1.51E-10
7065	436647.5	3762690	4.064E-10	1.39E-09	1.79E-09	6.31E-11	2.26E-10	2.89E-10	3.40E-11	1.05E-10	1.39E-10
7066	436651.1	3762681	4.078E-10	1.39E-09	1.80E-09	6.34E-11	2.27E-10	2.91E-10	3.41E-11	1.05E-10	1.39E-10
7067	436654.8	3762672	4.089E-10	1.39E-09	1.80E-09	6.35E-11	2.28E-10	2.91E-10	3.42E-11	1.06E-10	1.40E-10
7068	436658.5	3762663	4.098E-10	1.40E-09	1.81E-09	6.37E-11	2.28E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10
7069	436662.2	3762654	4.103E-10	1.40E-09	1.81E-09	6.37E-11	2.29E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10
7070	436665.8	3762645	4.105E-10	1.40E-09	1.81E-09	6.38E-11	2.29E-10	2.92E-10	3.44E-11	1.06E-10	1.40E-10
7071	436669.5	3762637	4.104E-10	1.40E-09	1.81E-09	6.38E-11	2.29E-10	2.92E-10	3.44E-11	1.06E-10	1.40E-10
7072	436673.2	3762628	4.1E-10	1.40E-09	1.81E-09	6.37E-11	2.28E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10

7073	436676.8	3762619	4.094E-10	1.40E-09	1.81E-09	6.36E-11	2.28E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10
7074	436680.5	3762610	4.084E-10	1.39E-09	1.80E-09	6.35E-11	2.28E-10	2.91E-10	3.42E-11	1.06E-10	1.40E-10
7075	436684.2	3762601	4.072E-10	1.39E-09	1.80E-09	6.33E-11	2.27E-10	2.90E-10	3.41E-11	1.05E-10	1.39E-10
7076	436687.9	3762592	4.058E-10	1.38E-09	1.79E-09	6.31E-11	2.26E-10	2.89E-10	3.40E-11	1.05E-10	1.39E-10
7077	436691.5	3762583	4.041E-10	1.38E-09	1.78E-09	6.28E-11	2.25E-10	2.88E-10	3.38E-11	1.04E-10	1.38E-10
7078	436695.2	3762574	4.022E-10	1.37E-09	1.77E-09	6.25E-11	2.24E-10	2.87E-10	3.37E-11	1.04E-10	1.38E-10
7079	436698.9	3762565	4.002E-10	1.36E-09	1.76E-09	6.22E-11	2.23E-10	2.85E-10	3.35E-11	1.03E-10	1.37E-10
7080	436702.6	3762556	3.98E-10	1.36E-09	1.76E-09	6.18E-11	2.22E-10	2.84E-10	3.33E-11	1.03E-10	1.36E-10
7081	436706.2	3762548	3.957E-10	1.35E-09	1.75E-09	6.15E-11	2.20E-10	2.82E-10	3.31E-11	1.02E-10	1.35E-10
7082	436709.9	3762539	3.933E-10	1.34E-09	1.73E-09	6.11E-11	2.19E-10	2.80E-10	3.29E-11	1.02E-10	1.35E-10
7083	436713.6	3762530	3.908E-10	1.33E-09	1.72E-09	6.07E-11	2.18E-10	2.78E-10	3.27E-11	1.01E-10	1.34E-10
7084	436717.2	3762521	3.882E-10	1.32E-09	1.71E-09	6.03E-11	2.16E-10	2.77E-10	3.25E-11	1.00E-10	1.33E-10
7085	436720.9	3762512	3.855E-10	1.31E-09	1.70E-09	5.99E-11	2.15E-10	2.75E-10	3.23E-11	9.96E-11	1.32E-10
7086	436724.6	3762503	3.828E-10	1.31E-09	1.69E-09	5.95E-11	2.13E-10	2.73E-10	3.20E-11	9.89E-11	1.31E-10
7087	436728.3	3762494	3.801E-10	1.30E-09	1.68E-09	5.91E-11	2.12E-10	2.71E-10	3.18E-11	9.82E-11	1.30E-10
7088	436746.6	3762450	3.66E-10	1.25E-09	1.61E-09	5.69E-11	2.04E-10	2.61E-10	3.06E-11	9.46E-11	1.25E-10
7089	436750.3	3762441	3.633E-10	1.24E-09	1.60E-09	5.64E-11	2.02E-10	2.59E-10	3.04E-11	9.39E-11	1.24E-10
7090	436754	3762432	3.606E-10	1.23E-09	1.59E-09	5.60E-11	2.01E-10	2.57E-10	3.02E-11	9.32E-11	1.23E-10
7091	436757.6	3762423	3.579E-10	1.22E-09	1.58E-09	5.56E-11	1.99E-10	2.55E-10	3.00E-11	9.25E-11	1.22E-10
7092	436761.3	3762414	3.553E-10	1.21E-09	1.57E-09	5.52E-11	1.98E-10	2.53E-10	2.97E-11	9.18E-11	1.22E-10
7093	436765	3762405	3.528E-10	1.20E-09	1.56E-09	5.48E-11	1.97E-10	2.51E-10	2.95E-11	9.12E-11	1.21E-10
7094	436790.7	3762343	3.346E-10	1.14E-09	1.48E-09	5.20E-11	1.86E-10	2.38E-10	2.80E-11	8.65E-11	1.14E-10
7095	436794.3	3762334	3.318E-10	1.13E-09	1.46E-09	5.16E-11	1.85E-10	2.36E-10	2.78E-11	8.57E-11	1.14E-10
7096	436798	3762325	3.291E-10	1.12E-09	1.45E-09	5.11E-11	1.83E-10	2.34E-10	2.75E-11	8.50E-11	1.13E-10
7097	436801.7	3762316	3.264E-10	1.11E-09	1.44E-09	5.07E-11	1.82E-10	2.33E-10	2.73E-11	8.43E-11	1.12E-10
7098	436805.4	3762307	3.237E-10	1.10E-09	1.43E-09	5.03E-11	1.80E-10	2.31E-10	2.71E-11	8.36E-11	1.11E-10
7099	436809	3762298	3.209E-10	1.09E-09	1.42E-09	4.99E-11	1.79E-10	2.29E-10	2.69E-11	8.29E-11	1.10E-10
7100	436812.7	3762289	3.183E-10	1.09E-09	1.40E-09	4.95E-11	1.77E-10	2.27E-10	2.66E-11	8.22E-11	1.09E-10
7101	436816.4	3762280	3.155E-10	1.08E-09	1.39E-09	4.90E-11	1.76E-10	2.25E-10	2.64E-11	8.15E-11	1.08E-10
7102	436820	3762272	3.128E-10	1.07E-09	1.38E-09	4.86E-11	1.74E-10	2.23E-10	2.62E-11	8.08E-11	1.07E-10
7103	436823.7	3762263	3.099E-10	1.06E-09	1.37E-09	4.82E-11	1.73E-10	2.21E-10	2.59E-11	8.01E-11	1.06E-10
7104	436827.4	3762254	3.07E-10	1.05E-09	1.35E-09	4.77E-11	1.71E-10	2.19E-10	2.57E-11	7.93E-11	1.05E-10
7105	436831.1	3762245	3.04E-10	1.04E-09	1.34E-09	4.72E-11	1.69E-10	2.17E-10	2.54E-11	7.86E-11	1.04E-10
7106	436834.7	3762236	3.011E-10	1.03E-09	1.33E-09	4.68E-11	1.68E-10	2.14E-10	2.52E-11	7.78E-11	1.03E-10
7107	436838.4	3762227	2.98E-10	1.02E-09	1.31E-09	4.63E-11	1.66E-10	2.12E-10	2.49E-11	7.70E-11	1.02E-10
7108	436842.1	3762218	2.948E-10	1.01E-09	1.30E-09	4.58E-11	1.64E-10	2.10E-10	2.47E-11	7.62E-11	1.01E-10
7109	436845.7	3762209	2.916E-10	9.94E-10	1.29E-09	4.53E-11	1.62E-10	2.08E-10	2.44E-11	7.54E-11	9.98E-11
7110	436849.4	3762200	2.882E-10	9.83E-10	1.27E-09	4.48E-11	1.61E-10	2.05E-10	2.41E-11	7.45E-11	9.86E-11
7111	436862	3762188	2.859E-10	9.75E-10	1.26E-09	4.44E-11	1.59E-10	2.04E-10	2.39E-11	7.39E-11	9.78E-11
7112	436897.5	3762173	2.916E-10	9.94E-10	1.29E-09	4.53E-11	1.62E-10	2.08E-10	2.44E-11	7.53E-11	9.97E-11
7113	436906.4	3762169	2.93E-10	9.99E-10	1.29E-09	4.55E-11	1.63E-10	2.09E-10	2.45E-11	7.57E-11	1.00E-10
7114	436915.3	3762165	2.943E-10	1.00E-09	1.30E-09	4.57E-11	1.64E-10	2.10E-10	2.46E-11	7.60E-11	1.01E-10
7115	436924.1	3762162	2.955E-10	1.01E-09	1.30E-09	4.59E-11	1.65E-10	2.11E-10	2.47E-11	7.64E-11	1.01E-10
7116	436933	3762158	2.965E-10	1.01E-09	1.31E-09	4.61E-11	1.65E-10	2.11E-10	2.48E-11	7.66E-11	1.01E-10
7117	436941.9	3762154	2.972E-10	1.01E-09	1.31E-09	4.62E-11	1.66E-10	2.12E-10	2.49E-11	7.68E-11	1.02E-10
7118	436950.8	3762150	2.979E-10	1.02E-09	1.31E-09	4.63E-11	1.66E-10	2.12E-10	2.49E-11	7.70E-11	1.02E-10
7119	436959.7	3762147	2.982E-10	1.02E-09	1.32E-09	4.63E-11	1.66E-10	2.12E-10	2.50E-11	7.71E-11	1.02E-10
7120	436968.5	3762143	2.984E-10	1.02E-09	1.32E-09	4.64E-11	1.66E-10	2.13E-10	2.50E-11	7.71E-11	1.02E-10
7121	436977.4	3762139	2.984E-10	1.02E-09	1.32E-09	4.64E-11	1.66E-10	2.13E-10	2.50E-11	7.71E-11	1.02E-10
7122	436986.3	3762135	2.984E-10	1.02E-09	1.32E-09	4.64E-11	1.66E-10	2.13E-10	2.50E-11	7.71E-11	1.02E-10
7123	436995.2	3762132	2.985E-10	1.02E-09	1.32E-09	4.64E-11	1.66E-10	2.13E-10	2.50E-11	7.71E-11	1.02E-10
7124	437004.1	3762128	2.984E-10	1.02E-09	1.32E-09	4.64E-11	1.66E-10	2.13E-10	2.50E-11	7.71E-11	1.02E-10
7125	437012.9	3762124	2.982E-10	1.02E-09	1.32E-09	4.63E-11	1.66E-10	2.12E-10	2.50E-11	7.71E-11	1.02E-10
7126	437021.8	3762121	2.981E-10	1.02E-09	1.31E-09	4.63E-11	1.66E-10	2.12E-10	2.50E-11	7.70E-11	1.02E-10
7127	436643.8	3762699	4.046E-10	1.38E-09	1.78E-09	6.29E-11	2.25E-10	2.88E-10	3.39E-11	1.05E-10	1.38E-10
7128	436643.8	3762709	4.062E-10	1.39E-09	1.79E-09	6.31E-11	2.26E-10	2.89E-10	3.40E-11	1.05E-10	1.39E-10
7129	436643.8	3762718	4.075E-10	1.39E-09	1.80E-09	6.33E-11	2.27E-10	2.90E-10	3.41E-11	1.05E-10	1.39E-10
7130	436643.8	3762728	4.085E-10	1.39E-09	1.80E-09	6.35E-11	2.28E-10	2.91E-10	3.42E-11	1.06E-10	1.40E-10
7131	436643.8	3762738	4.091E-10	1.40E-09	1.80E-09	6.36E-11	2.28E-10	2.91E-10	3.42E-11	1.06E-10	1.40E-10
7132	436643.8	3762747	4.095E-10	1.40E-09	1.81E-09	6.36E-11	2.28E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10
7133	436643.8	3762757	4.096E-10	1.40E-09	1.81E-09	6.36E-11	2.28E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10

7134	436643.8	3762767	4.095E-10	1.40E-09	1.81E-09	6.36E-11	2.28E-10	2.92E-10	3.43E-11	1.06E-10	1.40E-10
7135	436643.8	3762776	4.091E-10	1.40E-09	1.80E-09	6.36E-11	2.28E-10	2.91E-10	3.42E-11	1.06E-10	1.40E-10
7136	436643.8	3762786	4.085E-10	1.39E-09	1.80E-09	6.35E-11	2.28E-10	2.91E-10	3.42E-11	1.06E-10	1.40E-10
7137	436643.8	3762796	4.077E-10	1.39E-09	1.80E-09	6.33E-11	2.27E-10	2.90E-10	3.41E-11	1.05E-10	1.39E-10
7138	436643.8	3762806	4.067E-10	1.39E-09	1.79E-09	6.32E-11	2.27E-10	2.90E-10	3.40E-11	1.05E-10	1.39E-10
7139	436643.8	3762815	4.055E-10	1.38E-09	1.79E-09	6.30E-11	2.26E-10	2.89E-10	3.39E-11	1.05E-10	1.39E-10
7140	436643.8	3762825	4.041E-10	1.38E-09	1.78E-09	6.28E-11	2.25E-10	2.88E-10	3.38E-11	1.04E-10	1.38E-10
7141	436643.8	3762835	4.025E-10	1.37E-09	1.77E-09	6.25E-11	2.24E-10	2.87E-10	3.37E-11	1.04E-10	1.38E-10
7142	436643.8	3762844	4.008E-10	1.37E-09	1.77E-09	6.23E-11	2.23E-10	2.86E-10	3.35E-11	1.04E-10	1.37E-10
7143	436643.8	3762854	3.988E-10	1.36E-09	1.76E-09	6.20E-11	2.22E-10	2.84E-10	3.34E-11	1.03E-10	1.36E-10
7144	436607.5	3762690	3.713E-10	1.27E-09	1.64E-09	5.77E-11	2.07E-10	2.65E-10	3.11E-11	9.59E-11	1.27E-10
7145	436611.2	3762681	3.726E-10	1.27E-09	1.64E-09	5.79E-11	2.08E-10	2.65E-10	3.12E-11	9.63E-11	1.27E-10
7146	436614.9	3762672	3.738E-10	1.27E-09	1.65E-09	5.81E-11	2.08E-10	2.66E-10	3.13E-11	9.66E-11	1.28E-10
7147	436618.5	3762663	3.748E-10	1.28E-09	1.65E-09	5.82E-11	2.09E-10	2.67E-10	3.14E-11	9.68E-11	1.28E-10
7148	436622.2	3762654	3.754E-10	1.28E-09	1.66E-09	5.83E-11	2.09E-10	2.67E-10	3.14E-11	9.70E-11	1.28E-10
7149	436625.9	3762645	3.757E-10	1.28E-09	1.66E-09	5.84E-11	2.09E-10	2.68E-10	3.15E-11	9.71E-11	1.29E-10
7150	436629.6	3762636	3.758E-10	1.28E-09	1.66E-09	5.84E-11	2.09E-10	2.68E-10	3.15E-11	9.71E-11	1.29E-10
7151	436633.3	3762627	3.757E-10	1.28E-09	1.66E-09	5.84E-11	2.09E-10	2.68E-10	3.14E-11	9.71E-11	1.29E-10
7152	436636.9	3762619	3.752E-10	1.28E-09	1.65E-09	5.83E-11	2.09E-10	2.67E-10	3.14E-11	9.70E-11	1.28E-10
7153	436640.6	3762610	3.746E-10	1.28E-09	1.65E-09	5.82E-11	2.09E-10	2.67E-10	3.14E-11	9.68E-11	1.28E-10
7154	436644.3	3762601	3.737E-10	1.27E-09	1.65E-09	5.81E-11	2.08E-10	2.66E-10	3.13E-11	9.66E-11	1.28E-10
7155	436648	3762592	3.726E-10	1.27E-09	1.64E-09	5.79E-11	2.08E-10	2.65E-10	3.12E-11	9.63E-11	1.27E-10
7156	436651.7	3762583	3.714E-10	1.27E-09	1.64E-09	5.77E-11	2.07E-10	2.65E-10	3.11E-11	9.60E-11	1.27E-10
7157	436655.4	3762574	3.698E-10	1.26E-09	1.63E-09	5.75E-11	2.06E-10	2.63E-10	3.10E-11	9.56E-11	1.27E-10
7158	436659	3762565	3.682E-10	1.26E-09	1.62E-09	5.72E-11	2.05E-10	2.62E-10	3.08E-11	9.51E-11	1.26E-10
7159	436662.7	3762556	3.664E-10	1.25E-09	1.62E-09	5.69E-11	2.04E-10	2.61E-10	3.07E-11	9.47E-11	1.25E-10
7160	436666.4	3762547	3.644E-10	1.24E-09	1.61E-09	5.66E-11	2.03E-10	2.60E-10	3.05E-11	9.42E-11	1.25E-10
7161	436670.1	3762538	3.624E-10	1.24E-09	1.60E-09	5.63E-11	2.02E-10	2.58E-10	3.03E-11	9.36E-11	1.24E-10
7162	436673.8	3762529	3.602E-10	1.23E-09	1.59E-09	5.60E-11	2.01E-10	2.57E-10	3.02E-11	9.31E-11	1.23E-10
7163	436677.4	3762520	3.58E-10	1.22E-09	1.58E-09	5.56E-11	1.99E-10	2.55E-10	3.00E-11	9.25E-11	1.22E-10
7164	436681.1	3762511	3.557E-10	1.21E-09	1.57E-09	5.53E-11	1.98E-10	2.53E-10	2.98E-11	9.19E-11	1.22E-10
7165	436684.8	3762502	3.533E-10	1.20E-09	1.56E-09	5.49E-11	1.97E-10	2.52E-10	2.96E-11	9.13E-11	1.21E-10
7166	436688.5	3762494	3.509E-10	1.20E-09	1.55E-09	5.45E-11	1.95E-10	2.50E-10	2.94E-11	9.07E-11	1.20E-10
7167	436706.9	3762449	3.381E-10	1.15E-09	1.49E-09	5.25E-11	1.88E-10	2.41E-10	2.83E-11	8.74E-11	1.16E-10
7168	436710.6	3762440	3.356E-10	1.14E-09	1.48E-09	5.21E-11	1.87E-10	2.39E-10	2.81E-11	8.67E-11	1.15E-10
7169	436714.3	3762431	3.332E-10	1.14E-09	1.47E-09	5.18E-11	1.86E-10	2.37E-10	2.79E-11	8.61E-11	1.14E-10
7170	436717.9	3762422	3.308E-10	1.13E-09	1.46E-09	5.14E-11	1.84E-10	2.36E-10	2.77E-11	8.55E-11	1.13E-10
7171	436721.6	3762413	3.285E-10	1.12E-09	1.45E-09	5.10E-11	1.83E-10	2.34E-10	2.75E-11	8.49E-11	1.12E-10
7172	436725.3	3762404	3.264E-10	1.11E-09	1.44E-09	5.07E-11	1.82E-10	2.33E-10	2.73E-11	8.43E-11	1.12E-10
7173	436729	3762395	3.242E-10	1.11E-09	1.43E-09	5.04E-11	1.81E-10	2.31E-10	2.71E-11	8.38E-11	1.11E-10
7174	436732.7	3762386	3.22E-10	1.10E-09	1.42E-09	5.00E-11	1.79E-10	2.29E-10	2.70E-11	8.32E-11	1.10E-10
7175	436736.4	3762377	3.198E-10	1.09E-09	1.41E-09	4.97E-11	1.78E-10	2.28E-10	2.68E-11	8.26E-11	1.09E-10
7176	436754.8	3762333	3.085E-10	1.05E-09	1.36E-09	4.79E-11	1.72E-10	2.20E-10	2.58E-11	7.97E-11	1.06E-10
7177	436795.3	3762235	2.834E-10	9.66E-10	1.25E-09	4.40E-11	1.58E-10	2.02E-10	2.37E-11	7.32E-11	9.69E-11
7178	436798.9	3762226	2.809E-10	9.58E-10	1.24E-09	4.36E-11	1.56E-10	2.00E-10	2.35E-11	7.26E-11	9.61E-11
7179	436802.6	3762217	2.782E-10	9.49E-10	1.23E-09	4.32E-11	1.55E-10	1.98E-10	2.33E-11	7.19E-11	9.52E-11
7180	436806.3	3762208	2.756E-10	9.40E-10	1.22E-09	4.28E-11	1.54E-10	1.96E-10	2.31E-11	7.12E-11	9.43E-11
7181	436810	3762199	2.728E-10	9.30E-10	1.20E-09	4.24E-11	1.52E-10	1.94E-10	2.28E-11	7.05E-11	9.33E-11
7182	436813.7	3762190	2.7E-10	9.21E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.98E-11	9.24E-11
7183	436817.4	3762181	2.671E-10	9.11E-10	1.18E-09	4.15E-11	1.49E-10	1.90E-10	2.24E-11	6.90E-11	9.14E-11
7184	436821	3762172	2.642E-10	9.01E-10	1.17E-09	4.11E-11	1.47E-10	1.88E-10	2.21E-11	6.83E-11	9.04E-11
7185	436833.6	3762159	2.626E-10	8.95E-10	1.16E-09	4.08E-11	1.46E-10	1.87E-10	2.20E-11	6.79E-11	8.98E-11
7186	436860.3	3762148	2.66E-10	9.07E-10	1.17E-09	4.13E-11	1.48E-10	1.90E-10	2.23E-11	6.87E-11	9.10E-11
7187	436869.2	3762145	2.672E-10	9.11E-10	1.18E-09	4.15E-11	1.49E-10	1.90E-10	2.24E-11	6.90E-11	9.14E-11
7188	436878.1	3762141	2.683E-10	9.15E-10	1.18E-09	4.17E-11	1.49E-10	1.91E-10	2.25E-11	6.93E-11	9.18E-11
7189	436887.1	3762137	2.694E-10	9.19E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.25E-11	6.96E-11	9.22E-11
7190	436896	3762133	2.705E-10	9.22E-10	1.19E-09	4.20E-11	1.51E-10	1.93E-10	2.26E-11	6.99E-11	9.25E-11
7191	436904.9	3762130	2.714E-10	9.26E-10	1.20E-09	4.22E-11	1.51E-10	1.93E-10	2.27E-11	7.01E-11	9.29E-11
7192	436913.8	3762126	2.722E-10	9.28E-10	1.20E-09	4.23E-11	1.52E-10	1.94E-10	2.28E-11	7.03E-11	9.31E-11
7193	436922.7	3762122	2.729E-10	9.30E-10	1.20E-09	4.24E-11	1.52E-10	1.94E-10	2.28E-11	7.05E-11	9.33E-11
7194	436931.6	3762118	2.732E-10	9.32E-10	1.20E-09	4.25E-11	1.52E-10	1.95E-10	2.29E-11	7.06E-11	9.35E-11

7195	436940.5	3762115	2.735E-10	9.33E-10	1.21E-09	4.25E-11	1.52E-10	1.95E-10	2.29E-11	7.07E-11	9.36E-11
7196	436949.4	3762111	2.736E-10	9.33E-10	1.21E-09	4.25E-11	1.52E-10	1.95E-10	2.29E-11	7.07E-11	9.36E-11
7197	436958.3	3762107	2.736E-10	9.33E-10	1.21E-09	4.25E-11	1.52E-10	1.95E-10	2.29E-11	7.07E-11	9.36E-11
7198	436967.2	3762103	2.735E-10	9.33E-10	1.21E-09	4.25E-11	1.52E-10	1.95E-10	2.29E-11	7.07E-11	9.36E-11
7199	436976.1	3762100	2.732E-10	9.32E-10	1.20E-09	4.25E-11	1.52E-10	1.95E-10	2.29E-11	7.06E-11	9.35E-11
7200	436985	3762096	2.731E-10	9.31E-10	1.20E-09	4.24E-11	1.52E-10	1.95E-10	2.29E-11	7.06E-11	9.34E-11
7201	436993.9	3762092	2.73E-10	9.31E-10	1.20E-09	4.24E-11	1.52E-10	1.94E-10	2.29E-11	7.05E-11	9.34E-11
7202	437261.1	3761980	2.365E-10	8.07E-10	1.04E-09	3.67E-11	1.32E-10	1.69E-10	1.98E-11	6.11E-11	8.09E-11
7203	437270	3761976	2.351E-10	8.02E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.97E-11	6.07E-11	8.04E-11
7204	437278.9	3761973	2.337E-10	7.97E-10	1.03E-09	3.63E-11	1.30E-10	1.66E-10	1.96E-11	6.04E-11	7.99E-11
7205	437287.8	3761969	2.325E-10	7.93E-10	1.03E-09	3.61E-11	1.30E-10	1.66E-10	1.95E-11	6.01E-11	7.95E-11
7206	437296.7	3761965	2.313E-10	7.89E-10	1.02E-09	3.59E-11	1.29E-10	1.65E-10	1.94E-11	5.98E-11	7.91E-11
7207	437305.6	3761961	2.302E-10	7.85E-10	1.02E-09	3.58E-11	1.28E-10	1.64E-10	1.93E-11	5.95E-11	7.88E-11
7208	437314.5	3761958	2.292E-10	7.82E-10	1.01E-09	3.56E-11	1.28E-10	1.63E-10	1.92E-11	5.92E-11	7.84E-11
7209	437323.4	3761954	2.284E-10	7.79E-10	1.01E-09	3.55E-11	1.27E-10	1.63E-10	1.91E-11	5.90E-11	7.81E-11
7210	437332.3	3761950	2.275E-10	7.76E-10	1.00E-09	3.54E-11	1.27E-10	1.62E-10	1.90E-11	5.88E-11	7.78E-11
7211	437341.2	3761946	2.267E-10	7.73E-10	1.00E-09	3.52E-11	1.26E-10	1.62E-10	1.90E-11	5.86E-11	7.76E-11
7212	437350.1	3761943	2.26E-10	7.71E-10	9.96E-10	3.51E-11	1.26E-10	1.61E-10	1.89E-11	5.84E-11	7.73E-11
7213	436603.8	3762699	3.697E-10	1.26E-09	1.63E-09	5.74E-11	2.06E-10	2.63E-10	3.09E-11	9.55E-11	1.26E-10
7214	436603.8	3762709	3.709E-10	1.26E-09	1.64E-09	5.76E-11	2.07E-10	2.64E-10	3.10E-11	9.58E-11	1.27E-10
7215	436603.8	3762718	3.718E-10	1.27E-09	1.64E-09	5.78E-11	2.07E-10	2.65E-10	3.11E-11	9.61E-11	1.27E-10
7216	436603.8	3762728	3.726E-10	1.27E-09	1.64E-09	5.79E-11	2.08E-10	2.65E-10	3.12E-11	9.63E-11	1.27E-10
7217	436603.8	3762738	3.731E-10	1.27E-09	1.65E-09	5.80E-11	2.08E-10	2.66E-10	3.12E-11	9.64E-11	1.28E-10
7218	436603.8	3762747	3.733E-10	1.27E-09	1.65E-09	5.80E-11	2.08E-10	2.66E-10	3.12E-11	9.65E-11	1.28E-10
7219	436603.8	3762757	3.733E-10	1.27E-09	1.65E-09	5.80E-11	2.08E-10	2.66E-10	3.12E-11	9.65E-11	1.28E-10
7220	436603.8	3762767	3.731E-10	1.27E-09	1.65E-09	5.80E-11	2.08E-10	2.66E-10	3.12E-11	9.64E-11	1.28E-10
7221	436603.8	3762776	3.727E-10	1.27E-09	1.64E-09	5.79E-11	2.08E-10	2.66E-10	3.12E-11	9.63E-11	1.27E-10
7222	436603.8	3762786	3.721E-10	1.27E-09	1.64E-09	5.78E-11	2.07E-10	2.65E-10	3.11E-11	9.61E-11	1.27E-10
7223	436603.8	3762796	3.712E-10	1.27E-09	1.64E-09	5.77E-11	2.07E-10	2.64E-10	3.11E-11	9.59E-11	1.27E-10
7224	436603.8	3762806	3.702E-10	1.26E-09	1.63E-09	5.75E-11	2.06E-10	2.64E-10	3.10E-11	9.57E-11	1.27E-10
7225	436603.8	3762815	3.692E-10	1.26E-09	1.63E-09	5.74E-11	2.06E-10	2.63E-10	3.09E-11	9.54E-11	1.26E-10
7226	436603.8	3762825	3.679E-10	1.25E-09	1.62E-09	5.72E-11	2.05E-10	2.62E-10	3.08E-11	9.51E-11	1.26E-10
7227	436603.8	3762835	3.665E-10	1.25E-09	1.62E-09	5.70E-11	2.04E-10	2.61E-10	3.07E-11	9.47E-11	1.25E-10
7228	436603.8	3762844	3.65E-10	1.24E-09	1.61E-09	5.67E-11	2.03E-10	2.60E-10	3.06E-11	9.43E-11	1.25E-10
7229	436603.8	3762854	3.635E-10	1.24E-09	1.60E-09	5.65E-11	2.02E-10	2.59E-10	3.04E-11	9.39E-11	1.24E-10
7230	436574.9	3762672	3.434E-10	1.17E-09	1.51E-09	5.34E-11	1.91E-10	2.45E-10	2.87E-11	8.87E-11	1.17E-10
7231	436578.6	3762663	3.442E-10	1.17E-09	1.52E-09	5.35E-11	1.92E-10	2.45E-10	2.88E-11	8.89E-11	1.18E-10
7232	436582.3	3762654	3.449E-10	1.18E-09	1.52E-09	5.36E-11	1.92E-10	2.46E-10	2.89E-11	8.91E-11	1.18E-10
7233	436586	3762645	3.453E-10	1.18E-09	1.52E-09	5.37E-11	1.92E-10	2.46E-10	2.89E-11	8.92E-11	1.18E-10
7234	436589.6	3762636	3.455E-10	1.18E-09	1.52E-09	5.37E-11	1.92E-10	2.46E-10	2.89E-11	8.93E-11	1.18E-10
7235	436593.3	3762627	3.455E-10	1.18E-09	1.52E-09	5.37E-11	1.92E-10	2.46E-10	2.89E-11	8.93E-11	1.18E-10
7236	436597	3762618	3.453E-10	1.18E-09	1.52E-09	5.36E-11	1.92E-10	2.46E-10	2.89E-11	8.92E-11	1.18E-10
7237	436600.7	3762609	3.448E-10	1.18E-09	1.52E-09	5.36E-11	1.92E-10	2.46E-10	2.89E-11	8.91E-11	1.18E-10
7238	436604.4	3762600	3.441E-10	1.17E-09	1.52E-09	5.35E-11	1.92E-10	2.45E-10	2.88E-11	8.89E-11	1.18E-10
7239	436608.1	3762592	3.432E-10	1.17E-09	1.51E-09	5.33E-11	1.91E-10	2.45E-10	2.87E-11	8.87E-11	1.17E-10
7240	436611.8	3762583	3.422E-10	1.17E-09	1.51E-09	5.32E-11	1.91E-10	2.44E-10	2.86E-11	8.84E-11	1.17E-10
7241	436615.5	3762574	3.409E-10	1.16E-09	1.50E-09	5.30E-11	1.90E-10	2.43E-10	2.85E-11	8.81E-11	1.17E-10
7242	436619.2	3762565	3.395E-10	1.16E-09	1.50E-09	5.28E-11	1.89E-10	2.42E-10	2.84E-11	8.77E-11	1.16E-10
7243	436622.9	3762556	3.381E-10	1.15E-09	1.49E-09	5.25E-11	1.88E-10	2.41E-10	2.83E-11	8.74E-11	1.16E-10
7244	436626.6	3762547	3.366E-10	1.15E-09	1.48E-09	5.23E-11	1.87E-10	2.40E-10	2.82E-11	8.70E-11	1.15E-10
7245	436630.2	3762538	3.349E-10	1.14E-09	1.48E-09	5.20E-11	1.87E-10	2.39E-10	2.80E-11	8.65E-11	1.15E-10
7246	436633.9	3762529	3.332E-10	1.14E-09	1.47E-09	5.18E-11	1.86E-10	2.37E-10	2.79E-11	8.61E-11	1.14E-10
7247	436637.6	3762520	3.314E-10	1.13E-09	1.46E-09	5.15E-11	1.85E-10	2.36E-10	2.77E-11	8.56E-11	1.13E-10
7248	436641.3	3762511	3.294E-10	1.12E-09	1.45E-09	5.12E-11	1.83E-10	2.35E-10	2.76E-11	8.51E-11	1.13E-10
7249	436645	3762502	3.274E-10	1.12E-09	1.44E-09	5.09E-11	1.82E-10	2.33E-10	2.74E-11	8.46E-11	1.12E-10
7250	436648.7	3762493	3.253E-10	1.11E-09	1.43E-09	5.05E-11	1.81E-10	2.32E-10	2.72E-11	8.41E-11	1.11E-10
7251	436652.4	3762484	3.231E-10	1.10E-09	1.42E-09	5.02E-11	1.80E-10	2.30E-10	2.70E-11	8.35E-11	1.11E-10
7252	436667.2	3762448	3.14E-10	1.07E-09	1.38E-09	4.88E-11	1.75E-10	2.24E-10	2.63E-11	8.11E-11	1.07E-10
7253	436670.8	3762439	3.117E-10	1.06E-09	1.37E-09	4.84E-11	1.74E-10	2.22E-10	2.61E-11	8.05E-11	1.07E-10
7254	436674.5	3762430	3.094E-10	1.06E-09	1.36E-09	4.81E-11	1.72E-10	2.20E-10	2.59E-11	8.00E-11	1.06E-10
7255	436678.2	3762421	3.072E-10	1.05E-09	1.35E-09	4.77E-11	1.71E-10	2.19E-10	2.57E-11	7.94E-11	1.05E-10

7256	436681.9	3762412	3.052E-10	1.04E-09	1.35E-09	4.74E-11	1.70E-10	2.17E-10	2.55E-11	7.89E-11	1.04E-10
7257	436685.6	3762404	3.033E-10	1.03E-09	1.34E-09	4.71E-11	1.69E-10	2.16E-10	2.54E-11	7.84E-11	1.04E-10
7258	436689.3	3762395	3.013E-10	1.03E-09	1.33E-09	4.68E-11	1.68E-10	2.15E-10	2.52E-11	7.79E-11	1.03E-10
7259	436693	3762386	2.994E-10	1.02E-09	1.32E-09	4.65E-11	1.67E-10	2.13E-10	2.51E-11	7.74E-11	1.02E-10
7260	436707.8	3762350	2.919E-10	9.95E-10	1.29E-09	4.53E-11	1.63E-10	2.08E-10	2.44E-11	7.54E-11	9.98E-11
7261	436711.4	3762341	2.899E-10	9.88E-10	1.28E-09	4.50E-11	1.61E-10	2.07E-10	2.43E-11	7.49E-11	9.92E-11
7262	436715.1	3762332	2.878E-10	9.81E-10	1.27E-09	4.47E-11	1.60E-10	2.05E-10	2.41E-11	7.44E-11	9.85E-11
7263	436718.8	3762323	2.858E-10	9.74E-10	1.26E-09	4.44E-11	1.59E-10	2.04E-10	2.39E-11	7.38E-11	9.78E-11
7264	436722.5	3762314	2.838E-10	9.68E-10	1.25E-09	4.41E-11	1.58E-10	2.02E-10	2.38E-11	7.33E-11	9.71E-11
7265	436726.2	3762305	2.817E-10	9.61E-10	1.24E-09	4.38E-11	1.57E-10	2.01E-10	2.36E-11	7.28E-11	9.64E-11
7266	436729.9	3762296	2.798E-10	9.54E-10	1.23E-09	4.35E-11	1.56E-10	1.99E-10	2.34E-11	7.23E-11	9.57E-11
7267	436733.6	3762287	2.779E-10	9.48E-10	1.23E-09	4.32E-11	1.55E-10	1.98E-10	2.33E-11	7.18E-11	9.51E-11
7268	436737.3	3762278	2.76E-10	9.41E-10	1.22E-09	4.29E-11	1.54E-10	1.97E-10	2.31E-11	7.13E-11	9.44E-11
7269	436741	3762269	2.74E-10	9.34E-10	1.21E-09	4.26E-11	1.53E-10	1.95E-10	2.29E-11	7.08E-11	9.37E-11
7270	436744.7	3762260	2.719E-10	9.27E-10	1.20E-09	4.23E-11	1.51E-10	1.94E-10	2.28E-11	7.03E-11	9.30E-11
7271	436748.4	3762251	2.699E-10	9.20E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.97E-11	9.23E-11
7272	436792.7	3762144	2.433E-10	8.30E-10	1.07E-09	3.78E-11	1.36E-10	1.73E-10	2.04E-11	6.29E-11	8.32E-11
7273	436805.3	3762131	2.421E-10	8.26E-10	1.07E-09	3.76E-11	1.35E-10	1.72E-10	2.03E-11	6.26E-11	8.28E-11
7274	436832.1	3762120	2.455E-10	8.37E-10	1.08E-09	3.81E-11	1.37E-10	1.75E-10	2.05E-11	6.34E-11	8.40E-11
7275	436841	3762116	2.465E-10	8.41E-10	1.09E-09	3.83E-11	1.37E-10	1.76E-10	2.06E-11	6.37E-11	8.43E-11
7276	436849.9	3762113	2.474E-10	8.44E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.39E-11	8.46E-11
7277	436858.8	3762109	2.483E-10	8.47E-10	1.10E-09	3.86E-11	1.38E-10	1.77E-10	2.08E-11	6.42E-11	8.50E-11
7278	436867.8	3762105	2.492E-10	8.50E-10	1.10E-09	3.87E-11	1.39E-10	1.78E-10	2.09E-11	6.44E-11	8.52E-11
7279	436876.7	3762101	2.5E-10	8.53E-10	1.10E-09	3.89E-11	1.39E-10	1.78E-10	2.09E-11	6.46E-11	8.55E-11
7280	436885.6	3762098	2.508E-10	8.55E-10	1.11E-09	3.90E-11	1.40E-10	1.79E-10	2.10E-11	6.48E-11	8.58E-11
7281	437162.4	3761981	2.311E-10	7.88E-10	1.02E-09	3.59E-11	1.29E-10	1.65E-10	1.93E-11	5.97E-11	7.90E-11
7282	437171.3	3761978	2.297E-10	7.83E-10	1.01E-09	3.57E-11	1.28E-10	1.64E-10	1.92E-11	5.94E-11	7.86E-11
7283	437180.2	3761974	2.283E-10	7.78E-10	1.01E-09	3.55E-11	1.27E-10	1.63E-10	1.91E-11	5.90E-11	7.81E-11
7284	437189.1	3761970	2.27E-10	7.74E-10	1.00E-09	3.53E-11	1.26E-10	1.62E-10	1.90E-11	5.86E-11	7.76E-11
7285	437198.1	3761966	2.256E-10	7.69E-10	9.95E-10	3.51E-11	1.26E-10	1.61E-10	1.89E-11	5.83E-11	7.72E-11
7286	437207	3761963	2.243E-10	7.65E-10	9.89E-10	3.48E-11	1.25E-10	1.60E-10	1.88E-11	5.79E-11	7.67E-11
7287	437215.9	3761959	2.23E-10	7.60E-10	9.83E-10	3.46E-11	1.24E-10	1.59E-10	1.87E-11	5.76E-11	7.63E-11
7288	437224.9	3761955	2.216E-10	7.56E-10	9.77E-10	3.44E-11	1.23E-10	1.58E-10	1.86E-11	5.73E-11	7.58E-11
7289	437233.8	3761951	2.203E-10	7.51E-10	9.71E-10	3.42E-11	1.23E-10	1.57E-10	1.84E-11	5.69E-11	7.54E-11
7290	437242.7	3761948	2.19E-10	7.47E-10	9.66E-10	3.40E-11	1.22E-10	1.56E-10	1.83E-11	5.66E-11	7.49E-11
7291	437251.6	3761944	2.178E-10	7.43E-10	9.61E-10	3.38E-11	1.21E-10	1.55E-10	1.82E-11	5.63E-11	7.45E-11
7292	437260.6	3761940	2.167E-10	7.39E-10	9.56E-10	3.37E-11	1.21E-10	1.54E-10	1.81E-11	5.60E-11	7.41E-11
7293	437269.5	3761936	2.155E-10	7.35E-10	9.51E-10	3.35E-11	1.20E-10	1.54E-10	1.80E-11	5.57E-11	7.37E-11
7294	437278.4	3761933	2.146E-10	7.32E-10	9.46E-10	3.33E-11	1.20E-10	1.53E-10	1.80E-11	5.54E-11	7.34E-11
7295	437287.3	3761929	2.136E-10	7.28E-10	9.42E-10	3.32E-11	1.19E-10	1.52E-10	1.79E-11	5.52E-11	7.31E-11
7296	437296.3	3761925	2.126E-10	7.25E-10	9.38E-10	3.30E-11	1.18E-10	1.51E-10	1.78E-11	5.49E-11	7.27E-11
7297	437305.2	3761921	2.117E-10	7.22E-10	9.34E-10	3.29E-11	1.18E-10	1.51E-10	1.77E-11	5.47E-11	7.24E-11
7298	437314.1	3761918	2.109E-10	7.19E-10	9.30E-10	3.28E-11	1.18E-10	1.50E-10	1.77E-11	5.45E-11	7.22E-11
7299	437323.1	3761914	2.102E-10	7.17E-10	9.27E-10	3.27E-11	1.17E-10	1.50E-10	1.76E-11	5.43E-11	7.19E-11
7300	437332	3761910	2.096E-10	7.15E-10	9.24E-10	3.26E-11	1.17E-10	1.49E-10	1.75E-11	5.42E-11	7.17E-11
7301	437340.9	3761906	2.09E-10	7.13E-10	9.22E-10	3.25E-11	1.16E-10	1.49E-10	1.75E-11	5.40E-11	7.15E-11
7302	437349.8	3761903	2.084E-10	7.11E-10	9.19E-10	3.24E-11	1.16E-10	1.48E-10	1.74E-11	5.38E-11	7.13E-11
7303	436527.4	3762690	3.145E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.63E-11	8.13E-11	1.08E-10
7304	436531.1	3762681	3.157E-10	1.08E-09	1.39E-09	4.91E-11	1.76E-10	2.25E-10	2.64E-11	8.16E-11	1.08E-10
7305	436534.7	3762672	3.169E-10	1.08E-09	1.40E-09	4.92E-11	1.77E-10	2.26E-10	2.65E-11	8.19E-11	1.08E-10
7306	436538.4	3762664	3.178E-10	1.08E-09	1.40E-09	4.94E-11	1.77E-10	2.26E-10	2.66E-11	8.21E-11	1.09E-10
7307	436542	3762655	3.185E-10	1.09E-09	1.40E-09	4.95E-11	1.77E-10	2.27E-10	2.67E-11	8.23E-11	1.09E-10
7308	436545.7	3762646	3.19E-10	1.09E-09	1.41E-09	4.96E-11	1.78E-10	2.27E-10	2.67E-11	8.24E-11	1.09E-10
7309	436549.3	3762637	3.193E-10	1.09E-09	1.41E-09	4.96E-11	1.78E-10	2.28E-10	2.67E-11	8.25E-11	1.09E-10
7310	436574.8	3762575	3.164E-10	1.08E-09	1.40E-09	4.92E-11	1.76E-10	2.25E-10	2.65E-11	8.17E-11	1.08E-10
7311	436578.5	3762566	3.152E-10	1.07E-09	1.39E-09	4.90E-11	1.76E-10	2.25E-10	2.64E-11	8.15E-11	1.08E-10
7312	436582.1	3762558	3.14E-10	1.07E-09	1.38E-09	4.88E-11	1.75E-10	2.24E-10	2.63E-11	8.11E-11	1.07E-10
7313	436585.8	3762549	3.128E-10	1.07E-09	1.38E-09	4.86E-11	1.74E-10	2.23E-10	2.62E-11	8.08E-11	1.07E-10
7314	436589.4	3762540	3.113E-10	1.06E-09	1.37E-09	4.84E-11	1.73E-10	2.22E-10	2.61E-11	8.04E-11	1.06E-10
7315	436593	3762531	3.099E-10	1.06E-09	1.37E-09	4.81E-11	1.73E-10	2.21E-10	2.59E-11	8.01E-11	1.06E-10
7316	436596.7	3762522	3.083E-10	1.05E-09	1.36E-09	4.79E-11	1.72E-10	2.20E-10	2.58E-11	7.97E-11	1.05E-10

7317	436600.3	3762513	3.067E-10	1.05E-09	1.35E-09	4.76E-11	1.71E-10	2.18E-10	2.57E-11	7.92E-11	1.05E-10
7318	436604	3762504	3.05E-10	1.04E-09	1.34E-09	4.74E-11	1.70E-10	2.17E-10	2.55E-11	7.88E-11	1.04E-10
7319	436607.6	3762496	3.032E-10	1.03E-09	1.34E-09	4.71E-11	1.69E-10	2.16E-10	2.54E-11	7.83E-11	1.04E-10
7320	436611.3	3762487	3.014E-10	1.03E-09	1.33E-09	4.68E-11	1.68E-10	2.15E-10	2.52E-11	7.79E-11	1.03E-10
7321	436629.5	3762443	2.919E-10	9.95E-10	1.29E-09	4.53E-11	1.63E-10	2.08E-10	2.44E-11	7.54E-11	9.98E-11
7322	436633.1	3762434	2.899E-10	9.88E-10	1.28E-09	4.50E-11	1.61E-10	2.07E-10	2.43E-11	7.49E-11	9.92E-11
7323	436636.8	3762425	2.878E-10	9.81E-10	1.27E-09	4.47E-11	1.60E-10	2.05E-10	2.41E-11	7.44E-11	9.85E-11
7324	436640.4	3762416	2.859E-10	9.75E-10	1.26E-09	4.44E-11	1.59E-10	2.04E-10	2.39E-11	7.39E-11	9.78E-11
7325	436644.1	3762407	2.841E-10	9.69E-10	1.25E-09	4.41E-11	1.58E-10	2.02E-10	2.38E-11	7.34E-11	9.72E-11
7326	436647.7	3762398	2.823E-10	9.63E-10	1.24E-09	4.39E-11	1.57E-10	2.01E-10	2.36E-11	7.29E-11	9.66E-11
7327	436651.4	3762390	2.805E-10	9.57E-10	1.24E-09	4.36E-11	1.56E-10	2.00E-10	2.35E-11	7.25E-11	9.60E-11
7328	436665.9	3762354	2.736E-10	9.33E-10	1.21E-09	4.25E-11	1.52E-10	1.95E-10	2.29E-11	7.07E-11	9.36E-11
7329	436669.6	3762345	2.719E-10	9.27E-10	1.20E-09	4.22E-11	1.51E-10	1.94E-10	2.28E-11	7.02E-11	9.30E-11
7330	436673.2	3762337	2.702E-10	9.21E-10	1.19E-09	4.20E-11	1.51E-10	1.92E-10	2.26E-11	6.98E-11	9.24E-11
7331	436676.9	3762328	2.685E-10	9.16E-10	1.18E-09	4.17E-11	1.50E-10	1.91E-10	2.25E-11	6.94E-11	9.19E-11
7332	436680.5	3762319	2.668E-10	9.10E-10	1.18E-09	4.15E-11	1.49E-10	1.90E-10	2.23E-11	6.89E-11	9.13E-11
7333	436684.2	3762310	2.651E-10	9.04E-10	1.17E-09	4.12E-11	1.48E-10	1.89E-10	2.22E-11	6.85E-11	9.07E-11
7334	436687.8	3762301	2.632E-10	8.98E-10	1.16E-09	4.09E-11	1.47E-10	1.88E-10	2.20E-11	6.80E-11	9.00E-11
7335	436691.4	3762292	2.615E-10	8.92E-10	1.15E-09	4.06E-11	1.46E-10	1.86E-10	2.19E-11	6.76E-11	8.95E-11
7336	436695.1	3762284	2.598E-10	8.86E-10	1.15E-09	4.04E-11	1.45E-10	1.85E-10	2.17E-11	6.71E-11	8.89E-11
7337	436698.7	3762275	2.581E-10	8.80E-10	1.14E-09	4.01E-11	1.44E-10	1.84E-10	2.16E-11	6.67E-11	8.83E-11
7338	436702.4	3762266	2.563E-10	8.74E-10	1.13E-09	3.98E-11	1.43E-10	1.83E-10	2.15E-11	6.62E-11	8.77E-11
7339	436706	3762257	2.544E-10	8.68E-10	1.12E-09	3.95E-11	1.42E-10	1.81E-10	2.13E-11	6.57E-11	8.70E-11
7340	436709.7	3762248	2.525E-10	8.61E-10	1.11E-09	3.92E-11	1.41E-10	1.80E-10	2.11E-11	6.53E-11	8.64E-11
7341	436713.3	3762239	2.508E-10	8.55E-10	1.11E-09	3.90E-11	1.40E-10	1.79E-10	2.10E-11	6.48E-11	8.58E-11
7342	436716.9	3762231	2.491E-10	8.50E-10	1.10E-09	3.87E-11	1.39E-10	1.77E-10	2.09E-11	6.44E-11	8.52E-11
7343	436720.6	3762222	2.475E-10	8.44E-10	1.09E-09	3.85E-11	1.38E-10	1.76E-10	2.07E-11	6.40E-11	8.47E-11
7344	436724.2	3762213	2.459E-10	8.38E-10	1.08E-09	3.82E-11	1.37E-10	1.75E-10	2.06E-11	6.35E-11	8.41E-11
7345	436727.9	3762204	2.442E-10	8.33E-10	1.08E-09	3.79E-11	1.36E-10	1.74E-10	2.04E-11	6.31E-11	8.35E-11
7346	436731.5	3762195	2.424E-10	8.27E-10	1.07E-09	3.77E-11	1.35E-10	1.73E-10	2.03E-11	6.26E-11	8.29E-11
7347	437067.6	3761981	2.245E-10	7.66E-10	9.90E-10	3.49E-11	1.25E-10	1.60E-10	1.88E-11	5.80E-11	7.68E-11
7348	437076.5	3761977	2.235E-10	7.62E-10	9.86E-10	3.47E-11	1.25E-10	1.59E-10	1.87E-11	5.78E-11	7.65E-11
7349	437085.3	3761974	2.225E-10	7.59E-10	9.81E-10	3.46E-11	1.24E-10	1.59E-10	1.86E-11	5.75E-11	7.61E-11
7350	437094.1	3761970	2.214E-10	7.55E-10	9.76E-10	3.44E-11	1.23E-10	1.58E-10	1.85E-11	5.72E-11	7.57E-11
7351	437102.9	3761966	2.201E-10	7.51E-10	9.71E-10	3.42E-11	1.23E-10	1.57E-10	1.84E-11	5.69E-11	7.53E-11
7352	437111.7	3761963	2.189E-10	7.46E-10	9.65E-10	3.40E-11	1.22E-10	1.56E-10	1.83E-11	5.66E-11	7.49E-11
7353	437120.5	3761959	2.176E-10	7.42E-10	9.60E-10	3.38E-11	1.21E-10	1.55E-10	1.82E-11	5.62E-11	7.44E-11
7354	437129.3	3761955	2.163E-10	7.38E-10	9.54E-10	3.36E-11	1.21E-10	1.54E-10	1.81E-11	5.59E-11	7.40E-11
7355	437138.2	3761951	2.151E-10	7.34E-10	9.49E-10	3.34E-11	1.20E-10	1.53E-10	1.80E-11	5.56E-11	7.36E-11
7356	437147	3761948	2.139E-10	7.29E-10	9.43E-10	3.32E-11	1.19E-10	1.52E-10	1.79E-11	5.53E-11	7.32E-11
7357	437155.8	3761944	2.127E-10	7.25E-10	9.38E-10	3.30E-11	1.18E-10	1.52E-10	1.78E-11	5.50E-11	7.28E-11
7358	437164.6	3761940	2.115E-10	7.21E-10	9.33E-10	3.29E-11	1.18E-10	1.51E-10	1.77E-11	5.47E-11	7.24E-11
7359	437173.4	3761937	2.104E-10	7.17E-10	9.28E-10	3.27E-11	1.17E-10	1.50E-10	1.76E-11	5.44E-11	7.20E-11
7360	437182.2	3761933	2.092E-10	7.13E-10	9.22E-10	3.25E-11	1.17E-10	1.49E-10	1.75E-11	5.40E-11	7.16E-11
7361	437191	3761929	2.08E-10	7.09E-10	9.17E-10	3.23E-11	1.16E-10	1.48E-10	1.74E-11	5.37E-11	7.11E-11
7362	437199.9	3761926	2.068E-10	7.05E-10	9.12E-10	3.21E-11	1.15E-10	1.47E-10	1.73E-11	5.34E-11	7.08E-11
7363	437208.7	3761922	2.056E-10	7.01E-10	9.07E-10	3.19E-11	1.15E-10	1.46E-10	1.72E-11	5.31E-11	7.03E-11
7364	437217.5	3761918	2.046E-10	6.98E-10	9.02E-10	3.18E-11	1.14E-10	1.46E-10	1.71E-11	5.29E-11	7.00E-11
7365	437226.3	3761914	2.034E-10	6.94E-10	8.97E-10	3.16E-11	1.13E-10	1.45E-10	1.70E-11	5.26E-11	6.96E-11
7366	437235.1	3761911	2.024E-10	6.90E-10	8.92E-10	3.14E-11	1.13E-10	1.44E-10	1.69E-11	5.23E-11	6.92E-11
7367	437243.9	3761907	2.013E-10	6.86E-10	8.88E-10	3.13E-11	1.12E-10	1.43E-10	1.68E-11	5.20E-11	6.89E-11
7368	437252.7	3761903	2.004E-10	6.83E-10	8.84E-10	3.11E-11	1.12E-10	1.43E-10	1.68E-11	5.18E-11	6.85E-11
7369	437261.6	3761900	1.995E-10	6.80E-10	8.80E-10	3.10E-11	1.11E-10	1.42E-10	1.67E-11	5.15E-11	6.82E-11
7370	437270.4	3761896	1.986E-10	6.77E-10	8.76E-10	3.09E-11	1.11E-10	1.41E-10	1.66E-11	5.13E-11	6.79E-11
7371	437279.2	3761892	1.978E-10	6.75E-10	8.72E-10	3.07E-11	1.10E-10	1.41E-10	1.66E-11	5.11E-11	6.77E-11
7372	436523.8	3762699	3.13E-10	1.07E-09	1.38E-09	4.86E-11	1.74E-10	2.23E-10	2.62E-11	8.09E-11	1.07E-10
7373	436523.8	3762709	3.137E-10	1.07E-09	1.38E-09	4.87E-11	1.75E-10	2.24E-10	2.63E-11	8.11E-11	1.07E-10
7374	436523.8	3762718	3.142E-10	1.07E-09	1.39E-09	4.88E-11	1.75E-10	2.24E-10	2.63E-11	8.12E-11	1.07E-10
7375	436523.8	3762728	3.146E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.63E-11	8.13E-11	1.08E-10
7376	436523.8	3762738	3.148E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.63E-11	8.13E-11	1.08E-10
7377	436523.8	3762747	3.149E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.64E-11	8.14E-11	1.08E-10

7378	436523.8	3762757	3.147E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.63E-11	8.13E-11	1.08E-10
7379	436523.8	3762767	3.144E-10	1.07E-09	1.39E-09	4.88E-11	1.75E-10	2.24E-10	2.63E-11	8.12E-11	1.08E-10
7380	436523.8	3762776	3.14E-10	1.07E-09	1.38E-09	4.88E-11	1.75E-10	2.24E-10	2.63E-11	8.11E-11	1.07E-10
7381	436523.8	3762786	3.133E-10	1.07E-09	1.38E-09	4.87E-11	1.75E-10	2.23E-10	2.62E-11	8.10E-11	1.07E-10
7382	436523.8	3762796	3.127E-10	1.07E-09	1.38E-09	4.86E-11	1.74E-10	2.23E-10	2.62E-11	8.08E-11	1.07E-10
7383	436523.8	3762806	3.118E-10	1.06E-09	1.38E-09	4.85E-11	1.74E-10	2.22E-10	2.61E-11	8.06E-11	1.07E-10
7384	436523.8	3762815	3.109E-10	1.06E-09	1.37E-09	4.83E-11	1.73E-10	2.22E-10	2.60E-11	8.03E-11	1.06E-10
7385	436523.8	3762825	3.099E-10	1.06E-09	1.37E-09	4.82E-11	1.73E-10	2.21E-10	2.59E-11	8.01E-11	1.06E-10
7386	436523.8	3762835	3.088E-10	1.05E-09	1.36E-09	4.80E-11	1.72E-10	2.20E-10	2.58E-11	7.98E-11	1.06E-10
7387	436523.8	3762844	3.077E-10	1.05E-09	1.36E-09	4.78E-11	1.71E-10	2.19E-10	2.58E-11	7.95E-11	1.05E-10
7388	436523.8	3762854	3.064E-10	1.05E-09	1.35E-09	4.76E-11	1.71E-10	2.18E-10	2.56E-11	7.92E-11	1.05E-10
7389	436487.5	3762690	2.912E-10	9.93E-10	1.28E-09	4.52E-11	1.62E-10	2.07E-10	2.44E-11	7.52E-11	9.96E-11
7390	436491.1	3762681	2.924E-10	9.97E-10	1.29E-09	4.54E-11	1.63E-10	2.08E-10	2.45E-11	7.56E-11	1.00E-10
7391	436494.8	3762672	2.935E-10	1.00E-09	1.29E-09	4.56E-11	1.63E-10	2.09E-10	2.46E-11	7.58E-11	1.00E-10
7392	436498.4	3762663	2.943E-10	1.00E-09	1.30E-09	4.57E-11	1.64E-10	2.10E-10	2.46E-11	7.60E-11	1.01E-10
7393	436502.1	3762655	2.951E-10	1.01E-09	1.30E-09	4.59E-11	1.64E-10	2.10E-10	2.47E-11	7.63E-11	1.01E-10
7394	436505.7	3762646	2.957E-10	1.01E-09	1.30E-09	4.59E-11	1.65E-10	2.11E-10	2.47E-11	7.64E-11	1.01E-10
7395	436509.4	3762637	2.961E-10	1.01E-09	1.31E-09	4.60E-11	1.65E-10	2.11E-10	2.48E-11	7.65E-11	1.01E-10
7396	436513	3762628	2.963E-10	1.01E-09	1.31E-09	4.60E-11	1.65E-10	2.11E-10	2.48E-11	7.66E-11	1.01E-10
7397	436516.7	3762619	2.965E-10	1.01E-09	1.31E-09	4.61E-11	1.65E-10	2.11E-10	2.48E-11	7.66E-11	1.01E-10
7398	436520.3	3762610	2.964E-10	1.01E-09	1.31E-09	4.61E-11	1.65E-10	2.11E-10	2.48E-11	7.66E-11	1.01E-10
7399	436524	3762601	2.961E-10	1.01E-09	1.31E-09	4.60E-11	1.65E-10	2.11E-10	2.48E-11	7.65E-11	1.01E-10
7400	436527.7	3762593	2.958E-10	1.01E-09	1.30E-09	4.60E-11	1.65E-10	2.11E-10	2.48E-11	7.64E-11	1.01E-10
7401	436531.3	3762584	2.953E-10	1.01E-09	1.30E-09	4.59E-11	1.64E-10	2.10E-10	2.47E-11	7.63E-11	1.01E-10
7402	436535	3762575	2.945E-10	1.00E-09	1.30E-09	4.58E-11	1.64E-10	2.10E-10	2.47E-11	7.61E-11	1.01E-10
7403	436538.6	3762566	2.937E-10	1.00E-09	1.30E-09	4.56E-11	1.64E-10	2.09E-10	2.46E-11	7.59E-11	1.00E-10
7404	436542.3	3762557	2.927E-10	9.98E-10	1.29E-09	4.55E-11	1.63E-10	2.09E-10	2.45E-11	7.56E-11	1.00E-10
7405	436545.9	3762548	2.916E-10	9.94E-10	1.29E-09	4.53E-11	1.62E-10	2.08E-10	2.44E-11	7.54E-11	9.98E-11
7406	436549.6	3762539	2.904E-10	9.90E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.50E-11	9.93E-11
7407	436589.8	3762442	2.728E-10	9.30E-10	1.20E-09	4.24E-11	1.52E-10	1.94E-10	2.28E-11	7.05E-11	9.33E-11
7408	436593.4	3762433	2.71E-10	9.24E-10	1.20E-09	4.21E-11	1.51E-10	1.93E-10	2.27E-11	7.00E-11	9.27E-11
7409	436597.1	3762424	2.693E-10	9.18E-10	1.19E-09	4.18E-11	1.50E-10	1.92E-10	2.25E-11	6.96E-11	9.21E-11
7410	436600.7	3762415	2.676E-10	9.12E-10	1.18E-09	4.16E-11	1.49E-10	1.91E-10	2.24E-11	6.91E-11	9.15E-11
7411	436604.4	3762406	2.659E-10	9.07E-10	1.17E-09	4.13E-11	1.48E-10	1.89E-10	2.23E-11	6.87E-11	9.10E-11
7412	436608	3762398	2.643E-10	9.01E-10	1.17E-09	4.11E-11	1.47E-10	1.88E-10	2.21E-11	6.83E-11	9.04E-11
7413	436611.7	3762389	2.627E-10	8.96E-10	1.16E-09	4.08E-11	1.46E-10	1.87E-10	2.20E-11	6.79E-11	8.99E-11
7414	436626.3	3762353	2.561E-10	8.73E-10	1.13E-09	3.98E-11	1.43E-10	1.82E-10	2.14E-11	6.62E-11	8.76E-11
7415	436630	3762344	2.544E-10	8.68E-10	1.12E-09	3.95E-11	1.42E-10	1.81E-10	2.13E-11	6.57E-11	8.70E-11
7416	436633.6	3762336	2.528E-10	8.62E-10	1.11E-09	3.93E-11	1.41E-10	1.80E-10	2.12E-11	6.53E-11	8.65E-11
7417	436637.3	3762327	2.513E-10	8.57E-10	1.11E-09	3.90E-11	1.40E-10	1.79E-10	2.10E-11	6.49E-11	8.60E-11
7418	436640.9	3762318	2.497E-10	8.51E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.45E-11	8.54E-11
7419	436644.6	3762309	2.482E-10	8.46E-10	1.09E-09	3.86E-11	1.38E-10	1.77E-10	2.08E-11	6.41E-11	8.49E-11
7420	436648.2	3762300	2.467E-10	8.41E-10	1.09E-09	3.83E-11	1.37E-10	1.76E-10	2.07E-11	6.37E-11	8.44E-11
7421	436651.9	3762291	2.452E-10	8.36E-10	1.08E-09	3.81E-11	1.37E-10	1.75E-10	2.05E-11	6.34E-11	8.39E-11
7422	436655.6	3762282	2.437E-10	8.31E-10	1.07E-09	3.79E-11	1.36E-10	1.74E-10	2.04E-11	6.30E-11	8.34E-11
7423	436659.2	3762274	2.423E-10	8.26E-10	1.07E-09	3.77E-11	1.35E-10	1.73E-10	2.03E-11	6.26E-11	8.29E-11
7424	436662.9	3762265	2.408E-10	8.21E-10	1.06E-09	3.74E-11	1.34E-10	1.72E-10	2.02E-11	6.22E-11	8.24E-11
7425	436666.5	3762256	2.392E-10	8.16E-10	1.05E-09	3.72E-11	1.33E-10	1.70E-10	2.00E-11	6.18E-11	8.18E-11
7426	436670.2	3762247	2.376E-10	8.10E-10	1.05E-09	3.69E-11	1.32E-10	1.69E-10	1.99E-11	6.14E-11	8.13E-11
7427	436673.8	3762238	2.359E-10	8.05E-10	1.04E-09	3.67E-11	1.31E-10	1.68E-10	1.97E-11	6.10E-11	8.07E-11
7428	436677.5	3762229	2.344E-10	7.99E-10	1.03E-09	3.64E-11	1.31E-10	1.67E-10	1.96E-11	6.06E-11	8.02E-11
7429	436681.1	3762220	2.329E-10	7.94E-10	1.03E-09	3.62E-11	1.30E-10	1.66E-10	1.95E-11	6.02E-11	7.97E-11
7430	436684.8	3762212	2.313E-10	7.89E-10	1.02E-09	3.59E-11	1.29E-10	1.65E-10	1.94E-11	5.98E-11	7.91E-11
7431	436688.4	3762203	2.299E-10	7.84E-10	1.01E-09	3.57E-11	1.28E-10	1.64E-10	1.92E-11	5.94E-11	7.87E-11
7432	436978.2	3761978	2.136E-10	7.28E-10	9.42E-10	3.32E-11	1.19E-10	1.52E-10	1.79E-11	5.52E-11	7.31E-11
7433	436987.1	3761975	2.13E-10	7.26E-10	9.39E-10	3.31E-11	1.19E-10	1.52E-10	1.78E-11	5.50E-11	7.29E-11
7434	436995.9	3761971	2.125E-10	7.25E-10	9.37E-10	3.30E-11	1.18E-10	1.51E-10	1.78E-11	5.49E-11	7.27E-11
7435	437004.7	3761967	2.12E-10	7.23E-10	9.35E-10	3.29E-11	1.18E-10	1.51E-10	1.77E-11	5.48E-11	7.25E-11
7436	437013.6	3761964	2.115E-10	7.21E-10	9.33E-10	3.29E-11	1.18E-10	1.51E-10	1.77E-11	5.47E-11	7.24E-11
7437	437022.4	3761960	2.11E-10	7.20E-10	9.31E-10	3.28E-11	1.18E-10	1.50E-10	1.77E-11	5.45E-11	7.22E-11
7438	437031.3	3761956	2.104E-10	7.17E-10	9.28E-10	3.27E-11	1.17E-10	1.50E-10	1.76E-11	5.44E-11	7.20E-11

7439	437040.1	3761952	2.097E-10	7.15E-10	9.25E-10	3.26E-11	1.17E-10	1.49E-10	1.76E-11	5.42E-11	7.17E-11
7440	437048.9	3761949	2.089E-10	7.12E-10	9.21E-10	3.25E-11	1.16E-10	1.49E-10	1.75E-11	5.40E-11	7.15E-11
7441	437057.8	3761945	2.08E-10	7.09E-10	9.17E-10	3.23E-11	1.16E-10	1.48E-10	1.74E-11	5.38E-11	7.12E-11
7442	437066.6	3761941	2.071E-10	7.06E-10	9.13E-10	3.22E-11	1.15E-10	1.48E-10	1.73E-11	5.35E-11	7.09E-11
7443	437075.4	3761938	2.06E-10	7.03E-10	9.09E-10	3.20E-11	1.15E-10	1.47E-10	1.72E-11	5.32E-11	7.05E-11
7444	437084.3	3761934	2.049E-10	6.99E-10	9.04E-10	3.18E-11	1.14E-10	1.46E-10	1.72E-11	5.29E-11	7.01E-11
7445	437093.1	3761930	2.038E-10	6.95E-10	8.99E-10	3.17E-11	1.14E-10	1.45E-10	1.71E-11	5.27E-11	6.97E-11
7446	437102	3761927	2.026E-10	6.91E-10	8.94E-10	3.15E-11	1.13E-10	1.44E-10	1.70E-11	5.24E-11	6.93E-11
7447	437110.8	3761923	2.016E-10	6.87E-10	8.89E-10	3.13E-11	1.12E-10	1.44E-10	1.69E-11	5.21E-11	6.90E-11
7448	437119.6	3761919	2.005E-10	6.84E-10	8.84E-10	3.11E-11	1.12E-10	1.43E-10	1.68E-11	5.18E-11	6.86E-11
7449	437128.5	3761915	1.994E-10	6.80E-10	8.79E-10	3.10E-11	1.11E-10	1.42E-10	1.67E-11	5.15E-11	6.82E-11
7450	437137.3	3761912	1.983E-10	6.76E-10	8.75E-10	3.08E-11	1.10E-10	1.41E-10	1.66E-11	5.12E-11	6.78E-11
7451	437146.1	3761908	1.973E-10	6.73E-10	8.70E-10	3.07E-11	1.10E-10	1.41E-10	1.65E-11	5.10E-11	6.75E-11
7452	437155	3761904	1.961E-10	6.69E-10	8.65E-10	3.05E-11	1.09E-10	1.40E-10	1.64E-11	5.07E-11	6.71E-11
7453	437163.8	3761901	1.951E-10	6.65E-10	8.60E-10	3.03E-11	1.09E-10	1.39E-10	1.63E-11	5.04E-11	6.67E-11
7454	437172.7	3761897	1.939E-10	6.61E-10	8.55E-10	3.01E-11	1.08E-10	1.38E-10	1.62E-11	5.01E-11	6.63E-11
7455	437181.5	3761893	1.929E-10	6.58E-10	8.51E-10	3.00E-11	1.07E-10	1.37E-10	1.61E-11	4.98E-11	6.60E-11
7456	437190.3	3761889	1.919E-10	6.54E-10	8.46E-10	2.98E-11	1.07E-10	1.37E-10	1.61E-11	4.96E-11	6.56E-11
7457	436483.8	3762699	2.899E-10	9.88E-10	1.28E-09	4.50E-11	1.61E-10	2.07E-10	2.43E-11	7.49E-11	9.92E-11
7458	436483.8	3762709	2.904E-10	9.90E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.50E-11	9.94E-11
7459	436483.8	3762718	2.909E-10	9.92E-10	1.28E-09	4.52E-11	1.62E-10	2.07E-10	2.43E-11	7.52E-11	9.95E-11
7460	436483.8	3762728	2.91E-10	9.92E-10	1.28E-09	4.52E-11	1.62E-10	2.07E-10	2.44E-11	7.52E-11	9.95E-11
7461	436483.8	3762738	2.911E-10	9.93E-10	1.28E-09	4.52E-11	1.62E-10	2.07E-10	2.44E-11	7.52E-11	9.96E-11
7462	436483.8	3762747	2.91E-10	9.92E-10	1.28E-09	4.52E-11	1.62E-10	2.07E-10	2.44E-11	7.52E-11	9.95E-11
7463	436483.8	3762757	2.908E-10	9.92E-10	1.28E-09	4.52E-11	1.62E-10	2.07E-10	2.43E-11	7.51E-11	9.95E-11
7464	436483.8	3762767	2.904E-10	9.90E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.50E-11	9.94E-11
7465	436483.8	3762776	2.9E-10	9.89E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.49E-11	9.92E-11
7466	436483.8	3762786	2.894E-10	9.87E-10	1.28E-09	4.50E-11	1.61E-10	2.06E-10	2.42E-11	7.48E-11	9.90E-11
7467	436483.8	3762796	2.888E-10	9.85E-10	1.27E-09	4.49E-11	1.61E-10	2.06E-10	2.42E-11	7.46E-11	9.88E-11
7468	436483.8	3762806	2.881E-10	9.82E-10	1.27E-09	4.48E-11	1.60E-10	2.05E-10	2.41E-11	7.44E-11	9.86E-11
7469	436483.8	3762815	2.873E-10	9.80E-10	1.27E-09	4.46E-11	1.60E-10	2.05E-10	2.40E-11	7.42E-11	9.83E-11
7470	436483.8	3762825	2.864E-10	9.77E-10	1.26E-09	4.45E-11	1.60E-10	2.04E-10	2.40E-11	7.40E-11	9.80E-11
7471	436483.8	3762835	2.855E-10	9.73E-10	1.26E-09	4.44E-11	1.59E-10	2.03E-10	2.39E-11	7.38E-11	9.77E-11
7472	436483.8	3762844	2.844E-10	9.70E-10	1.25E-09	4.42E-11	1.58E-10	2.03E-10	2.38E-11	7.35E-11	9.73E-11
7473	436483.8	3762854	2.834E-10	9.66E-10	1.25E-09	4.40E-11	1.58E-10	2.02E-10	2.37E-11	7.32E-11	9.69E-11
7474	436447.5	3762690	2.707E-10	9.23E-10	1.19E-09	4.21E-11	1.51E-10	1.93E-10	2.27E-11	6.99E-11	9.26E-11
7475	436451.1	3762681	2.718E-10	9.27E-10	1.20E-09	4.22E-11	1.51E-10	1.94E-10	2.28E-11	7.02E-11	9.30E-11
7476	436454.8	3762672	2.728E-10	9.30E-10	1.20E-09	4.24E-11	1.52E-10	1.94E-10	2.28E-11	7.05E-11	9.33E-11
7477	436458.5	3762663	2.737E-10	9.33E-10	1.21E-09	4.25E-11	1.52E-10	1.95E-10	2.29E-11	7.07E-11	9.36E-11
7478	436462.1	3762654	2.744E-10	9.36E-10	1.21E-09	4.26E-11	1.53E-10	1.96E-10	2.30E-11	7.09E-11	9.39E-11
7479	436465.8	3762646	2.75E-10	9.38E-10	1.21E-09	4.27E-11	1.53E-10	1.96E-10	2.30E-11	7.11E-11	9.41E-11
7480	436469.4	3762637	2.755E-10	9.39E-10	1.21E-09	4.28E-11	1.53E-10	1.96E-10	2.31E-11	7.12E-11	9.42E-11
7481	436473.1	3762628	2.758E-10	9.40E-10	1.22E-09	4.28E-11	1.54E-10	1.96E-10	2.31E-11	7.13E-11	9.43E-11
7482	436476.8	3762619	2.76E-10	9.41E-10	1.22E-09	4.29E-11	1.54E-10	1.97E-10	2.31E-11	7.13E-11	9.44E-11
7483	436480.4	3762610	2.761E-10	9.41E-10	1.22E-09	4.29E-11	1.54E-10	1.97E-10	2.31E-11	7.13E-11	9.44E-11
7484	436484.1	3762601	2.76E-10	9.41E-10	1.22E-09	4.29E-11	1.54E-10	1.97E-10	2.31E-11	7.13E-11	9.44E-11
7485	436487.8	3762592	2.757E-10	9.40E-10	1.22E-09	4.28E-11	1.54E-10	1.96E-10	2.31E-11	7.12E-11	9.43E-11
7486	436491.4	3762583	2.753E-10	9.39E-10	1.21E-09	4.28E-11	1.53E-10	1.96E-10	2.30E-11	7.11E-11	9.42E-11
7487	436495.1	3762575	2.748E-10	9.37E-10	1.21E-09	4.27E-11	1.53E-10	1.96E-10	2.30E-11	7.10E-11	9.40E-11
7488	436498.8	3762566	2.742E-10	9.35E-10	1.21E-09	4.26E-11	1.53E-10	1.95E-10	2.30E-11	7.09E-11	9.38E-11
7489	436502.4	3762557	2.734E-10	9.32E-10	1.21E-09	4.25E-11	1.52E-10	1.95E-10	2.29E-11	7.07E-11	9.35E-11
7490	436506.1	3762548	2.726E-10	9.29E-10	1.20E-09	4.24E-11	1.52E-10	1.94E-10	2.28E-11	7.04E-11	9.32E-11
7491	436509.7	3762539	2.716E-10	9.26E-10	1.20E-09	4.22E-11	1.51E-10	1.93E-10	2.27E-11	7.02E-11	9.29E-11
7492	436513.4	3762530	2.705E-10	9.22E-10	1.19E-09	4.20E-11	1.51E-10	1.93E-10	2.26E-11	6.99E-11	9.25E-11
7493	436517.1	3762521	2.693E-10	9.18E-10	1.19E-09	4.18E-11	1.50E-10	1.92E-10	2.25E-11	6.96E-11	9.21E-11
7494	436520.7	3762512	2.68E-10	9.14E-10	1.18E-09	4.16E-11	1.49E-10	1.91E-10	2.24E-11	6.92E-11	9.17E-11
7495	436524.4	3762503	2.666E-10	9.09E-10	1.18E-09	4.14E-11	1.48E-10	1.90E-10	2.23E-11	6.89E-11	9.12E-11
7496	436528.1	3762495	2.651E-10	9.04E-10	1.17E-09	4.12E-11	1.48E-10	1.89E-10	2.22E-11	6.85E-11	9.07E-11
7497	436531.7	3762486	2.634E-10	8.98E-10	1.16E-09	4.09E-11	1.47E-10	1.88E-10	2.21E-11	6.81E-11	9.01E-11
7498	436535.4	3762477	2.619E-10	8.93E-10	1.15E-09	4.07E-11	1.46E-10	1.87E-10	2.19E-11	6.77E-11	8.96E-11
7499	436539	3762468	2.603E-10	8.87E-10	1.15E-09	4.04E-11	1.45E-10	1.85E-10	2.18E-11	6.72E-11	8.90E-11

7500	436542.7	3762459	2.587E-10	8.82E-10	1.14E-09	4.02E-11	1.44E-10	1.84E-10	2.17E-11	6.68E-11	8.85E-11
7501	436546.4	3762450	2.571E-10	8.77E-10	1.13E-09	3.99E-11	1.43E-10	1.83E-10	2.15E-11	6.64E-11	8.79E-11
7502	436583	3762361	2.418E-10	8.24E-10	1.07E-09	3.76E-11	1.35E-10	1.72E-10	2.02E-11	6.25E-11	8.27E-11
7503	436586.7	3762352	2.403E-10	8.19E-10	1.06E-09	3.73E-11	1.34E-10	1.71E-10	2.01E-11	6.21E-11	8.22E-11
7504	436590.3	3762344	2.388E-10	8.14E-10	1.05E-09	3.71E-11	1.33E-10	1.70E-10	2.00E-11	6.17E-11	8.17E-11
7505	436594	3762335	2.373E-10	8.09E-10	1.05E-09	3.69E-11	1.32E-10	1.69E-10	1.99E-11	6.13E-11	8.12E-11
7506	436597.7	3762326	2.359E-10	8.04E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.09E-11	8.07E-11
7507	436601.3	3762317	2.345E-10	7.99E-10	1.03E-09	3.64E-11	1.31E-10	1.67E-10	1.96E-11	6.06E-11	8.02E-11
7508	436605	3762308	2.331E-10	7.95E-10	1.03E-09	3.62E-11	1.30E-10	1.66E-10	1.95E-11	6.02E-11	7.97E-11
7509	436608.7	3762299	2.317E-10	7.90E-10	1.02E-09	3.60E-11	1.29E-10	1.65E-10	1.94E-11	5.99E-11	7.93E-11
7510	436612.3	3762290	2.304E-10	7.85E-10	1.02E-09	3.58E-11	1.28E-10	1.64E-10	1.93E-11	5.95E-11	7.88E-11
7511	436616	3762281	2.291E-10	7.81E-10	1.01E-09	3.56E-11	1.28E-10	1.63E-10	1.92E-11	5.92E-11	7.84E-11
7512	436619.6	3762273	2.277E-10	7.77E-10	1.00E-09	3.54E-11	1.27E-10	1.62E-10	1.91E-11	5.88E-11	7.79E-11
7513	436623.3	3762264	2.265E-10	7.72E-10	9.99E-10	3.52E-11	1.26E-10	1.61E-10	1.90E-11	5.85E-11	7.75E-11
7514	436627	3762255	2.252E-10	7.68E-10	9.93E-10	3.50E-11	1.25E-10	1.60E-10	1.88E-11	5.82E-11	7.70E-11
7515	436630.6	3762246	2.239E-10	7.63E-10	9.87E-10	3.48E-11	1.25E-10	1.60E-10	1.87E-11	5.79E-11	7.66E-11
7516	436634.3	3762237	2.226E-10	7.59E-10	9.81E-10	3.46E-11	1.24E-10	1.59E-10	1.86E-11	5.75E-11	7.61E-11
7517	436638	3762228	2.214E-10	7.55E-10	9.76E-10	3.44E-11	1.23E-10	1.58E-10	1.85E-11	5.72E-11	7.57E-11
7518	436641.6	3762219	2.201E-10	7.50E-10	9.71E-10	3.42E-11	1.23E-10	1.57E-10	1.84E-11	5.69E-11	7.53E-11
7519	436645.3	3762210	2.187E-10	7.46E-10	9.65E-10	3.40E-11	1.22E-10	1.56E-10	1.83E-11	5.65E-11	7.48E-11
7520	436648.9	3762201	2.174E-10	7.41E-10	9.59E-10	3.38E-11	1.21E-10	1.55E-10	1.82E-11	5.62E-11	7.44E-11
7521	436652.6	3762193	2.161E-10	7.37E-10	9.53E-10	3.36E-11	1.20E-10	1.54E-10	1.81E-11	5.58E-11	7.39E-11
7522	436656.3	3762184	2.148E-10	7.33E-10	9.47E-10	3.34E-11	1.20E-10	1.53E-10	1.80E-11	5.55E-11	7.35E-11
7523	436659.9	3762175	2.135E-10	7.28E-10	9.41E-10	3.32E-11	1.19E-10	1.52E-10	1.79E-11	5.52E-11	7.30E-11
7524	436663.6	3762166	2.121E-10	7.23E-10	9.36E-10	3.30E-11	1.18E-10	1.51E-10	1.78E-11	5.48E-11	7.26E-11
7525	436667.3	3762157	2.108E-10	7.19E-10	9.30E-10	3.28E-11	1.17E-10	1.50E-10	1.76E-11	5.45E-11	7.21E-11
7526	436670.9	3762148	2.094E-10	7.14E-10	9.24E-10	3.25E-11	1.17E-10	1.49E-10	1.75E-11	5.41E-11	7.16E-11
7527	436674.6	3762139	2.081E-10	7.10E-10	9.18E-10	3.23E-11	1.16E-10	1.48E-10	1.74E-11	5.38E-11	7.12E-11
7528	436678.3	3762130	2.067E-10	7.05E-10	9.11E-10	3.21E-11	1.15E-10	1.47E-10	1.73E-11	5.34E-11	7.07E-11
7529	436879.6	3761980	2.019E-10	6.88E-10	8.90E-10	3.14E-11	1.12E-10	1.44E-10	1.69E-11	5.22E-11	6.91E-11
7530	436888.4	3761976	2.019E-10	6.89E-10	8.91E-10	3.14E-11	1.12E-10	1.44E-10	1.69E-11	5.22E-11	6.91E-11
7531	436897.3	3761972	2.02E-10	6.89E-10	8.91E-10	3.14E-11	1.13E-10	1.44E-10	1.69E-11	5.22E-11	6.91E-11
7532	436906.1	3761969	2.019E-10	6.89E-10	8.91E-10	3.14E-11	1.12E-10	1.44E-10	1.69E-11	5.22E-11	6.91E-11
7533	436915	3761965	2.019E-10	6.88E-10	8.90E-10	3.14E-11	1.12E-10	1.44E-10	1.69E-11	5.22E-11	6.91E-11
7534	436923.9	3761961	2.016E-10	6.87E-10	8.89E-10	3.13E-11	1.12E-10	1.44E-10	1.69E-11	5.21E-11	6.90E-11
7535	436932.7	3761957	2.012E-10	6.86E-10	8.87E-10	3.13E-11	1.12E-10	1.43E-10	1.68E-11	5.20E-11	6.88E-11
7536	436941.6	3761954	2.007E-10	6.84E-10	8.85E-10	3.12E-11	1.12E-10	1.43E-10	1.68E-11	5.19E-11	6.87E-11
7537	436950.4	3761950	2.002E-10	6.83E-10	8.83E-10	3.11E-11	1.12E-10	1.43E-10	1.68E-11	5.17E-11	6.85E-11
7538	436959.3	3761946	1.998E-10	6.81E-10	8.81E-10	3.10E-11	1.11E-10	1.42E-10	1.67E-11	5.16E-11	6.84E-11
7539	436968.2	3761943	1.995E-10	6.80E-10	8.80E-10	3.10E-11	1.11E-10	1.42E-10	1.67E-11	5.15E-11	6.82E-11
7540	436977	3761939	1.99E-10	6.78E-10	8.77E-10	3.09E-11	1.11E-10	1.42E-10	1.67E-11	5.14E-11	6.81E-11
7541	436985.9	3761935	1.985E-10	6.77E-10	8.75E-10	3.08E-11	1.11E-10	1.41E-10	1.66E-11	5.13E-11	6.79E-11
7542	436994.7	3761931	1.978E-10	6.75E-10	8.72E-10	3.07E-11	1.10E-10	1.41E-10	1.66E-11	5.11E-11	6.77E-11
7543	437003.6	3761928	1.972E-10	6.72E-10	8.70E-10	3.06E-11	1.10E-10	1.40E-10	1.65E-11	5.10E-11	6.75E-11
7544	437012.5	3761924	1.965E-10	6.70E-10	8.66E-10	3.05E-11	1.09E-10	1.40E-10	1.64E-11	5.08E-11	6.72E-11
7545	437021.3	3761920	1.958E-10	6.68E-10	8.63E-10	3.04E-11	1.09E-10	1.39E-10	1.64E-11	5.06E-11	6.70E-11
7546	437030.2	3761917	1.95E-10	6.65E-10	8.60E-10	3.03E-11	1.09E-10	1.39E-10	1.63E-11	5.04E-11	6.67E-11
7547	437039	3761913	1.942E-10	6.62E-10	8.56E-10	3.02E-11	1.08E-10	1.38E-10	1.63E-11	5.02E-11	6.64E-11
7548	437047.9	3761909	1.933E-10	6.59E-10	8.52E-10	3.00E-11	1.08E-10	1.38E-10	1.62E-11	4.99E-11	6.61E-11
7549	437056.8	3761905	1.923E-10	6.56E-10	8.48E-10	2.99E-11	1.07E-10	1.37E-10	1.61E-11	4.97E-11	6.58E-11
7550	437065.6	3761902	1.914E-10	6.53E-10	8.44E-10	2.97E-11	1.07E-10	1.36E-10	1.60E-11	4.95E-11	6.55E-11
7551	437074.5	3761898	1.905E-10	6.49E-10	8.40E-10	2.96E-11	1.06E-10	1.36E-10	1.59E-11	4.92E-11	6.52E-11
7552	437083.3	3761894	1.895E-10	6.46E-10	8.36E-10	2.94E-11	1.06E-10	1.35E-10	1.59E-11	4.90E-11	6.48E-11
7553	437092.2	3761891	1.885E-10	6.43E-10	8.31E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.87E-11	6.45E-11
7554	437101.1	3761887	1.876E-10	6.40E-10	8.27E-10	2.92E-11	1.05E-10	1.34E-10	1.57E-11	4.85E-11	6.42E-11
7555	436443.8	3762699	2.694E-10	9.19E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.25E-11	6.96E-11	9.22E-11
7556	436443.8	3762709	2.698E-10	9.20E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.97E-11	9.23E-11
7557	436443.8	3762718	2.701E-10	9.21E-10	1.19E-09	4.20E-11	1.50E-10	1.92E-10	2.26E-11	6.98E-11	9.24E-11
7558	436443.8	3762728	2.702E-10	9.22E-10	1.19E-09	4.20E-11	1.51E-10	1.93E-10	2.26E-11	6.98E-11	9.24E-11
7559	436443.8	3762738	2.702E-10	9.22E-10	1.19E-09	4.20E-11	1.51E-10	1.93E-10	2.26E-11	6.98E-11	9.24E-11
7560	436443.8	3762747	2.701E-10	9.21E-10	1.19E-09	4.20E-11	1.50E-10	1.92E-10	2.26E-11	6.98E-11	9.24E-11

7561	436443.8	3762757	2.699E-10	9.20E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.97E-11	9.23E-11
7562	436443.8	3762767	2.695E-10	9.19E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.96E-11	9.22E-11
7563	436443.8	3762776	2.69E-10	9.17E-10	1.19E-09	4.18E-11	1.50E-10	1.92E-10	2.25E-11	6.95E-11	9.20E-11
7564	436443.8	3762786	2.685E-10	9.16E-10	1.18E-09	4.17E-11	1.50E-10	1.91E-10	2.25E-11	6.94E-11	9.19E-11
7565	436443.8	3762796	2.68E-10	9.14E-10	1.18E-09	4.16E-11	1.49E-10	1.91E-10	2.24E-11	6.92E-11	9.17E-11
7566	436443.8	3762806	2.673E-10	9.12E-10	1.18E-09	4.15E-11	1.49E-10	1.90E-10	2.24E-11	6.91E-11	9.15E-11
7567	436443.8	3762815	2.666E-10	9.09E-10	1.18E-09	4.14E-11	1.48E-10	1.90E-10	2.23E-11	6.89E-11	9.12E-11
7568	436443.8	3762825	2.658E-10	9.06E-10	1.17E-09	4.13E-11	1.48E-10	1.89E-10	2.22E-11	6.87E-11	9.09E-11
7569	436443.8	3762835	2.649E-10	9.03E-10	1.17E-09	4.12E-11	1.48E-10	1.89E-10	2.22E-11	6.85E-11	9.06E-11
7570	436443.8	3762844	2.64E-10	9.00E-10	1.16E-09	4.10E-11	1.47E-10	1.88E-10	2.21E-11	6.82E-11	9.03E-11
7571	436443.8	3762854	2.63E-10	8.97E-10	1.16E-09	4.09E-11	1.47E-10	1.87E-10	2.20E-11	6.80E-11	9.00E-11
7572	436407.5	3762690	2.522E-10	8.60E-10	1.11E-09	3.92E-11	1.41E-10	1.80E-10	2.11E-11	6.52E-11	8.63E-11
7573	436411.1	3762681	2.534E-10	8.64E-10	1.12E-09	3.94E-11	1.41E-10	1.81E-10	2.12E-11	6.55E-11	8.67E-11
7574	436414.8	3762672	2.544E-10	8.67E-10	1.12E-09	3.95E-11	1.42E-10	1.81E-10	2.13E-11	6.57E-11	8.70E-11
7575	436418.5	3762663	2.552E-10	8.70E-10	1.13E-09	3.97E-11	1.42E-10	1.82E-10	2.14E-11	6.59E-11	8.73E-11
7576	436422.2	3762654	2.559E-10	8.73E-10	1.13E-09	3.98E-11	1.43E-10	1.82E-10	2.14E-11	6.61E-11	8.76E-11
7577	436425.8	3762645	2.566E-10	8.75E-10	1.13E-09	3.99E-11	1.43E-10	1.83E-10	2.15E-11	6.63E-11	8.78E-11
7578	436429.5	3762637	2.57E-10	8.76E-10	1.13E-09	3.99E-11	1.43E-10	1.83E-10	2.15E-11	6.64E-11	8.79E-11
7579	436433.2	3762628	2.573E-10	8.78E-10	1.13E-09	4.00E-11	1.43E-10	1.83E-10	2.15E-11	6.65E-11	8.80E-11
7580	436436.8	3762619	2.576E-10	8.79E-10	1.14E-09	4.00E-11	1.44E-10	1.84E-10	2.16E-11	6.66E-11	8.81E-11
7581	436440.5	3762610	2.578E-10	8.79E-10	1.14E-09	4.01E-11	1.44E-10	1.84E-10	2.16E-11	6.66E-11	8.82E-11
7582	436444.2	3762601	2.578E-10	8.79E-10	1.14E-09	4.01E-11	1.44E-10	1.84E-10	2.16E-11	6.66E-11	8.82E-11
7583	436447.9	3762592	2.577E-10	8.79E-10	1.14E-09	4.00E-11	1.44E-10	1.84E-10	2.16E-11	6.66E-11	8.82E-11
7584	436451.5	3762583	2.574E-10	8.78E-10	1.14E-09	4.00E-11	1.43E-10	1.83E-10	2.15E-11	6.65E-11	8.81E-11
7585	436455.2	3762574	2.57E-10	8.76E-10	1.13E-09	3.99E-11	1.43E-10	1.83E-10	2.15E-11	6.64E-11	8.79E-11
7586	436458.9	3762565	2.565E-10	8.75E-10	1.13E-09	3.99E-11	1.43E-10	1.83E-10	2.15E-11	6.63E-11	8.77E-11
7587	436462.6	3762556	2.559E-10	8.72E-10	1.13E-09	3.98E-11	1.43E-10	1.82E-10	2.14E-11	6.61E-11	8.75E-11
7588	436466.2	3762548	2.551E-10	8.70E-10	1.12E-09	3.96E-11	1.42E-10	1.82E-10	2.14E-11	6.59E-11	8.73E-11
7589	436469.9	3762539	2.542E-10	8.67E-10	1.12E-09	3.95E-11	1.42E-10	1.81E-10	2.13E-11	6.57E-11	8.70E-11
7590	436473.6	3762530	2.534E-10	8.64E-10	1.12E-09	3.94E-11	1.41E-10	1.81E-10	2.12E-11	6.55E-11	8.67E-11
7591	436477.2	3762521	2.524E-10	8.61E-10	1.11E-09	3.92E-11	1.41E-10	1.80E-10	2.11E-11	6.52E-11	8.63E-11
7592	436480.9	3762512	2.513E-10	8.57E-10	1.11E-09	3.90E-11	1.40E-10	1.79E-10	2.10E-11	6.49E-11	8.60E-11
7593	436484.6	3762503	2.501E-10	8.53E-10	1.10E-09	3.89E-11	1.39E-10	1.78E-10	2.09E-11	6.46E-11	8.56E-11
7594	436488.3	3762494	2.489E-10	8.49E-10	1.10E-09	3.87E-11	1.39E-10	1.77E-10	2.08E-11	6.43E-11	8.52E-11
7595	436491.9	3762485	2.476E-10	8.44E-10	1.09E-09	3.85E-11	1.38E-10	1.76E-10	2.07E-11	6.40E-11	8.47E-11
7596	436495.6	3762476	2.462E-10	8.39E-10	1.09E-09	3.82E-11	1.37E-10	1.75E-10	2.06E-11	6.36E-11	8.42E-11
7597	436499.3	3762467	2.447E-10	8.34E-10	1.08E-09	3.80E-11	1.36E-10	1.74E-10	2.05E-11	6.32E-11	8.37E-11
7598	436502.9	3762459	2.432E-10	8.29E-10	1.07E-09	3.78E-11	1.35E-10	1.73E-10	2.04E-11	6.28E-11	8.32E-11
7599	436506.6	3762450	2.417E-10	8.24E-10	1.07E-09	3.76E-11	1.35E-10	1.72E-10	2.02E-11	6.24E-11	8.27E-11
7600	436510.3	3762441	2.402E-10	8.19E-10	1.06E-09	3.73E-11	1.34E-10	1.71E-10	2.01E-11	6.21E-11	8.22E-11
7601	436514	3762432	2.387E-10	8.14E-10	1.05E-09	3.71E-11	1.33E-10	1.70E-10	2.00E-11	6.17E-11	8.17E-11
7602	436517.6	3762423	2.372E-10	8.09E-10	1.05E-09	3.69E-11	1.32E-10	1.69E-10	1.99E-11	6.13E-11	8.12E-11
7603	436521.3	3762414	2.357E-10	8.04E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.09E-11	8.06E-11
7604	436525	3762405	2.343E-10	7.99E-10	1.03E-09	3.64E-11	1.31E-10	1.67E-10	1.96E-11	6.05E-11	8.02E-11
7605	436528.6	3762396	2.329E-10	7.94E-10	1.03E-09	3.62E-11	1.30E-10	1.66E-10	1.95E-11	6.02E-11	7.97E-11
7606	436532.3	3762387	2.315E-10	7.89E-10	1.02E-09	3.60E-11	1.29E-10	1.65E-10	1.94E-11	5.98E-11	7.92E-11
7607	436536	3762378	2.301E-10	7.85E-10	1.01E-09	3.58E-11	1.28E-10	1.64E-10	1.93E-11	5.95E-11	7.87E-11
7608	436547	3762352	2.261E-10	7.71E-10	9.97E-10	3.51E-11	1.26E-10	1.61E-10	1.89E-11	5.84E-11	7.73E-11
7609	436550.7	3762343	2.248E-10	7.66E-10	9.91E-10	3.49E-11	1.25E-10	1.60E-10	1.88E-11	5.81E-11	7.69E-11
7610	436554.3	3762334	2.234E-10	7.62E-10	9.85E-10	3.47E-11	1.24E-10	1.59E-10	1.87E-11	5.77E-11	7.64E-11
7611	436558	3762325	2.221E-10	7.57E-10	9.80E-10	3.45E-11	1.24E-10	1.58E-10	1.86E-11	5.74E-11	7.60E-11
7612	436561.7	3762316	2.209E-10	7.53E-10	9.74E-10	3.43E-11	1.23E-10	1.57E-10	1.85E-11	5.71E-11	7.56E-11
7613	436565.4	3762307	2.196E-10	7.49E-10	9.68E-10	3.41E-11	1.22E-10	1.56E-10	1.84E-11	5.67E-11	7.51E-11
7614	436569	3762298	2.184E-10	7.45E-10	9.63E-10	3.39E-11	1.22E-10	1.56E-10	1.83E-11	5.64E-11	7.47E-11
7615	436572.7	3762289	2.172E-10	7.41E-10	9.58E-10	3.38E-11	1.21E-10	1.55E-10	1.82E-11	5.61E-11	7.43E-11
7616	436576.4	3762280	2.161E-10	7.37E-10	9.53E-10	3.36E-11	1.20E-10	1.54E-10	1.81E-11	5.58E-11	7.39E-11
7617	436580	3762272	2.15E-10	7.33E-10	9.48E-10	3.34E-11	1.20E-10	1.53E-10	1.80E-11	5.55E-11	7.35E-11
7618	436583.7	3762263	2.139E-10	7.29E-10	9.43E-10	3.32E-11	1.19E-10	1.52E-10	1.79E-11	5.53E-11	7.32E-11
7619	436587.4	3762254	2.129E-10	7.26E-10	9.39E-10	3.31E-11	1.19E-10	1.52E-10	1.78E-11	5.50E-11	7.28E-11
7620	436591.1	3762245	2.118E-10	7.22E-10	9.34E-10	3.29E-11	1.18E-10	1.51E-10	1.77E-11	5.47E-11	7.24E-11
7621	436594.7	3762236	2.107E-10	7.18E-10	9.29E-10	3.27E-11	1.17E-10	1.50E-10	1.76E-11	5.44E-11	7.21E-11

7622	436598.4	3762227	2.096E-10	7.15E-10	9.24E-10	3.26E-11	1.17E-10	1.49E-10	1.75E-11	5.42E-11	7.17E-11
7623	436602.1	3762218	2.085E-10	7.11E-10	9.20E-10	3.24E-11	1.16E-10	1.49E-10	1.75E-11	5.39E-11	7.13E-11
7624	436605.7	3762209	2.074E-10	7.07E-10	9.15E-10	3.22E-11	1.16E-10	1.48E-10	1.74E-11	5.36E-11	7.09E-11
7625	436609.4	3762200	2.062E-10	7.03E-10	9.09E-10	3.20E-11	1.15E-10	1.47E-10	1.73E-11	5.33E-11	7.05E-11
7626	436613.1	3762191	2.05E-10	6.99E-10	9.04E-10	3.19E-11	1.14E-10	1.46E-10	1.72E-11	5.30E-11	7.01E-11
7627	436616.8	3762182	2.037E-10	6.95E-10	8.98E-10	3.17E-11	1.13E-10	1.45E-10	1.71E-11	5.26E-11	6.97E-11
7628	436620.4	3762174	2.024E-10	6.90E-10	8.93E-10	3.15E-11	1.13E-10	1.44E-10	1.69E-11	5.23E-11	6.93E-11
7629	436624.1	3762165	2.012E-10	6.86E-10	8.87E-10	3.13E-11	1.12E-10	1.43E-10	1.68E-11	5.20E-11	6.88E-11
7630	436627.8	3762156	2E-10	6.82E-10	8.82E-10	3.11E-11	1.11E-10	1.43E-10	1.67E-11	5.17E-11	6.84E-11
7631	436631.4	3762147	1.988E-10	6.78E-10	8.77E-10	3.09E-11	1.11E-10	1.42E-10	1.66E-11	5.14E-11	6.80E-11
7632	436635.1	3762138	1.976E-10	6.74E-10	8.71E-10	3.07E-11	1.10E-10	1.41E-10	1.65E-11	5.11E-11	6.76E-11
7633	436638.8	3762129	1.964E-10	6.70E-10	8.66E-10	3.05E-11	1.09E-10	1.40E-10	1.64E-11	5.07E-11	6.72E-11
7634	436642.5	3762120	1.952E-10	6.66E-10	8.61E-10	3.03E-11	1.09E-10	1.39E-10	1.63E-11	5.04E-11	6.68E-11
7635	436816.1	3761966	1.88E-10	6.41E-10	8.29E-10	2.92E-11	1.05E-10	1.34E-10	1.57E-11	4.86E-11	6.43E-11
7636	436824.9	3761963	1.882E-10	6.42E-10	8.30E-10	2.92E-11	1.05E-10	1.34E-10	1.58E-11	4.86E-11	6.44E-11
7637	436833.8	3761959	1.883E-10	6.42E-10	8.31E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.87E-11	6.44E-11
7638	436842.7	3761955	1.885E-10	6.43E-10	8.31E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.87E-11	6.45E-11
7639	436851.6	3761951	1.887E-10	6.43E-10	8.32E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.88E-11	6.45E-11
7640	436860.5	3761948	1.888E-10	6.44E-10	8.33E-10	2.93E-11	1.05E-10	1.35E-10	1.58E-11	4.88E-11	6.46E-11
7641	436869.3	3761944	1.888E-10	6.44E-10	8.33E-10	2.93E-11	1.05E-10	1.35E-10	1.58E-11	4.88E-11	6.46E-11
7642	436878.2	3761940	1.888E-10	6.44E-10	8.33E-10	2.93E-11	1.05E-10	1.35E-10	1.58E-11	4.88E-11	6.46E-11
7643	436887.1	3761936	1.888E-10	6.44E-10	8.32E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.88E-11	6.46E-11
7644	436896	3761933	1.887E-10	6.43E-10	8.32E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.88E-11	6.45E-11
7645	436904.9	3761929	1.885E-10	6.43E-10	8.31E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.87E-11	6.45E-11
7646	436913.7	3761925	1.883E-10	6.42E-10	8.31E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.87E-11	6.44E-11
7647	436922.6	3761922	1.881E-10	6.41E-10	8.30E-10	2.92E-11	1.05E-10	1.34E-10	1.57E-11	4.86E-11	6.44E-11
7648	436931.5	3761918	1.878E-10	6.40E-10	8.28E-10	2.92E-11	1.05E-10	1.34E-10	1.57E-11	4.85E-11	6.42E-11
7649	436940.4	3761914	1.874E-10	6.39E-10	8.26E-10	2.91E-11	1.04E-10	1.34E-10	1.57E-11	4.84E-11	6.41E-11
7650	436949.3	3761910	1.87E-10	6.38E-10	8.25E-10	2.91E-11	1.04E-10	1.33E-10	1.57E-11	4.83E-11	6.40E-11
7651	436958.1	3761907	1.865E-10	6.36E-10	8.22E-10	2.90E-11	1.04E-10	1.33E-10	1.56E-11	4.82E-11	6.38E-11
7652	436967	3761903	1.859E-10	6.34E-10	8.20E-10	2.89E-11	1.04E-10	1.32E-10	1.56E-11	4.80E-11	6.36E-11
7653	436975.9	3761899	1.852E-10	6.32E-10	8.17E-10	2.88E-11	1.03E-10	1.32E-10	1.55E-11	4.79E-11	6.34E-11
7654	436984.8	3761895	1.845E-10	6.29E-10	8.14E-10	2.87E-11	1.03E-10	1.31E-10	1.54E-11	4.77E-11	6.31E-11
7655	436993.7	3761892	1.838E-10	6.27E-10	8.11E-10	2.86E-11	1.02E-10	1.31E-10	1.54E-11	4.75E-11	6.29E-11
7656	437002.5	3761888	1.83E-10	6.24E-10	8.07E-10	2.84E-11	1.02E-10	1.30E-10	1.53E-11	4.73E-11	6.26E-11
7657	437011.4	3761884	1.822E-10	6.21E-10	8.04E-10	2.83E-11	1.02E-10	1.30E-10	1.53E-11	4.71E-11	6.23E-11
7658	436403.8	3762699	2.51E-10	8.56E-10	1.11E-09	3.90E-11	1.40E-10	1.79E-10	2.10E-11	6.49E-11	8.59E-11
7659	436403.8	3762709	2.514E-10	8.57E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.10E-11	6.50E-11	8.60E-11
7660	436403.8	3762718	2.516E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.61E-11
7661	436403.8	3762728	2.517E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.61E-11
7662	436403.8	3762738	2.517E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.61E-11
7663	436403.8	3762747	2.515E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.60E-11
7664	436403.8	3762757	2.513E-10	8.57E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.10E-11	6.49E-11	8.60E-11
7665	436403.8	3762767	2.51E-10	8.56E-10	1.11E-09	3.90E-11	1.40E-10	1.79E-10	2.10E-11	6.48E-11	8.59E-11
7666	436403.8	3762776	2.506E-10	8.55E-10	1.11E-09	3.89E-11	1.40E-10	1.79E-10	2.10E-11	6.48E-11	8.57E-11
7667	436403.8	3762786	2.501E-10	8.53E-10	1.10E-09	3.89E-11	1.39E-10	1.78E-10	2.09E-11	6.46E-11	8.56E-11
7668	436403.8	3762796	2.496E-10	8.51E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.45E-11	8.54E-11
7669	436403.8	3762806	2.488E-10	8.49E-10	1.10E-09	3.87E-11	1.39E-10	1.77E-10	2.08E-11	6.43E-11	8.51E-11
7670	436403.8	3762815	2.481E-10	8.46E-10	1.09E-09	3.86E-11	1.38E-10	1.77E-10	2.08E-11	6.41E-11	8.49E-11
7671	436403.8	3762825	2.474E-10	8.43E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.39E-11	8.46E-11
7672	436403.8	3762835	2.465E-10	8.41E-10	1.09E-09	3.83E-11	1.37E-10	1.76E-10	2.06E-11	6.37E-11	8.43E-11
7673	436403.8	3762844	2.457E-10	8.38E-10	1.08E-09	3.82E-11	1.37E-10	1.75E-10	2.06E-11	6.35E-11	8.40E-11
7674	436403.8	3762854	2.447E-10	8.35E-10	1.08E-09	3.80E-11	1.36E-10	1.74E-10	2.05E-11	6.32E-11	8.37E-11
7675	436378.5	3762663	2.388E-10	8.14E-10	1.05E-09	3.71E-11	1.33E-10	1.70E-10	2.00E-11	6.17E-11	8.17E-11
7676	436382.2	3762654	2.395E-10	8.17E-10	1.06E-09	3.72E-11	1.33E-10	1.71E-10	2.00E-11	6.19E-11	8.19E-11
7677	436385.9	3762645	2.401E-10	8.19E-10	1.06E-09	3.73E-11	1.34E-10	1.71E-10	2.01E-11	6.20E-11	8.21E-11
7678	436389.6	3762636	2.406E-10	8.21E-10	1.06E-09	3.74E-11	1.34E-10	1.71E-10	2.01E-11	6.22E-11	8.23E-11
7679	436393.2	3762628	2.411E-10	8.22E-10	1.06E-09	3.75E-11	1.34E-10	1.72E-10	2.02E-11	6.23E-11	8.25E-11
7680	436396.9	3762619	2.413E-10	8.23E-10	1.06E-09	3.75E-11	1.34E-10	1.72E-10	2.02E-11	6.24E-11	8.26E-11
7681	436400.6	3762610	2.415E-10	8.24E-10	1.07E-09	3.75E-11	1.35E-10	1.72E-10	2.02E-11	6.24E-11	8.26E-11
7682	436404.3	3762601	2.417E-10	8.24E-10	1.07E-09	3.76E-11	1.35E-10	1.72E-10	2.02E-11	6.24E-11	8.27E-11

7683	436408	3762592	2.416E-10	8.24E-10	1.07E-09	3.75E-11	1.35E-10	1.72E-10	2.02E-11	6.24E-11	8.27E-11
7684	436411.6	3762583	2.415E-10	8.23E-10	1.06E-09	3.75E-11	1.35E-10	1.72E-10	2.02E-11	6.24E-11	8.26E-11
7685	436415.3	3762574	2.413E-10	8.23E-10	1.06E-09	3.75E-11	1.34E-10	1.72E-10	2.02E-11	6.23E-11	8.25E-11
7686	436419	3762565	2.408E-10	8.21E-10	1.06E-09	3.74E-11	1.34E-10	1.72E-10	2.02E-11	6.22E-11	8.24E-11
7687	436422.7	3762556	2.403E-10	8.19E-10	1.06E-09	3.73E-11	1.34E-10	1.71E-10	2.01E-11	6.21E-11	8.22E-11
7688	436426.4	3762547	2.397E-10	8.17E-10	1.06E-09	3.72E-11	1.34E-10	1.71E-10	2.01E-11	6.19E-11	8.20E-11
7689	436430	3762538	2.39E-10	8.15E-10	1.05E-09	3.71E-11	1.33E-10	1.70E-10	2.00E-11	6.18E-11	8.18E-11
7690	436433.7	3762529	2.382E-10	8.12E-10	1.05E-09	3.70E-11	1.33E-10	1.70E-10	1.99E-11	6.16E-11	8.15E-11
7691	436437.4	3762520	2.374E-10	8.09E-10	1.05E-09	3.69E-11	1.32E-10	1.69E-10	1.99E-11	6.13E-11	8.12E-11
7692	436441.1	3762512	2.364E-10	8.06E-10	1.04E-09	3.67E-11	1.32E-10	1.68E-10	1.98E-11	6.11E-11	8.09E-11
7693	436444.8	3762503	2.355E-10	8.03E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.08E-11	8.05E-11
7694	436448.4	3762494	2.345E-10	7.99E-10	1.03E-09	3.64E-11	1.31E-10	1.67E-10	1.96E-11	6.06E-11	8.02E-11
7695	436452.1	3762485	2.333E-10	7.96E-10	1.03E-09	3.63E-11	1.30E-10	1.66E-10	1.95E-11	6.03E-11	7.98E-11
7696	436455.8	3762476	2.322E-10	7.92E-10	1.02E-09	3.61E-11	1.29E-10	1.65E-10	1.94E-11	6.00E-11	7.94E-11
7697	436459.5	3762467	2.309E-10	7.87E-10	1.02E-09	3.59E-11	1.29E-10	1.65E-10	1.93E-11	5.97E-11	7.90E-11
7698	436463.1	3762458	2.296E-10	7.83E-10	1.01E-09	3.57E-11	1.28E-10	1.64E-10	1.92E-11	5.93E-11	7.85E-11
7699	436466.8	3762449	2.282E-10	7.78E-10	1.01E-09	3.55E-11	1.27E-10	1.63E-10	1.91E-11	5.90E-11	7.81E-11
7700	436470.5	3762440	2.268E-10	7.73E-10	1.00E-09	3.52E-11	1.26E-10	1.62E-10	1.90E-11	5.86E-11	7.76E-11
7701	436474.2	3762431	2.253E-10	7.68E-10	9.94E-10	3.50E-11	1.26E-10	1.61E-10	1.89E-11	5.82E-11	7.71E-11
7702	436477.9	3762422	2.239E-10	7.63E-10	9.87E-10	3.48E-11	1.25E-10	1.60E-10	1.87E-11	5.79E-11	7.66E-11
7703	436481.5	3762413	2.226E-10	7.59E-10	9.81E-10	3.46E-11	1.24E-10	1.59E-10	1.86E-11	5.75E-11	7.61E-11
7704	436485.2	3762404	2.212E-10	7.54E-10	9.76E-10	3.44E-11	1.23E-10	1.58E-10	1.85E-11	5.72E-11	7.57E-11
7705	436488.9	3762396	2.199E-10	7.50E-10	9.70E-10	3.42E-11	1.22E-10	1.57E-10	1.84E-11	5.68E-11	7.52E-11
7706	436492.6	3762387	2.186E-10	7.45E-10	9.64E-10	3.40E-11	1.22E-10	1.56E-10	1.83E-11	5.65E-11	7.48E-11
7707	436496.3	3762378	2.172E-10	7.41E-10	9.58E-10	3.38E-11	1.21E-10	1.55E-10	1.82E-11	5.61E-11	7.43E-11
7708	436499.9	3762369	2.16E-10	7.36E-10	9.52E-10	3.36E-11	1.20E-10	1.54E-10	1.81E-11	5.58E-11	7.39E-11
7709	436514.7	3762333	2.109E-10	7.19E-10	9.30E-10	3.28E-11	1.17E-10	1.50E-10	1.76E-11	5.45E-11	7.21E-11
7710	436518.3	3762324	2.097E-10	7.15E-10	9.25E-10	3.26E-11	1.17E-10	1.49E-10	1.75E-11	5.42E-11	7.17E-11
7711	436522	3762315	2.086E-10	7.11E-10	9.20E-10	3.24E-11	1.16E-10	1.49E-10	1.75E-11	5.39E-11	7.14E-11
7712	436525.7	3762306	2.075E-10	7.08E-10	9.15E-10	3.22E-11	1.16E-10	1.48E-10	1.74E-11	5.36E-11	7.10E-11
7713	436529.4	3762297	2.065E-10	7.04E-10	9.11E-10	3.21E-11	1.15E-10	1.47E-10	1.73E-11	5.33E-11	7.06E-11
7714	436533.1	3762288	2.054E-10	7.00E-10	9.06E-10	3.19E-11	1.14E-10	1.46E-10	1.72E-11	5.31E-11	7.03E-11
7715	436536.7	3762280	2.043E-10	6.97E-10	9.01E-10	3.18E-11	1.14E-10	1.46E-10	1.71E-11	5.28E-11	6.99E-11
7716	436540.4	3762271	2.034E-10	6.93E-10	8.97E-10	3.16E-11	1.13E-10	1.45E-10	1.70E-11	5.25E-11	6.96E-11
7717	436544.1	3762262	2.024E-10	6.90E-10	8.92E-10	3.14E-11	1.13E-10	1.44E-10	1.69E-11	5.23E-11	6.92E-11
7718	436547.8	3762253	2.014E-10	6.87E-10	8.88E-10	3.13E-11	1.12E-10	1.44E-10	1.69E-11	5.21E-11	6.89E-11
7719	436551.5	3762244	2.005E-10	6.84E-10	8.84E-10	3.12E-11	1.12E-10	1.43E-10	1.68E-11	5.18E-11	6.86E-11
7720	436555.1	3762235	1.996E-10	6.81E-10	8.80E-10	3.10E-11	1.11E-10	1.42E-10	1.67E-11	5.16E-11	6.83E-11
7721	436558.8	3762226	1.987E-10	6.77E-10	8.76E-10	3.09E-11	1.11E-10	1.42E-10	1.66E-11	5.13E-11	6.80E-11
7722	436562.5	3762217	1.977E-10	6.74E-10	8.72E-10	3.07E-11	1.10E-10	1.41E-10	1.65E-11	5.11E-11	6.76E-11
7723	436566.2	3762208	1.966E-10	6.70E-10	8.67E-10	3.06E-11	1.10E-10	1.40E-10	1.65E-11	5.08E-11	6.73E-11
7724	436569.9	3762199	1.954E-10	6.66E-10	8.62E-10	3.04E-11	1.09E-10	1.39E-10	1.64E-11	5.05E-11	6.69E-11
7725	436573.5	3762190	1.943E-10	6.63E-10	8.57E-10	3.02E-11	1.08E-10	1.38E-10	1.63E-11	5.02E-11	6.65E-11
7726	436577.2	3762181	1.932E-10	6.59E-10	8.52E-10	3.00E-11	1.08E-10	1.38E-10	1.62E-11	4.99E-11	6.61E-11
7727	436580.9	3762172	1.92E-10	6.55E-10	8.47E-10	2.98E-11	1.07E-10	1.37E-10	1.61E-11	4.96E-11	6.57E-11
7728	436584.6	3762164	1.909E-10	6.51E-10	8.42E-10	2.97E-11	1.06E-10	1.36E-10	1.60E-11	4.93E-11	6.53E-11
7729	436588.2	3762155	1.898E-10	6.47E-10	8.37E-10	2.95E-11	1.06E-10	1.35E-10	1.59E-11	4.90E-11	6.49E-11
7730	436591.9	3762146	1.887E-10	6.43E-10	8.32E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.88E-11	6.45E-11
7731	436595.6	3762137	1.877E-10	6.40E-10	8.28E-10	2.92E-11	1.05E-10	1.34E-10	1.57E-11	4.85E-11	6.42E-11
7732	436599.3	3762128	1.868E-10	6.37E-10	8.24E-10	2.90E-11	1.04E-10	1.33E-10	1.56E-11	4.83E-11	6.39E-11
7733	436603	3762119	1.858E-10	6.34E-10	8.19E-10	2.89E-11	1.03E-10	1.32E-10	1.56E-11	4.80E-11	6.36E-11
7734	436606.6	3762110	1.849E-10	6.31E-10	8.16E-10	2.87E-11	1.03E-10	1.32E-10	1.55E-11	4.78E-11	6.33E-11
7735	436639.8	3762030	1.749E-10	5.97E-10	7.71E-10	2.72E-11	9.75E-11	1.25E-10	1.46E-11	4.52E-11	5.98E-11
7736	436643.4	3762021	1.737E-10	5.92E-10	7.66E-10	2.70E-11	9.67E-11	1.24E-10	1.45E-11	4.49E-11	5.94E-11
7737	436647.1	3762012	1.723E-10	5.88E-10	7.60E-10	2.68E-11	9.60E-11	1.23E-10	1.44E-11	4.45E-11	5.89E-11
7738	436650.8	3762003	1.71E-10	5.83E-10	7.54E-10	2.66E-11	9.53E-11	1.22E-10	1.43E-11	4.42E-11	5.85E-11
7739	436663.4	3761990	1.704E-10	5.81E-10	7.51E-10	2.65E-11	9.49E-11	1.21E-10	1.43E-11	4.40E-11	5.83E-11
7740	436699	3761975	1.727E-10	5.89E-10	7.61E-10	2.68E-11	9.62E-11	1.23E-10	1.45E-11	4.46E-11	5.91E-11
7741	436796.9	3761934	1.764E-10	6.01E-10	7.78E-10	2.74E-11	9.82E-11	1.26E-10	1.48E-11	4.56E-11	6.03E-11
7742	436805.8	3761931	1.766E-10	6.02E-10	7.79E-10	2.74E-11	9.84E-11	1.26E-10	1.48E-11	4.56E-11	6.04E-11
7743	436814.7	3761927	1.769E-10	6.03E-10	7.80E-10	2.75E-11	9.85E-11	1.26E-10	1.48E-11	4.57E-11	6.05E-11

7744	436823.6	3761923	1.77E-10	6.04E-10	7.81E-10	2.75E-11	9.86E-11	1.26E-10	1.48E-11	4.57E-11	6.05E-11
7745	436832.5	3761919	1.771E-10	6.04E-10	7.81E-10	2.75E-11	9.87E-11	1.26E-10	1.48E-11	4.58E-11	6.06E-11
7746	436841.4	3761916	1.772E-10	6.04E-10	7.81E-10	2.75E-11	9.87E-11	1.26E-10	1.48E-11	4.58E-11	6.06E-11
7747	436850.3	3761912	1.772E-10	6.04E-10	7.81E-10	2.75E-11	9.87E-11	1.26E-10	1.48E-11	4.58E-11	6.06E-11
7748	436859.2	3761908	1.771E-10	6.04E-10	7.81E-10	2.75E-11	9.87E-11	1.26E-10	1.48E-11	4.58E-11	6.06E-11
7749	436868.1	3761904	1.771E-10	6.04E-10	7.81E-10	2.75E-11	9.86E-11	1.26E-10	1.48E-11	4.58E-11	6.06E-11
7750	436877	3761901	1.77E-10	6.04E-10	7.81E-10	2.75E-11	9.86E-11	1.26E-10	1.48E-11	4.57E-11	6.05E-11
7751	436885.9	3761897	1.769E-10	6.03E-10	7.80E-10	2.75E-11	9.85E-11	1.26E-10	1.48E-11	4.57E-11	6.05E-11
7752	436894.8	3761893	1.766E-10	6.02E-10	7.79E-10	2.74E-11	9.84E-11	1.26E-10	1.48E-11	4.56E-11	6.04E-11
7753	436903.7	3761889	1.765E-10	6.02E-10	7.78E-10	2.74E-11	9.83E-11	1.26E-10	1.48E-11	4.56E-11	6.04E-11
7754	436912.6	3761886	1.763E-10	6.01E-10	7.77E-10	2.74E-11	9.82E-11	1.26E-10	1.48E-11	4.56E-11	6.03E-11
7755	436921.5	3761882	1.76E-10	6.00E-10	7.76E-10	2.73E-11	9.80E-11	1.25E-10	1.47E-11	4.55E-11	6.02E-11
7756	436930.3	3761878	1.756E-10	5.99E-10	7.74E-10	2.73E-11	9.78E-11	1.25E-10	1.47E-11	4.54E-11	6.01E-11
7757	436939.2	3761875	1.75E-10	5.97E-10	7.72E-10	2.72E-11	9.75E-11	1.25E-10	1.46E-11	4.52E-11	5.99E-11
7758	436948.1	3761871	1.744E-10	5.95E-10	7.69E-10	2.71E-11	9.72E-11	1.24E-10	1.46E-11	4.51E-11	5.97E-11
7759	436363.8	3762699	2.348E-10	8.01E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.97E-11	6.07E-11	8.03E-11
7760	436363.8	3762709	2.35E-10	8.01E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.97E-11	6.07E-11	8.04E-11
7761	437373.5	3762894	1.759E-08	6.00E-08	7.75E-08	2.73E-09	9.80E-09	1.25E-08	1.47E-09	4.54E-09	6.02E-09
7762	437383.2	3762894	1.919E-08	6.54E-08	8.46E-08	2.98E-09	1.07E-08	1.37E-08	1.61E-09	4.96E-09	6.56E-09
7763	437421.8	3762894	3.019E-08	1.03E-07	1.33E-07	4.69E-09	1.68E-08	2.15E-08	2.53E-09	7.80E-09	1.03E-08
7764	437431.4	3762894	3.394E-08	1.16E-07	1.50E-07	5.27E-09	1.89E-08	2.42E-08	2.84E-09	8.77E-09	1.16E-08
7765	437441.1	3762894	3.774E-08	1.29E-07	1.66E-07	5.86E-09	2.10E-08	2.69E-08	3.16E-09	9.75E-09	1.29E-08
7766	437450.7	3762894	4.141E-08	1.41E-07	1.83E-07	6.43E-09	2.31E-08	2.95E-08	3.47E-09	1.07E-08	1.42E-08
7767	437460.4	3762894	4.489E-08	1.53E-07	1.98E-07	6.98E-09	2.50E-08	3.20E-08	3.76E-09	1.16E-08	1.54E-08
7768	437470	3762894	4.749E-08	1.62E-07	2.09E-07	7.38E-09	2.65E-08	3.38E-08	3.97E-09	1.23E-08	1.62E-08
7769	437479.7	3762894	4.977E-08	1.70E-07	2.20E-07	7.73E-09	2.77E-08	3.55E-08	4.17E-09	1.29E-08	1.70E-08
7770	437489.3	3762893	5.174E-08	1.76E-07	2.28E-07	8.04E-09	2.88E-08	3.69E-08	4.33E-09	1.34E-08	1.77E-08
7771	437499	3762893	5.28E-08	1.80E-07	2.33E-07	8.20E-09	2.94E-08	3.76E-08	4.42E-09	1.36E-08	1.81E-08
7772	437508.6	3762893	5.356E-08	1.83E-07	2.36E-07	8.32E-09	2.98E-08	3.82E-08	4.48E-09	1.38E-08	1.83E-08
7773	437518.3	3762893	5.405E-08	1.84E-07	2.38E-07	8.40E-09	3.01E-08	3.85E-08	4.52E-09	1.40E-08	1.85E-08
7774	437373.5	3762904	1.389E-08	4.74E-08	6.13E-08	2.16E-09	7.74E-09	9.90E-09	1.16E-09	3.59E-09	4.75E-09
7775	437383.2	3762904	1.492E-08	5.09E-08	6.58E-08	2.32E-09	8.31E-09	1.06E-08	1.25E-09	3.86E-09	5.11E-09
7776	437421.8	3762904	2.175E-08	7.42E-08	9.59E-08	3.38E-09	1.21E-08	1.55E-08	1.82E-09	5.62E-09	7.44E-09
7777	437431.4	3762904	2.426E-08	8.27E-08	1.07E-07	3.77E-09	1.35E-08	1.73E-08	2.03E-09	6.27E-09	8.30E-09
7778	437441.1	3762904	2.686E-08	9.16E-08	1.18E-07	4.17E-09	1.50E-08	1.91E-08	2.25E-09	6.94E-09	9.19E-09
7779	437450.7	3762904	2.95E-08	1.01E-07	1.30E-07	4.58E-09	1.64E-08	2.10E-08	2.47E-09	7.62E-09	1.01E-08
7780	437460.4	3762904	3.207E-08	1.09E-07	1.41E-07	4.98E-09	1.79E-08	2.28E-08	2.68E-09	8.29E-09	1.10E-08
7781	437470	3762904	3.416E-08	1.16E-07	1.51E-07	5.31E-09	1.90E-08	2.43E-08	2.86E-09	8.83E-09	1.17E-08
7782	437479.7	3762904	3.607E-08	1.23E-07	1.59E-07	5.60E-09	2.01E-08	2.57E-08	3.02E-09	9.32E-09	1.23E-08
7783	437489.3	3762903	3.778E-08	1.29E-07	1.67E-07	5.87E-09	2.10E-08	2.69E-08	3.16E-09	9.76E-09	1.29E-08
7784	437499	3762903	3.89E-08	1.33E-07	1.72E-07	6.04E-09	2.17E-08	2.77E-08	3.26E-09	1.01E-08	1.33E-08
7785	437508.6	3762903	3.981E-08	1.36E-07	1.76E-07	6.19E-09	2.22E-08	2.84E-08	3.33E-09	1.03E-08	1.36E-08
7786	437518.3	3762903	4.055E-08	1.38E-07	1.79E-07	6.30E-09	2.26E-08	2.89E-08	3.39E-09	1.05E-08	1.39E-08
7787	437527.9	3762903	4.162E-08	1.42E-07	1.84E-07	6.47E-09	2.32E-08	2.97E-08	3.48E-09	1.08E-08	1.42E-08
7788	437537.6	3762903	4.262E-08	1.45E-07	1.88E-07	6.62E-09	2.37E-08	3.04E-08	3.57E-09	1.10E-08	1.46E-08
7789	437547.2	3762903	4.339E-08	1.48E-07	1.91E-07	6.74E-09	2.42E-08	3.09E-08	3.63E-09	1.12E-08	1.48E-08
7790	437363.9	3762914	1.066E-08	3.63E-08	4.70E-08	1.66E-09	5.94E-09	7.59E-09	8.92E-10	2.75E-09	3.65E-09
7791	437373.6	3762914	1.137E-08	3.88E-08	5.01E-08	1.77E-09	6.33E-09	8.10E-09	9.52E-10	2.94E-09	3.89E-09
7792	437383.2	3762914	1.209E-08	4.12E-08	5.33E-08	1.88E-09	6.74E-09	8.62E-09	1.01E-09	3.12E-09	4.14E-09
7793	437421.8	3762914	1.665E-08	5.68E-08	7.34E-08	2.59E-09	9.27E-09	1.19E-08	1.39E-09	4.30E-09	5.69E-09
7794	437431.5	3762914	1.834E-08	6.26E-08	8.09E-08	2.85E-09	1.02E-08	1.31E-08	1.54E-09	4.74E-09	6.28E-09
7795	437441.1	3762914	2.01E-08	6.85E-08	8.86E-08	3.12E-09	1.12E-08	1.43E-08	1.68E-09	5.19E-09	6.88E-09
7796	437450.8	3762914	2.191E-08	7.47E-08	9.66E-08	3.41E-09	1.22E-08	1.56E-08	1.83E-09	5.66E-09	7.50E-09
7797	437460.4	3762914	2.375E-08	8.10E-08	1.05E-07	3.69E-09	1.32E-08	1.69E-08	1.99E-09	6.14E-09	8.12E-09
7798	437470.1	3762914	2.538E-08	8.66E-08	1.12E-07	3.94E-09	1.41E-08	1.81E-08	2.12E-09	6.56E-09	8.68E-09
7799	437479.7	3762914	2.694E-08	9.18E-08	1.19E-07	4.19E-09	1.50E-08	1.92E-08	2.25E-09	6.96E-09	9.21E-09
7800	437489.4	3762913	2.838E-08	9.68E-08	1.25E-07	4.41E-09	1.58E-08	2.02E-08	2.38E-09	7.33E-09	9.71E-09
7801	437499	3762913	2.942E-08	1.00E-07	1.30E-07	4.57E-09	1.64E-08	2.10E-08	2.46E-09	7.60E-09	1.01E-08
7802	437508.7	3762913	3.034E-08	1.03E-07	1.34E-07	4.71E-09	1.69E-08	2.16E-08	2.54E-09	7.84E-09	1.04E-08
7803	437518.3	3762913	3.114E-08	1.06E-07	1.37E-07	4.84E-09	1.73E-08	2.22E-08	2.61E-09	8.05E-09	1.07E-08
7804	437528	3762913	3.214E-08	1.10E-07	1.42E-07	4.99E-09	1.79E-08	2.29E-08	2.69E-09	8.30E-09	1.10E-08

7805	437537.6	3762913	3.306E-08	1.13E-07	1.46E-07	5.14E-09	1.84E-08	2.36E-08	2.77E-09	8.54E-09	1.13E-08
7806	437547.3	3762913	3.383E-08	1.15E-07	1.49E-07	5.26E-09	1.88E-08	2.41E-08	2.83E-09	8.74E-09	1.16E-08
7807	437363.9	3762924	8.984E-09	3.06E-08	3.96E-08	1.40E-09	5.00E-09	6.40E-09	7.52E-10	2.32E-09	3.07E-09
7808	437373.6	3762924	9.498E-09	3.24E-08	4.19E-08	1.48E-09	5.29E-09	6.77E-09	7.95E-10	2.45E-09	3.25E-09
7809	437383.2	3762924	1.003E-08	3.42E-08	4.42E-08	1.56E-09	5.59E-09	7.15E-09	8.40E-10	2.59E-09	3.43E-09
7810	437421.8	3762924	1.323E-08	4.51E-08	5.84E-08	2.06E-09	7.37E-09	9.43E-09	1.11E-09	3.42E-09	4.53E-09
7811	437431.5	3762924	1.441E-08	4.91E-08	6.35E-08	2.24E-09	8.03E-09	1.03E-08	1.21E-09	3.72E-09	4.93E-09
7812	437441.1	3762924	1.559E-08	5.32E-08	6.88E-08	2.42E-09	8.69E-09	1.11E-08	1.31E-09	4.03E-09	5.33E-09
7813	437450.8	3762924	1.685E-08	5.74E-08	7.43E-08	2.62E-09	9.38E-09	1.20E-08	1.41E-09	4.35E-09	5.76E-09
7814	437460.4	3762924	1.815E-08	6.19E-08	8.00E-08	2.82E-09	1.01E-08	1.29E-08	1.52E-09	4.69E-09	6.21E-09
7815	437470.1	3762924	1.941E-08	6.62E-08	8.56E-08	3.02E-09	1.08E-08	1.38E-08	1.62E-09	5.01E-09	6.64E-09
7816	437479.7	3762924	2.064E-08	7.04E-08	9.10E-08	3.21E-09	1.15E-08	1.47E-08	1.73E-09	5.33E-09	7.06E-09
7817	437489.4	3762923	2.183E-08	7.44E-08	9.63E-08	3.39E-09	1.22E-08	1.56E-08	1.83E-09	5.64E-09	7.47E-09
7818	437373.6	3762934	8.057E-09	2.75E-08	3.55E-08	1.25E-09	4.49E-09	5.74E-09	6.74E-10	2.08E-09	2.76E-09
7819	437383.3	3762934	8.466E-09	2.89E-08	3.73E-08	1.32E-09	4.72E-09	6.03E-09	7.09E-10	2.19E-09	2.90E-09
7820	437421.9	3762934	1.076E-08	3.67E-08	4.75E-08	1.67E-09	5.99E-09	7.67E-09	9.01E-10	2.78E-09	3.68E-09
7821	437431.5	3762934	1.157E-08	3.95E-08	5.10E-08	1.80E-09	6.45E-09	8.24E-09	9.69E-10	2.99E-09	3.96E-09
7822	437441.2	3762934	1.241E-08	4.23E-08	5.47E-08	1.93E-09	6.91E-09	8.84E-09	1.04E-09	3.21E-09	4.24E-09
7823	437450.8	3762934	1.33E-08	4.54E-08	5.87E-08	2.07E-09	7.41E-09	9.48E-09	1.11E-09	3.44E-09	4.55E-09
7824	437460.5	3762934	1.425E-08	4.86E-08	6.29E-08	2.21E-09	7.94E-09	1.02E-08	1.19E-09	3.68E-09	4.88E-09
7825	437470.1	3762934	1.519E-08	5.18E-08	6.70E-08	2.36E-09	8.46E-09	1.08E-08	1.27E-09	3.93E-09	5.20E-09
7826	437355.9	3762940	6.668E-09	2.27E-08	2.94E-08	1.04E-09	3.71E-09	4.75E-09	5.58E-10	1.72E-09	2.28E-09
7827	437323.5	3762927	6.571E-09	2.24E-08	2.90E-08	1.02E-09	3.66E-09	4.68E-09	5.50E-10	1.70E-09	2.25E-09
7828	437303.9	3762912	6.79E-09	2.32E-08	2.99E-08	1.06E-09	3.78E-09	4.84E-09	5.68E-10	1.75E-09	2.32E-09
7829	437373.6	3762944	6.923E-09	2.36E-08	3.05E-08	1.08E-09	3.86E-09	4.93E-09	5.79E-10	1.79E-09	2.37E-09
7830	437383.3	3762944	7.246E-09	2.47E-08	3.20E-08	1.13E-09	4.04E-09	5.16E-09	6.07E-10	1.87E-09	2.48E-09
7831	437421.9	3762944	8.874E-09	3.03E-08	3.91E-08	1.38E-09	4.94E-09	6.32E-09	7.43E-10	2.29E-09	3.04E-09
7832	437431.5	3762944	9.412E-09	3.21E-08	4.15E-08	1.46E-09	5.24E-09	6.71E-09	7.88E-10	2.43E-09	3.22E-09
7833	437441.2	3762944	1.004E-08	3.42E-08	4.43E-08	1.56E-09	5.59E-09	7.15E-09	8.40E-10	2.59E-09	3.43E-09
7834	437450.8	3762944	1.072E-08	3.66E-08	4.73E-08	1.67E-09	5.97E-09	7.64E-09	8.97E-10	2.77E-09	3.67E-09
7835	437460.5	3762944	1.146E-08	3.91E-08	5.06E-08	1.78E-09	6.39E-09	8.17E-09	9.59E-10	2.96E-09	3.92E-09
7836	437470.1	3762944	1.214E-08	4.14E-08	5.35E-08	1.89E-09	6.76E-09	8.65E-09	1.02E-09	3.14E-09	4.15E-09
7837	437518.4	3762943	1.561E-08	5.32E-08	6.88E-08	2.43E-09	8.70E-09	1.11E-08	1.31E-09	4.03E-09	5.34E-09
7838	437356	3762950	5.824E-09	1.99E-08	2.57E-08	9.05E-10	3.24E-09	4.15E-09	4.87E-10	1.50E-09	1.99E-09
7839	437340.1	3762944	5.858E-09	2.00E-08	2.58E-08	9.10E-10	3.26E-09	4.17E-09	4.90E-10	1.51E-09	2.00E-09
7840	437324.1	3762937	5.819E-09	1.98E-08	2.57E-08	9.04E-10	3.24E-09	4.15E-09	4.87E-10	1.50E-09	1.99E-09
7841	437308.2	3762931	5.7E-09	1.94E-08	2.51E-08	8.86E-10	3.18E-09	4.06E-09	4.77E-10	1.47E-09	1.95E-09
7842	437296.9	3762919	5.961E-09	2.03E-08	2.63E-08	9.26E-10	3.32E-09	4.25E-09	4.99E-10	1.54E-09	2.04E-09
7843	437373.6	3762954	6.01E-09	2.05E-08	2.65E-08	9.34E-10	3.35E-09	4.28E-09	5.03E-10	1.55E-09	2.06E-09
7844	437383.3	3762954	6.274E-09	2.14E-08	2.77E-08	9.75E-10	3.50E-09	4.47E-09	5.25E-10	1.62E-09	2.15E-09
7845	437421.9	3762954	7.455E-09	2.54E-08	3.29E-08	1.16E-09	4.15E-09	5.31E-09	6.24E-10	1.93E-09	2.55E-09
7846	437431.5	3762954	7.818E-09	2.67E-08	3.45E-08	1.21E-09	4.36E-09	5.57E-09	6.54E-10	2.02E-09	2.67E-09
7847	437441.2	3762954	8.298E-09	2.83E-08	3.66E-08	1.29E-09	4.62E-09	5.91E-09	6.95E-10	2.14E-09	2.84E-09
7848	437450.8	3762954	8.831E-09	3.01E-08	3.89E-08	1.37E-09	4.92E-09	6.29E-09	7.39E-10	2.28E-09	3.02E-09
7849	437460.5	3762954	9.416E-09	3.21E-08	4.15E-08	1.46E-09	5.25E-09	6.71E-09	7.88E-10	2.43E-09	3.22E-09
7850	437470.1	3762954	9.901E-09	3.38E-08	4.37E-08	1.54E-09	5.52E-09	7.05E-09	8.29E-10	2.56E-09	3.39E-09
7851	437499.1	3762953	1.154E-08	3.94E-08	5.09E-08	1.79E-09	6.43E-09	8.22E-09	9.66E-10	2.98E-09	3.95E-09
7852	437508.7	3762953	1.215E-08	4.14E-08	5.36E-08	1.89E-09	6.77E-09	8.65E-09	1.02E-09	3.14E-09	4.16E-09
7853	437518.4	3762953	1.275E-08	4.35E-08	5.62E-08	1.98E-09	7.10E-09	9.09E-09	1.07E-09	3.29E-09	4.36E-09
7854	437528.1	3762953	1.337E-08	4.56E-08	5.89E-08	2.08E-09	7.45E-09	9.52E-09	1.12E-09	3.45E-09	4.57E-09
7855	437537.7	3762953	1.396E-08	4.76E-08	6.16E-08	2.17E-09	7.78E-09	9.95E-09	1.17E-09	3.61E-09	4.78E-09
7856	437547.4	3762953	1.454E-08	4.96E-08	6.41E-08	2.26E-09	8.10E-09	1.04E-08	1.22E-09	3.76E-09	4.97E-09
7857	437355.2	3762960	5.127E-09	1.75E-08	2.26E-08	7.97E-10	2.86E-09	3.65E-09	4.29E-10	1.32E-09	1.75E-09
7858	437346.3	3762956	5.159E-09	1.76E-08	2.27E-08	8.02E-10	2.87E-09	3.68E-09	4.32E-10	1.33E-09	1.76E-09
7859	437337.4	3762953	5.178E-09	1.77E-08	2.28E-08	8.05E-10	2.88E-09	3.69E-09	4.33E-10	1.34E-09	1.77E-09
7860	437328.6	3762949	5.178E-09	1.77E-08	2.28E-08	8.05E-10	2.88E-09	3.69E-09	4.33E-10	1.34E-09	1.77E-09
7861	437319.7	3762945	5.16E-09	1.76E-08	2.28E-08	8.02E-10	2.87E-09	3.68E-09	4.32E-10	1.33E-09	1.77E-09
7862	437310.9	3762942	5.122E-09	1.75E-08	2.26E-08	7.96E-10	2.85E-09	3.65E-09	4.29E-10	1.32E-09	1.75E-09
7863	437302	3762938	5.061E-09	1.73E-08	2.23E-08	7.86E-10	2.82E-09	3.61E-09	4.24E-10	1.31E-09	1.73E-09
7864	437289.5	3762926	5.315E-09	1.81E-08	2.34E-08	8.26E-10	2.96E-09	3.79E-09	4.45E-10	1.37E-09	1.82E-09
7865	437285.8	3762917	5.634E-09	1.92E-08	2.48E-08	8.75E-10	3.14E-09	4.01E-09	4.72E-10	1.46E-09	1.93E-09

7866	437364	3762964	5.085E-09	1.73E-08	2.24E-08	7.90E-10	2.83E-09	3.62E-09	4.26E-10	1.31E-09	1.74E-09
7867	437373.7	3762964	5.276E-09	1.80E-08	2.33E-08	8.20E-10	2.94E-09	3.76E-09	4.42E-10	1.36E-09	1.80E-09
7868	437383.3	3762964	5.486E-09	1.87E-08	2.42E-08	8.52E-10	3.06E-09	3.91E-09	4.59E-10	1.42E-09	1.88E-09
7869	437393	3762964	5.707E-09	1.95E-08	2.52E-08	8.87E-10	3.18E-09	4.07E-09	4.78E-10	1.47E-09	1.95E-09
7870	437421.9	3762964	6.362E-09	2.17E-08	2.81E-08	9.89E-10	3.54E-09	4.53E-09	5.33E-10	1.64E-09	2.18E-09
7871	437431.6	3762964	6.622E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.72E-09	5.54E-10	1.71E-09	2.27E-09
7872	437441.2	3762964	6.987E-09	2.38E-08	3.08E-08	1.09E-09	3.89E-09	4.98E-09	5.85E-10	1.81E-09	2.39E-09
7873	437450.9	3762964	7.395E-09	2.52E-08	3.26E-08	1.15E-09	4.12E-09	5.27E-09	6.19E-10	1.91E-09	2.53E-09
7874	437460.5	3762964	7.844E-09	2.67E-08	3.46E-08	1.22E-09	4.37E-09	5.59E-09	6.57E-10	2.03E-09	2.68E-09
7875	437470.2	3762964	8.209E-09	2.80E-08	3.62E-08	1.28E-09	4.57E-09	5.85E-09	6.87E-10	2.12E-09	2.81E-09
7876	437499.1	3762963	9.514E-09	3.24E-08	4.20E-08	1.48E-09	5.30E-09	6.78E-09	7.96E-10	2.46E-09	3.25E-09
7877	437508.8	3762963	1.003E-08	3.42E-08	4.42E-08	1.56E-09	5.59E-09	7.14E-09	8.39E-10	2.59E-09	3.43E-09
7878	437518.4	3762963	1.055E-08	3.60E-08	4.65E-08	1.64E-09	5.88E-09	7.52E-09	8.83E-10	2.73E-09	3.61E-09
7879	437528.1	3762963	1.107E-08	3.77E-08	4.88E-08	1.72E-09	6.17E-09	7.88E-09	9.26E-10	2.86E-09	3.79E-09
7880	437537.7	3762963	1.158E-08	3.95E-08	5.10E-08	1.80E-09	6.45E-09	8.25E-09	9.69E-10	2.99E-09	3.96E-09
7881	437547.4	3762963	1.207E-08	4.12E-08	5.32E-08	1.88E-09	6.73E-09	8.60E-09	1.01E-09	3.12E-09	4.13E-09
7882	437355.6	3762980	4.046E-09	1.38E-08	1.78E-08	6.29E-10	2.25E-09	2.88E-09	3.39E-10	1.05E-09	1.38E-09
7883	437347.1	3762977	4.081E-09	1.39E-08	1.80E-08	6.34E-10	2.27E-09	2.91E-09	3.42E-10	1.05E-09	1.40E-09
7884	437338.5	3762973	4.11E-09	1.40E-08	1.81E-08	6.39E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.41E-09
7885	437330	3762970	4.129E-09	1.41E-08	1.82E-08	6.42E-10	2.30E-09	2.94E-09	3.46E-10	1.07E-09	1.41E-09
7886	437321.5	3762966	4.14E-09	1.41E-08	1.83E-08	6.43E-10	2.31E-09	2.95E-09	3.46E-10	1.07E-09	1.42E-09
7887	437313	3762963	4.139E-09	1.41E-08	1.83E-08	6.43E-10	2.31E-09	2.95E-09	3.46E-10	1.07E-09	1.42E-09
7888	437304.5	3762959	4.126E-09	1.41E-08	1.82E-08	6.41E-10	2.30E-09	2.94E-09	3.45E-10	1.07E-09	1.41E-09
7889	437296	3762956	4.101E-09	1.40E-08	1.81E-08	6.37E-10	2.28E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
7890	437287.5	3762952	4.063E-09	1.39E-08	1.79E-08	6.31E-10	2.26E-09	2.89E-09	3.40E-10	1.05E-09	1.39E-09
7891	437275.5	3762940	4.249E-09	1.45E-08	1.87E-08	6.60E-10	2.37E-09	3.03E-09	3.56E-10	1.10E-09	1.45E-09
7892	437272	3762932	4.486E-09	1.53E-08	1.98E-08	6.97E-10	2.50E-09	3.20E-09	3.75E-10	1.16E-09	1.53E-09
7893	437364.1	3762984	4.006E-09	1.37E-08	1.77E-08	6.22E-10	2.23E-09	2.85E-09	3.35E-10	1.04E-09	1.37E-09
7894	437373.7	3762984	4.141E-09	1.41E-08	1.83E-08	6.43E-10	2.31E-09	2.95E-09	3.47E-10	1.07E-09	1.42E-09
7895	437383.4	3762984	4.282E-09	1.46E-08	1.89E-08	6.65E-10	2.39E-09	3.05E-09	3.58E-10	1.11E-09	1.47E-09
7896	437393	3762984	4.421E-09	1.51E-08	1.95E-08	6.87E-10	2.46E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
7897	437422	3762984	4.813E-09	1.64E-08	2.12E-08	7.48E-10	2.68E-09	3.43E-09	4.03E-10	1.24E-09	1.65E-09
7898	437431.6	3762984	4.967E-09	1.69E-08	2.19E-08	7.72E-10	2.77E-09	3.54E-09	4.16E-10	1.28E-09	1.70E-09
7899	437441.3	3762984	5.169E-09	1.76E-08	2.28E-08	8.03E-10	2.88E-09	3.68E-09	4.33E-10	1.34E-09	1.77E-09
7900	437450.9	3762984	5.392E-09	1.84E-08	2.38E-08	8.38E-10	3.00E-09	3.84E-09	4.51E-10	1.39E-09	1.84E-09
7901	437460.6	3762984	5.636E-09	1.92E-08	2.49E-08	8.76E-10	3.14E-09	4.02E-09	4.72E-10	1.46E-09	1.93E-09
7902	437470.2	3762984	5.886E-09	2.01E-08	2.60E-08	9.15E-10	3.28E-09	4.19E-09	4.93E-10	1.52E-09	2.01E-09
7903	437499.2	3762983	6.778E-09	2.31E-08	2.99E-08	1.05E-09	3.78E-09	4.83E-09	5.67E-10	1.75E-09	2.32E-09
7904	437508.8	3762983	7.121E-09	2.43E-08	3.14E-08	1.11E-09	3.97E-09	5.07E-09	5.96E-10	1.84E-09	2.44E-09
7905	437518.5	3762983	7.48E-09	2.55E-08	3.30E-08	1.16E-09	4.17E-09	5.33E-09	6.26E-10	1.93E-09	2.56E-09
7906	437528.1	3762983	7.814E-09	2.66E-08	3.45E-08	1.21E-09	4.35E-09	5.57E-09	6.54E-10	2.02E-09	2.67E-09
7907	437537.8	3762983	8.149E-09	2.78E-08	3.59E-08	1.27E-09	4.54E-09	5.81E-09	6.82E-10	2.11E-09	2.79E-09
7908	437547.4	3762983	8.485E-09	2.89E-08	3.74E-08	1.32E-09	4.73E-09	6.05E-09	7.10E-10	2.19E-09	2.90E-09
7909	437355.8	3763000	3.261E-09	1.11E-08	1.44E-08	5.07E-10	1.82E-09	2.32E-09	2.73E-10	8.43E-10	1.12E-09
7910	437339.3	3762994	3.322E-09	1.13E-08	1.46E-08	5.16E-10	1.85E-09	2.37E-09	2.78E-10	8.58E-10	1.14E-09
7911	437322.8	3762987	3.365E-09	1.15E-08	1.48E-08	5.23E-10	1.87E-09	2.40E-09	2.82E-10	8.70E-10	1.15E-09
7912	437306.2	3762980	3.386E-09	1.15E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.83E-10	8.75E-10	1.16E-09
7913	437289.7	3762973	3.377E-09	1.15E-08	1.49E-08	5.25E-10	1.88E-09	2.41E-09	2.83E-10	8.73E-10	1.16E-09
7914	437273.2	3762966	3.335E-09	1.14E-08	1.47E-08	5.18E-10	1.86E-09	2.38E-09	2.79E-10	8.62E-10	1.14E-09
7915	437261.5	3762955	3.477E-09	1.19E-08	1.53E-08	5.40E-10	1.94E-09	2.48E-09	2.91E-10	8.98E-10	1.19E-09
7916	437373.7	3763004	3.319E-09	1.13E-08	1.46E-08	5.16E-10	1.85E-09	2.36E-09	2.78E-10	8.58E-10	1.14E-09
7917	437383.4	3763004	3.414E-09	1.16E-08	1.51E-08	5.31E-10	1.90E-09	2.43E-09	2.86E-10	8.82E-10	1.17E-09
7918	437393	3763004	3.512E-09	1.20E-08	1.55E-08	5.46E-10	1.96E-09	2.50E-09	2.94E-10	9.07E-10	1.20E-09
7919	437422	3763004	3.79E-09	1.29E-08	1.67E-08	5.89E-10	2.11E-09	2.70E-09	3.17E-10	9.79E-10	1.30E-09
7920	437431.6	3763004	3.899E-09	1.33E-08	1.72E-08	6.06E-10	2.17E-09	2.78E-09	3.26E-10	1.01E-09	1.33E-09
7921	437441.3	3763004	4.03E-09	1.37E-08	1.78E-08	6.26E-10	2.24E-09	2.87E-09	3.37E-10	1.04E-09	1.38E-09
7922	437450.9	3763004	4.171E-09	1.42E-08	1.84E-08	6.48E-10	2.32E-09	2.97E-09	3.49E-10	1.08E-09	1.43E-09
7923	437460.6	3763004	4.325E-09	1.47E-08	1.91E-08	6.72E-10	2.41E-09	3.08E-09	3.62E-10	1.12E-09	1.48E-09
7924	437470.3	3763004	4.481E-09	1.53E-08	1.98E-08	6.96E-10	2.50E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
7925	437499.2	3763003	5.05E-09	1.72E-08	2.23E-08	7.85E-10	2.81E-09	3.60E-09	4.23E-10	1.30E-09	1.73E-09
7926	437508.9	3763003	5.281E-09	1.80E-08	2.33E-08	8.21E-10	2.94E-09	3.76E-09	4.42E-10	1.36E-09	1.81E-09

7927	437518.5	3763003	5.526E-09	1.88E-08	2.44E-08	8.59E-10	3.08E-09	3.94E-09	4.63E-10	1.43E-09	1.89E-09
7928	437528.2	3763003	5.766E-09	1.97E-08	2.54E-08	8.96E-10	3.21E-09	4.11E-09	4.83E-10	1.49E-09	1.97E-09
7929	437537.8	3763003	6.012E-09	2.05E-08	2.65E-08	9.34E-10	3.35E-09	4.28E-09	5.03E-10	1.55E-09	2.06E-09
7930	437547.5	3763003	6.266E-09	2.14E-08	2.76E-08	9.74E-10	3.49E-09	4.46E-09	5.24E-10	1.62E-09	2.14E-09
7931	437355.4	3763020	2.676E-09	9.13E-09	1.18E-08	4.16E-10	1.49E-09	1.91E-09	2.24E-10	6.91E-10	9.16E-10
7932	437346.7	3763017	2.706E-09	9.23E-09	1.19E-08	4.20E-10	1.51E-09	1.93E-09	2.26E-10	6.99E-10	9.26E-10
7933	437338	3763013	2.733E-09	9.32E-09	1.21E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.06E-10	9.35E-10
7934	437329.3	3763009	2.757E-09	9.40E-09	1.22E-08	4.28E-10	1.54E-09	1.96E-09	2.31E-10	7.12E-10	9.43E-10
7935	437320.5	3763006	2.779E-09	9.48E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.51E-10
7936	437311.8	3763002	2.797E-09	9.54E-09	1.23E-08	4.35E-10	1.56E-09	1.99E-09	2.34E-10	7.23E-10	9.57E-10
7937	437303.1	3762999	2.81E-09	9.58E-09	1.24E-08	4.37E-10	1.57E-09	2.00E-09	2.35E-10	7.26E-10	9.61E-10
7938	437294.4	3762995	2.818E-09	9.61E-09	1.24E-08	4.38E-10	1.57E-09	2.01E-09	2.36E-10	7.28E-10	9.64E-10
7939	437285.7	3762991	2.821E-09	9.62E-09	1.24E-08	4.38E-10	1.57E-09	2.01E-09	2.36E-10	7.29E-10	9.65E-10
7940	437276.9	3762988	2.816E-09	9.60E-09	1.24E-08	4.38E-10	1.57E-09	2.01E-09	2.36E-10	7.28E-10	9.63E-10
7941	437268.2	3762984	2.805E-09	9.56E-09	1.24E-08	4.36E-10	1.56E-09	2.00E-09	2.35E-10	7.25E-10	9.60E-10
7942	437259.5	3762981	2.787E-09	9.51E-09	1.23E-08	4.33E-10	1.55E-09	1.99E-09	2.33E-10	7.20E-10	9.54E-10
7943	437218.3	3762899	3.954E-09	1.35E-08	1.74E-08	6.14E-10	2.20E-09	2.82E-09	3.31E-10	1.02E-09	1.35E-09
7944	437364.1	3763024	2.645E-09	9.02E-09	1.17E-08	4.11E-10	1.47E-09	1.88E-09	2.21E-10	6.83E-10	9.05E-10
7945	437373.8	3763024	2.711E-09	9.24E-09	1.20E-08	4.21E-10	1.51E-09	1.93E-09	2.27E-10	7.00E-10	9.27E-10
7946	437383.4	3763024	2.779E-09	9.48E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.51E-10
7947	437393.1	3763024	2.85E-09	9.72E-09	1.26E-08	4.43E-10	1.59E-09	2.03E-09	2.39E-10	7.36E-10	9.75E-10
7948	437422	3763024	3.074E-09	1.05E-08	1.36E-08	4.78E-10	1.71E-09	2.19E-09	2.57E-10	7.94E-10	1.05E-09
7949	437431.7	3763024	3.159E-09	1.08E-08	1.39E-08	4.91E-10	1.76E-09	2.25E-09	2.64E-10	8.16E-10	1.08E-09
7950	437441.3	3763024	3.249E-09	1.11E-08	1.43E-08	5.05E-10	1.81E-09	2.31E-09	2.72E-10	8.39E-10	1.11E-09
7951	437451	3763024	3.346E-09	1.14E-08	1.48E-08	5.20E-10	1.86E-09	2.38E-09	2.80E-10	8.65E-10	1.14E-09
7952	437355.7	3763040	2.228E-09	7.60E-09	9.82E-09	3.46E-10	1.24E-09	1.59E-09	1.86E-10	5.76E-10	7.62E-10
7953	437347.2	3763037	2.252E-09	7.68E-09	9.93E-09	3.50E-10	1.25E-09	1.60E-09	1.89E-10	5.82E-10	7.71E-10
7954	437338.7	3763033	2.277E-09	7.76E-09	1.00E-08	3.54E-10	1.27E-09	1.62E-09	1.91E-10	5.88E-10	7.79E-10
7955	437330.2	3763030	2.299E-09	7.84E-09	1.01E-08	3.57E-10	1.28E-09	1.64E-09	1.92E-10	5.94E-10	7.86E-10
7956	437321.7	3763026	2.319E-09	7.91E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.99E-10	7.93E-10
7957	437313.2	3763023	2.338E-09	7.97E-09	1.03E-08	3.63E-10	1.30E-09	1.67E-09	1.96E-10	6.04E-10	8.00E-10
7958	437304.7	3763019	2.345E-09	8.00E-09	1.03E-08	3.64E-10	1.31E-09	1.67E-09	1.96E-10	6.06E-10	8.02E-10
7959	437296.2	3763016	2.363E-09	8.06E-09	1.04E-08	3.67E-10	1.32E-09	1.68E-09	1.98E-10	6.11E-10	8.08E-10
7960	437287.7	3763012	2.377E-09	8.11E-09	1.05E-08	3.69E-10	1.32E-09	1.69E-09	1.99E-10	6.14E-10	8.13E-10
7961	437279.2	3763009	2.383E-09	8.13E-09	1.05E-08	3.70E-10	1.33E-09	1.70E-09	1.99E-10	6.16E-10	8.15E-10
7962	437270.7	3763005	2.384E-09	8.13E-09	1.05E-08	3.70E-10	1.33E-09	1.70E-09	2.00E-10	6.16E-10	8.16E-10
7963	437262.2	3763002	2.381E-09	8.12E-09	1.05E-08	3.70E-10	1.33E-09	1.70E-09	1.99E-10	6.15E-10	8.15E-10
7964	437219	3762949	2.912E-09	9.93E-09	1.28E-08	4.52E-10	1.62E-09	2.07E-09	2.44E-10	7.52E-10	9.96E-10
7965	437215.5	3762940	3.018E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.53E-10	7.80E-10	1.03E-09
7966	437212	3762932	3.119E-09	1.06E-08	1.38E-08	4.85E-10	1.74E-09	2.22E-09	2.61E-10	8.06E-10	1.07E-09
7967	437208.5	3762923	3.213E-09	1.10E-08	1.42E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.30E-10	1.10E-09
7968	437204.9	3762915	3.3E-09	1.13E-08	1.46E-08	5.13E-10	1.84E-09	2.35E-09	2.76E-10	8.53E-10	1.13E-09
7969	437201.4	3762906	3.376E-09	1.15E-08	1.49E-08	5.25E-10	1.88E-09	2.41E-09	2.83E-10	8.72E-10	1.15E-09
7970	437197.9	3762898	3.443E-09	1.17E-08	1.52E-08	5.35E-10	1.92E-09	2.45E-09	2.88E-10	8.90E-10	1.18E-09
7971	437364.2	3763044	2.202E-09	7.51E-09	9.71E-09	3.42E-10	1.23E-09	1.57E-09	1.84E-10	5.69E-10	7.53E-10
7972	437373.8	3763044	2.251E-09	7.68E-09	9.93E-09	3.50E-10	1.25E-09	1.60E-09	1.88E-10	5.82E-10	7.70E-10
7973	437383.5	3763044	2.301E-09	7.85E-09	1.01E-08	3.58E-10	1.28E-09	1.64E-09	1.93E-10	5.95E-10	7.87E-10
7974	437393.1	3763044	2.354E-09	8.03E-09	1.04E-08	3.66E-10	1.31E-09	1.68E-09	1.97E-10	6.08E-10	8.05E-10
7975	437460.7	3763044	2.788E-09	9.51E-09	1.23E-08	4.33E-10	1.55E-09	1.99E-09	2.33E-10	7.20E-10	9.54E-10
7976	437470.3	3763044	2.852E-09	9.73E-09	1.26E-08	4.43E-10	1.59E-09	2.03E-09	2.39E-10	7.37E-10	9.76E-10
7977	437480	3763044	2.923E-09	9.97E-09	1.29E-08	4.54E-10	1.63E-09	2.08E-09	2.45E-10	7.55E-10	1.00E-09
7978	437489.6	3763043	3.001E-09	1.02E-08	1.32E-08	4.66E-10	1.67E-09	2.14E-09	2.51E-10	7.75E-10	1.03E-09
7979	437499.3	3763043	3.116E-09	1.06E-08	1.37E-08	4.84E-10	1.74E-09	2.22E-09	2.61E-10	8.05E-10	1.07E-09
7980	437508.9	3763043	3.244E-09	1.11E-08	1.43E-08	5.04E-10	1.81E-09	2.31E-09	2.72E-10	8.38E-10	1.11E-09
7981	437518.6	3763043	3.382E-09	1.15E-08	1.49E-08	5.25E-10	1.88E-09	2.41E-09	2.83E-10	8.74E-10	1.16E-09
7982	437528.2	3763043	3.499E-09	1.19E-08	1.54E-08	5.44E-10	1.95E-09	2.49E-09	2.93E-10	9.04E-10	1.20E-09
7983	437537.9	3763043	3.618E-09	1.23E-08	1.60E-08	5.62E-10	2.02E-09	2.58E-09	3.03E-10	9.35E-10	1.24E-09
7984	437547.5	3763043	3.745E-09	1.28E-08	1.65E-08	5.82E-10	2.09E-09	2.67E-09	3.13E-10	9.68E-10	1.28E-09
7985	437355.4	3763060	1.88E-09	6.41E-09	8.29E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.86E-10	6.43E-10
7986	437346.5	3763056	1.902E-09	6.49E-09	8.39E-09	2.96E-10	1.06E-09	1.36E-09	1.59E-10	4.92E-10	6.51E-10
7987	437337.7	3763053	1.924E-09	6.56E-09	8.49E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.97E-10	6.58E-10

7988	437328.8	3763049	1.946E-09	6.63E-09	8.58E-09	3.02E-10	1.08E-09	1.39E-09	1.63E-10	5.03E-10	6.66E-10
7989	437319.9	3763045	1.966E-09	6.70E-09	8.67E-09	3.05E-10	1.10E-09	1.40E-09	1.65E-10	5.08E-10	6.72E-10
7990	437311.1	3763042	1.984E-09	6.77E-09	8.75E-09	3.08E-10	1.11E-09	1.41E-09	1.66E-10	5.13E-10	6.79E-10
7991	437302.2	3763038	1.999E-09	6.82E-09	8.82E-09	3.11E-10	1.11E-09	1.42E-09	1.67E-10	5.17E-10	6.84E-10
7992	437293.4	3763035	2.013E-09	6.86E-09	8.88E-09	3.13E-10	1.12E-09	1.43E-09	1.68E-10	5.20E-10	6.89E-10
7993	437284.5	3763031	2.025E-09	6.90E-09	8.93E-09	3.15E-10	1.13E-09	1.44E-09	1.69E-10	5.23E-10	6.93E-10
7994	437275.7	3763027	2.034E-09	6.93E-09	8.97E-09	3.16E-10	1.13E-09	1.45E-09	1.70E-10	5.25E-10	6.96E-10
7995	437266.8	3763024	2.039E-09	6.95E-09	8.99E-09	3.17E-10	1.14E-09	1.45E-09	1.71E-10	5.27E-10	6.98E-10
7996	437258	3763020	2.042E-09	6.96E-09	9.00E-09	3.17E-10	1.14E-09	1.45E-09	1.71E-10	5.28E-10	6.98E-10
7997	437218.9	3762996	2.113E-09	7.21E-09	9.32E-09	3.28E-10	1.18E-09	1.51E-09	1.77E-10	5.46E-10	7.23E-10
7998	437215.2	3762988	2.209E-09	7.53E-09	9.74E-09	3.43E-10	1.23E-09	1.57E-09	1.85E-10	5.71E-10	7.56E-10
7999	437211.5	3762979	2.306E-09	7.86E-09	1.02E-08	3.58E-10	1.28E-09	1.64E-09	1.93E-10	5.96E-10	7.89E-10
8000	437207.8	3762970	2.401E-09	8.19E-09	1.06E-08	3.73E-10	1.34E-09	1.71E-09	2.01E-10	6.20E-10	8.21E-10
8001	437204.2	3762961	2.495E-09	8.51E-09	1.10E-08	3.88E-10	1.39E-09	1.78E-09	2.09E-10	6.45E-10	8.53E-10
8002	437200.5	3762952	2.586E-09	8.82E-09	1.14E-08	4.02E-10	1.44E-09	1.84E-09	2.16E-10	6.68E-10	8.84E-10
8003	437196.8	3762943	2.672E-09	9.11E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.24E-10	6.90E-10	9.14E-10
8004	437193.2	3762935	2.753E-09	9.39E-09	1.21E-08	4.28E-10	1.53E-09	1.96E-09	2.30E-10	7.11E-10	9.42E-10
8005	437189.5	3762926	2.828E-09	9.64E-09	1.25E-08	4.39E-10	1.58E-09	2.01E-09	2.37E-10	7.31E-10	9.68E-10
8006	437185.8	3762917	2.897E-09	9.88E-09	1.28E-08	4.50E-10	1.61E-09	2.06E-09	2.42E-10	7.49E-10	9.91E-10
8007	437182.2	3762908	2.958E-09	1.01E-08	1.30E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.64E-10	1.01E-09
8008	437364.2	3763064	1.857E-09	6.33E-09	8.19E-09	2.89E-10	1.03E-09	1.32E-09	1.55E-10	4.80E-10	6.35E-10
8009	437373.9	3763064	1.895E-09	6.46E-09	8.36E-09	2.94E-10	1.06E-09	1.35E-09	1.59E-10	4.90E-10	6.48E-10
8010	437383.5	3763064	1.933E-09	6.59E-09	8.53E-09	3.00E-10	1.08E-09	1.38E-09	1.62E-10	5.00E-10	6.61E-10
8011	437393.2	3763064	1.974E-09	6.73E-09	8.70E-09	3.07E-10	1.10E-09	1.41E-09	1.65E-10	5.10E-10	6.75E-10
8012	437402.8	3763064	2.016E-09	6.87E-09	8.89E-09	3.13E-10	1.12E-09	1.44E-09	1.69E-10	5.21E-10	6.90E-10
8013	437441.4	3763064	2.202E-09	7.51E-09	9.71E-09	3.42E-10	1.23E-09	1.57E-09	1.84E-10	5.69E-10	7.53E-10
8014	437451.1	3763064	2.255E-09	7.69E-09	9.94E-09	3.50E-10	1.26E-09	1.61E-09	1.89E-10	5.83E-10	7.71E-10
8015	437460.7	3763064	2.299E-09	7.84E-09	1.01E-08	3.57E-10	1.28E-09	1.64E-09	1.92E-10	5.94E-10	7.86E-10
8016	437470.4	3763064	2.345E-09	8.00E-09	1.03E-08	3.64E-10	1.31E-09	1.67E-09	1.96E-10	6.06E-10	8.02E-10
8017	437480	3763064	2.396E-09	8.17E-09	1.06E-08	3.72E-10	1.33E-09	1.71E-09	2.01E-10	6.19E-10	8.20E-10
8018	437489.7	3763063	2.452E-09	8.36E-09	1.08E-08	3.81E-10	1.37E-09	1.75E-09	2.05E-10	6.34E-10	8.39E-10
8019	437499.3	3763063	2.533E-09	8.64E-09	1.12E-08	3.94E-10	1.41E-09	1.80E-09	2.12E-10	6.55E-10	8.67E-10
8020	437509	3763063	2.622E-09	8.94E-09	1.16E-08	4.07E-10	1.46E-09	1.87E-09	2.19E-10	6.77E-10	8.97E-10
8021	437518.6	3763063	2.718E-09	9.27E-09	1.20E-08	4.22E-10	1.51E-09	1.94E-09	2.27E-10	7.02E-10	9.30E-10
8022	437528.3	3763063	2.804E-09	9.56E-09	1.24E-08	4.36E-10	1.56E-09	2.00E-09	2.35E-10	7.25E-10	9.59E-10
8023	437537.9	3763063	2.894E-09	9.87E-09	1.28E-08	4.50E-10	1.61E-09	2.06E-09	2.42E-10	7.48E-10	9.90E-10
8024	437547.6	3763063	2.99E-09	1.02E-08	1.32E-08	4.65E-10	1.67E-09	2.13E-09	2.50E-10	7.72E-10	1.02E-09
8025	437355.6	3763080	1.604E-09	5.47E-09	7.07E-09	2.49E-10	8.94E-10	1.14E-09	1.34E-10	4.15E-10	5.49E-10
8026	437346.9	3763077	1.624E-09	5.54E-09	7.16E-09	2.52E-10	9.04E-10	1.16E-09	1.36E-10	4.20E-10	5.55E-10
8027	437338.3	3763073	1.642E-09	5.60E-09	7.24E-09	2.55E-10	9.15E-10	1.17E-09	1.37E-10	4.24E-10	5.62E-10
8028	437329.6	3763069	1.66E-09	5.66E-09	7.32E-09	2.58E-10	9.25E-10	1.18E-09	1.39E-10	4.29E-10	5.68E-10
8029	437321	3763066	1.678E-09	5.72E-09	7.40E-09	2.61E-10	9.35E-10	1.20E-09	1.40E-10	4.34E-10	5.74E-10
8030	437312.3	3763062	1.695E-09	5.78E-09	7.47E-09	2.63E-10	9.44E-10	1.21E-09	1.42E-10	4.38E-10	5.80E-10
8031	437303.6	3763059	1.71E-09	5.83E-09	7.54E-09	2.66E-10	9.53E-10	1.22E-09	1.43E-10	4.42E-10	5.85E-10
8032	437295	3763055	1.724E-09	5.88E-09	7.60E-09	2.68E-10	9.60E-10	1.23E-09	1.44E-10	4.45E-10	5.90E-10
8033	437286.3	3763052	1.735E-09	5.92E-09	7.65E-09	2.70E-10	9.67E-10	1.24E-09	1.45E-10	4.48E-10	5.94E-10
8034	437277.7	3763048	1.746E-09	5.95E-09	7.70E-09	2.71E-10	9.72E-10	1.24E-09	1.46E-10	4.51E-10	5.97E-10
8035	437269	3763044	1.755E-09	5.98E-09	7.74E-09	2.73E-10	9.77E-10	1.25E-09	1.47E-10	4.53E-10	6.00E-10
8036	437260.4	3763041	1.761E-09	6.01E-09	7.77E-09	2.74E-10	9.81E-10	1.25E-09	1.47E-10	4.55E-10	6.03E-10
8037	437217.1	3763023	1.759E-09	6.00E-09	7.76E-09	2.73E-10	9.80E-10	1.25E-09	1.47E-10	4.55E-10	6.02E-10
8038	437204.8	3763011	1.827E-09	6.23E-09	8.06E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.72E-10	6.25E-10
8039	437201.2	3763002	1.905E-09	6.49E-09	8.40E-09	2.96E-10	1.06E-09	1.36E-09	1.59E-10	4.92E-10	6.52E-10
8040	437197.6	3762994	1.983E-09	6.76E-09	8.74E-09	3.08E-10	1.10E-09	1.41E-09	1.66E-10	5.12E-10	6.78E-10
8041	437194	3762985	2.06E-09	7.03E-09	9.09E-09	3.20E-10	1.15E-09	1.47E-09	1.72E-10	5.32E-10	7.05E-10
8042	437190.5	3762976	2.137E-09	7.29E-09	9.42E-09	3.32E-10	1.19E-09	1.52E-09	1.79E-10	5.52E-10	7.31E-10
8043	437186.9	3762968	2.211E-09	7.54E-09	9.75E-09	3.44E-10	1.23E-09	1.58E-09	1.85E-10	5.71E-10	7.56E-10
8044	437183.3	3762959	2.283E-09	7.78E-09	1.01E-08	3.55E-10	1.27E-09	1.63E-09	1.91E-10	5.90E-10	7.81E-10
8045	437364.3	3763084	1.586E-09	5.41E-09	6.99E-09	2.46E-10	8.83E-10	1.13E-09	1.33E-10	4.10E-10	5.43E-10
8046	437373.9	3763084	1.614E-09	5.50E-09	7.12E-09	2.51E-10	8.99E-10	1.15E-09	1.35E-10	4.17E-10	5.52E-10
8047	437383.6	3763084	1.645E-09	5.61E-09	7.25E-09	2.56E-10	9.16E-10	1.17E-09	1.38E-10	4.25E-10	5.63E-10
8048	437393.2	3763084	1.676E-09	5.72E-09	7.39E-09	2.60E-10	9.34E-10	1.19E-09	1.40E-10	4.33E-10	5.73E-10

8049	437480.1	3763084	2E-09	6.82E-09	8.82E-09	3.11E-10	1.11E-09	1.43E-09	1.67E-10	5.17E-10	6.84E-10
8050	437489.7	3763083	2.042E-09	6.96E-09	9.00E-09	3.17E-10	1.14E-09	1.45E-09	1.71E-10	5.28E-10	6.98E-10
8051	437499.4	3763083	2.098E-09	7.15E-09	9.25E-09	3.26E-10	1.17E-09	1.49E-09	1.76E-10	5.42E-10	7.18E-10
8052	437509	3763083	2.158E-09	7.36E-09	9.52E-09	3.35E-10	1.20E-09	1.54E-09	1.81E-10	5.58E-10	7.38E-10
8053	437518.7	3763083	2.223E-09	7.58E-09	9.80E-09	3.45E-10	1.24E-09	1.58E-09	1.86E-10	5.74E-10	7.60E-10
8054	437528.3	3763083	2.29E-09	7.81E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.92E-10	7.83E-10
8055	437538	3763083	2.361E-09	8.05E-09	1.04E-08	3.67E-10	1.32E-09	1.68E-09	1.98E-10	6.10E-10	8.08E-10
8056	437547.6	3763083	2.437E-09	8.31E-09	1.07E-08	3.79E-10	1.36E-09	1.74E-09	2.04E-10	6.30E-10	8.34E-10
8057	437355.8	3763100	1.384E-09	4.72E-09	6.10E-09	2.15E-10	7.71E-10	9.86E-10	1.16E-10	3.58E-10	4.74E-10
8058	437347.3	3763097	1.4E-09	4.77E-09	6.17E-09	2.17E-10	7.80E-10	9.97E-10	1.17E-10	3.62E-10	4.79E-10
8059	437338.8	3763093	1.415E-09	4.83E-09	6.24E-09	2.20E-10	7.88E-10	1.01E-09	1.18E-10	3.66E-10	4.84E-10
8060	437330.3	3763090	1.43E-09	4.88E-09	6.31E-09	2.22E-10	7.97E-10	1.02E-09	1.20E-10	3.70E-10	4.89E-10
8061	437321.8	3763086	1.445E-09	4.93E-09	6.37E-09	2.25E-10	8.05E-10	1.03E-09	1.21E-10	3.73E-10	4.94E-10
8062	437313.3	3763083	1.46E-09	4.98E-09	6.44E-09	2.27E-10	8.13E-10	1.04E-09	1.22E-10	3.77E-10	5.00E-10
8063	437304.8	3763079	1.474E-09	5.03E-09	6.50E-09	2.29E-10	8.21E-10	1.05E-09	1.23E-10	3.81E-10	5.04E-10
8064	437296.3	3763076	1.488E-09	5.07E-09	6.56E-09	2.31E-10	8.29E-10	1.06E-09	1.25E-10	3.84E-10	5.09E-10
8065	437287.8	3763072	1.5E-09	5.11E-09	6.61E-09	2.33E-10	8.35E-10	1.07E-09	1.26E-10	3.87E-10	5.13E-10
8066	437279.3	3763069	1.511E-09	5.15E-09	6.66E-09	2.35E-10	8.41E-10	1.08E-09	1.26E-10	3.90E-10	5.17E-10
8067	437270.8	3763065	1.52E-09	5.18E-09	6.70E-09	2.36E-10	8.47E-10	1.08E-09	1.27E-10	3.93E-10	5.20E-10
8068	437262.3	3763062	1.528E-09	5.21E-09	6.74E-09	2.37E-10	8.51E-10	1.09E-09	1.28E-10	3.95E-10	5.23E-10
8069	437253.8	3763058	1.535E-09	5.23E-09	6.77E-09	2.39E-10	8.55E-10	1.09E-09	1.28E-10	3.97E-10	5.25E-10
8070	437245.3	3763055	1.54E-09	5.25E-09	6.79E-09	2.39E-10	8.58E-10	1.10E-09	1.29E-10	3.98E-10	5.27E-10
8071	437219.8	3763044	1.545E-09	5.27E-09	6.81E-09	2.40E-10	8.61E-10	1.10E-09	1.29E-10	3.99E-10	5.29E-10
8072	437211.3	3763041	1.543E-09	5.26E-09	6.80E-09	2.40E-10	8.60E-10	1.10E-09	1.29E-10	3.99E-10	5.28E-10
8073	437202.8	3763037	1.538E-09	5.25E-09	6.78E-09	2.39E-10	8.57E-10	1.10E-09	1.29E-10	3.97E-10	5.26E-10
8074	437190.8	3763025	1.594E-09	5.44E-09	7.03E-09	2.48E-10	8.88E-10	1.14E-09	1.33E-10	4.12E-10	5.45E-10
8075	437187.2	3763017	1.657E-09	5.65E-09	7.31E-09	2.58E-10	9.23E-10	1.18E-09	1.39E-10	4.28E-10	5.67E-10
8076	437183.7	3763008	1.722E-09	5.87E-09	7.59E-09	2.68E-10	9.59E-10	1.23E-09	1.44E-10	4.45E-10	5.89E-10
8077	437180.2	3763000	1.786E-09	6.09E-09	7.87E-09	2.77E-10	9.95E-10	1.27E-09	1.49E-10	4.61E-10	6.11E-10
8078	437144.9	3762915	2.308E-09	7.87E-09	1.02E-08	3.59E-10	1.29E-09	1.64E-09	1.93E-10	5.96E-10	7.90E-10
8079	437141.4	3762906	2.327E-09	7.93E-09	1.03E-08	3.61E-10	1.30E-09	1.66E-09	1.95E-10	6.01E-10	7.96E-10
8080	437364.3	3763104	1.369E-09	4.67E-09	6.04E-09	2.13E-10	7.63E-10	9.75E-10	1.15E-10	3.54E-10	4.68E-10
8081	437374	3763104	1.392E-09	4.75E-09	6.14E-09	2.16E-10	7.75E-10	9.91E-10	1.16E-10	3.60E-10	4.76E-10
8082	437383.6	3763104	1.416E-09	4.83E-09	6.24E-09	2.20E-10	7.89E-10	1.01E-09	1.18E-10	3.66E-10	4.84E-10
8083	437422.2	3763104	1.522E-09	5.19E-09	6.71E-09	2.36E-10	8.48E-10	1.08E-09	1.27E-10	3.93E-10	5.21E-10
8084	437431.9	3763104	1.551E-09	5.29E-09	6.84E-09	2.41E-10	8.64E-10	1.11E-09	1.30E-10	4.01E-10	5.31E-10
8085	437441.5	3763104	1.581E-09	5.39E-09	6.97E-09	2.46E-10	8.81E-10	1.13E-09	1.32E-10	4.09E-10	5.41E-10
8086	437451.2	3763104	1.613E-09	5.50E-09	7.11E-09	2.51E-10	8.99E-10	1.15E-09	1.35E-10	4.17E-10	5.52E-10
8087	437499.4	3763103	1.774E-09	6.05E-09	7.82E-09	2.76E-10	9.88E-10	1.26E-09	1.49E-10	4.58E-10	6.07E-10
8088	437509.1	3763103	1.826E-09	6.23E-09	8.05E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.72E-10	6.25E-10
8089	437518.7	3763103	1.883E-09	6.42E-09	8.30E-09	2.93E-10	1.05E-09	1.34E-09	1.58E-10	4.86E-10	6.44E-10
8090	437528.4	3763103	1.928E-09	6.58E-09	8.50E-09	3.00E-10	1.07E-09	1.37E-09	1.61E-10	4.98E-10	6.60E-10
8091	437538	3763103	1.975E-09	6.74E-09	8.71E-09	3.07E-10	1.10E-09	1.41E-09	1.65E-10	5.10E-10	6.76E-10
8092	437547.7	3763103	2.026E-09	6.91E-09	8.93E-09	3.15E-10	1.13E-09	1.44E-09	1.70E-10	5.23E-10	6.93E-10
8093	437355.6	3763120	1.206E-09	4.11E-09	5.32E-09	1.87E-10	6.72E-10	8.59E-10	1.01E-10	3.12E-10	4.13E-10
8094	437346.8	3763117	1.219E-09	4.16E-09	5.37E-09	1.89E-10	6.79E-10	8.68E-10	1.02E-10	3.15E-10	4.17E-10
8095	437338	3763113	1.232E-09	4.20E-09	5.43E-09	1.91E-10	6.86E-10	8.78E-10	1.03E-10	3.18E-10	4.21E-10
8096	437329.3	3763109	1.245E-09	4.25E-09	5.49E-09	1.93E-10	6.94E-10	8.87E-10	1.04E-10	3.22E-10	4.26E-10
8097	437320.5	3763106	1.258E-09	4.29E-09	5.55E-09	1.95E-10	7.01E-10	8.96E-10	1.05E-10	3.25E-10	4.30E-10
8098	437311.7	3763102	1.271E-09	4.33E-09	5.61E-09	1.98E-10	7.08E-10	9.06E-10	1.06E-10	3.28E-10	4.35E-10
8099	437302.9	3763098	1.284E-09	4.38E-09	5.66E-09	2.00E-10	7.15E-10	9.15E-10	1.07E-10	3.32E-10	4.39E-10
8100	437294.2	3763095	1.297E-09	4.42E-09	5.72E-09	2.01E-10	7.22E-10	9.24E-10	1.09E-10	3.35E-10	4.44E-10
8101	437285.4	3763091	1.309E-09	4.46E-09	5.77E-09	2.03E-10	7.29E-10	9.32E-10	1.10E-10	3.38E-10	4.48E-10
8102	437276.6	3763088	1.32E-09	4.50E-09	5.82E-09	2.05E-10	7.35E-10	9.40E-10	1.10E-10	3.41E-10	4.51E-10
8103	437267.9	3763084	1.33E-09	4.53E-09	5.86E-09	2.07E-10	7.41E-10	9.47E-10	1.11E-10	3.44E-10	4.55E-10
8104	437259.1	3763080	1.338E-09	4.56E-09	5.90E-09	2.08E-10	7.46E-10	9.54E-10	1.12E-10	3.46E-10	4.58E-10
8105	437250.3	3763077	1.346E-09	4.59E-09	5.93E-09	2.09E-10	7.50E-10	9.59E-10	1.13E-10	3.48E-10	4.60E-10
8106	437241.5	3763073	1.352E-09	4.61E-09	5.96E-09	2.10E-10	7.53E-10	9.63E-10	1.13E-10	3.49E-10	4.63E-10
8107	437232.8	3763069	1.357E-09	4.63E-09	5.98E-09	2.11E-10	7.56E-10	9.67E-10	1.14E-10	3.51E-10	4.64E-10
8108	437224	3763066	1.361E-09	4.64E-09	6.00E-09	2.11E-10	7.58E-10	9.69E-10	1.14E-10	3.52E-10	4.65E-10
8109	437215.2	3763062	1.362E-09	4.65E-09	6.01E-09	2.12E-10	7.59E-10	9.71E-10	1.14E-10	3.52E-10	4.66E-10

8110	437206.5	3763059	1.362E-09	4.65E-09	6.01E-09	2.12E-10	7.59E-10	9.71E-10	1.14E-10	3.52E-10	4.66E-10
8111	437197.7	3763055	1.361E-09	4.64E-09	6.00E-09	2.11E-10	7.58E-10	9.69E-10	1.14E-10	3.52E-10	4.66E-10
8112	437188.9	3763051	1.357E-09	4.63E-09	5.99E-09	2.11E-10	7.56E-10	9.67E-10	1.14E-10	3.51E-10	4.64E-10
8113	437143.8	3762960	1.883E-09	6.42E-09	8.30E-09	2.93E-10	1.05E-09	1.34E-09	1.58E-10	4.87E-10	6.44E-10
8114	437140.2	3762951	1.927E-09	6.57E-09	8.50E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.98E-10	6.59E-10
8115	437136.5	3762943	1.968E-09	6.71E-09	8.68E-09	3.06E-10	1.10E-09	1.40E-09	1.65E-10	5.09E-10	6.73E-10
8116	437132.9	3762934	2.006E-09	6.84E-09	8.84E-09	3.12E-10	1.12E-09	1.43E-09	1.68E-10	5.18E-10	6.86E-10
8117	437129.3	3762925	2.038E-09	6.95E-09	8.99E-09	3.17E-10	1.14E-09	1.45E-09	1.71E-10	5.27E-10	6.97E-10
8118	437125.6	3762916	2.067E-09	7.05E-09	9.11E-09	3.21E-10	1.15E-09	1.47E-09	1.73E-10	5.34E-10	7.07E-10
8119	437122	3762908	2.085E-09	7.11E-09	9.19E-09	3.24E-10	1.16E-09	1.49E-09	1.74E-10	5.39E-10	7.13E-10
8120	437118.3	3762899	2.098E-09	7.15E-09	9.25E-09	3.26E-10	1.17E-09	1.49E-09	1.76E-10	5.42E-10	7.18E-10
8121	437364.3	3763124	1.193E-09	4.07E-09	5.26E-09	1.85E-10	6.65E-10	8.50E-10	9.99E-11	3.08E-10	4.08E-10
8122	437374	3763124	1.212E-09	4.13E-09	5.34E-09	1.88E-10	6.75E-10	8.63E-10	1.01E-10	3.13E-10	4.15E-10
8123	437383.6	3763124	1.231E-09	4.20E-09	5.43E-09	1.91E-10	6.86E-10	8.77E-10	1.03E-10	3.18E-10	4.21E-10
8124	437422.2	3763124	1.316E-09	4.49E-09	5.80E-09	2.04E-10	7.33E-10	9.38E-10	1.10E-10	3.40E-10	4.50E-10
8125	437431.9	3763124	1.34E-09	4.57E-09	5.91E-09	2.08E-10	7.46E-10	9.55E-10	1.12E-10	3.46E-10	4.58E-10
8126	437441.5	3763124	1.364E-09	4.65E-09	6.02E-09	2.12E-10	7.60E-10	9.72E-10	1.14E-10	3.52E-10	4.67E-10
8127	437451.2	3763124	1.39E-09	4.74E-09	6.13E-09	2.16E-10	7.74E-10	9.90E-10	1.16E-10	3.59E-10	4.75E-10
8128	437460.8	3763124	1.417E-09	4.83E-09	6.25E-09	2.20E-10	7.89E-10	1.01E-09	1.19E-10	3.66E-10	4.85E-10
8129	437470.5	3763124	1.441E-09	4.91E-09	6.36E-09	2.24E-10	8.03E-10	1.03E-09	1.21E-10	3.72E-10	4.93E-10
8130	437499.5	3763123	1.521E-09	5.19E-09	6.71E-09	2.36E-10	8.47E-10	1.08E-09	1.27E-10	3.93E-10	5.20E-10
8131	437509.1	3763123	1.557E-09	5.31E-09	6.86E-09	2.42E-10	8.67E-10	1.11E-09	1.30E-10	4.02E-10	5.33E-10
8132	437518.8	3763123	1.595E-09	5.44E-09	7.03E-09	2.48E-10	8.88E-10	1.14E-09	1.33E-10	4.12E-10	5.46E-10
8133	437528.4	3763123	1.631E-09	5.56E-09	7.19E-09	2.53E-10	9.08E-10	1.16E-09	1.36E-10	4.21E-10	5.58E-10
8134	437538.1	3763123	1.668E-09	5.69E-09	7.36E-09	2.59E-10	9.29E-10	1.19E-09	1.40E-10	4.31E-10	5.71E-10
8135	437547.7	3763123	1.708E-09	5.82E-09	7.53E-09	2.65E-10	9.52E-10	1.22E-09	1.43E-10	4.41E-10	5.84E-10
8136	437355.8	3763140	1.059E-09	3.61E-09	4.67E-09	1.65E-10	5.90E-10	7.54E-10	8.86E-11	2.74E-10	3.62E-10
8137	437347.1	3763137	1.069E-09	3.65E-09	4.71E-09	1.66E-10	5.96E-10	7.62E-10	8.95E-11	2.76E-10	3.66E-10
8138	437338.5	3763133	1.08E-09	3.68E-09	4.76E-09	1.68E-10	6.01E-10	7.69E-10	9.04E-11	2.79E-10	3.69E-10
8139	437329.9	3763130	1.091E-09	3.72E-09	4.81E-09	1.69E-10	6.08E-10	7.77E-10	9.13E-11	2.82E-10	3.73E-10
8140	437321.3	3763126	1.102E-09	3.76E-09	4.86E-09	1.71E-10	6.14E-10	7.85E-10	9.22E-11	2.85E-10	3.77E-10
8141	437312.6	3763122	1.113E-09	3.79E-09	4.91E-09	1.73E-10	6.20E-10	7.93E-10	9.31E-11	2.87E-10	3.81E-10
8142	437304	3763119	1.123E-09	3.83E-09	4.95E-09	1.75E-10	6.26E-10	8.00E-10	9.40E-11	2.90E-10	3.84E-10
8143	437295.4	3763115	1.134E-09	3.87E-09	5.00E-09	1.76E-10	6.32E-10	8.08E-10	9.49E-11	2.93E-10	3.88E-10
8144	437286.8	3763112	1.145E-09	3.90E-09	5.05E-09	1.78E-10	6.38E-10	8.16E-10	9.58E-11	2.96E-10	3.92E-10
8145	437278.1	3763108	1.155E-09	3.94E-09	5.09E-09	1.79E-10	6.43E-10	8.23E-10	9.67E-11	2.98E-10	3.95E-10
8146	437269.5	3763105	1.165E-09	3.97E-09	5.14E-09	1.81E-10	6.49E-10	8.30E-10	9.75E-11	3.01E-10	3.98E-10
8147	437260.9	3763101	1.174E-09	4.00E-09	5.18E-09	1.82E-10	6.54E-10	8.36E-10	9.83E-11	3.03E-10	4.02E-10
8148	437252.3	3763098	1.182E-09	4.03E-09	5.21E-09	1.84E-10	6.59E-10	8.42E-10	9.89E-11	3.05E-10	4.04E-10
8149	437243.6	3763094	1.189E-09	4.06E-09	5.25E-09	1.85E-10	6.63E-10	8.47E-10	9.96E-11	3.07E-10	4.07E-10
8150	437235	3763090	1.196E-09	4.08E-09	5.27E-09	1.86E-10	6.66E-10	8.52E-10	1.00E-10	3.09E-10	4.09E-10
8151	437226.4	3763087	1.201E-09	4.10E-09	5.30E-09	1.87E-10	6.69E-10	8.56E-10	1.01E-10	3.10E-10	4.11E-10
8152	437217.8	3763083	1.205E-09	4.11E-09	5.32E-09	1.87E-10	6.71E-10	8.59E-10	1.01E-10	3.11E-10	4.12E-10
8153	437209.1	3763080	1.209E-09	4.12E-09	5.33E-09	1.88E-10	6.73E-10	8.61E-10	1.01E-10	3.12E-10	4.13E-10
8154	437200.5	3763076	1.21E-09	4.13E-09	5.34E-09	1.88E-10	6.74E-10	8.62E-10	1.01E-10	3.13E-10	4.14E-10
8155	437191.9	3763073	1.211E-09	4.13E-09	5.34E-09	1.88E-10	6.74E-10	8.62E-10	1.01E-10	3.13E-10	4.14E-10
8156	437183.3	3763069	1.209E-09	4.12E-09	5.33E-09	1.88E-10	6.74E-10	8.61E-10	1.01E-10	3.12E-10	4.14E-10
8157	437144.6	3763010	1.479E-09	5.04E-09	6.52E-09	2.30E-10	8.24E-10	1.05E-09	1.24E-10	3.82E-10	5.06E-10
8158	437141	3763002	1.524E-09	5.20E-09	6.72E-09	2.37E-10	8.49E-10	1.09E-09	1.28E-10	3.94E-10	5.21E-10
8159	437137.4	3762993	1.568E-09	5.35E-09	6.91E-09	2.44E-10	8.73E-10	1.12E-09	1.31E-10	4.05E-10	5.36E-10
8160	437133.8	3762984	1.611E-09	5.49E-09	7.10E-09	2.50E-10	8.97E-10	1.15E-09	1.35E-10	4.16E-10	5.51E-10
8161	437130.3	3762976	1.652E-09	5.63E-09	7.28E-09	2.57E-10	9.20E-10	1.18E-09	1.38E-10	4.27E-10	5.65E-10
8162	437126.7	3762967	1.691E-09	5.77E-09	7.46E-09	2.63E-10	9.42E-10	1.20E-09	1.42E-10	4.37E-10	5.78E-10
8163	437123.1	3762959	1.728E-09	5.89E-09	7.62E-09	2.68E-10	9.63E-10	1.23E-09	1.45E-10	4.46E-10	5.91E-10
8164	437119.6	3762950	1.762E-09	6.01E-09	7.77E-09	2.74E-10	9.82E-10	1.26E-09	1.48E-10	4.55E-10	6.03E-10
8165	437116	3762941	1.794E-09	6.12E-09	7.91E-09	2.79E-10	9.99E-10	1.28E-09	1.50E-10	4.63E-10	6.14E-10
8166	437112.4	3762933	1.822E-09	6.21E-09	8.03E-09	2.83E-10	1.01E-09	1.30E-09	1.52E-10	4.71E-10	6.23E-10
8167	437108.8	3762924	1.846E-09	6.29E-09	8.14E-09	2.87E-10	1.03E-09	1.32E-09	1.54E-10	4.77E-10	6.31E-10
8168	437105.3	3762915	1.866E-09	6.36E-09	8.23E-09	2.90E-10	1.04E-09	1.33E-09	1.56E-10	4.82E-10	6.38E-10
8169	437101.7	3762907	1.883E-09	6.42E-09	8.30E-09	2.93E-10	1.05E-09	1.34E-09	1.58E-10	4.87E-10	6.44E-10
8170	437098.1	3762898	1.895E-09	6.46E-09	8.36E-09	2.94E-10	1.06E-09	1.35E-09	1.59E-10	4.90E-10	6.48E-10

8171	437364.4	3763144	1.049E-09	3.58E-09	4.62E-09	1.63E-10	5.84E-10	7.47E-10	8.78E-11	2.71E-10	3.59E-10
8172	437374	3763144	1.064E-09	3.63E-09	4.69E-09	1.65E-10	5.93E-10	7.58E-10	8.91E-11	2.75E-10	3.64E-10
8173	437383.7	3763144	1.08E-09	3.68E-09	4.76E-09	1.68E-10	6.01E-10	7.69E-10	9.04E-11	2.79E-10	3.69E-10
8174	437422.3	3763144	1.15E-09	3.92E-09	5.07E-09	1.79E-10	6.40E-10	8.19E-10	9.62E-11	2.97E-10	3.93E-10
8175	437431.9	3763144	1.169E-09	3.99E-09	5.15E-09	1.82E-10	6.51E-10	8.33E-10	9.78E-11	3.02E-10	4.00E-10
8176	437441.6	3763144	1.189E-09	4.05E-09	5.24E-09	1.85E-10	6.62E-10	8.47E-10	9.95E-11	3.07E-10	4.07E-10
8177	437451.2	3763144	1.21E-09	4.13E-09	5.34E-09	1.88E-10	6.74E-10	8.62E-10	1.01E-10	3.13E-10	4.14E-10
8178	437460.9	3763144	1.232E-09	4.20E-09	5.43E-09	1.91E-10	6.86E-10	8.78E-10	1.03E-10	3.18E-10	4.21E-10
8179	437470.5	3763144	1.254E-09	4.28E-09	5.53E-09	1.95E-10	6.99E-10	8.94E-10	1.05E-10	3.24E-10	4.29E-10
8180	437509.1	3763143	1.34E-09	4.57E-09	5.91E-09	2.08E-10	7.47E-10	9.55E-10	1.12E-10	3.46E-10	4.58E-10
8181	437518.8	3763143	1.362E-09	4.65E-09	6.01E-09	2.12E-10	7.59E-10	9.71E-10	1.14E-10	3.52E-10	4.66E-10
8182	437528.4	3763143	1.392E-09	4.75E-09	6.14E-09	2.16E-10	7.75E-10	9.91E-10	1.16E-10	3.60E-10	4.76E-10
8183	437538.1	3763143	1.423E-09	4.85E-09	6.28E-09	2.21E-10	7.93E-10	1.01E-09	1.19E-10	3.68E-10	4.87E-10
8184	437547.7	3763143	1.457E-09	4.97E-09	6.43E-09	2.26E-10	8.12E-10	1.04E-09	1.22E-10	3.77E-10	4.99E-10
8185	437355.6	3763160	9.367E-10	3.19E-09	4.13E-09	1.46E-10	5.22E-10	6.67E-10	7.84E-11	2.42E-10	3.20E-10
8186	437346.7	3763156	9.456E-10	3.22E-09	4.17E-09	1.47E-10	5.27E-10	6.74E-10	7.91E-11	2.44E-10	3.23E-10
8187	437337.9	3763153	9.548E-10	3.26E-09	4.21E-09	1.48E-10	5.32E-10	6.80E-10	7.99E-11	2.47E-10	3.27E-10
8188	437329	3763149	9.642E-10	3.29E-09	4.25E-09	1.50E-10	5.37E-10	6.87E-10	8.07E-11	2.49E-10	3.30E-10
8189	437320.1	3763145	9.738E-10	3.32E-09	4.29E-09	1.51E-10	5.42E-10	6.94E-10	8.15E-11	2.52E-10	3.33E-10
8190	437311.3	3763142	9.835E-10	3.35E-09	4.34E-09	1.53E-10	5.48E-10	7.01E-10	8.23E-11	2.54E-10	3.36E-10
8191	437302.4	3763138	9.93E-10	3.39E-09	4.38E-09	1.54E-10	5.53E-10	7.07E-10	8.31E-11	2.57E-10	3.40E-10
8192	437293.6	3763135	1.003E-09	3.42E-09	4.42E-09	1.56E-10	5.58E-10	7.14E-10	8.39E-11	2.59E-10	3.43E-10
8193	437284.7	3763131	1.012E-09	3.45E-09	4.46E-09	1.57E-10	5.64E-10	7.21E-10	8.47E-11	2.61E-10	3.46E-10
8194	437275.9	3763127	1.021E-09	3.48E-09	4.50E-09	1.59E-10	5.69E-10	7.28E-10	8.55E-11	2.64E-10	3.49E-10
8195	437267	3763124	1.03E-09	3.51E-09	4.54E-09	1.60E-10	5.74E-10	7.34E-10	8.62E-11	2.66E-10	3.52E-10
8196	437258.2	3763120	1.039E-09	3.54E-09	4.58E-09	1.61E-10	5.79E-10	7.40E-10	8.70E-11	2.68E-10	3.55E-10
8197	437249.3	3763116	1.047E-09	3.57E-09	4.62E-09	1.63E-10	5.83E-10	7.46E-10	8.77E-11	2.71E-10	3.58E-10
8198	437240.4	3763113	1.055E-09	3.60E-09	4.65E-09	1.64E-10	5.88E-10	7.52E-10	8.83E-11	2.73E-10	3.61E-10
8199	437231.6	3763109	1.061E-09	3.62E-09	4.68E-09	1.65E-10	5.91E-10	7.56E-10	8.88E-11	2.74E-10	3.63E-10
8200	437222.7	3763105	1.067E-09	3.64E-09	4.71E-09	1.66E-10	5.94E-10	7.60E-10	8.93E-11	2.76E-10	3.65E-10
8201	437213.9	3763102	1.072E-09	3.66E-09	4.73E-09	1.67E-10	5.97E-10	7.64E-10	8.97E-11	2.77E-10	3.67E-10
8202	437205	3763098	1.077E-09	3.67E-09	4.75E-09	1.67E-10	6.00E-10	7.67E-10	9.01E-11	2.78E-10	3.68E-10
8203	437196.2	3763094	1.08E-09	3.68E-09	4.76E-09	1.68E-10	6.01E-10	7.69E-10	9.04E-11	2.79E-10	3.69E-10
8204	437187.3	3763091	1.082E-09	3.69E-09	4.77E-09	1.68E-10	6.03E-10	7.71E-10	9.05E-11	2.79E-10	3.70E-10
8205	437144.6	3763058	1.157E-09	3.94E-09	5.10E-09	1.80E-10	6.44E-10	8.24E-10	9.68E-11	2.99E-10	3.96E-10
8206	437140.9	3763050	1.197E-09	4.08E-09	5.28E-09	1.86E-10	6.67E-10	8.53E-10	1.00E-10	3.09E-10	4.10E-10
8207	437137.2	3763041	1.238E-09	4.22E-09	5.46E-09	1.92E-10	6.90E-10	8.82E-10	1.04E-10	3.20E-10	4.24E-10
8208	437133.5	3763032	1.279E-09	4.36E-09	5.64E-09	1.99E-10	7.13E-10	9.11E-10	1.07E-10	3.31E-10	4.38E-10
8209	437129.9	3763023	1.32E-09	4.50E-09	5.82E-09	2.05E-10	7.35E-10	9.40E-10	1.10E-10	3.41E-10	4.52E-10
8210	437126.2	3763014	1.36E-09	4.64E-09	6.00E-09	2.11E-10	7.58E-10	9.69E-10	1.14E-10	3.51E-10	4.65E-10
8211	437122.5	3763005	1.399E-09	4.77E-09	6.17E-09	2.17E-10	7.80E-10	9.97E-10	1.17E-10	3.62E-10	4.79E-10
8212	437118.9	3762996	1.438E-09	4.90E-09	6.34E-09	2.23E-10	8.01E-10	1.02E-09	1.20E-10	3.71E-10	4.92E-10
8213	437115.2	3762988	1.475E-09	5.03E-09	6.50E-09	2.29E-10	8.21E-10	1.05E-09	1.23E-10	3.81E-10	5.04E-10
8214	437111.5	3762979	1.51E-09	5.15E-09	6.66E-09	2.35E-10	8.41E-10	1.08E-09	1.26E-10	3.90E-10	5.17E-10
8215	437107.8	3762970	1.543E-09	5.26E-09	6.81E-09	2.40E-10	8.60E-10	1.10E-09	1.29E-10	3.99E-10	5.28E-10
8216	437104.2	3762961	1.574E-09	5.37E-09	6.94E-09	2.45E-10	8.77E-10	1.12E-09	1.32E-10	4.07E-10	5.39E-10
8217	437100.5	3762952	1.603E-09	5.47E-09	7.07E-09	2.49E-10	8.93E-10	1.14E-09	1.34E-10	4.14E-10	5.48E-10
8218	437096.8	3762943	1.629E-09	5.55E-09	7.18E-09	2.53E-10	9.07E-10	1.16E-09	1.36E-10	4.21E-10	5.57E-10
8219	437093.2	3762935	1.651E-09	5.63E-09	7.28E-09	2.57E-10	9.20E-10	1.18E-09	1.38E-10	4.27E-10	5.65E-10
8220	437089.5	3762926	1.67E-09	5.70E-09	7.37E-09	2.60E-10	9.30E-10	1.19E-09	1.40E-10	4.32E-10	5.71E-10
8221	437085.8	3762917	1.687E-09	5.75E-09	7.44E-09	2.62E-10	9.40E-10	1.20E-09	1.41E-10	4.36E-10	5.77E-10
8222	437082.2	3762908	1.7E-09	5.80E-09	7.50E-09	2.64E-10	9.47E-10	1.21E-09	1.42E-10	4.39E-10	5.81E-10
8223	437078.5	3762899	1.71E-09	5.83E-09	7.54E-09	2.66E-10	9.52E-10	1.22E-09	1.43E-10	4.42E-10	5.85E-10
8224	437364.4	3763164	9.281E-10	3.16E-09	4.09E-09	1.44E-10	5.17E-10	6.61E-10	7.77E-11	2.40E-10	3.17E-10
8225	437374.1	3763164	9.408E-10	3.21E-09	4.15E-09	1.46E-10	5.24E-10	6.70E-10	7.87E-11	2.43E-10	3.22E-10
8226	437383.7	3763164	9.535E-10	3.25E-09	4.20E-09	1.48E-10	5.31E-10	6.79E-10	7.98E-11	2.46E-10	3.26E-10
8227	437422.3	3763164	1.012E-09	3.45E-09	4.46E-09	1.57E-10	5.64E-10	7.21E-10	8.47E-11	2.61E-10	3.46E-10
8228	437432	3763164	1.028E-09	3.51E-09	4.54E-09	1.60E-10	5.73E-10	7.33E-10	8.61E-11	2.66E-10	3.52E-10
8229	437441.6	3763164	1.046E-09	3.57E-09	4.61E-09	1.62E-10	5.82E-10	7.45E-10	8.75E-11	2.70E-10	3.58E-10
8230	437451.3	3763164	1.063E-09	3.63E-09	4.69E-09	1.65E-10	5.92E-10	7.57E-10	8.90E-11	2.75E-10	3.64E-10
8231	437460.9	3763164	1.081E-09	3.69E-09	4.77E-09	1.68E-10	6.02E-10	7.70E-10	9.05E-11	2.79E-10	3.70E-10

8232	437470.6	3763164	1.1E-09	3.75E-09	4.85E-09	1.71E-10	6.13E-10	7.83E-10	9.20E-11	2.84E-10	3.76E-10
8233	437509.2	3763163	1.171E-09	3.99E-09	5.17E-09	1.82E-10	6.53E-10	8.35E-10	9.80E-11	3.03E-10	4.01E-10
8234	437518.8	3763163	1.186E-09	4.04E-09	5.23E-09	1.84E-10	6.60E-10	8.45E-10	9.92E-11	3.06E-10	4.06E-10
8235	437528.5	3763163	1.205E-09	4.11E-09	5.32E-09	1.87E-10	6.72E-10	8.59E-10	1.01E-10	3.11E-10	4.12E-10
8236	437538.1	3763163	1.227E-09	4.18E-09	5.41E-09	1.91E-10	6.84E-10	8.74E-10	1.03E-10	3.17E-10	4.20E-10
8237	437547.8	3763163	1.25E-09	4.26E-09	5.51E-09	1.94E-10	6.97E-10	8.91E-10	1.05E-10	3.23E-10	4.28E-10
8238	437355.8	3763190	7.885E-10	2.69E-09	3.48E-09	1.23E-10	4.39E-10	5.62E-10	6.60E-11	2.04E-10	2.70E-10
8239	437347.2	3763187	7.954E-10	2.71E-09	3.51E-09	1.24E-10	4.43E-10	5.67E-10	6.66E-11	2.06E-10	2.72E-10
8240	437338.5	3763183	8.024E-10	2.74E-09	3.54E-09	1.25E-10	4.47E-10	5.72E-10	6.72E-11	2.07E-10	2.75E-10
8241	437329.9	3763179	8.097E-10	2.76E-09	3.57E-09	1.26E-10	4.51E-10	5.77E-10	6.78E-11	2.09E-10	2.77E-10
8242	437321.2	3763176	8.17E-10	2.79E-09	3.60E-09	1.27E-10	4.55E-10	5.82E-10	6.84E-11	2.11E-10	2.79E-10
8243	437312.5	3763172	8.246E-10	2.81E-09	3.64E-09	1.28E-10	4.59E-10	5.87E-10	6.90E-11	2.13E-10	2.82E-10
8244	437303.9	3763169	8.321E-10	2.84E-09	3.67E-09	1.29E-10	4.64E-10	5.93E-10	6.97E-11	2.15E-10	2.85E-10
8245	437295.2	3763165	8.396E-10	2.86E-09	3.70E-09	1.30E-10	4.68E-10	5.98E-10	7.03E-11	2.17E-10	2.87E-10
8246	437286.6	3763162	8.471E-10	2.89E-09	3.74E-09	1.32E-10	4.72E-10	6.04E-10	7.09E-11	2.19E-10	2.90E-10
8247	437277.9	3763158	8.546E-10	2.91E-09	3.77E-09	1.33E-10	4.76E-10	6.09E-10	7.15E-11	2.21E-10	2.92E-10
8248	437269.2	3763154	8.622E-10	2.94E-09	3.80E-09	1.34E-10	4.80E-10	6.14E-10	7.22E-11	2.23E-10	2.95E-10
8249	437260.6	3763151	8.697E-10	2.97E-09	3.84E-09	1.35E-10	4.84E-10	6.20E-10	7.28E-11	2.25E-10	2.98E-10
8250	437251.9	3763147	8.749E-10	2.98E-09	3.86E-09	1.36E-10	4.87E-10	6.23E-10	7.32E-11	2.26E-10	2.99E-10
8251	437243.3	3763144	8.791E-10	3.00E-09	3.88E-09	1.37E-10	4.90E-10	6.26E-10	7.36E-11	2.27E-10	3.01E-10
8252	437234.6	3763140	8.829E-10	3.01E-09	3.89E-09	1.37E-10	4.92E-10	6.29E-10	7.39E-11	2.28E-10	3.02E-10
8253	437225.9	3763137	8.885E-10	3.03E-09	3.92E-09	1.38E-10	4.95E-10	6.33E-10	7.44E-11	2.30E-10	3.04E-10
8254	437217.3	3763133	8.949E-10	3.05E-09	3.95E-09	1.39E-10	4.99E-10	6.38E-10	7.49E-11	2.31E-10	3.06E-10
8255	437208.6	3763129	9.035E-10	3.08E-09	3.98E-09	1.40E-10	5.03E-10	6.44E-10	7.56E-11	2.33E-10	3.09E-10
8256	437200	3763126	9.122E-10	3.11E-09	4.02E-09	1.42E-10	5.08E-10	6.50E-10	7.64E-11	2.36E-10	3.12E-10
8257	437191.3	3763122	9.161E-10	3.12E-09	4.04E-09	1.42E-10	5.10E-10	6.53E-10	7.67E-11	2.37E-10	3.13E-10
8258	437182.7	3763119	9.198E-10	3.14E-09	4.06E-09	1.43E-10	5.12E-10	6.55E-10	7.70E-11	2.38E-10	3.15E-10
8259	437139.4	3763101	9.245E-10	3.15E-09	4.08E-09	1.44E-10	5.15E-10	6.59E-10	7.74E-11	2.39E-10	3.16E-10
8260	437127.1	3763089	9.542E-10	3.25E-09	4.21E-09	1.48E-10	5.32E-10	6.80E-10	7.99E-11	2.47E-10	3.26E-10
8261	437123.5	3763080	9.859E-10	3.36E-09	4.35E-09	1.53E-10	5.49E-10	7.02E-10	8.25E-11	2.55E-10	3.37E-10
8262	437119.9	3763071	1.018E-09	3.47E-09	4.49E-09	1.58E-10	5.67E-10	7.25E-10	8.52E-11	2.63E-10	3.48E-10
8263	437116.3	3763063	1.05E-09	3.58E-09	4.63E-09	1.63E-10	5.85E-10	7.48E-10	8.79E-11	2.71E-10	3.59E-10
8264	437112.8	3763054	1.082E-09	3.69E-09	4.77E-09	1.68E-10	6.03E-10	7.71E-10	9.06E-11	2.80E-10	3.70E-10
8265	437109.2	3763045	1.115E-09	3.80E-09	4.91E-09	1.73E-10	6.21E-10	7.94E-10	9.33E-11	2.88E-10	3.81E-10
8266	437105.6	3763037	1.147E-09	3.91E-09	5.06E-09	1.78E-10	6.39E-10	8.17E-10	9.60E-11	2.96E-10	3.92E-10
8267	437102	3763028	1.178E-09	4.02E-09	5.20E-09	1.83E-10	6.56E-10	8.39E-10	9.86E-11	3.04E-10	4.03E-10
8268	437098.4	3763019	1.209E-09	4.12E-09	5.33E-09	1.88E-10	6.74E-10	8.61E-10	1.01E-10	3.12E-10	4.14E-10
8269	437094.8	3763011	1.239E-09	4.23E-09	5.46E-09	1.93E-10	6.90E-10	8.83E-10	1.04E-10	3.20E-10	4.24E-10
8270	437091.2	3763002	1.268E-09	4.32E-09	5.59E-09	1.97E-10	7.06E-10	9.03E-10	1.06E-10	3.28E-10	4.34E-10
8271	437087.6	3762994	1.296E-09	4.42E-09	5.72E-09	2.01E-10	7.22E-10	9.23E-10	1.08E-10	3.35E-10	4.43E-10
8272	437084	3762985	1.323E-09	4.51E-09	5.83E-09	2.06E-10	7.37E-10	9.42E-10	1.11E-10	3.42E-10	4.52E-10
8273	437080.5	3762976	1.348E-09	4.59E-09	5.94E-09	2.09E-10	7.51E-10	9.60E-10	1.13E-10	3.48E-10	4.61E-10
8274	437076.9	3762968	1.371E-09	4.67E-09	6.04E-09	2.13E-10	7.64E-10	9.77E-10	1.15E-10	3.54E-10	4.69E-10
8275	437073.3	3762959	1.392E-09	4.75E-09	6.14E-09	2.16E-10	7.75E-10	9.92E-10	1.17E-10	3.60E-10	4.76E-10
8276	437069.7	3762950	1.411E-09	4.81E-09	6.22E-09	2.19E-10	7.86E-10	1.01E-09	1.18E-10	3.65E-10	4.83E-10
8277	437066.1	3762942	1.427E-09	4.87E-09	6.29E-09	2.22E-10	7.95E-10	1.02E-09	1.19E-10	3.69E-10	4.88E-10
8278	437062.5	3762933	1.441E-09	4.91E-09	6.35E-09	2.24E-10	8.03E-10	1.03E-09	1.21E-10	3.72E-10	4.93E-10
8279	437058.9	3762924	1.454E-09	4.96E-09	6.41E-09	2.26E-10	8.10E-10	1.04E-09	1.22E-10	3.76E-10	4.97E-10
8280	437055.3	3762916	1.465E-09	4.99E-09	6.46E-09	2.28E-10	8.16E-10	1.04E-09	1.23E-10	3.78E-10	5.01E-10
8281	437364.5	3763194	7.817E-10	2.67E-09	3.45E-09	1.21E-10	4.35E-10	5.57E-10	6.54E-11	2.02E-10	2.67E-10
8282	437374.1	3763194	7.914E-10	2.70E-09	3.49E-09	1.23E-10	4.41E-10	5.64E-10	6.62E-11	2.05E-10	2.71E-10
8283	437383.8	3763194	8.018E-10	2.73E-09	3.54E-09	1.25E-10	4.47E-10	5.71E-10	6.71E-11	2.07E-10	2.74E-10
8284	437422.4	3763194	8.443E-10	2.88E-09	3.72E-09	1.31E-10	4.70E-10	6.02E-10	7.07E-11	2.18E-10	2.89E-10
8285	437432	3763194	8.598E-10	2.93E-09	3.79E-09	1.34E-10	4.79E-10	6.13E-10	7.20E-11	2.22E-10	2.94E-10
8286	437441.7	3763194	8.73E-10	2.98E-09	3.85E-09	1.36E-10	4.86E-10	6.22E-10	7.31E-11	2.26E-10	2.99E-10
8287	437451.3	3763194	8.862E-10	3.02E-09	3.91E-09	1.38E-10	4.94E-10	6.31E-10	7.42E-11	2.29E-10	3.03E-10
8288	437461	3763194	8.999E-10	3.07E-09	3.97E-09	1.40E-10	5.01E-10	6.41E-10	7.53E-11	2.33E-10	3.08E-10
8289	437470.6	3763194	9.141E-10	3.12E-09	4.03E-09	1.42E-10	5.09E-10	6.51E-10	7.65E-11	2.36E-10	3.13E-10
8290	437509.2	3763193	9.757E-10	3.33E-09	4.30E-09	1.52E-10	5.44E-10	6.95E-10	8.17E-11	2.52E-10	3.34E-10
8291	437518.9	3763193	9.876E-10	3.37E-09	4.36E-09	1.53E-10	5.50E-10	7.04E-10	8.27E-11	2.55E-10	3.38E-10
8292	437528.5	3763193	9.983E-10	3.40E-09	4.40E-09	1.55E-10	5.56E-10	7.11E-10	8.36E-11	2.58E-10	3.42E-10

8293	437538.2	3763193	1.01E-09	3.44E-09	4.45E-09	1.57E-10	5.63E-10	7.20E-10	8.46E-11	2.61E-10	3.46E-10
8294	437547.8	3763193	1.023E-09	3.49E-09	4.51E-09	1.59E-10	5.70E-10	7.29E-10	8.56E-11	2.64E-10	3.50E-10
8295	437355.8	3763220	6.729E-10	2.29E-09	2.97E-09	1.05E-10	3.75E-10	4.79E-10	5.63E-11	1.74E-10	2.30E-10
8296	437347	3763216	6.783E-10	2.31E-09	2.99E-09	1.05E-10	3.78E-10	4.83E-10	5.68E-11	1.75E-10	2.32E-10
8297	437338.2	3763213	6.84E-10	2.33E-09	3.02E-09	1.06E-10	3.81E-10	4.87E-10	5.73E-11	1.77E-10	2.34E-10
8298	437329.4	3763209	6.899E-10	2.35E-09	3.04E-09	1.07E-10	3.84E-10	4.92E-10	5.77E-11	1.78E-10	2.36E-10
8299	437320.6	3763206	6.959E-10	2.37E-09	3.07E-09	1.08E-10	3.88E-10	4.96E-10	5.83E-11	1.80E-10	2.38E-10
8300	437311.8	3763202	7.021E-10	2.39E-09	3.10E-09	1.09E-10	3.91E-10	5.00E-10	5.88E-11	1.81E-10	2.40E-10
8301	437303	3763198	7.082E-10	2.41E-09	3.12E-09	1.10E-10	3.95E-10	5.05E-10	5.93E-11	1.83E-10	2.42E-10
8302	437294.2	3763195	7.144E-10	2.44E-09	3.15E-09	1.11E-10	3.98E-10	5.09E-10	5.98E-11	1.85E-10	2.44E-10
8303	437285.4	3763191	7.207E-10	2.46E-09	3.18E-09	1.12E-10	4.01E-10	5.13E-10	6.03E-11	1.86E-10	2.47E-10
8304	437276.6	3763187	7.271E-10	2.48E-09	3.21E-09	1.13E-10	4.05E-10	5.18E-10	6.09E-11	1.88E-10	2.49E-10
8305	437267.8	3763184	7.336E-10	2.50E-09	3.23E-09	1.14E-10	4.09E-10	5.23E-10	6.14E-11	1.90E-10	2.51E-10
8306	437259	3763180	7.401E-10	2.52E-09	3.26E-09	1.15E-10	4.12E-10	5.27E-10	6.19E-11	1.91E-10	2.53E-10
8307	437250.2	3763177	7.463E-10	2.54E-09	3.29E-09	1.16E-10	4.16E-10	5.32E-10	6.25E-11	1.93E-10	2.55E-10
8308	437241.4	3763173	7.496E-10	2.56E-09	3.31E-09	1.16E-10	4.18E-10	5.34E-10	6.27E-11	1.94E-10	2.56E-10
8309	437232.6	3763169	7.521E-10	2.56E-09	3.32E-09	1.17E-10	4.19E-10	5.36E-10	6.30E-11	1.94E-10	2.57E-10
8310	437223.8	3763166	7.558E-10	2.58E-09	3.33E-09	1.17E-10	4.21E-10	5.38E-10	6.33E-11	1.95E-10	2.59E-10
8311	437215	3763162	7.596E-10	2.59E-09	3.35E-09	1.18E-10	4.23E-10	5.41E-10	6.36E-11	1.96E-10	2.60E-10
8312	437206.3	3763158	7.637E-10	2.60E-09	3.37E-09	1.19E-10	4.25E-10	5.44E-10	6.39E-11	1.97E-10	2.61E-10
8313	437197.5	3763155	7.679E-10	2.62E-09	3.39E-09	1.19E-10	4.28E-10	5.47E-10	6.43E-11	1.98E-10	2.63E-10
8314	437188.7	3763151	7.725E-10	2.63E-09	3.41E-09	1.20E-10	4.30E-10	5.50E-10	6.47E-11	2.00E-10	2.64E-10
8315	437144.7	3763133	7.985E-10	2.72E-09	3.52E-09	1.24E-10	4.45E-10	5.69E-10	6.68E-11	2.06E-10	2.73E-10
8316	437135.9	3763129	7.998E-10	2.73E-09	3.53E-09	1.24E-10	4.46E-10	5.70E-10	6.69E-11	2.07E-10	2.74E-10
8317	437127.1	3763126	8.002E-10	2.73E-09	3.53E-09	1.24E-10	4.46E-10	5.70E-10	6.70E-11	2.07E-10	2.74E-10
8318	437118.3	3763122	7.999E-10	2.73E-09	3.53E-09	1.24E-10	4.46E-10	5.70E-10	6.70E-11	2.07E-10	2.74E-10
8319	437105.9	3763110	8.25E-10	2.81E-09	3.64E-09	1.28E-10	4.60E-10	5.88E-10	6.91E-11	2.13E-10	2.82E-10
8320	437102.2	3763101	8.511E-10	2.90E-09	3.75E-09	1.32E-10	4.74E-10	6.06E-10	7.12E-11	2.20E-10	2.91E-10
8321	437098.6	3763092	8.776E-10	2.99E-09	3.87E-09	1.36E-10	4.89E-10	6.25E-10	7.35E-11	2.27E-10	3.00E-10
8322	437094.9	3763083	9.042E-10	3.08E-09	3.99E-09	1.41E-10	5.04E-10	6.44E-10	7.57E-11	2.34E-10	3.09E-10
8323	437091.3	3763075	9.31E-10	3.17E-09	4.11E-09	1.45E-10	5.19E-10	6.63E-10	7.79E-11	2.41E-10	3.19E-10
8324	437087.6	3763066	9.579E-10	3.27E-09	4.22E-09	1.49E-10	5.34E-10	6.82E-10	8.02E-11	2.48E-10	3.28E-10
8325	437084	3763057	9.845E-10	3.36E-09	4.34E-09	1.53E-10	5.48E-10	7.01E-10	8.24E-11	2.54E-10	3.37E-10
8326	437080.4	3763048	1.011E-09	3.45E-09	4.46E-09	1.57E-10	5.63E-10	7.20E-10	8.46E-11	2.61E-10	3.46E-10
8327	437076.7	3763039	1.037E-09	3.54E-09	4.57E-09	1.61E-10	5.78E-10	7.39E-10	8.68E-11	2.68E-10	3.55E-10
8328	437073.1	3763031	1.062E-09	3.62E-09	4.68E-09	1.65E-10	5.92E-10	7.57E-10	8.89E-11	2.74E-10	3.63E-10
8329	437069.4	3763022	1.087E-09	3.71E-09	4.79E-09	1.69E-10	6.06E-10	7.74E-10	9.10E-11	2.81E-10	3.72E-10
8330	437065.8	3763013	1.111E-09	3.79E-09	4.90E-09	1.73E-10	6.19E-10	7.92E-10	9.30E-11	2.87E-10	3.80E-10
8331	437062.1	3763004	1.134E-09	3.87E-09	5.00E-09	1.76E-10	6.32E-10	8.08E-10	9.49E-11	2.93E-10	3.88E-10
8332	437058.5	3762996	1.156E-09	3.94E-09	5.10E-09	1.80E-10	6.44E-10	8.24E-10	9.68E-11	2.99E-10	3.95E-10
8333	437054.8	3762987	1.177E-09	4.01E-09	5.19E-09	1.83E-10	6.55E-10	8.38E-10	9.85E-11	3.04E-10	4.02E-10
8334	437051.2	3762978	1.196E-09	4.08E-09	5.27E-09	1.86E-10	6.66E-10	8.52E-10	1.00E-10	3.09E-10	4.09E-10
8335	437047.5	3762969	1.213E-09	4.14E-09	5.35E-09	1.88E-10	6.76E-10	8.64E-10	1.02E-10	3.13E-10	4.15E-10
8336	437043.9	3762960	1.229E-09	4.19E-09	5.42E-09	1.91E-10	6.84E-10	8.75E-10	1.03E-10	3.17E-10	4.20E-10
8337	437040.3	3762952	1.242E-09	4.24E-09	5.48E-09	1.93E-10	6.92E-10	8.85E-10	1.04E-10	3.21E-10	4.25E-10
8338	437036.6	3762943	1.255E-09	4.28E-09	5.53E-09	1.95E-10	6.99E-10	8.94E-10	1.05E-10	3.24E-10	4.29E-10
8339	437033	3762934	1.266E-09	4.32E-09	5.58E-09	1.97E-10	7.05E-10	9.02E-10	1.06E-10	3.27E-10	4.33E-10
8340	437029.3	3762925	1.274E-09	4.35E-09	5.62E-09	1.98E-10	7.10E-10	9.08E-10	1.07E-10	3.29E-10	4.36E-10
8341	437025.7	3762916	1.281E-09	4.37E-09	5.65E-09	1.99E-10	7.14E-10	9.13E-10	1.07E-10	3.31E-10	4.38E-10
8342	437364.6	3763224	6.677E-10	2.28E-09	2.94E-09	1.04E-10	3.72E-10	4.76E-10	5.59E-11	1.73E-10	2.28E-10
8343	437374.2	3763224	6.756E-10	2.30E-09	2.98E-09	1.05E-10	3.76E-10	4.81E-10	5.65E-11	1.75E-10	2.31E-10
8344	437383.9	3763224	6.825E-10	2.33E-09	3.01E-09	1.06E-10	3.80E-10	4.86E-10	5.71E-11	1.76E-10	2.33E-10
8345	437422.5	3763224	7.071E-10	2.41E-09	3.12E-09	1.10E-10	3.94E-10	5.04E-10	5.92E-11	1.83E-10	2.42E-10
8346	437432.1	3763224	7.16E-10	2.44E-09	3.16E-09	1.11E-10	3.99E-10	5.10E-10	5.99E-11	1.85E-10	2.45E-10
8347	437441.8	3763224	7.277E-10	2.48E-09	3.21E-09	1.13E-10	4.05E-10	5.18E-10	6.09E-11	1.88E-10	2.49E-10
8348	437451.4	3763224	7.399E-10	2.52E-09	3.26E-09	1.15E-10	4.12E-10	5.27E-10	6.19E-11	1.91E-10	2.53E-10
8349	437461.1	3763224	7.523E-10	2.57E-09	3.32E-09	1.17E-10	4.19E-10	5.36E-10	6.30E-11	1.94E-10	2.57E-10
8350	437499.7	3763223	8.012E-10	2.73E-09	3.53E-09	1.24E-10	4.46E-10	5.71E-10	6.71E-11	2.07E-10	2.74E-10
8351	437509.3	3763223	8.153E-10	2.78E-09	3.60E-09	1.27E-10	4.54E-10	5.81E-10	6.82E-11	2.11E-10	2.79E-10
8352	437519	3763223	8.301E-10	2.83E-09	3.66E-09	1.29E-10	4.62E-10	5.91E-10	6.95E-11	2.14E-10	2.84E-10
8353	437528.6	3763223	8.379E-10	2.86E-09	3.70E-09	1.30E-10	4.67E-10	5.97E-10	7.01E-11	2.17E-10	2.87E-10

8354	437538.3	3763223	8.457E-10	2.88E-09	3.73E-09	1.31E-10	4.71E-10	6.03E-10	7.08E-11	2.19E-10	2.89E-10
8355	437547.9	3763223	8.544E-10	2.91E-09	3.77E-09	1.33E-10	4.76E-10	6.09E-10	7.15E-11	2.21E-10	2.92E-10
8356	437355.7	3763250	5.812E-10	1.98E-09	2.56E-09	9.03E-11	3.24E-10	4.14E-10	4.86E-11	1.50E-10	1.99E-10
8357	437346.8	3763246	5.854E-10	2.00E-09	2.58E-09	9.10E-11	3.26E-10	4.17E-10	4.90E-11	1.51E-10	2.00E-10
8358	437337.9	3763243	5.898E-10	2.01E-09	2.60E-09	9.16E-11	3.29E-10	4.20E-10	4.94E-11	1.52E-10	2.02E-10
8359	437329	3763239	5.945E-10	2.03E-09	2.62E-09	9.24E-11	3.31E-10	4.24E-10	4.98E-11	1.54E-10	2.03E-10
8360	437320	3763235	5.996E-10	2.04E-09	2.64E-09	9.32E-11	3.34E-10	4.27E-10	5.02E-11	1.55E-10	2.05E-10
8361	437311.1	3763232	6.048E-10	2.06E-09	2.67E-09	9.40E-11	3.37E-10	4.31E-10	5.06E-11	1.56E-10	2.07E-10
8362	437302.2	3763228	6.098E-10	2.08E-09	2.69E-09	9.48E-11	3.40E-10	4.34E-10	5.10E-11	1.58E-10	2.09E-10
8363	437293.3	3763224	6.149E-10	2.10E-09	2.71E-09	9.56E-11	3.43E-10	4.38E-10	5.15E-11	1.59E-10	2.10E-10
8364	437284.4	3763221	6.201E-10	2.11E-09	2.73E-09	9.64E-11	3.45E-10	4.42E-10	5.19E-11	1.60E-10	2.12E-10
8365	437275.5	3763217	6.256E-10	2.13E-09	2.76E-09	9.72E-11	3.49E-10	4.46E-10	5.24E-11	1.62E-10	2.14E-10
8366	437266.6	3763213	6.312E-10	2.15E-09	2.78E-09	9.81E-11	3.52E-10	4.50E-10	5.28E-11	1.63E-10	2.16E-10
8367	437257.7	3763210	6.369E-10	2.17E-09	2.81E-09	9.90E-11	3.55E-10	4.54E-10	5.33E-11	1.65E-10	2.18E-10
8368	437248.7	3763206	6.425E-10	2.19E-09	2.83E-09	9.98E-11	3.58E-10	4.58E-10	5.38E-11	1.66E-10	2.20E-10
8369	437239.8	3763202	6.482E-10	2.21E-09	2.86E-09	1.01E-10	3.61E-10	4.62E-10	5.43E-11	1.68E-10	2.22E-10
8370	437230.9	3763199	6.537E-10	2.23E-09	2.88E-09	1.02E-10	3.64E-10	4.66E-10	5.47E-11	1.69E-10	2.24E-10
8371	437222	3763195	6.59E-10	2.25E-09	2.91E-09	1.02E-10	3.67E-10	4.70E-10	5.52E-11	1.70E-10	2.25E-10
8372	437213.1	3763191	6.638E-10	2.26E-09	2.93E-09	1.03E-10	3.70E-10	4.73E-10	5.56E-11	1.72E-10	2.27E-10
8373	437204.2	3763188	6.684E-10	2.28E-09	2.95E-09	1.04E-10	3.72E-10	4.76E-10	5.60E-11	1.73E-10	2.29E-10
8374	437195.3	3763184	6.687E-10	2.28E-09	2.95E-09	1.04E-10	3.73E-10	4.76E-10	5.60E-11	1.73E-10	2.29E-10
8375	437186.4	3763180	6.699E-10	2.28E-09	2.95E-09	1.04E-10	3.73E-10	4.77E-10	5.61E-11	1.73E-10	2.29E-10
8376	437141.8	3763162	6.915E-10	2.36E-09	3.05E-09	1.07E-10	3.85E-10	4.93E-10	5.79E-11	1.79E-10	2.37E-10
8377	437132.9	3763158	6.961E-10	2.37E-09	3.07E-09	1.08E-10	3.88E-10	4.96E-10	5.83E-11	1.80E-10	2.38E-10
8378	437124	3763155	6.976E-10	2.38E-09	3.08E-09	1.08E-10	3.89E-10	4.97E-10	5.84E-11	1.80E-10	2.39E-10
8379	437115.1	3763151	6.987E-10	2.38E-09	3.08E-09	1.09E-10	3.89E-10	4.98E-10	5.85E-11	1.81E-10	2.39E-10
8380	437106.1	3763147	6.986E-10	2.38E-09	3.08E-09	1.09E-10	3.89E-10	4.98E-10	5.85E-11	1.81E-10	2.39E-10
8381	437097.2	3763143	6.967E-10	2.38E-09	3.07E-09	1.08E-10	3.88E-10	4.96E-10	5.83E-11	1.80E-10	2.38E-10
8382	437084.6	3763131	7.156E-10	2.44E-09	3.16E-09	1.11E-10	3.99E-10	5.10E-10	5.99E-11	1.85E-10	2.45E-10
8383	437080.9	3763122	7.392E-10	2.52E-09	3.26E-09	1.15E-10	4.12E-10	5.27E-10	6.19E-11	1.91E-10	2.53E-10
8384	437077.2	3763113	7.635E-10	2.60E-09	3.37E-09	1.19E-10	4.25E-10	5.44E-10	6.39E-11	1.97E-10	2.61E-10
8385	437073.5	3763104	7.863E-10	2.68E-09	3.47E-09	1.22E-10	4.38E-10	5.60E-10	6.58E-11	2.03E-10	2.69E-10
8386	437069.8	3763095	8.082E-10	2.76E-09	3.56E-09	1.26E-10	4.50E-10	5.76E-10	6.76E-11	2.09E-10	2.76E-10
8387	437066.2	3763086	8.315E-10	2.84E-09	3.67E-09	1.29E-10	4.63E-10	5.92E-10	6.96E-11	2.15E-10	2.84E-10
8388	437062.5	3763077	8.547E-10	2.91E-09	3.77E-09	1.33E-10	4.76E-10	6.09E-10	7.15E-11	2.21E-10	2.92E-10
8389	437058.8	3763069	8.77E-10	2.99E-09	3.87E-09	1.36E-10	4.89E-10	6.25E-10	7.34E-11	2.27E-10	3.00E-10
8390	437055.1	3763060	8.984E-10	3.06E-09	3.96E-09	1.40E-10	5.00E-10	6.40E-10	7.52E-11	2.32E-10	3.07E-10
8391	437051.4	3763051	9.19E-10	3.13E-09	4.05E-09	1.43E-10	5.12E-10	6.55E-10	7.69E-11	2.37E-10	3.14E-10
8392	437047.7	3763042	9.405E-10	3.21E-09	4.15E-09	1.46E-10	5.24E-10	6.70E-10	7.87E-11	2.43E-10	3.22E-10
8393	437044	3763033	9.61E-10	3.28E-09	4.24E-09	1.49E-10	5.35E-10	6.85E-10	8.04E-11	2.48E-10	3.29E-10
8394	437040.3	3763024	9.802E-10	3.34E-09	4.32E-09	1.52E-10	5.46E-10	6.98E-10	8.20E-11	2.53E-10	3.35E-10
8395	437036.6	3763015	1E-09	3.41E-09	4.41E-09	1.55E-10	5.57E-10	7.13E-10	8.37E-11	2.58E-10	3.42E-10
8396	437032.9	3763006	1.019E-09	3.48E-09	4.49E-09	1.58E-10	5.68E-10	7.26E-10	8.53E-11	2.63E-10	3.49E-10
8397	437029.2	3762997	1.036E-09	3.53E-09	4.57E-09	1.61E-10	5.77E-10	7.38E-10	8.67E-11	2.68E-10	3.54E-10
8398	437025.5	3762988	1.052E-09	3.59E-09	4.64E-09	1.63E-10	5.86E-10	7.50E-10	8.81E-11	2.72E-10	3.60E-10
8399	437021.8	3762980	1.067E-09	3.64E-09	4.70E-09	1.66E-10	5.94E-10	7.60E-10	8.93E-11	2.76E-10	3.65E-10
8400	437018.1	3762971	1.08E-09	3.68E-09	4.76E-09	1.68E-10	6.02E-10	7.69E-10	9.04E-11	2.79E-10	3.69E-10
8401	437014.4	3762962	1.092E-09	3.72E-09	4.82E-09	1.70E-10	6.08E-10	7.78E-10	9.14E-11	2.82E-10	3.74E-10
8402	437010.7	3762953	1.102E-09	3.76E-09	4.86E-09	1.71E-10	6.14E-10	7.85E-10	9.23E-11	2.85E-10	3.77E-10
8403	437007.1	3762944	1.112E-09	3.79E-09	4.90E-09	1.73E-10	6.19E-10	7.92E-10	9.30E-11	2.87E-10	3.80E-10
8404	437003.4	3762935	1.119E-09	3.82E-09	4.94E-09	1.74E-10	6.23E-10	7.97E-10	9.37E-11	2.89E-10	3.83E-10
8405	436999.7	3762926	1.125E-09	3.84E-09	4.96E-09	1.75E-10	6.27E-10	8.02E-10	9.42E-11	2.91E-10	3.85E-10
8406	436996	3762917	1.13E-09	3.85E-09	4.98E-09	1.76E-10	6.30E-10	8.05E-10	9.46E-11	2.92E-10	3.87E-10
8407	437364.6	3763254	5.768E-10	1.97E-09	2.54E-09	8.96E-11	3.21E-10	4.11E-10	4.83E-11	1.49E-10	1.97E-10
8408	437374.3	3763254	5.823E-10	1.99E-09	2.57E-09	9.05E-11	3.24E-10	4.15E-10	4.87E-11	1.50E-10	1.99E-10
8409	437383.9	3763254	5.866E-10	2.00E-09	2.59E-09	9.11E-11	3.27E-10	4.18E-10	4.91E-11	1.52E-10	2.01E-10
8410	437422.5	3763254	6.043E-10	2.06E-09	2.67E-09	9.39E-11	3.37E-10	4.31E-10	5.06E-11	1.56E-10	2.07E-10
8411	437432.2	3763254	6.1E-10	2.08E-09	2.69E-09	9.48E-11	3.40E-10	4.35E-10	5.11E-11	1.58E-10	2.09E-10
8412	437441.8	3763254	6.196E-10	2.11E-09	2.73E-09	9.63E-11	3.45E-10	4.41E-10	5.19E-11	1.60E-10	2.12E-10
8413	437451.5	3763254	6.294E-10	2.15E-09	2.78E-09	9.78E-11	3.51E-10	4.48E-10	5.27E-11	1.63E-10	2.15E-10
8414	437461.1	3763254	6.394E-10	2.18E-09	2.82E-09	9.93E-11	3.56E-10	4.56E-10	5.35E-11	1.65E-10	2.19E-10

8415	437470.8	3763254	6.479E-10	2.21E-09	2.86E-09	1.01E-10	3.61E-10	4.62E-10	5.42E-11	1.67E-10	2.22E-10
8416	437480.4	3763254	6.566E-10	2.24E-09	2.90E-09	1.02E-10	3.66E-10	4.68E-10	5.50E-11	1.70E-10	2.25E-10
8417	437490.1	3763253	6.655E-10	2.27E-09	2.93E-09	1.03E-10	3.71E-10	4.74E-10	5.57E-11	1.72E-10	2.28E-10
8418	437499.7	3763253	6.752E-10	2.30E-09	2.98E-09	1.05E-10	3.76E-10	4.81E-10	5.65E-11	1.74E-10	2.31E-10
8419	437509.4	3763253	6.851E-10	2.34E-09	3.02E-09	1.06E-10	3.82E-10	4.88E-10	5.73E-11	1.77E-10	2.34E-10
8420	437519	3763253	6.954E-10	2.37E-09	3.07E-09	1.08E-10	3.87E-10	4.95E-10	5.82E-11	1.80E-10	2.38E-10
8421	437528.7	3763253	7.046E-10	2.40E-09	3.11E-09	1.09E-10	3.93E-10	5.02E-10	5.90E-11	1.82E-10	2.41E-10
8422	437538.3	3763253	7.142E-10	2.44E-09	3.15E-09	1.11E-10	3.98E-10	5.09E-10	5.98E-11	1.85E-10	2.44E-10
8423	437548	3763253	7.242E-10	2.47E-09	3.19E-09	1.13E-10	4.03E-10	5.16E-10	6.06E-11	1.87E-10	2.48E-10
8424	437355.9	3763280	4.997E-10	1.70E-09	2.20E-09	7.76E-11	2.78E-10	3.56E-10	4.18E-11	1.29E-10	1.71E-10
8425	437347.2	3763277	5.04E-10	1.72E-09	2.22E-09	7.83E-11	2.81E-10	3.59E-10	4.22E-11	1.30E-10	1.72E-10
8426	437338.4	3763273	5.087E-10	1.73E-09	2.24E-09	7.90E-11	2.83E-10	3.62E-10	4.26E-11	1.31E-10	1.74E-10
8427	437329.7	3763269	5.148E-10	1.76E-09	2.27E-09	8.00E-11	2.87E-10	3.67E-10	4.31E-11	1.33E-10	1.76E-10
8428	437320.9	3763266	5.215E-10	1.78E-09	2.30E-09	8.10E-11	2.91E-10	3.72E-10	4.37E-11	1.35E-10	1.78E-10
8429	437312.2	3763262	5.254E-10	1.79E-09	2.32E-09	8.16E-11	2.93E-10	3.74E-10	4.40E-11	1.36E-10	1.80E-10
8430	437303.4	3763258	5.294E-10	1.81E-09	2.33E-09	8.23E-11	2.95E-10	3.77E-10	4.43E-11	1.37E-10	1.81E-10
8431	437294.7	3763255	5.335E-10	1.82E-09	2.35E-09	8.29E-11	2.97E-10	3.80E-10	4.47E-11	1.38E-10	1.83E-10
8432	437285.9	3763251	5.378E-10	1.83E-09	2.37E-09	8.36E-11	3.00E-10	3.83E-10	4.50E-11	1.39E-10	1.84E-10
8433	437277.2	3763248	5.423E-10	1.85E-09	2.39E-09	8.43E-11	3.02E-10	3.86E-10	4.54E-11	1.40E-10	1.85E-10
8434	437268.4	3763244	5.469E-10	1.86E-09	2.41E-09	8.50E-11	3.05E-10	3.90E-10	4.58E-11	1.41E-10	1.87E-10
8435	437259.7	3763240	5.517E-10	1.88E-09	2.43E-09	8.57E-11	3.07E-10	3.93E-10	4.62E-11	1.43E-10	1.89E-10
8436	437250.9	3763237	5.565E-10	1.90E-09	2.45E-09	8.65E-11	3.10E-10	3.96E-10	4.66E-11	1.44E-10	1.90E-10
8437	437242.2	3763233	5.615E-10	1.91E-09	2.48E-09	8.72E-11	3.13E-10	4.00E-10	4.70E-11	1.45E-10	1.92E-10
8438	437233.4	3763230	5.664E-10	1.93E-09	2.50E-09	8.80E-11	3.16E-10	4.04E-10	4.74E-11	1.46E-10	1.94E-10
8439	437224.7	3763226	5.712E-10	1.95E-09	2.52E-09	8.88E-11	3.18E-10	4.07E-10	4.78E-11	1.48E-10	1.95E-10
8440	437215.9	3763222	5.757E-10	1.96E-09	2.54E-09	8.95E-11	3.21E-10	4.10E-10	4.82E-11	1.49E-10	1.97E-10
8441	437207.2	3763219	5.8E-10	1.98E-09	2.56E-09	9.01E-11	3.23E-10	4.13E-10	4.85E-11	1.50E-10	1.98E-10
8442	437198.4	3763215	5.841E-10	1.99E-09	2.58E-09	9.08E-11	3.25E-10	4.16E-10	4.89E-11	1.51E-10	2.00E-10
8443	437189.6	3763212	5.881E-10	2.01E-09	2.59E-09	9.14E-11	3.28E-10	4.19E-10	4.92E-11	1.52E-10	2.01E-10
8444	437180.9	3763208	5.918E-10	2.02E-09	2.61E-09	9.20E-11	3.30E-10	4.22E-10	4.95E-11	1.53E-10	2.02E-10
8445	437145.9	3763194	6.051E-10	2.06E-09	2.67E-09	9.40E-11	3.37E-10	4.31E-10	5.06E-11	1.56E-10	2.07E-10
8446	437137.1	3763190	6.079E-10	2.07E-09	2.68E-09	9.45E-11	3.39E-10	4.33E-10	5.09E-11	1.57E-10	2.08E-10
8447	437128.4	3763186	6.102E-10	2.08E-09	2.69E-09	9.48E-11	3.40E-10	4.35E-10	5.11E-11	1.58E-10	2.09E-10
8448	437119.6	3763183	6.123E-10	2.09E-09	2.70E-09	9.51E-11	3.41E-10	4.36E-10	5.12E-11	1.58E-10	2.09E-10
8449	437110.9	3763179	6.132E-10	2.09E-09	2.70E-09	9.53E-11	3.42E-10	4.37E-10	5.13E-11	1.58E-10	2.10E-10
8450	437102.1	3763175	6.14E-10	2.09E-09	2.71E-09	9.54E-11	3.42E-10	4.37E-10	5.14E-11	1.59E-10	2.10E-10
8451	437093.4	3763172	6.138E-10	2.09E-09	2.71E-09	9.54E-11	3.42E-10	4.37E-10	5.14E-11	1.59E-10	2.10E-10
8452	437084.6	3763168	6.129E-10	2.09E-09	2.70E-09	9.52E-11	3.41E-10	4.37E-10	5.13E-11	1.58E-10	2.10E-10
8453	437075.9	3763165	6.113E-10	2.08E-09	2.70E-09	9.50E-11	3.41E-10	4.36E-10	5.12E-11	1.58E-10	2.09E-10
8454	437063.5	3763152	6.272E-10	2.14E-09	2.77E-09	9.75E-11	3.49E-10	4.47E-10	5.25E-11	1.62E-10	2.15E-10
8455	437059.9	3763144	6.453E-10	2.20E-09	2.85E-09	1.00E-10	3.59E-10	4.60E-10	5.40E-11	1.67E-10	2.21E-10
8456	437056.2	3763135	6.656E-10	2.27E-09	2.94E-09	1.03E-10	3.71E-10	4.74E-10	5.57E-11	1.72E-10	2.28E-10
8457	437052.6	3763126	6.873E-10	2.34E-09	3.03E-09	1.07E-10	3.83E-10	4.90E-10	5.75E-11	1.78E-10	2.35E-10
8458	437049	3763117	7.083E-10	2.42E-09	3.12E-09	1.10E-10	3.95E-10	5.05E-10	5.93E-11	1.83E-10	2.42E-10
8459	437045.4	3763109	7.269E-10	2.48E-09	3.21E-09	1.13E-10	4.05E-10	5.18E-10	6.08E-11	1.88E-10	2.49E-10
8460	437041.7	3763100	7.455E-10	2.54E-09	3.29E-09	1.16E-10	4.15E-10	5.31E-10	6.24E-11	1.93E-10	2.55E-10
8461	437038.1	3763091	7.641E-10	2.61E-09	3.37E-09	1.19E-10	4.26E-10	5.44E-10	6.40E-11	1.97E-10	2.61E-10
8462	437034.5	3763082	7.824E-10	2.67E-09	3.45E-09	1.22E-10	4.36E-10	5.57E-10	6.55E-11	2.02E-10	2.68E-10
8463	437030.9	3763074	8.005E-10	2.73E-09	3.53E-09	1.24E-10	4.46E-10	5.70E-10	6.70E-11	2.07E-10	2.74E-10
8464	437027.2	3763065	8.182E-10	2.79E-09	3.61E-09	1.27E-10	4.56E-10	5.83E-10	6.85E-11	2.11E-10	2.80E-10
8465	437023.6	3763056	8.354E-10	2.85E-09	3.68E-09	1.30E-10	4.65E-10	5.95E-10	6.99E-11	2.16E-10	2.86E-10
8466	437020	3763047	8.523E-10	2.91E-09	3.76E-09	1.32E-10	4.75E-10	6.07E-10	7.13E-11	2.20E-10	2.92E-10
8467	437016.3	3763039	8.686E-10	2.96E-09	3.83E-09	1.35E-10	4.84E-10	6.19E-10	7.27E-11	2.24E-10	2.97E-10
8468	437012.7	3763030	8.843E-10	3.02E-09	3.90E-09	1.37E-10	4.93E-10	6.30E-10	7.40E-11	2.28E-10	3.03E-10
8469	437009.1	3763021	8.977E-10	3.06E-09	3.96E-09	1.39E-10	5.00E-10	6.40E-10	7.51E-11	2.32E-10	3.07E-10
8470	437005.5	3763012	9.133E-10	3.11E-09	4.03E-09	1.42E-10	5.09E-10	6.51E-10	7.64E-11	2.36E-10	3.12E-10
8471	437001.8	3763004	9.268E-10	3.16E-09	4.09E-09	1.44E-10	5.16E-10	6.60E-10	7.76E-11	2.39E-10	3.17E-10
8472	436998.2	3762995	9.392E-10	3.20E-09	4.14E-09	1.46E-10	5.23E-10	6.69E-10	7.86E-11	2.43E-10	3.21E-10
8473	436994.6	3762986	9.509E-10	3.24E-09	4.19E-09	1.48E-10	5.30E-10	6.77E-10	7.96E-11	2.46E-10	3.25E-10
8474	436991	3762977	9.614E-10	3.28E-09	4.24E-09	1.49E-10	5.36E-10	6.85E-10	8.05E-11	2.48E-10	3.29E-10
8475	436987.3	3762969	9.71E-10	3.31E-09	4.28E-09	1.51E-10	5.41E-10	6.92E-10	8.13E-11	2.51E-10	3.32E-10

8476	436983.7	3762960	9.794E-10	3.34E-09	4.32E-09	1.52E-10	5.46E-10	6.98E-10	8.20E-11	2.53E-10	3.35E-10
8477	436980.1	3762951	9.866E-10	3.36E-09	4.35E-09	1.53E-10	5.50E-10	7.03E-10	8.26E-11	2.55E-10	3.38E-10
8478	436976.4	3762942	9.926E-10	3.38E-09	4.38E-09	1.54E-10	5.53E-10	7.07E-10	8.31E-11	2.56E-10	3.40E-10
8479	436972.8	3762934	9.975E-10	3.40E-09	4.40E-09	1.55E-10	5.56E-10	7.11E-10	8.35E-11	2.58E-10	3.41E-10
8480	436969.2	3762925	1.001E-09	3.41E-09	4.42E-09	1.56E-10	5.58E-10	7.13E-10	8.38E-11	2.59E-10	3.43E-10
8481	436965.6	3762916	1.004E-09	3.42E-09	4.43E-09	1.56E-10	5.59E-10	7.15E-10	8.40E-11	2.59E-10	3.43E-10
8482	436961.9	3762907	1.005E-09	3.43E-09	4.43E-09	1.56E-10	5.60E-10	7.16E-10	8.41E-11	2.60E-10	3.44E-10
8483	436958.3	3762899	1.006E-09	3.43E-09	4.43E-09	1.56E-10	5.60E-10	7.16E-10	8.42E-11	2.60E-10	3.44E-10
8484	437364.7	3763284	4.957E-10	1.69E-09	2.19E-09	7.70E-11	2.76E-10	3.53E-10	4.15E-11	1.28E-10	1.70E-10
8485	437374.3	3763284	5.009E-10	1.71E-09	2.21E-09	7.78E-11	2.79E-10	3.57E-10	4.19E-11	1.29E-10	1.71E-10
8486	437384	3763284	5.061E-10	1.73E-09	2.23E-09	7.86E-11	2.82E-10	3.61E-10	4.24E-11	1.31E-10	1.73E-10
8487	437393.6	3763284	5.116E-10	1.74E-09	2.26E-09	7.95E-11	2.85E-10	3.64E-10	4.28E-11	1.32E-10	1.75E-10
8488	437403.3	3763284	5.166E-10	1.76E-09	2.28E-09	8.03E-11	2.88E-10	3.68E-10	4.32E-11	1.33E-10	1.77E-10
8489	437412.9	3763284	5.209E-10	1.78E-09	2.30E-09	8.09E-11	2.90E-10	3.71E-10	4.36E-11	1.35E-10	1.78E-10
8490	437422.6	3763284	5.254E-10	1.79E-09	2.32E-09	8.16E-11	2.93E-10	3.74E-10	4.40E-11	1.36E-10	1.80E-10
8491	437432.2	3763284	5.306E-10	1.81E-09	2.34E-09	8.25E-11	2.96E-10	3.78E-10	4.44E-11	1.37E-10	1.82E-10
8492	437441.9	3763284	5.384E-10	1.84E-09	2.37E-09	8.37E-11	3.00E-10	3.84E-10	4.51E-11	1.39E-10	1.84E-10
8493	437451.5	3763284	5.464E-10	1.86E-09	2.41E-09	8.49E-11	3.04E-10	3.89E-10	4.57E-11	1.41E-10	1.87E-10
8494	437461.2	3763284	5.545E-10	1.89E-09	2.45E-09	8.62E-11	3.09E-10	3.95E-10	4.64E-11	1.43E-10	1.90E-10
8495	437470.8	3763284	5.613E-10	1.91E-09	2.48E-09	8.72E-11	3.13E-10	4.00E-10	4.70E-11	1.45E-10	1.92E-10
8496	437480.5	3763284	5.683E-10	1.94E-09	2.51E-09	8.83E-11	3.17E-10	4.05E-10	4.76E-11	1.47E-10	1.94E-10
8497	437490.1	3763283	5.756E-10	1.96E-09	2.54E-09	8.94E-11	3.21E-10	4.10E-10	4.82E-11	1.49E-10	1.97E-10
8498	437499.8	3763283	5.816E-10	1.98E-09	2.56E-09	9.04E-11	3.24E-10	4.14E-10	4.87E-11	1.50E-10	1.99E-10
8499	437509.4	3763283	5.878E-10	2.00E-09	2.59E-09	9.13E-11	3.27E-10	4.19E-10	4.92E-11	1.52E-10	2.01E-10
8500	437519.1	3763283	5.943E-10	2.03E-09	2.62E-09	9.23E-11	3.31E-10	4.23E-10	4.97E-11	1.54E-10	2.03E-10
8501	437528.7	3763283	6.021E-10	2.05E-09	2.66E-09	9.35E-11	3.35E-10	4.29E-10	5.04E-11	1.56E-10	2.06E-10
8502	437538.4	3763283	6.102E-10	2.08E-09	2.69E-09	9.48E-11	3.40E-10	4.35E-10	5.11E-11	1.58E-10	2.09E-10
8503	437548	3763283	6.186E-10	2.11E-09	2.73E-09	9.61E-11	3.45E-10	4.41E-10	5.18E-11	1.60E-10	2.12E-10
8504	437355.9	3763310	4.366E-10	1.49E-09	1.93E-09	6.78E-11	2.43E-10	3.11E-10	3.65E-11	1.13E-10	1.49E-10
8505	437347	3763306	4.395E-10	1.50E-09	1.94E-09	6.83E-11	2.45E-10	3.13E-10	3.68E-11	1.14E-10	1.50E-10
8506	437338.2	3763303	4.428E-10	1.51E-09	1.95E-09	6.88E-11	2.47E-10	3.15E-10	3.71E-11	1.14E-10	1.51E-10
8507	437329.3	3763299	4.47E-10	1.52E-09	1.97E-09	6.95E-11	2.49E-10	3.18E-10	3.74E-11	1.16E-10	1.53E-10
8508	437320.5	3763295	4.515E-10	1.54E-09	1.99E-09	7.02E-11	2.52E-10	3.22E-10	3.78E-11	1.17E-10	1.54E-10
8509	437311.6	3763292	4.562E-10	1.56E-09	2.01E-09	7.09E-11	2.54E-10	3.25E-10	3.82E-11	1.18E-10	1.56E-10
8510	437302.7	3763288	4.603E-10	1.57E-09	2.03E-09	7.15E-11	2.56E-10	3.28E-10	3.85E-11	1.19E-10	1.57E-10
8511	437293.9	3763285	4.643E-10	1.58E-09	2.05E-09	7.21E-11	2.59E-10	3.31E-10	3.89E-11	1.20E-10	1.59E-10
8512	437285	3763281	4.682E-10	1.60E-09	2.06E-09	7.27E-11	2.61E-10	3.34E-10	3.92E-11	1.21E-10	1.60E-10
8513	437276.2	3763277	4.727E-10	1.61E-09	2.08E-09	7.34E-11	2.63E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
8514	437267.3	3763274	4.783E-10	1.63E-09	2.11E-09	7.43E-11	2.66E-10	3.41E-10	4.00E-11	1.24E-10	1.64E-10
8515	437258.5	3763270	4.836E-10	1.65E-09	2.13E-09	7.51E-11	2.69E-10	3.45E-10	4.05E-11	1.25E-10	1.65E-10
8516	437249.6	3763266	4.876E-10	1.66E-09	2.15E-09	7.58E-11	2.72E-10	3.47E-10	4.08E-11	1.26E-10	1.67E-10
8517	437240.8	3763263	4.919E-10	1.68E-09	2.17E-09	7.64E-11	2.74E-10	3.50E-10	4.12E-11	1.27E-10	1.68E-10
8518	437231.9	3763259	4.962E-10	1.69E-09	2.19E-09	7.71E-11	2.76E-10	3.54E-10	4.15E-11	1.28E-10	1.70E-10
8519	437223	3763255	5.004E-10	1.71E-09	2.21E-09	7.78E-11	2.79E-10	3.57E-10	4.19E-11	1.29E-10	1.71E-10
8520	437214.2	3763252	5.046E-10	1.72E-09	2.23E-09	7.84E-11	2.81E-10	3.59E-10	4.22E-11	1.30E-10	1.73E-10
8521	437205.3	3763248	5.086E-10	1.73E-09	2.24E-09	7.90E-11	2.83E-10	3.62E-10	4.26E-11	1.31E-10	1.74E-10
8522	437196.5	3763244	5.125E-10	1.75E-09	2.26E-09	7.96E-11	2.85E-10	3.65E-10	4.29E-11	1.32E-10	1.75E-10
8523	437187.6	3763241	5.162E-10	1.76E-09	2.28E-09	8.02E-11	2.88E-10	3.68E-10	4.32E-11	1.33E-10	1.77E-10
8524	437143.3	3763222	5.328E-10	1.82E-09	2.35E-09	8.28E-11	2.97E-10	3.80E-10	4.46E-11	1.38E-10	1.82E-10
8525	437134.5	3763219	5.355E-10	1.83E-09	2.36E-09	8.32E-11	2.98E-10	3.82E-10	4.48E-11	1.38E-10	1.83E-10
8526	437125.6	3763215	5.381E-10	1.83E-09	2.37E-09	8.36E-11	3.00E-10	3.83E-10	4.50E-11	1.39E-10	1.84E-10
8527	437116.8	3763211	5.404E-10	1.84E-09	2.38E-09	8.40E-11	3.01E-10	3.85E-10	4.52E-11	1.40E-10	1.85E-10
8528	437107.9	3763208	5.425E-10	1.85E-09	2.39E-09	8.43E-11	3.02E-10	3.86E-10	4.54E-11	1.40E-10	1.86E-10
8529	437099.1	3763204	5.43E-10	1.85E-09	2.39E-09	8.44E-11	3.02E-10	3.87E-10	4.54E-11	1.40E-10	1.86E-10
8530	437090.2	3763201	5.432E-10	1.85E-09	2.40E-09	8.44E-11	3.03E-10	3.87E-10	4.55E-11	1.40E-10	1.86E-10
8531	437081.4	3763197	5.433E-10	1.85E-09	2.40E-09	8.44E-11	3.03E-10	3.87E-10	4.55E-11	1.40E-10	1.86E-10
8532	437072.5	3763193	5.432E-10	1.85E-09	2.40E-09	8.44E-11	3.03E-10	3.87E-10	4.55E-11	1.40E-10	1.86E-10
8533	437063.6	3763190	5.436E-10	1.85E-09	2.40E-09	8.45E-11	3.03E-10	3.87E-10	4.55E-11	1.40E-10	1.86E-10
8534	437054.8	3763186	5.441E-10	1.86E-09	2.40E-09	8.45E-11	3.03E-10	3.88E-10	4.55E-11	1.41E-10	1.86E-10
8535	437042.3	3763173	5.593E-10	1.91E-09	2.47E-09	8.69E-11	3.12E-10	3.98E-10	4.68E-11	1.45E-10	1.91E-10
8536	437038.6	3763165	5.754E-10	1.96E-09	2.54E-09	8.94E-11	3.21E-10	4.10E-10	4.82E-11	1.49E-10	1.97E-10

8537	437034.9	3763156	5.925E-10	2.02E-09	2.61E-09	9.21E-11	3.30E-10	4.22E-10	4.96E-11	1.53E-10	2.03E-10
8538	437031.3	3763147	6.102E-10	2.08E-09	2.69E-09	9.48E-11	3.40E-10	4.35E-10	5.11E-11	1.58E-10	2.09E-10
8539	437027.6	3763138	6.273E-10	2.14E-09	2.77E-09	9.75E-11	3.49E-10	4.47E-10	5.25E-11	1.62E-10	2.15E-10
8540	437023.9	3763129	6.433E-10	2.19E-09	2.84E-09	1.00E-10	3.58E-10	4.58E-10	5.38E-11	1.66E-10	2.20E-10
8541	437020.2	3763120	6.594E-10	2.25E-09	2.91E-09	1.02E-10	3.67E-10	4.70E-10	5.52E-11	1.70E-10	2.26E-10
8542	437016.6	3763111	6.755E-10	2.30E-09	2.98E-09	1.05E-10	3.76E-10	4.81E-10	5.65E-11	1.75E-10	2.31E-10
8543	437012.9	3763103	6.913E-10	2.36E-09	3.05E-09	1.07E-10	3.85E-10	4.93E-10	5.79E-11	1.79E-10	2.36E-10
8544	437009.2	3763094	7.07E-10	2.41E-09	3.12E-09	1.10E-10	3.94E-10	5.04E-10	5.92E-11	1.83E-10	2.42E-10
8545	437005.6	3763085	7.224E-10	2.46E-09	3.19E-09	1.12E-10	4.02E-10	5.15E-10	6.05E-11	1.87E-10	2.47E-10
8546	437001.9	3763076	7.374E-10	2.51E-09	3.25E-09	1.15E-10	4.11E-10	5.25E-10	6.17E-11	1.91E-10	2.52E-10
8547	436998.2	3763067	7.52E-10	2.56E-09	3.32E-09	1.17E-10	4.19E-10	5.36E-10	6.29E-11	1.94E-10	2.57E-10
8548	436994.6	3763058	7.662E-10	2.61E-09	3.38E-09	1.19E-10	4.27E-10	5.46E-10	6.41E-11	1.98E-10	2.62E-10
8549	436990.9	3763050	7.798E-10	2.66E-09	3.44E-09	1.21E-10	4.34E-10	5.56E-10	6.53E-11	2.02E-10	2.67E-10
8550	436987.2	3763041	7.929E-10	2.70E-09	3.50E-09	1.23E-10	4.42E-10	5.65E-10	6.64E-11	2.05E-10	2.71E-10
8551	436983.5	3763032	8.056E-10	2.75E-09	3.55E-09	1.25E-10	4.49E-10	5.74E-10	6.74E-11	2.08E-10	2.76E-10
8552	436979.9	3763023	8.166E-10	2.78E-09	3.60E-09	1.27E-10	4.55E-10	5.82E-10	6.84E-11	2.11E-10	2.79E-10
8553	436976.2	3763014	8.289E-10	2.83E-09	3.66E-09	1.29E-10	4.62E-10	5.91E-10	6.94E-11	2.14E-10	2.84E-10
8554	436972.5	3763005	8.393E-10	2.86E-09	3.70E-09	1.30E-10	4.68E-10	5.98E-10	7.03E-11	2.17E-10	2.87E-10
8555	436968.9	3762996	8.493E-10	2.90E-09	3.75E-09	1.32E-10	4.73E-10	6.05E-10	7.11E-11	2.19E-10	2.91E-10
8556	436965.2	3762988	8.584E-10	2.93E-09	3.79E-09	1.33E-10	4.78E-10	6.12E-10	7.19E-11	2.22E-10	2.94E-10
8557	436961.5	3762979	8.665E-10	2.95E-09	3.82E-09	1.35E-10	4.83E-10	6.17E-10	7.25E-11	2.24E-10	2.96E-10
8558	436957.8	3762970	8.736E-10	2.98E-09	3.85E-09	1.36E-10	4.87E-10	6.22E-10	7.31E-11	2.26E-10	2.99E-10
8559	436954.2	3762961	8.798E-10	3.00E-09	3.88E-09	1.37E-10	4.90E-10	6.27E-10	7.36E-11	2.27E-10	3.01E-10
8560	436950.5	3762952	8.85E-10	3.02E-09	3.90E-09	1.38E-10	4.93E-10	6.31E-10	7.41E-11	2.29E-10	3.03E-10
8561	436946.8	3762943	8.892E-10	3.03E-09	3.92E-09	1.38E-10	4.95E-10	6.34E-10	7.44E-11	2.30E-10	3.04E-10
8562	436943.2	3762935	8.924E-10	3.04E-09	3.94E-09	1.39E-10	4.97E-10	6.36E-10	7.47E-11	2.31E-10	3.05E-10
8563	436939.5	3762926	8.946E-10	3.05E-09	3.95E-09	1.39E-10	4.98E-10	6.37E-10	7.49E-11	2.31E-10	3.06E-10
8564	436935.8	3762917	8.96E-10	3.06E-09	3.95E-09	1.39E-10	4.99E-10	6.38E-10	7.50E-11	2.32E-10	3.07E-10
8565	436932.2	3762908	8.965E-10	3.06E-09	3.95E-09	1.39E-10	4.99E-10	6.39E-10	7.50E-11	2.32E-10	3.07E-10
8566	436928.5	3762899	8.962E-10	3.06E-09	3.95E-09	1.39E-10	4.99E-10	6.39E-10	7.50E-11	2.32E-10	3.07E-10
8567	437364.7	3763314	4.338E-10	1.48E-09	1.91E-09	6.74E-11	2.42E-10	3.09E-10	3.63E-11	1.12E-10	1.48E-10
8568	437374.4	3763314	4.382E-10	1.49E-09	1.93E-09	6.81E-11	2.44E-10	3.12E-10	3.67E-11	1.13E-10	1.50E-10
8569	437384	3763314	4.428E-10	1.51E-09	1.95E-09	6.88E-11	2.47E-10	3.16E-10	3.71E-11	1.14E-10	1.51E-10
8570	437393.7	3763314	4.475E-10	1.53E-09	1.97E-09	6.95E-11	2.49E-10	3.19E-10	3.75E-11	1.16E-10	1.53E-10
8571	437403.3	3763314	4.526E-10	1.54E-09	2.00E-09	7.03E-11	2.52E-10	3.22E-10	3.79E-11	1.17E-10	1.55E-10
8572	437413	3763314	4.582E-10	1.56E-09	2.02E-09	7.12E-11	2.55E-10	3.26E-10	3.84E-11	1.18E-10	1.57E-10
8573	437422.6	3763314	4.64E-10	1.58E-09	2.05E-09	7.21E-11	2.58E-10	3.31E-10	3.88E-11	1.20E-10	1.59E-10
8574	437432.3	3763314	4.698E-10	1.60E-09	2.07E-09	7.30E-11	2.62E-10	3.35E-10	3.93E-11	1.21E-10	1.61E-10
8575	437441.9	3763314	4.754E-10	1.62E-09	2.10E-09	7.39E-11	2.65E-10	3.39E-10	3.98E-11	1.23E-10	1.63E-10
8576	437451.6	3763314	4.81E-10	1.64E-09	2.12E-09	7.47E-11	2.68E-10	3.43E-10	4.03E-11	1.24E-10	1.65E-10
8577	437461.2	3763314	4.868E-10	1.66E-09	2.15E-09	7.56E-11	2.71E-10	3.47E-10	4.07E-11	1.26E-10	1.67E-10
8578	437470.9	3763314	4.924E-10	1.68E-09	2.17E-09	7.65E-11	2.74E-10	3.51E-10	4.12E-11	1.27E-10	1.68E-10
8579	437480.5	3763314	4.982E-10	1.70E-09	2.20E-09	7.74E-11	2.78E-10	3.55E-10	4.17E-11	1.29E-10	1.70E-10
8580	437490.2	3763313	5.04E-10	1.72E-09	2.22E-09	7.83E-11	2.81E-10	3.59E-10	4.22E-11	1.30E-10	1.72E-10
8581	437499.8	3763313	5.087E-10	1.73E-09	2.24E-09	7.90E-11	2.83E-10	3.62E-10	4.26E-11	1.31E-10	1.74E-10
8582	437509.5	3763313	5.134E-10	1.75E-09	2.26E-09	7.98E-11	2.86E-10	3.66E-10	4.30E-11	1.33E-10	1.76E-10
8583	437519.1	3763313	5.184E-10	1.77E-09	2.29E-09	8.05E-11	2.89E-10	3.69E-10	4.34E-11	1.34E-10	1.77E-10
8584	437528.8	3763313	5.237E-10	1.79E-09	2.31E-09	8.14E-11	2.92E-10	3.73E-10	4.38E-11	1.35E-10	1.79E-10
8585	437538.4	3763313	5.291E-10	1.80E-09	2.33E-09	8.22E-11	2.95E-10	3.77E-10	4.43E-11	1.37E-10	1.81E-10
8586	437548.1	3763313	5.349E-10	1.82E-09	2.36E-09	8.31E-11	2.98E-10	3.81E-10	4.48E-11	1.38E-10	1.83E-10
8587	437356.1	3763340	3.881E-10	1.32E-09	1.71E-09	6.03E-11	2.16E-10	2.77E-10	3.25E-11	1.00E-10	1.33E-10
8588	437347.4	3763337	3.901E-10	1.33E-09	1.72E-09	6.06E-11	2.17E-10	2.78E-10	3.27E-11	1.01E-10	1.33E-10
8589	437338.6	3763333	3.923E-10	1.34E-09	1.73E-09	6.09E-11	2.19E-10	2.79E-10	3.28E-11	1.01E-10	1.34E-10
8590	437329.9	3763329	3.949E-10	1.35E-09	1.74E-09	6.14E-11	2.20E-10	2.81E-10	3.31E-11	1.02E-10	1.35E-10
8591	437321.2	3763326	3.981E-10	1.36E-09	1.76E-09	6.19E-11	2.22E-10	2.84E-10	3.33E-11	1.03E-10	1.36E-10
8592	437312.5	3763322	4.015E-10	1.37E-09	1.77E-09	6.24E-11	2.24E-10	2.86E-10	3.36E-11	1.04E-10	1.37E-10
8593	437303.8	3763319	4.046E-10	1.38E-09	1.78E-09	6.29E-11	2.25E-10	2.88E-10	3.39E-11	1.05E-10	1.38E-10
8594	437295	3763315	4.076E-10	1.39E-09	1.80E-09	6.33E-11	2.27E-10	2.90E-10	3.41E-11	1.05E-10	1.39E-10
8595	437286.3	3763311	4.108E-10	1.40E-09	1.81E-09	6.38E-11	2.29E-10	2.93E-10	3.44E-11	1.06E-10	1.41E-10
8596	437277.6	3763308	4.141E-10	1.41E-09	1.83E-09	6.43E-11	2.31E-10	2.95E-10	3.47E-11	1.07E-10	1.42E-10
8597	437268.9	3763304	4.181E-10	1.43E-09	1.84E-09	6.50E-11	2.33E-10	2.98E-10	3.50E-11	1.08E-10	1.43E-10

8598	437260.2	3763301	4.224E-10	1.44E-09	1.86E-09	6.56E-11	2.35E-10	3.01E-10	3.54E-11	1.09E-10	1.44E-10
8599	437251.4	3763297	4.271E-10	1.46E-09	1.88E-09	6.64E-11	2.38E-10	3.04E-10	3.58E-11	1.10E-10	1.46E-10
8600	437242.7	3763293	4.314E-10	1.47E-09	1.90E-09	6.70E-11	2.40E-10	3.07E-10	3.61E-11	1.11E-10	1.48E-10
8601	437234	3763290	4.357E-10	1.49E-09	1.92E-09	6.77E-11	2.43E-10	3.10E-10	3.65E-11	1.13E-10	1.49E-10
8602	437225.3	3763286	4.402E-10	1.50E-09	1.94E-09	6.84E-11	2.45E-10	3.14E-10	3.68E-11	1.14E-10	1.51E-10
8603	437216.6	3763283	4.436E-10	1.51E-09	1.96E-09	6.89E-11	2.47E-10	3.16E-10	3.71E-11	1.15E-10	1.52E-10
8604	437207.9	3763279	4.472E-10	1.52E-09	1.97E-09	6.95E-11	2.49E-10	3.19E-10	3.74E-11	1.16E-10	1.53E-10
8605	437199.1	3763275	4.507E-10	1.54E-09	1.99E-09	7.00E-11	2.51E-10	3.21E-10	3.77E-11	1.16E-10	1.54E-10
8606	437190.4	3763272	4.543E-10	1.55E-09	2.00E-09	7.06E-11	2.53E-10	3.24E-10	3.80E-11	1.17E-10	1.55E-10
8607	437181.7	3763268	4.576E-10	1.56E-09	2.02E-09	7.11E-11	2.55E-10	3.26E-10	3.83E-11	1.18E-10	1.57E-10
8608	437146.8	3763254	4.698E-10	1.60E-09	2.07E-09	7.30E-11	2.62E-10	3.35E-10	3.93E-11	1.21E-10	1.61E-10
8609	437138.1	3763250	4.727E-10	1.61E-09	2.08E-09	7.34E-11	2.63E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
8610	437129.4	3763247	4.754E-10	1.62E-09	2.10E-09	7.39E-11	2.65E-10	3.39E-10	3.98E-11	1.23E-10	1.63E-10
8611	437120.7	3763243	4.778E-10	1.63E-09	2.11E-09	7.42E-11	2.66E-10	3.40E-10	4.00E-11	1.23E-10	1.63E-10
8612	437111.9	3763239	4.795E-10	1.64E-09	2.11E-09	7.45E-11	2.67E-10	3.42E-10	4.01E-11	1.24E-10	1.64E-10
8613	437103.2	3763236	4.81E-10	1.64E-09	2.12E-09	7.47E-11	2.68E-10	3.43E-10	4.03E-11	1.24E-10	1.65E-10
8614	437094.5	3763232	4.832E-10	1.65E-09	2.13E-09	7.51E-11	2.69E-10	3.44E-10	4.04E-11	1.25E-10	1.65E-10
8615	437085.8	3763229	4.851E-10	1.65E-09	2.14E-09	7.54E-11	2.70E-10	3.46E-10	4.06E-11	1.25E-10	1.66E-10
8616	437077.1	3763225	4.863E-10	1.66E-09	2.14E-09	7.56E-11	2.71E-10	3.46E-10	4.07E-11	1.26E-10	1.66E-10
8617	437068.3	3763221	4.871E-10	1.66E-09	2.15E-09	7.57E-11	2.71E-10	3.47E-10	4.08E-11	1.26E-10	1.67E-10
8618	437059.6	3763218	4.878E-10	1.66E-09	2.15E-09	7.58E-11	2.72E-10	3.48E-10	4.08E-11	1.26E-10	1.67E-10
8619	437050.9	3763214	4.883E-10	1.67E-09	2.15E-09	7.59E-11	2.72E-10	3.48E-10	4.09E-11	1.26E-10	1.67E-10
8620	437042.2	3763211	4.887E-10	1.67E-09	2.16E-09	7.59E-11	2.72E-10	3.48E-10	4.09E-11	1.26E-10	1.67E-10
8621	437033.5	3763207	4.893E-10	1.67E-09	2.16E-09	7.60E-11	2.73E-10	3.49E-10	4.10E-11	1.26E-10	1.67E-10
8622	437021.1	3763195	5.027E-10	1.71E-09	2.22E-09	7.81E-11	2.80E-10	3.58E-10	4.21E-11	1.30E-10	1.72E-10
8623	437017.5	3763186	5.151E-10	1.76E-09	2.27E-09	8.00E-11	2.87E-10	3.67E-10	4.31E-11	1.33E-10	1.76E-10
8624	437013.9	3763177	5.275E-10	1.80E-09	2.33E-09	8.20E-11	2.94E-10	3.76E-10	4.42E-11	1.36E-10	1.80E-10
8625	437010.3	3763169	5.402E-10	1.84E-09	2.38E-09	8.39E-11	3.01E-10	3.85E-10	4.52E-11	1.40E-10	1.85E-10
8626	437006.7	3763160	5.559E-10	1.90E-09	2.45E-09	8.64E-11	3.10E-10	3.96E-10	4.65E-11	1.44E-10	1.90E-10
8627	437003.1	3763151	5.714E-10	1.95E-09	2.52E-09	8.88E-11	3.18E-10	4.07E-10	4.78E-11	1.48E-10	1.95E-10
8628	436999.4	3763143	5.848E-10	1.99E-09	2.58E-09	9.09E-11	3.26E-10	4.17E-10	4.90E-11	1.51E-10	2.00E-10
8629	436995.8	3763134	5.984E-10	2.04E-09	2.64E-09	9.30E-11	3.33E-10	4.26E-10	5.01E-11	1.55E-10	2.05E-10
8630	436992.2	3763125	6.118E-10	2.09E-09	2.70E-09	9.51E-11	3.41E-10	4.36E-10	5.12E-11	1.58E-10	2.09E-10
8631	436988.6	3763116	6.252E-10	2.13E-09	2.76E-09	9.71E-11	3.48E-10	4.45E-10	5.23E-11	1.62E-10	2.14E-10
8632	436985	3763108	6.383E-10	2.18E-09	2.82E-09	9.92E-11	3.56E-10	4.55E-10	5.34E-11	1.65E-10	2.18E-10
8633	436981.4	3763099	6.512E-10	2.22E-09	2.87E-09	1.01E-10	3.63E-10	4.64E-10	5.45E-11	1.68E-10	2.23E-10
8634	436977.8	3763090	6.638E-10	2.26E-09	2.93E-09	1.03E-10	3.70E-10	4.73E-10	5.56E-11	1.72E-10	2.27E-10
8635	436974.2	3763082	6.762E-10	2.31E-09	2.98E-09	1.05E-10	3.77E-10	4.82E-10	5.66E-11	1.75E-10	2.31E-10
8636	436970.5	3763073	6.882E-10	2.35E-09	3.04E-09	1.07E-10	3.83E-10	4.90E-10	5.76E-11	1.78E-10	2.35E-10
8637	436966.9	3763064	6.998E-10	2.39E-09	3.09E-09	1.09E-10	3.90E-10	4.99E-10	5.86E-11	1.81E-10	2.39E-10
8638	436963.3	3763055	7.11E-10	2.42E-09	3.14E-09	1.10E-10	3.96E-10	5.07E-10	5.95E-11	1.84E-10	2.43E-10
8639	436959.7	3763047	7.217E-10	2.46E-09	3.18E-09	1.12E-10	4.02E-10	5.14E-10	6.04E-11	1.86E-10	2.47E-10
8640	436956.1	3763038	7.319E-10	2.50E-09	3.23E-09	1.14E-10	4.08E-10	5.21E-10	6.13E-11	1.89E-10	2.50E-10
8641	436952.5	3763029	7.415E-10	2.53E-09	3.27E-09	1.15E-10	4.13E-10	5.28E-10	6.21E-11	1.92E-10	2.54E-10
8642	436948.9	3763021	7.505E-10	2.56E-09	3.31E-09	1.17E-10	4.18E-10	5.35E-10	6.28E-11	1.94E-10	2.57E-10
8643	436945.2	3763012	7.591E-10	2.59E-09	3.35E-09	1.18E-10	4.23E-10	5.41E-10	6.35E-11	1.96E-10	2.60E-10
8644	436941.6	3763003	7.67E-10	2.62E-09	3.38E-09	1.19E-10	4.27E-10	5.46E-10	6.42E-11	1.98E-10	2.62E-10
8645	436938	3762994	7.742E-10	2.64E-09	3.41E-09	1.20E-10	4.31E-10	5.52E-10	6.48E-11	2.00E-10	2.65E-10
8646	436934.4	3762986	7.806E-10	2.66E-09	3.44E-09	1.21E-10	4.35E-10	5.56E-10	6.53E-11	2.02E-10	2.67E-10
8647	436930.8	3762977	7.863E-10	2.68E-09	3.47E-09	1.22E-10	4.38E-10	5.60E-10	6.58E-11	2.03E-10	2.69E-10
8648	436927.2	3762968	7.913E-10	2.70E-09	3.49E-09	1.23E-10	4.41E-10	5.64E-10	6.62E-11	2.04E-10	2.71E-10
8649	436923.6	3762960	7.954E-10	2.71E-09	3.51E-09	1.24E-10	4.43E-10	5.67E-10	6.66E-11	2.06E-10	2.72E-10
8650	436919.9	3762951	7.987E-10	2.72E-09	3.52E-09	1.24E-10	4.45E-10	5.69E-10	6.69E-11	2.06E-10	2.73E-10
8651	436916.3	3762942	8.01E-10	2.73E-09	3.53E-09	1.24E-10	4.46E-10	5.71E-10	6.70E-11	2.07E-10	2.74E-10
8652	436912.7	3762933	8.03E-10	2.74E-09	3.54E-09	1.25E-10	4.47E-10	5.72E-10	6.72E-11	2.07E-10	2.75E-10
8653	436909.1	3762925	8.043E-10	2.74E-09	3.55E-09	1.25E-10	4.48E-10	5.73E-10	6.73E-11	2.08E-10	2.75E-10
8654	436905.5	3762916	8.048E-10	2.74E-09	3.55E-09	1.25E-10	4.48E-10	5.73E-10	6.74E-11	2.08E-10	2.75E-10
8655	436901.9	3762907	8.047E-10	2.74E-09	3.55E-09	1.25E-10	4.48E-10	5.73E-10	6.74E-11	2.08E-10	2.75E-10
8656	436898.3	3762899	8.038E-10	2.74E-09	3.54E-09	1.25E-10	4.48E-10	5.73E-10	6.73E-11	2.08E-10	2.75E-10
8657	437364.8	3763344	3.863E-10	1.32E-09	1.70E-09	6.00E-11	2.15E-10	2.75E-10	3.23E-11	9.98E-11	1.32E-10
8658	437374.5	3763344	3.9E-10	1.33E-09	1.72E-09	6.06E-11	2.17E-10	2.78E-10	3.26E-11	1.01E-10	1.33E-10

8659	437384.1	3763344	3.939E-10	1.34E-09	1.74E-09	6.12E-11	2.19E-10	2.81E-10	3.30E-11	1.02E-10	1.35E-10
8660	437393.8	3763344	3.979E-10	1.36E-09	1.75E-09	6.18E-11	2.22E-10	2.83E-10	3.33E-11	1.03E-10	1.36E-10
8661	437403.4	3763344	4.022E-10	1.37E-09	1.77E-09	6.25E-11	2.24E-10	2.87E-10	3.37E-11	1.04E-10	1.38E-10
8662	437413.1	3763344	4.073E-10	1.39E-09	1.80E-09	6.33E-11	2.27E-10	2.90E-10	3.41E-11	1.05E-10	1.39E-10
8663	437422.7	3763344	4.126E-10	1.41E-09	1.82E-09	6.41E-11	2.30E-10	2.94E-10	3.45E-11	1.07E-10	1.41E-10
8664	437432.4	3763344	4.177E-10	1.42E-09	1.84E-09	6.49E-11	2.33E-10	2.98E-10	3.50E-11	1.08E-10	1.43E-10
8665	437442	3763344	4.222E-10	1.44E-09	1.86E-09	6.56E-11	2.35E-10	3.01E-10	3.53E-11	1.09E-10	1.44E-10
8666	437451.7	3763344	4.267E-10	1.46E-09	1.88E-09	6.63E-11	2.38E-10	3.04E-10	3.57E-11	1.10E-10	1.46E-10
8667	437461.3	3763344	4.313E-10	1.47E-09	1.90E-09	6.70E-11	2.40E-10	3.07E-10	3.61E-11	1.11E-10	1.48E-10
8668	437471	3763344	4.36E-10	1.49E-09	1.92E-09	6.78E-11	2.43E-10	3.11E-10	3.65E-11	1.13E-10	1.49E-10
8669	437480.6	3763344	4.408E-10	1.50E-09	1.94E-09	6.85E-11	2.46E-10	3.14E-10	3.69E-11	1.14E-10	1.51E-10
8670	437490.3	3763343	4.456E-10	1.52E-09	1.97E-09	6.92E-11	2.48E-10	3.17E-10	3.73E-11	1.15E-10	1.52E-10
8671	437499.9	3763343	4.512E-10	1.54E-09	1.99E-09	7.01E-11	2.51E-10	3.21E-10	3.78E-11	1.17E-10	1.54E-10
8672	437509.6	3763343	4.568E-10	1.56E-09	2.01E-09	7.10E-11	2.54E-10	3.25E-10	3.82E-11	1.18E-10	1.56E-10
8673	437519.2	3763343	4.626E-10	1.58E-09	2.04E-09	7.19E-11	2.58E-10	3.30E-10	3.87E-11	1.20E-10	1.58E-10
8674	437528.9	3763343	4.659E-10	1.59E-09	2.05E-09	7.24E-11	2.60E-10	3.32E-10	3.90E-11	1.20E-10	1.59E-10
8675	437538.5	3763343	4.693E-10	1.60E-09	2.07E-09	7.29E-11	2.61E-10	3.34E-10	3.93E-11	1.21E-10	1.61E-10
8676	437548.2	3763343	4.728E-10	1.61E-09	2.09E-09	7.35E-11	2.63E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
8677	437356	3763370	3.502E-10	1.19E-09	1.54E-09	5.44E-11	1.95E-10	2.50E-10	2.93E-11	9.05E-11	1.20E-10
8678	437347.2	3763366	3.516E-10	1.20E-09	1.55E-09	5.46E-11	1.96E-10	2.50E-10	2.94E-11	9.08E-11	1.20E-10
8679	437338.4	3763363	3.529E-10	1.20E-09	1.56E-09	5.48E-11	1.97E-10	2.51E-10	2.95E-11	9.12E-11	1.21E-10
8680	437329.6	3763359	3.544E-10	1.21E-09	1.56E-09	5.51E-11	1.97E-10	2.52E-10	2.97E-11	9.16E-11	1.21E-10
8681	437320.8	3763356	3.56E-10	1.21E-09	1.57E-09	5.53E-11	1.98E-10	2.54E-10	2.98E-11	9.20E-11	1.22E-10
8682	437312	3763352	3.577E-10	1.22E-09	1.58E-09	5.56E-11	1.99E-10	2.55E-10	2.99E-11	9.24E-11	1.22E-10
8683	437303.2	3763348	3.592E-10	1.23E-09	1.58E-09	5.58E-11	2.00E-10	2.56E-10	3.01E-11	9.28E-11	1.23E-10
8684	437294.4	3763345	3.611E-10	1.23E-09	1.59E-09	5.61E-11	2.01E-10	2.57E-10	3.02E-11	9.33E-11	1.24E-10
8685	437285.6	3763341	3.634E-10	1.24E-09	1.60E-09	5.65E-11	2.02E-10	2.59E-10	3.04E-11	9.39E-11	1.24E-10
8686	437276.7	3763337	3.66E-10	1.25E-09	1.61E-09	5.69E-11	2.04E-10	2.61E-10	3.06E-11	9.46E-11	1.25E-10
8687	437267.9	3763334	3.692E-10	1.26E-09	1.63E-09	5.74E-11	2.06E-10	2.63E-10	3.09E-11	9.54E-11	1.26E-10
8688	437259.1	3763330	3.723E-10	1.27E-09	1.64E-09	5.79E-11	2.07E-10	2.65E-10	3.12E-11	9.62E-11	1.27E-10
8689	437250.3	3763326	3.757E-10	1.28E-09	1.66E-09	5.84E-11	2.09E-10	2.68E-10	3.14E-11	9.71E-11	1.29E-10
8690	437241.5	3763323	3.791E-10	1.29E-09	1.67E-09	5.89E-11	2.11E-10	2.70E-10	3.17E-11	9.80E-11	1.30E-10
8691	437232.7	3763319	3.825E-10	1.30E-09	1.69E-09	5.94E-11	2.13E-10	2.73E-10	3.20E-11	9.88E-11	1.31E-10
8692	437223.9	3763316	3.861E-10	1.32E-09	1.70E-09	6.00E-11	2.15E-10	2.75E-10	3.23E-11	9.98E-11	1.32E-10
8693	437215.1	3763312	3.897E-10	1.33E-09	1.72E-09	6.06E-11	2.17E-10	2.78E-10	3.26E-11	1.01E-10	1.33E-10
8694	437206.2	3763308	3.934E-10	1.34E-09	1.73E-09	6.11E-11	2.19E-10	2.80E-10	3.29E-11	1.02E-10	1.35E-10
8695	437197.4	3763305	3.971E-10	1.35E-09	1.75E-09	6.17E-11	2.21E-10	2.83E-10	3.32E-11	1.03E-10	1.36E-10
8696	437188.6	3763301	4.008E-10	1.37E-09	1.77E-09	6.23E-11	2.23E-10	2.86E-10	3.35E-11	1.04E-10	1.37E-10
8697	437144.6	3763283	4.169E-10	1.42E-09	1.84E-09	6.48E-11	2.32E-10	2.97E-10	3.49E-11	1.08E-10	1.43E-10
8698	437135.7	3763279	4.19E-10	1.43E-09	1.85E-09	6.51E-11	2.33E-10	2.99E-10	3.51E-11	1.08E-10	1.43E-10
8699	437126.9	3763276	4.211E-10	1.44E-09	1.86E-09	6.54E-11	2.35E-10	3.00E-10	3.52E-11	1.09E-10	1.44E-10
8700	437118.1	3763272	4.23E-10	1.44E-09	1.87E-09	6.57E-11	2.36E-10	3.01E-10	3.54E-11	1.09E-10	1.45E-10
8701	437109.3	3763268	4.248E-10	1.45E-09	1.87E-09	6.60E-11	2.37E-10	3.03E-10	3.56E-11	1.10E-10	1.45E-10
8702	437100.5	3763265	4.266E-10	1.45E-09	1.88E-09	6.63E-11	2.38E-10	3.04E-10	3.57E-11	1.10E-10	1.46E-10
8703	437091.7	3763261	4.298E-10	1.47E-09	1.90E-09	6.68E-11	2.39E-10	3.06E-10	3.60E-11	1.11E-10	1.47E-10
8704	437082.9	3763257	4.329E-10	1.48E-09	1.91E-09	6.73E-11	2.41E-10	3.08E-10	3.62E-11	1.12E-10	1.48E-10
8705	437074.1	3763254	4.356E-10	1.49E-09	1.92E-09	6.77E-11	2.43E-10	3.10E-10	3.65E-11	1.13E-10	1.49E-10
8706	437065.2	3763250	4.376E-10	1.49E-09	1.93E-09	6.80E-11	2.44E-10	3.12E-10	3.66E-11	1.13E-10	1.50E-10
8707	437056.4	3763247	4.39E-10	1.50E-09	1.94E-09	6.82E-11	2.45E-10	3.13E-10	3.67E-11	1.13E-10	1.50E-10
8708	437047.6	3763243	4.403E-10	1.50E-09	1.94E-09	6.84E-11	2.45E-10	3.14E-10	3.69E-11	1.14E-10	1.51E-10
8709	437038.8	3763239	4.414E-10	1.51E-09	1.95E-09	6.86E-11	2.46E-10	3.14E-10	3.69E-11	1.14E-10	1.51E-10
8710	437030	3763236	4.423E-10	1.51E-09	1.95E-09	6.87E-11	2.46E-10	3.15E-10	3.70E-11	1.14E-10	1.51E-10
8711	437021.2	3763232	4.43E-10	1.51E-09	1.95E-09	6.88E-11	2.47E-10	3.16E-10	3.71E-11	1.14E-10	1.52E-10
8712	437012.4	3763228	4.436E-10	1.51E-09	1.96E-09	6.89E-11	2.47E-10	3.16E-10	3.71E-11	1.15E-10	1.52E-10
8713	436999.9	3763216	4.55E-10	1.55E-09	2.01E-09	7.07E-11	2.53E-10	3.24E-10	3.81E-11	1.18E-10	1.56E-10
8714	436996.2	3763207	4.662E-10	1.59E-09	2.06E-09	7.24E-11	2.60E-10	3.32E-10	3.90E-11	1.20E-10	1.59E-10
8715	436992.6	3763198	4.774E-10	1.63E-09	2.11E-09	7.42E-11	2.66E-10	3.40E-10	4.00E-11	1.23E-10	1.63E-10
8716	436988.9	3763190	4.886E-10	1.67E-09	2.15E-09	7.59E-11	2.72E-10	3.48E-10	4.09E-11	1.26E-10	1.67E-10
8717	436985.3	3763181	5.002E-10	1.71E-09	2.21E-09	7.77E-11	2.79E-10	3.56E-10	4.19E-11	1.29E-10	1.71E-10
8718	436981.6	3763172	5.119E-10	1.75E-09	2.26E-09	7.95E-11	2.85E-10	3.65E-10	4.28E-11	1.32E-10	1.75E-10
8719	436978	3763163	5.246E-10	1.79E-09	2.31E-09	8.15E-11	2.92E-10	3.74E-10	4.39E-11	1.36E-10	1.79E-10

8720	436974.3	3763154	5.364E-10	1.83E-09	2.37E-09	8.34E-11	2.99E-10	3.82E-10	4.49E-11	1.39E-10	1.84E-10
8721	436970.7	3763145	5.481E-10	1.87E-09	2.42E-09	8.52E-11	3.05E-10	3.90E-10	4.59E-11	1.42E-10	1.87E-10
8722	436967	3763137	5.597E-10	1.91E-09	2.47E-09	8.70E-11	3.12E-10	3.99E-10	4.68E-11	1.45E-10	1.91E-10
8723	436963.4	3763128	5.712E-10	1.95E-09	2.52E-09	8.88E-11	3.18E-10	4.07E-10	4.78E-11	1.48E-10	1.95E-10
8724	436959.7	3763119	5.825E-10	1.99E-09	2.57E-09	9.05E-11	3.24E-10	4.15E-10	4.88E-11	1.51E-10	1.99E-10
8725	436956.1	3763110	5.936E-10	2.02E-09	2.62E-09	9.22E-11	3.31E-10	4.23E-10	4.97E-11	1.53E-10	2.03E-10
8726	436952.4	3763101	6.046E-10	2.06E-09	2.67E-09	9.39E-11	3.37E-10	4.31E-10	5.06E-11	1.56E-10	2.07E-10
8727	436948.8	3763093	6.153E-10	2.10E-09	2.71E-09	9.56E-11	3.43E-10	4.38E-10	5.15E-11	1.59E-10	2.10E-10
8728	436945.1	3763084	6.258E-10	2.13E-09	2.76E-09	9.72E-11	3.49E-10	4.46E-10	5.24E-11	1.62E-10	2.14E-10
8729	436941.5	3763075	6.359E-10	2.17E-09	2.80E-09	9.88E-11	3.54E-10	4.53E-10	5.32E-11	1.64E-10	2.18E-10
8730	436937.8	3763066	6.455E-10	2.20E-09	2.85E-09	1.00E-10	3.60E-10	4.60E-10	5.40E-11	1.67E-10	2.21E-10
8731	436934.2	3763057	6.547E-10	2.23E-09	2.89E-09	1.02E-10	3.65E-10	4.66E-10	5.48E-11	1.69E-10	2.24E-10
8732	436930.5	3763049	6.635E-10	2.26E-09	2.93E-09	1.03E-10	3.70E-10	4.73E-10	5.55E-11	1.71E-10	2.27E-10
8733	436926.9	3763040	6.718E-10	2.29E-09	2.96E-09	1.04E-10	3.74E-10	4.79E-10	5.62E-11	1.74E-10	2.30E-10
8734	436923.2	3763031	6.796E-10	2.32E-09	3.00E-09	1.06E-10	3.79E-10	4.84E-10	5.69E-11	1.76E-10	2.32E-10
8735	436919.5	3763022	6.869E-10	2.34E-09	3.03E-09	1.07E-10	3.83E-10	4.89E-10	5.75E-11	1.77E-10	2.35E-10
8736	436915.9	3763013	6.937E-10	2.37E-09	3.06E-09	1.08E-10	3.86E-10	4.94E-10	5.81E-11	1.79E-10	2.37E-10
8737	436912.2	3763005	6.998E-10	2.39E-09	3.09E-09	1.09E-10	3.90E-10	4.99E-10	5.86E-11	1.81E-10	2.39E-10
8738	436908.6	3762996	7.054E-10	2.41E-09	3.11E-09	1.10E-10	3.93E-10	5.03E-10	5.90E-11	1.82E-10	2.41E-10
8739	436904.9	3762987	7.104E-10	2.42E-09	3.13E-09	1.10E-10	3.96E-10	5.06E-10	5.95E-11	1.84E-10	2.43E-10
8740	436901.3	3762978	7.146E-10	2.44E-09	3.15E-09	1.11E-10	3.98E-10	5.09E-10	5.98E-11	1.85E-10	2.44E-10
8741	436897.6	3762969	7.183E-10	2.45E-09	3.17E-09	1.12E-10	4.00E-10	5.12E-10	6.01E-11	1.86E-10	2.46E-10
8742	436894	3762961	7.213E-10	2.46E-09	3.18E-09	1.12E-10	4.02E-10	5.14E-10	6.04E-11	1.86E-10	2.47E-10
8743	436890.3	3762952	7.236E-10	2.47E-09	3.19E-09	1.12E-10	4.03E-10	5.16E-10	6.06E-11	1.87E-10	2.48E-10
8744	436886.7	3762943	7.255E-10	2.47E-09	3.20E-09	1.13E-10	4.04E-10	5.17E-10	6.07E-11	1.87E-10	2.48E-10
8745	436883	3762934	7.266E-10	2.48E-09	3.20E-09	1.13E-10	4.05E-10	5.18E-10	6.08E-11	1.88E-10	2.49E-10
8746	436879.4	3762925	7.273E-10	2.48E-09	3.21E-09	1.13E-10	4.05E-10	5.18E-10	6.09E-11	1.88E-10	2.49E-10
8747	436875.7	3762917	7.273E-10	2.48E-09	3.21E-09	1.13E-10	4.05E-10	5.18E-10	6.09E-11	1.88E-10	2.49E-10
8748	436872.1	3762908	7.268E-10	2.48E-09	3.21E-09	1.13E-10	4.05E-10	5.18E-10	6.08E-11	1.88E-10	2.49E-10
8749	436868.4	3762899	7.259E-10	2.48E-09	3.20E-09	1.13E-10	4.04E-10	5.17E-10	6.08E-11	1.88E-10	2.48E-10
8750	437364.9	3763374	3.49E-10	1.19E-09	1.54E-09	5.42E-11	1.94E-10	2.49E-10	2.92E-11	9.02E-11	1.19E-10
8751	437374.5	3763374	3.517E-10	1.20E-09	1.55E-09	5.46E-11	1.96E-10	2.51E-10	2.94E-11	9.09E-11	1.20E-10
8752	437384.2	3763374	3.537E-10	1.21E-09	1.56E-09	5.50E-11	1.97E-10	2.52E-10	2.96E-11	9.14E-11	1.21E-10
8753	437393.8	3763374	3.56E-10	1.21E-09	1.57E-09	5.53E-11	1.98E-10	2.54E-10	2.98E-11	9.20E-11	1.22E-10
8754	437403.5	3763374	3.59E-10	1.22E-09	1.58E-09	5.58E-11	2.00E-10	2.56E-10	3.00E-11	9.27E-11	1.23E-10
8755	437413.1	3763374	3.632E-10	1.24E-09	1.60E-09	5.64E-11	2.02E-10	2.59E-10	3.04E-11	9.38E-11	1.24E-10
8756	437422.8	3763374	3.676E-10	1.25E-09	1.62E-09	5.71E-11	2.05E-10	2.62E-10	3.08E-11	9.50E-11	1.26E-10
8757	437432.4	3763374	3.718E-10	1.27E-09	1.64E-09	5.78E-11	2.07E-10	2.65E-10	3.11E-11	9.61E-11	1.27E-10
8758	437442.1	3763374	3.756E-10	1.28E-09	1.66E-09	5.84E-11	2.09E-10	2.68E-10	3.14E-11	9.71E-11	1.28E-10
8759	437451.7	3763374	3.794E-10	1.29E-09	1.67E-09	5.90E-11	2.11E-10	2.70E-10	3.18E-11	9.80E-11	1.30E-10
8760	437461.4	3763374	3.833E-10	1.31E-09	1.69E-09	5.96E-11	2.14E-10	2.73E-10	3.21E-11	9.90E-11	1.31E-10
8761	437471	3763374	3.879E-10	1.32E-09	1.71E-09	6.03E-11	2.16E-10	2.76E-10	3.25E-11	1.00E-10	1.33E-10
8762	437480.7	3763374	3.926E-10	1.34E-09	1.73E-09	6.10E-11	2.19E-10	2.80E-10	3.29E-11	1.01E-10	1.34E-10
8763	437490.3	3763373	3.973E-10	1.35E-09	1.75E-09	6.17E-11	2.21E-10	2.83E-10	3.33E-11	1.03E-10	1.36E-10
8764	437500	3763373	4.016E-10	1.37E-09	1.77E-09	6.24E-11	2.24E-10	2.86E-10	3.36E-11	1.04E-10	1.37E-10
8765	437509.6	3763373	4.06E-10	1.38E-09	1.79E-09	6.31E-11	2.26E-10	2.89E-10	3.40E-11	1.05E-10	1.39E-10
8766	437519.3	3763373	4.105E-10	1.40E-09	1.81E-09	6.38E-11	2.29E-10	2.92E-10	3.44E-11	1.06E-10	1.40E-10
8767	437528.9	3763373	4.144E-10	1.41E-09	1.83E-09	6.44E-11	2.31E-10	2.95E-10	3.47E-11	1.07E-10	1.42E-10
8768	437538.6	3763373	4.184E-10	1.43E-09	1.85E-09	6.50E-11	2.33E-10	2.98E-10	3.50E-11	1.08E-10	1.43E-10
8769	437548.2	3763373	4.225E-10	1.44E-09	1.86E-09	6.56E-11	2.35E-10	3.01E-10	3.54E-11	1.09E-10	1.45E-10
8770	437356	3763400	3.181E-10	1.08E-09	1.40E-09	4.94E-11	1.77E-10	2.27E-10	2.66E-11	8.22E-11	1.09E-10
8771	437347.1	3763396	3.197E-10	1.09E-09	1.41E-09	4.97E-11	1.78E-10	2.28E-10	2.68E-11	8.26E-11	1.09E-10
8772	437338.2	3763393	3.211E-10	1.10E-09	1.42E-09	4.99E-11	1.79E-10	2.29E-10	2.69E-11	8.30E-11	1.10E-10
8773	437329.3	3763389	3.225E-10	1.10E-09	1.42E-09	5.01E-11	1.80E-10	2.30E-10	2.70E-11	8.33E-11	1.10E-10
8774	437320.4	3763385	3.238E-10	1.10E-09	1.43E-09	5.03E-11	1.80E-10	2.31E-10	2.71E-11	8.37E-11	1.11E-10
8775	437311.5	3763382	3.25E-10	1.11E-09	1.43E-09	5.05E-11	1.81E-10	2.32E-10	2.72E-11	8.40E-11	1.11E-10
8776	437302.6	3763378	3.264E-10	1.11E-09	1.44E-09	5.07E-11	1.82E-10	2.33E-10	2.73E-11	8.43E-11	1.12E-10
8777	437293.7	3763374	3.277E-10	1.12E-09	1.45E-09	5.09E-11	1.83E-10	2.33E-10	2.74E-11	8.47E-11	1.12E-10
8778	437284.9	3763371	3.29E-10	1.12E-09	1.45E-09	5.11E-11	1.83E-10	2.34E-10	2.75E-11	8.50E-11	1.13E-10
8779	437276	3763367	3.302E-10	1.13E-09	1.46E-09	5.13E-11	1.84E-10	2.35E-10	2.76E-11	8.53E-11	1.13E-10
8780	437267.1	3763363	3.315E-10	1.13E-09	1.46E-09	5.15E-11	1.85E-10	2.36E-10	2.78E-11	8.57E-11	1.13E-10

8781	437258.2	3763360	3.332E-10	1.14E-09	1.47E-09	5.18E-11	1.86E-10	2.37E-10	2.79E-11	8.61E-11	1.14E-10
8782	437249.3	3763356	3.35E-10	1.14E-09	1.48E-09	5.21E-11	1.87E-10	2.39E-10	2.80E-11	8.66E-11	1.15E-10
8783	437240.4	3763352	3.376E-10	1.15E-09	1.49E-09	5.25E-11	1.88E-10	2.41E-10	2.83E-11	8.72E-11	1.16E-10
8784	437231.5	3763349	3.407E-10	1.16E-09	1.50E-09	5.29E-11	1.90E-10	2.43E-10	2.85E-11	8.80E-11	1.17E-10
8785	437222.6	3763345	3.44E-10	1.17E-09	1.52E-09	5.35E-11	1.92E-10	2.45E-10	2.88E-11	8.89E-11	1.18E-10
8786	437213.7	3763341	3.47E-10	1.18E-09	1.53E-09	5.39E-11	1.93E-10	2.47E-10	2.90E-11	8.97E-11	1.19E-10
8787	437204.8	3763338	3.498E-10	1.19E-09	1.54E-09	5.44E-11	1.95E-10	2.49E-10	2.93E-11	9.04E-11	1.20E-10
8788	437195.9	3763334	3.527E-10	1.20E-09	1.56E-09	5.48E-11	1.96E-10	2.51E-10	2.95E-11	9.11E-11	1.21E-10
8789	437187	3763330	3.557E-10	1.21E-09	1.57E-09	5.53E-11	1.98E-10	2.53E-10	2.98E-11	9.19E-11	1.22E-10
8790	437142.5	3763312	3.704E-10	1.26E-09	1.63E-09	5.76E-11	2.06E-10	2.64E-10	3.10E-11	9.57E-11	1.27E-10
8791	437133.6	3763308	3.731E-10	1.27E-09	1.65E-09	5.80E-11	2.08E-10	2.66E-10	3.12E-11	9.64E-11	1.28E-10
8792	437124.7	3763305	3.755E-10	1.28E-09	1.66E-09	5.83E-11	2.09E-10	2.67E-10	3.14E-11	9.70E-11	1.28E-10
8793	437115.8	3763301	3.777E-10	1.29E-09	1.67E-09	5.87E-11	2.10E-10	2.69E-10	3.16E-11	9.76E-11	1.29E-10
8794	437106.9	3763297	3.795E-10	1.29E-09	1.67E-09	5.90E-11	2.11E-10	2.70E-10	3.18E-11	9.81E-11	1.30E-10
8795	437098	3763294	3.815E-10	1.30E-09	1.68E-09	5.93E-11	2.13E-10	2.72E-10	3.19E-11	9.86E-11	1.30E-10
8796	437089.1	3763290	3.842E-10	1.31E-09	1.69E-09	5.97E-11	2.14E-10	2.74E-10	3.22E-11	9.93E-11	1.31E-10
8797	437080.2	3763286	3.872E-10	1.32E-09	1.71E-09	6.02E-11	2.16E-10	2.76E-10	3.24E-11	1.00E-10	1.32E-10
8798	437071.3	3763283	3.902E-10	1.33E-09	1.72E-09	6.06E-11	2.17E-10	2.78E-10	3.27E-11	1.01E-10	1.33E-10
8799	437062.4	3763279	3.928E-10	1.34E-09	1.73E-09	6.10E-11	2.19E-10	2.80E-10	3.29E-11	1.02E-10	1.34E-10
8800	437053.5	3763275	3.95E-10	1.35E-09	1.74E-09	6.14E-11	2.20E-10	2.81E-10	3.31E-11	1.02E-10	1.35E-10
8801	437044.6	3763272	3.97E-10	1.35E-09	1.75E-09	6.17E-11	2.21E-10	2.83E-10	3.32E-11	1.03E-10	1.36E-10
8802	437035.7	3763268	3.984E-10	1.36E-09	1.76E-09	6.19E-11	2.22E-10	2.84E-10	3.33E-11	1.03E-10	1.36E-10
8803	437026.8	3763264	3.996E-10	1.36E-09	1.76E-09	6.21E-11	2.23E-10	2.85E-10	3.34E-11	1.03E-10	1.37E-10
8804	437018	3763261	4.006E-10	1.37E-09	1.77E-09	6.22E-11	2.23E-10	2.85E-10	3.35E-11	1.04E-10	1.37E-10
8805	437009.1	3763257	4.016E-10	1.37E-09	1.77E-09	6.24E-11	2.24E-10	2.86E-10	3.36E-11	1.04E-10	1.37E-10
8806	437000.2	3763253	4.03E-10	1.37E-09	1.78E-09	6.26E-11	2.24E-10	2.87E-10	3.37E-11	1.04E-10	1.38E-10
8807	436991.3	3763250	4.035E-10	1.38E-09	1.78E-09	6.27E-11	2.25E-10	2.87E-10	3.38E-11	1.04E-10	1.38E-10
8808	436978.7	3763237	4.134E-10	1.41E-09	1.82E-09	6.42E-11	2.30E-10	2.95E-10	3.46E-11	1.07E-10	1.41E-10
8809	436975	3763228	4.226E-10	1.44E-09	1.86E-09	6.57E-11	2.35E-10	3.01E-10	3.54E-11	1.09E-10	1.45E-10
8810	436971.3	3763219	4.325E-10	1.47E-09	1.91E-09	6.72E-11	2.41E-10	3.08E-10	3.62E-11	1.12E-10	1.48E-10
8811	436967.6	3763210	4.425E-10	1.51E-09	1.95E-09	6.88E-11	2.47E-10	3.15E-10	3.70E-11	1.14E-10	1.51E-10
8812	436963.9	3763202	4.526E-10	1.54E-09	2.00E-09	7.03E-11	2.52E-10	3.22E-10	3.79E-11	1.17E-10	1.55E-10
8813	436960.2	3763193	4.628E-10	1.58E-09	2.04E-09	7.19E-11	2.58E-10	3.30E-10	3.87E-11	1.20E-10	1.58E-10
8814	436956.6	3763184	4.73E-10	1.61E-09	2.09E-09	7.35E-11	2.63E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
8815	436952.9	3763175	4.832E-10	1.65E-09	2.13E-09	7.51E-11	2.69E-10	3.44E-10	4.04E-11	1.25E-10	1.65E-10
8816	436949.2	3763166	4.938E-10	1.68E-09	2.18E-09	7.67E-11	2.75E-10	3.52E-10	4.13E-11	1.28E-10	1.69E-10
8817	436945.5	3763157	5.043E-10	1.72E-09	2.22E-09	7.84E-11	2.81E-10	3.59E-10	4.22E-11	1.30E-10	1.73E-10
8818	436941.8	3763148	5.145E-10	1.75E-09	2.27E-09	7.99E-11	2.87E-10	3.67E-10	4.31E-11	1.33E-10	1.76E-10
8819	436938.1	3763139	5.245E-10	1.79E-09	2.31E-09	8.15E-11	2.92E-10	3.74E-10	4.39E-11	1.36E-10	1.79E-10
8820	436934.4	3763130	5.343E-10	1.82E-09	2.36E-09	8.30E-11	2.98E-10	3.81E-10	4.47E-11	1.38E-10	1.83E-10
8821	436930.7	3763122	5.44E-10	1.85E-09	2.40E-09	8.45E-11	3.03E-10	3.88E-10	4.55E-11	1.41E-10	1.86E-10
8822	436927.1	3763113	5.534E-10	1.89E-09	2.44E-09	8.60E-11	3.08E-10	3.94E-10	4.63E-11	1.43E-10	1.89E-10
8823	436923.4	3763104	5.627E-10	1.92E-09	2.48E-09	8.74E-11	3.13E-10	4.01E-10	4.71E-11	1.45E-10	1.93E-10
8824	436919.7	3763095	5.717E-10	1.95E-09	2.52E-09	8.88E-11	3.18E-10	4.07E-10	4.79E-11	1.48E-10	1.96E-10
8825	436916	3763086	5.805E-10	1.98E-09	2.56E-09	9.02E-11	3.23E-10	4.14E-10	4.86E-11	1.50E-10	1.99E-10
8826	436912.3	3763077	5.889E-10	2.01E-09	2.60E-09	9.15E-11	3.28E-10	4.20E-10	4.93E-11	1.52E-10	2.01E-10
8827	436908.6	3763068	5.969E-10	2.04E-09	2.63E-09	9.27E-11	3.32E-10	4.25E-10	5.00E-11	1.54E-10	2.04E-10
8828	436904.9	3763059	6.045E-10	2.06E-09	2.67E-09	9.39E-11	3.37E-10	4.31E-10	5.06E-11	1.56E-10	2.07E-10
8829	436901.2	3763050	6.117E-10	2.09E-09	2.70E-09	9.50E-11	3.41E-10	4.36E-10	5.12E-11	1.58E-10	2.09E-10
8830	436897.6	3763042	6.184E-10	2.11E-09	2.73E-09	9.61E-11	3.45E-10	4.41E-10	5.18E-11	1.60E-10	2.12E-10
8831	436893.9	3763033	6.247E-10	2.13E-09	2.76E-09	9.71E-11	3.48E-10	4.45E-10	5.23E-11	1.61E-10	2.14E-10
8832	436890.2	3763024	6.306E-10	2.15E-09	2.78E-09	9.80E-11	3.51E-10	4.49E-10	5.28E-11	1.63E-10	2.16E-10
8833	436886.5	3763015	6.36E-10	2.17E-09	2.80E-09	9.88E-11	3.54E-10	4.53E-10	5.32E-11	1.64E-10	2.18E-10
8834	436882.8	3763006	6.409E-10	2.19E-09	2.83E-09	9.96E-11	3.57E-10	4.57E-10	5.36E-11	1.66E-10	2.19E-10
8835	436879.1	3762997	6.453E-10	2.20E-09	2.85E-09	1.00E-10	3.59E-10	4.60E-10	5.40E-11	1.67E-10	2.21E-10
8836	436875.4	3762988	6.491E-10	2.21E-09	2.86E-09	1.01E-10	3.62E-10	4.62E-10	5.43E-11	1.68E-10	2.22E-10
8837	436871.7	3762979	6.524E-10	2.22E-09	2.88E-09	1.01E-10	3.63E-10	4.65E-10	5.46E-11	1.69E-10	2.23E-10
8838	436868.1	3762970	6.551E-10	2.23E-09	2.89E-09	1.02E-10	3.65E-10	4.67E-10	5.48E-11	1.69E-10	2.24E-10
8839	436864.4	3762962	6.573E-10	2.24E-09	2.90E-09	1.02E-10	3.66E-10	4.68E-10	5.50E-11	1.70E-10	2.25E-10
8840	436860.7	3762953	6.59E-10	2.25E-09	2.91E-09	1.02E-10	3.67E-10	4.70E-10	5.52E-11	1.70E-10	2.25E-10
8841	436857	3762944	6.602E-10	2.25E-09	2.91E-09	1.03E-10	3.68E-10	4.70E-10	5.53E-11	1.71E-10	2.26E-10

8842	436853.3	3762935	6.608E-10	2.25E-09	2.91E-09	1.03E-10	3.68E-10	4.71E-10	5.53E-11	1.71E-10	2.26E-10
8843	436849.6	3762926	6.61E-10	2.25E-09	2.92E-09	1.03E-10	3.68E-10	4.71E-10	5.53E-11	1.71E-10	2.26E-10
8844	436845.9	3762917	6.608E-10	2.25E-09	2.91E-09	1.03E-10	3.68E-10	4.71E-10	5.53E-11	1.71E-10	2.26E-10
8845	436842.2	3762908	6.602E-10	2.25E-09	2.91E-09	1.03E-10	3.68E-10	4.70E-10	5.53E-11	1.71E-10	2.26E-10
8846	436838.6	3762899	6.59E-10	2.25E-09	2.91E-09	1.02E-10	3.67E-10	4.70E-10	5.52E-11	1.70E-10	2.25E-10
8847	437364.9	3763404	3.164E-10	1.08E-09	1.40E-09	4.92E-11	1.76E-10	2.25E-10	2.65E-11	8.18E-11	1.08E-10
8848	437374.6	3763404	3.184E-10	1.09E-09	1.40E-09	4.95E-11	1.77E-10	2.27E-10	2.66E-11	8.23E-11	1.09E-10
8849	437384.2	3763404	3.198E-10	1.09E-09	1.41E-09	4.97E-11	1.78E-10	2.28E-10	2.68E-11	8.26E-11	1.09E-10
8850	437393.9	3763404	3.215E-10	1.10E-09	1.42E-09	5.00E-11	1.79E-10	2.29E-10	2.69E-11	8.31E-11	1.10E-10
8851	437403.5	3763404	3.236E-10	1.10E-09	1.43E-09	5.03E-11	1.80E-10	2.31E-10	2.71E-11	8.36E-11	1.11E-10
8852	437413.2	3763404	3.262E-10	1.11E-09	1.44E-09	5.07E-11	1.82E-10	2.32E-10	2.73E-11	8.43E-11	1.12E-10
8853	437422.8	3763404	3.288E-10	1.12E-09	1.45E-09	5.11E-11	1.83E-10	2.34E-10	2.75E-11	8.50E-11	1.12E-10
8854	437432.5	3763404	3.317E-10	1.13E-09	1.46E-09	5.15E-11	1.85E-10	2.36E-10	2.78E-11	8.57E-11	1.13E-10
8855	437442.1	3763404	3.352E-10	1.14E-09	1.48E-09	5.21E-11	1.87E-10	2.39E-10	2.81E-11	8.66E-11	1.15E-10
8856	437451.8	3763404	3.393E-10	1.16E-09	1.50E-09	5.27E-11	1.89E-10	2.42E-10	2.84E-11	8.77E-11	1.16E-10
8857	437461.4	3763404	3.43E-10	1.17E-09	1.51E-09	5.33E-11	1.91E-10	2.44E-10	2.87E-11	8.86E-11	1.17E-10
8858	437471.1	3763404	3.464E-10	1.18E-09	1.53E-09	5.38E-11	1.93E-10	2.47E-10	2.90E-11	8.95E-11	1.19E-10
8859	437480.7	3763404	3.5E-10	1.19E-09	1.54E-09	5.44E-11	1.95E-10	2.49E-10	2.93E-11	9.04E-11	1.20E-10
8860	437490.4	3763403	3.534E-10	1.21E-09	1.56E-09	5.49E-11	1.97E-10	2.52E-10	2.96E-11	9.13E-11	1.21E-10
8861	437500	3763403	3.569E-10	1.22E-09	1.57E-09	5.55E-11	1.99E-10	2.54E-10	2.99E-11	9.22E-11	1.22E-10
8862	437509.7	3763403	3.604E-10	1.23E-09	1.59E-09	5.60E-11	2.01E-10	2.57E-10	3.02E-11	9.31E-11	1.23E-10
8863	437519.3	3763403	3.638E-10	1.24E-09	1.60E-09	5.65E-11	2.03E-10	2.59E-10	3.05E-11	9.40E-11	1.24E-10
8864	437529	3763403	3.67E-10	1.25E-09	1.62E-09	5.70E-11	2.04E-10	2.61E-10	3.07E-11	9.48E-11	1.26E-10
8865	437538.6	3763403	3.7E-10	1.26E-09	1.63E-09	5.75E-11	2.06E-10	2.64E-10	3.10E-11	9.56E-11	1.27E-10
8866	437548.3	3763403	3.716E-10	1.27E-09	1.64E-09	5.77E-11	2.07E-10	2.65E-10	3.11E-11	9.60E-11	1.27E-10
8867	437356.2	3763430	2.897E-10	9.88E-10	1.28E-09	4.50E-11	1.61E-10	2.06E-10	2.43E-11	7.49E-11	9.91E-11
8868	437347.4	3763427	2.914E-10	9.94E-10	1.28E-09	4.53E-11	1.62E-10	2.08E-10	2.44E-11	7.53E-11	9.97E-11
8869	437338.7	3763423	2.931E-10	1.00E-09	1.29E-09	4.55E-11	1.63E-10	2.09E-10	2.45E-11	7.57E-11	1.00E-10
8870	437329.9	3763419	2.949E-10	1.01E-09	1.30E-09	4.58E-11	1.64E-10	2.10E-10	2.47E-11	7.62E-11	1.01E-10
8871	437321.1	3763416	2.968E-10	1.01E-09	1.31E-09	4.61E-11	1.65E-10	2.11E-10	2.48E-11	7.67E-11	1.02E-10
8872	437312.3	3763412	2.988E-10	1.02E-09	1.32E-09	4.64E-11	1.66E-10	2.13E-10	2.50E-11	7.72E-11	1.02E-10
8873	437303.5	3763408	3.006E-10	1.03E-09	1.33E-09	4.67E-11	1.67E-10	2.14E-10	2.52E-11	7.77E-11	1.03E-10
8874	437294.8	3763405	3.021E-10	1.03E-09	1.33E-09	4.69E-11	1.68E-10	2.15E-10	2.53E-11	7.80E-11	1.03E-10
8875	437286	3763401	3.033E-10	1.03E-09	1.34E-09	4.71E-11	1.69E-10	2.16E-10	2.54E-11	7.84E-11	1.04E-10
8876	437277.2	3763398	3.041E-10	1.04E-09	1.34E-09	4.73E-11	1.69E-10	2.17E-10	2.55E-11	7.86E-11	1.04E-10
8877	437268.4	3763394	3.042E-10	1.04E-09	1.34E-09	4.73E-11	1.69E-10	2.17E-10	2.55E-11	7.86E-11	1.04E-10
8878	437259.6	3763390	3.045E-10	1.04E-09	1.34E-09	4.73E-11	1.70E-10	2.17E-10	2.55E-11	7.87E-11	1.04E-10
8879	437250.9	3763387	3.052E-10	1.04E-09	1.35E-09	4.74E-11	1.70E-10	2.17E-10	2.55E-11	7.89E-11	1.04E-10
8880	437242.1	3763383	3.064E-10	1.05E-09	1.35E-09	4.76E-11	1.71E-10	2.18E-10	2.56E-11	7.92E-11	1.05E-10
8881	437233.3	3763379	3.081E-10	1.05E-09	1.36E-09	4.79E-11	1.72E-10	2.20E-10	2.58E-11	7.96E-11	1.05E-10
8882	437224.5	3763376	3.101E-10	1.06E-09	1.37E-09	4.82E-11	1.73E-10	2.21E-10	2.60E-11	8.01E-11	1.06E-10
8883	437215.8	3763372	3.123E-10	1.07E-09	1.38E-09	4.85E-11	1.74E-10	2.23E-10	2.61E-11	8.07E-11	1.07E-10
8884	437207	3763369	3.145E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.63E-11	8.13E-11	1.08E-10
8885	437198.2	3763365	3.167E-10	1.08E-09	1.40E-09	4.92E-11	1.76E-10	2.26E-10	2.65E-11	8.18E-11	1.08E-10
8886	437189.4	3763361	3.189E-10	1.09E-09	1.41E-09	4.96E-11	1.78E-10	2.27E-10	2.67E-11	8.24E-11	1.09E-10
8887	437145.5	3763343	3.323E-10	1.13E-09	1.47E-09	5.16E-11	1.85E-10	2.37E-10	2.78E-11	8.59E-11	1.14E-10
8888	437136.7	3763340	3.346E-10	1.14E-09	1.48E-09	5.20E-11	1.86E-10	2.38E-10	2.80E-11	8.65E-11	1.14E-10
8889	437128	3763336	3.367E-10	1.15E-09	1.48E-09	5.23E-11	1.88E-10	2.40E-10	2.82E-11	8.70E-11	1.15E-10
8890	437119.2	3763332	3.387E-10	1.15E-09	1.49E-09	5.26E-11	1.89E-10	2.41E-10	2.83E-11	8.75E-11	1.16E-10
8891	437110.4	3763329	3.407E-10	1.16E-09	1.50E-09	5.29E-11	1.90E-10	2.43E-10	2.85E-11	8.80E-11	1.17E-10
8892	437101.6	3763325	3.429E-10	1.17E-09	1.51E-09	5.33E-11	1.91E-10	2.44E-10	2.87E-11	8.86E-11	1.17E-10
8893	437092.9	3763322	3.456E-10	1.18E-09	1.52E-09	5.37E-11	1.93E-10	2.46E-10	2.89E-11	8.93E-11	1.18E-10
8894	437084.1	3763318	3.483E-10	1.19E-09	1.54E-09	5.41E-11	1.94E-10	2.48E-10	2.92E-11	9.00E-11	1.19E-10
8895	437075.3	3763314	3.508E-10	1.20E-09	1.55E-09	5.45E-11	1.95E-10	2.50E-10	2.94E-11	9.06E-11	1.20E-10
8896	437066.5	3763311	3.53E-10	1.20E-09	1.56E-09	5.48E-11	1.97E-10	2.51E-10	2.95E-11	9.12E-11	1.21E-10
8897	437057.7	3763307	3.551E-10	1.21E-09	1.57E-09	5.52E-11	1.98E-10	2.53E-10	2.97E-11	9.17E-11	1.21E-10
8898	437049	3763303	3.571E-10	1.22E-09	1.57E-09	5.55E-11	1.99E-10	2.54E-10	2.99E-11	9.23E-11	1.22E-10
8899	437040.2	3763300	3.592E-10	1.23E-09	1.58E-09	5.58E-11	2.00E-10	2.56E-10	3.01E-11	9.28E-11	1.23E-10
8900	437031.4	3763296	3.609E-10	1.23E-09	1.59E-09	5.61E-11	2.01E-10	2.57E-10	3.02E-11	9.32E-11	1.23E-10
8901	437022.6	3763293	3.625E-10	1.24E-09	1.60E-09	5.63E-11	2.02E-10	2.58E-10	3.03E-11	9.37E-11	1.24E-10
8902	437013.8	3763289	3.638E-10	1.24E-09	1.60E-09	5.65E-11	2.03E-10	2.59E-10	3.05E-11	9.40E-11	1.24E-10

8903	437005.1	3763285	3.645E-10	1.24E-09	1.61E-09	5.66E-11	2.03E-10	2.60E-10	3.05E-11	9.42E-11	1.25E-10
8904	436996.3	3763282	3.653E-10	1.25E-09	1.61E-09	5.68E-11	2.03E-10	2.60E-10	3.06E-11	9.44E-11	1.25E-10
8905	436987.5	3763278	3.662E-10	1.25E-09	1.61E-09	5.69E-11	2.04E-10	2.61E-10	3.06E-11	9.46E-11	1.25E-10
8906	436978.7	3763274	3.672E-10	1.25E-09	1.62E-09	5.71E-11	2.05E-10	2.62E-10	3.07E-11	9.49E-11	1.26E-10
8907	436970	3763271	3.679E-10	1.25E-09	1.62E-09	5.72E-11	2.05E-10	2.62E-10	3.08E-11	9.51E-11	1.26E-10
8908	436957.5	3763258	3.77E-10	1.29E-09	1.66E-09	5.86E-11	2.10E-10	2.69E-10	3.16E-11	9.74E-11	1.29E-10
8909	436953.9	3763250	3.851E-10	1.31E-09	1.70E-09	5.98E-11	2.15E-10	2.74E-10	3.22E-11	9.95E-11	1.32E-10
8910	436950.3	3763241	3.934E-10	1.34E-09	1.73E-09	6.11E-11	2.19E-10	2.80E-10	3.29E-11	1.02E-10	1.35E-10
8911	436946.6	3763232	4.02E-10	1.37E-09	1.77E-09	6.25E-11	2.24E-10	2.86E-10	3.36E-11	1.04E-10	1.38E-10
8912	436943	3763223	4.107E-10	1.40E-09	1.81E-09	6.38E-11	2.29E-10	2.93E-10	3.44E-11	1.06E-10	1.40E-10
8913	436939.3	3763215	4.194E-10	1.43E-09	1.85E-09	6.52E-11	2.34E-10	2.99E-10	3.51E-11	1.08E-10	1.43E-10
8914	436935.7	3763206	4.282E-10	1.46E-09	1.89E-09	6.65E-11	2.39E-10	3.05E-10	3.58E-11	1.11E-10	1.46E-10
8915	436932.1	3763197	4.37E-10	1.49E-09	1.93E-09	6.79E-11	2.43E-10	3.11E-10	3.66E-11	1.13E-10	1.49E-10
8916	436928.4	3763188	4.457E-10	1.52E-09	1.97E-09	6.93E-11	2.48E-10	3.18E-10	3.73E-11	1.15E-10	1.52E-10
8917	436924.8	3763180	4.545E-10	1.55E-09	2.00E-09	7.06E-11	2.53E-10	3.24E-10	3.80E-11	1.17E-10	1.55E-10
8918	436921.1	3763171	4.632E-10	1.58E-09	2.04E-09	7.20E-11	2.58E-10	3.30E-10	3.88E-11	1.20E-10	1.58E-10
8919	436917.5	3763162	4.727E-10	1.61E-09	2.08E-09	7.34E-11	2.63E-10	3.37E-10	3.96E-11	1.22E-10	1.62E-10
8920	436913.9	3763153	4.812E-10	1.64E-09	2.12E-09	7.48E-11	2.68E-10	3.43E-10	4.03E-11	1.24E-10	1.65E-10
8921	436910.2	3763144	4.897E-10	1.67E-09	2.16E-09	7.61E-11	2.73E-10	3.49E-10	4.10E-11	1.27E-10	1.68E-10
8922	436906.6	3763136	4.98E-10	1.70E-09	2.20E-09	7.74E-11	2.77E-10	3.55E-10	4.17E-11	1.29E-10	1.70E-10
8923	436903	3763127	5.062E-10	1.73E-09	2.23E-09	7.87E-11	2.82E-10	3.61E-10	4.24E-11	1.31E-10	1.73E-10
8924	436899.3	3763118	5.142E-10	1.75E-09	2.27E-09	7.99E-11	2.86E-10	3.66E-10	4.30E-11	1.33E-10	1.76E-10
8925	436895.7	3763109	5.22E-10	1.78E-09	2.30E-09	8.11E-11	2.91E-10	3.72E-10	4.37E-11	1.35E-10	1.79E-10
8926	436892	3763101	5.295E-10	1.81E-09	2.34E-09	8.23E-11	2.95E-10	3.77E-10	4.43E-11	1.37E-10	1.81E-10
8927	436888.4	3763092	5.367E-10	1.83E-09	2.37E-09	8.34E-11	2.99E-10	3.82E-10	4.49E-11	1.39E-10	1.84E-10
8928	436884.8	3763083	5.436E-10	1.85E-09	2.40E-09	8.45E-11	3.03E-10	3.87E-10	4.55E-11	1.40E-10	1.86E-10
8929	436881.1	3763074	5.502E-10	1.88E-09	2.43E-09	8.55E-11	3.06E-10	3.92E-10	4.61E-11	1.42E-10	1.88E-10
8930	436877.5	3763065	5.565E-10	1.90E-09	2.45E-09	8.65E-11	3.10E-10	3.96E-10	4.66E-11	1.44E-10	1.90E-10
8931	436873.9	3763057	5.624E-10	1.92E-09	2.48E-09	8.74E-11	3.13E-10	4.01E-10	4.71E-11	1.45E-10	1.92E-10
8932	436870.2	3763048	5.681E-10	1.94E-09	2.51E-09	8.83E-11	3.16E-10	4.05E-10	4.76E-11	1.47E-10	1.94E-10
8933	436866.6	3763039	5.734E-10	1.96E-09	2.53E-09	8.91E-11	3.19E-10	4.08E-10	4.80E-11	1.48E-10	1.96E-10
8934	436862.9	3763030	5.782E-10	1.97E-09	2.55E-09	8.98E-11	3.22E-10	4.12E-10	4.84E-11	1.49E-10	1.98E-10
8935	436859.3	3763022	5.826E-10	1.99E-09	2.57E-09	9.05E-11	3.25E-10	4.15E-10	4.88E-11	1.51E-10	1.99E-10
8936	436855.7	3763013	5.866E-10	2.00E-09	2.59E-09	9.11E-11	3.27E-10	4.18E-10	4.91E-11	1.52E-10	2.01E-10
8937	436852	3763004	5.901E-10	2.01E-09	2.60E-09	9.17E-11	3.29E-10	4.20E-10	4.94E-11	1.52E-10	2.02E-10
8938	436848.4	3762995	5.933E-10	2.02E-09	2.62E-09	9.22E-11	3.31E-10	4.23E-10	4.97E-11	1.53E-10	2.03E-10
8939	436844.7	3762987	5.96E-10	2.03E-09	2.63E-09	9.26E-11	3.32E-10	4.25E-10	4.99E-11	1.54E-10	2.04E-10
8940	436841.1	3762978	5.983E-10	2.04E-09	2.64E-09	9.30E-11	3.33E-10	4.26E-10	5.01E-11	1.55E-10	2.05E-10
8941	436837.5	3762969	6.001E-10	2.05E-09	2.65E-09	9.32E-11	3.34E-10	4.28E-10	5.02E-11	1.55E-10	2.05E-10
8942	436833.8	3762960	6.016E-10	2.05E-09	2.65E-09	9.35E-11	3.35E-10	4.29E-10	5.04E-11	1.55E-10	2.06E-10
8943	436830.2	3762951	6.025E-10	2.05E-09	2.66E-09	9.36E-11	3.36E-10	4.29E-10	5.04E-11	1.56E-10	2.06E-10
8944	436826.6	3762943	6.032E-10	2.06E-09	2.66E-09	9.37E-11	3.36E-10	4.30E-10	5.05E-11	1.56E-10	2.06E-10
8945	436822.9	3762934	6.034E-10	2.06E-09	2.66E-09	9.38E-11	3.36E-10	4.30E-10	5.05E-11	1.56E-10	2.06E-10
8946	436819.3	3762925	6.033E-10	2.06E-09	2.66E-09	9.37E-11	3.36E-10	4.30E-10	5.05E-11	1.56E-10	2.06E-10
8947	436815.6	3762916	6.028E-10	2.06E-09	2.66E-09	9.37E-11	3.36E-10	4.29E-10	5.05E-11	1.56E-10	2.06E-10
8948	436812	3762908	6.019E-10	2.05E-09	2.65E-09	9.35E-11	3.35E-10	4.29E-10	5.04E-11	1.56E-10	2.06E-10
8949	437365	3763434	2.882E-10	9.83E-10	1.27E-09	4.48E-11	1.61E-10	2.05E-10	2.41E-11	7.45E-11	9.86E-11
8950	437374.6	3763434	2.899E-10	9.89E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.49E-11	9.92E-11
8951	437384.3	3763434	2.917E-10	9.95E-10	1.29E-09	4.53E-11	1.63E-10	2.08E-10	2.44E-11	7.54E-11	9.98E-11
8952	437393.9	3763434	2.936E-10	1.00E-09	1.29E-09	4.56E-11	1.64E-10	2.09E-10	2.46E-11	7.59E-11	1.00E-10
8953	437403.6	3763434	2.955E-10	1.01E-09	1.30E-09	4.59E-11	1.65E-10	2.10E-10	2.47E-11	7.63E-11	1.01E-10
8954	437413.2	3763434	2.976E-10	1.01E-09	1.31E-09	4.62E-11	1.66E-10	2.12E-10	2.49E-11	7.69E-11	1.02E-10
8955	437422.9	3763434	2.996E-10	1.02E-09	1.32E-09	4.66E-11	1.67E-10	2.13E-10	2.51E-11	7.74E-11	1.03E-10
8956	437432.5	3763434	3.016E-10	1.03E-09	1.33E-09	4.69E-11	1.68E-10	2.15E-10	2.52E-11	7.79E-11	1.03E-10
8957	437442.2	3763434	3.035E-10	1.03E-09	1.34E-09	4.72E-11	1.69E-10	2.16E-10	2.54E-11	7.84E-11	1.04E-10
8958	437451.8	3763434	3.054E-10	1.04E-09	1.35E-09	4.75E-11	1.70E-10	2.18E-10	2.56E-11	7.89E-11	1.04E-10
8959	437461.5	3763434	3.074E-10	1.05E-09	1.36E-09	4.78E-11	1.71E-10	2.19E-10	2.57E-11	7.94E-11	1.05E-10
8960	437471.1	3763434	3.104E-10	1.06E-09	1.37E-09	4.82E-11	1.73E-10	2.21E-10	2.60E-11	8.02E-11	1.06E-10
8961	437480.8	3763434	3.136E-10	1.07E-09	1.38E-09	4.87E-11	1.75E-10	2.23E-10	2.62E-11	8.10E-11	1.07E-10
8962	437490.4	3763433	3.167E-10	1.08E-09	1.40E-09	4.92E-11	1.76E-10	2.26E-10	2.65E-11	8.18E-11	1.08E-10
8963	437500.1	3763433	3.195E-10	1.09E-09	1.41E-09	4.96E-11	1.78E-10	2.28E-10	2.67E-11	8.26E-11	1.09E-10

8964	437509.7	3763433	3.223E-10	1.10E-09	1.42E-09	5.01E-11	1.80E-10	2.30E-10	2.70E-11	8.33E-11	1.10E-10
8965	437519.4	3763433	3.252E-10	1.11E-09	1.43E-09	5.05E-11	1.81E-10	2.32E-10	2.72E-11	8.40E-11	1.11E-10
8966	437529	3763433	3.274E-10	1.12E-09	1.44E-09	5.09E-11	1.82E-10	2.33E-10	2.74E-11	8.46E-11	1.12E-10
8967	437538.7	3763433	3.298E-10	1.12E-09	1.45E-09	5.12E-11	1.84E-10	2.35E-10	2.76E-11	8.52E-11	1.13E-10
8968	437548.3	3763433	3.321E-10	1.13E-09	1.46E-09	5.16E-11	1.85E-10	2.37E-10	2.78E-11	8.58E-11	1.14E-10
8969	437356.2	3763460	2.642E-10	9.01E-10	1.17E-09	4.11E-11	1.47E-10	1.88E-10	2.21E-11	6.83E-11	9.04E-11
8970	437347.3	3763456	2.653E-10	9.05E-10	1.17E-09	4.12E-11	1.48E-10	1.89E-10	2.22E-11	6.85E-11	9.08E-11
8971	437338.5	3763453	2.666E-10	9.09E-10	1.18E-09	4.14E-11	1.49E-10	1.90E-10	2.23E-11	6.89E-11	9.12E-11
8972	437329.6	3763449	2.685E-10	9.16E-10	1.18E-09	4.17E-11	1.50E-10	1.91E-10	2.25E-11	6.94E-11	9.19E-11
8973	437320.8	3763445	2.705E-10	9.22E-10	1.19E-09	4.20E-11	1.51E-10	1.93E-10	2.26E-11	6.99E-11	9.25E-11
8974	437311.9	3763442	2.727E-10	9.30E-10	1.20E-09	4.24E-11	1.52E-10	1.94E-10	2.28E-11	7.05E-11	9.33E-11
8975	437303.1	3763438	2.747E-10	9.37E-10	1.21E-09	4.27E-11	1.53E-10	1.96E-10	2.30E-11	7.10E-11	9.40E-11
8976	437294.2	3763435	2.76E-10	9.41E-10	1.22E-09	4.29E-11	1.54E-10	1.97E-10	2.31E-11	7.13E-11	9.44E-11
8977	437285.3	3763431	2.773E-10	9.46E-10	1.22E-09	4.31E-11	1.54E-10	1.98E-10	2.32E-11	7.17E-11	9.49E-11
8978	437276.5	3763427	2.787E-10	9.50E-10	1.23E-09	4.33E-11	1.55E-10	1.99E-10	2.33E-11	7.20E-11	9.53E-11
8979	437267.6	3763424	2.801E-10	9.55E-10	1.24E-09	4.35E-11	1.56E-10	2.00E-10	2.34E-11	7.24E-11	9.58E-11
8980	437258.8	3763420	2.807E-10	9.57E-10	1.24E-09	4.36E-11	1.56E-10	2.00E-10	2.35E-11	7.25E-11	9.60E-11
8981	437249.9	3763416	2.81E-10	9.58E-10	1.24E-09	4.37E-11	1.57E-10	2.00E-10	2.35E-11	7.26E-11	9.61E-11
8982	437241.1	3763413	2.813E-10	9.59E-10	1.24E-09	4.37E-11	1.57E-10	2.00E-10	2.35E-11	7.27E-11	9.62E-11
8983	437232.2	3763409	2.819E-10	9.61E-10	1.24E-09	4.38E-11	1.57E-10	2.01E-10	2.36E-11	7.28E-11	9.64E-11
8984	437223.4	3763405	2.826E-10	9.64E-10	1.25E-09	4.39E-11	1.57E-10	2.01E-10	2.37E-11	7.30E-11	9.67E-11
8985	437214.5	3763402	2.84E-10	9.68E-10	1.25E-09	4.41E-11	1.58E-10	2.02E-10	2.38E-11	7.34E-11	9.71E-11
8986	437205.6	3763398	2.855E-10	9.74E-10	1.26E-09	4.44E-11	1.59E-10	2.03E-10	2.39E-11	7.38E-11	9.77E-11
8987	437196.8	3763394	2.873E-10	9.80E-10	1.27E-09	4.46E-11	1.60E-10	2.05E-10	2.40E-11	7.42E-11	9.83E-11
8988	437187.9	3763391	2.893E-10	9.87E-10	1.28E-09	4.50E-11	1.61E-10	2.06E-10	2.42E-11	7.48E-11	9.90E-11
8989	437143.7	3763372	3.004E-10	1.02E-09	1.32E-09	4.67E-11	1.67E-10	2.14E-10	2.51E-11	7.76E-11	1.03E-10
8990	437134.8	3763369	3.027E-10	1.03E-09	1.33E-09	4.70E-11	1.69E-10	2.16E-10	2.53E-11	7.82E-11	1.04E-10
8991	437125.9	3763365	3.048E-10	1.04E-09	1.34E-09	4.74E-11	1.70E-10	2.17E-10	2.55E-11	7.88E-11	1.04E-10
8992	437117.1	3763361	3.067E-10	1.05E-09	1.35E-09	4.76E-11	1.71E-10	2.18E-10	2.57E-11	7.92E-11	1.05E-10
8993	437108.2	3763358	3.084E-10	1.05E-09	1.36E-09	4.79E-11	1.72E-10	2.20E-10	2.58E-11	7.97E-11	1.05E-10
8994	437099.4	3763354	3.101E-10	1.06E-09	1.37E-09	4.82E-11	1.73E-10	2.21E-10	2.60E-11	8.01E-11	1.06E-10
8995	437090.5	3763351	3.124E-10	1.07E-09	1.38E-09	4.85E-11	1.74E-10	2.23E-10	2.61E-11	8.07E-11	1.07E-10
8996	437081.7	3763347	3.15E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.64E-11	8.14E-11	1.08E-10
8997	437072.8	3763343	3.175E-10	1.08E-09	1.40E-09	4.93E-11	1.77E-10	2.26E-10	2.66E-11	8.20E-11	1.09E-10
8998	437064	3763340	3.198E-10	1.09E-09	1.41E-09	4.97E-11	1.78E-10	2.28E-10	2.68E-11	8.26E-11	1.09E-10
8999	437055.1	3763336	3.22E-10	1.10E-09	1.42E-09	5.00E-11	1.79E-10	2.29E-10	2.69E-11	8.32E-11	1.10E-10
9000	437046.2	3763332	3.239E-10	1.10E-09	1.43E-09	5.03E-11	1.80E-10	2.31E-10	2.71E-11	8.37E-11	1.11E-10
9001	437037.4	3763329	3.255E-10	1.11E-09	1.44E-09	5.06E-11	1.81E-10	2.32E-10	2.72E-11	8.41E-11	1.11E-10
9002	437028.5	3763325	3.269E-10	1.11E-09	1.44E-09	5.08E-11	1.82E-10	2.33E-10	2.74E-11	8.45E-11	1.12E-10
9003	437019.7	3763321	3.283E-10	1.12E-09	1.45E-09	5.10E-11	1.83E-10	2.34E-10	2.75E-11	8.48E-11	1.12E-10
9004	437010.8	3763318	3.297E-10	1.12E-09	1.45E-09	5.12E-11	1.84E-10	2.35E-10	2.76E-11	8.52E-11	1.13E-10
9005	437002	3763314	3.31E-10	1.13E-09	1.46E-09	5.14E-11	1.84E-10	2.36E-10	2.77E-11	8.55E-11	1.13E-10
9006	436993.1	3763310	3.32E-10	1.13E-09	1.46E-09	5.16E-11	1.85E-10	2.36E-10	2.78E-11	8.58E-11	1.14E-10
9007	436984.3	3763307	3.328E-10	1.13E-09	1.47E-09	5.17E-11	1.85E-10	2.37E-10	2.79E-11	8.60E-11	1.14E-10
9008	436975.4	3763303	3.334E-10	1.14E-09	1.47E-09	5.18E-11	1.86E-10	2.38E-10	2.79E-11	8.61E-11	1.14E-10
9009	436966.5	3763299	3.34E-10	1.14E-09	1.47E-09	5.19E-11	1.86E-10	2.38E-10	2.80E-11	8.63E-11	1.14E-10
9010	436957.7	3763296	3.347E-10	1.14E-09	1.48E-09	5.20E-11	1.86E-10	2.38E-10	2.80E-11	8.65E-11	1.15E-10
9011	436948.8	3763292	3.354E-10	1.14E-09	1.48E-09	5.21E-11	1.87E-10	2.39E-10	2.81E-11	8.66E-11	1.15E-10
9012	436936.3	3763280	3.431E-10	1.17E-09	1.51E-09	5.33E-11	1.91E-10	2.44E-10	2.87E-11	8.86E-11	1.17E-10
9013	436932.6	3763271	3.508E-10	1.20E-09	1.55E-09	5.45E-11	1.95E-10	2.50E-10	2.94E-11	9.06E-11	1.20E-10
9014	436929	3763262	3.586E-10	1.22E-09	1.58E-09	5.57E-11	2.00E-10	2.55E-10	3.00E-11	9.27E-11	1.23E-10
9015	436925.3	3763253	3.665E-10	1.25E-09	1.62E-09	5.69E-11	2.04E-10	2.61E-10	3.07E-11	9.47E-11	1.25E-10
9016	436921.6	3763244	3.745E-10	1.28E-09	1.65E-09	5.82E-11	2.09E-10	2.67E-10	3.13E-11	9.68E-11	1.28E-10
9017	436918	3763235	3.826E-10	1.30E-09	1.69E-09	5.95E-11	2.13E-10	2.73E-10	3.20E-11	9.89E-11	1.31E-10
9018	436914.3	3763227	3.906E-10	1.33E-09	1.72E-09	6.07E-11	2.18E-10	2.78E-10	3.27E-11	1.01E-10	1.34E-10
9019	436910.6	3763218	3.983E-10	1.36E-09	1.76E-09	6.19E-11	2.22E-10	2.84E-10	3.33E-11	1.03E-10	1.36E-10
9020	436906.9	3763209	4.063E-10	1.39E-09	1.79E-09	6.31E-11	2.26E-10	2.89E-10	3.40E-11	1.05E-10	1.39E-10
9021	436903.3	3763200	4.144E-10	1.41E-09	1.83E-09	6.44E-11	2.31E-10	2.95E-10	3.47E-11	1.07E-10	1.42E-10
9022	436899.6	3763191	4.221E-10	1.44E-09	1.86E-09	6.56E-11	2.35E-10	3.01E-10	3.53E-11	1.09E-10	1.44E-10
9023	436895.9	3763182	4.297E-10	1.47E-09	1.90E-09	6.68E-11	2.39E-10	3.06E-10	3.60E-11	1.11E-10	1.47E-10
9024	436892.3	3763173	4.374E-10	1.49E-09	1.93E-09	6.80E-11	2.44E-10	3.12E-10	3.66E-11	1.13E-10	1.50E-10

9025	436888.6	3763165	4.453E-10	1.52E-09	1.96E-09	6.92E-11	2.48E-10	3.17E-10	3.73E-11	1.15E-10	1.52E-10
9026	436884.9	3763156	4.53E-10	1.54E-09	2.00E-09	7.04E-11	2.52E-10	3.23E-10	3.79E-11	1.17E-10	1.55E-10
9027	436881.3	3763147	4.603E-10	1.57E-09	2.03E-09	7.15E-11	2.56E-10	3.28E-10	3.85E-11	1.19E-10	1.57E-10
9028	436877.6	3763138	4.674E-10	1.59E-09	2.06E-09	7.26E-11	2.60E-10	3.33E-10	3.91E-11	1.21E-10	1.60E-10
9029	436873.9	3763129	4.744E-10	1.62E-09	2.09E-09	7.37E-11	2.64E-10	3.38E-10	3.97E-11	1.23E-10	1.62E-10
9030	436870.2	3763120	4.812E-10	1.64E-09	2.12E-09	7.48E-11	2.68E-10	3.43E-10	4.03E-11	1.24E-10	1.65E-10
9031	436866.6	3763111	4.878E-10	1.66E-09	2.15E-09	7.58E-11	2.72E-10	3.47E-10	4.08E-11	1.26E-10	1.67E-10
9032	436862.9	3763103	4.941E-10	1.68E-09	2.18E-09	7.68E-11	2.75E-10	3.52E-10	4.14E-11	1.28E-10	1.69E-10
9033	436859.2	3763094	5.001E-10	1.71E-09	2.21E-09	7.77E-11	2.79E-10	3.56E-10	4.19E-11	1.29E-10	1.71E-10
9034	436855.6	3763085	5.058E-10	1.72E-09	2.23E-09	7.86E-11	2.82E-10	3.60E-10	4.23E-11	1.31E-10	1.73E-10
9035	436851.9	3763076	5.114E-10	1.74E-09	2.26E-09	7.95E-11	2.85E-10	3.64E-10	4.28E-11	1.32E-10	1.75E-10
9036	436848.2	3763067	5.167E-10	1.76E-09	2.28E-09	8.03E-11	2.88E-10	3.68E-10	4.32E-11	1.34E-10	1.77E-10
9037	436844.6	3763058	5.216E-10	1.78E-09	2.30E-09	8.11E-11	2.91E-10	3.72E-10	4.37E-11	1.35E-10	1.78E-10
9038	436840.9	3763050	5.262E-10	1.79E-09	2.32E-09	8.18E-11	2.93E-10	3.75E-10	4.40E-11	1.36E-10	1.80E-10
9039	436837.2	3763041	5.305E-10	1.81E-09	2.34E-09	8.24E-11	2.96E-10	3.78E-10	4.44E-11	1.37E-10	1.81E-10
9040	436833.5	3763032	5.344E-10	1.82E-09	2.36E-09	8.30E-11	2.98E-10	3.81E-10	4.47E-11	1.38E-10	1.83E-10
9041	436829.9	3763023	5.379E-10	1.83E-09	2.37E-09	8.36E-11	3.00E-10	3.83E-10	4.50E-11	1.39E-10	1.84E-10
9042	436826.2	3763014	5.41E-10	1.84E-09	2.39E-09	8.41E-11	3.01E-10	3.85E-10	4.53E-11	1.40E-10	1.85E-10
9043	436822.5	3763005	5.438E-10	1.85E-09	2.40E-09	8.45E-11	3.03E-10	3.87E-10	4.55E-11	1.41E-10	1.86E-10
9044	436818.9	3762996	5.461E-10	1.86E-09	2.41E-09	8.49E-11	3.04E-10	3.89E-10	4.57E-11	1.41E-10	1.87E-10
9045	436815.2	3762988	5.483E-10	1.87E-09	2.42E-09	8.52E-11	3.05E-10	3.91E-10	4.59E-11	1.42E-10	1.88E-10
9046	436811.5	3762979	5.5E-10	1.88E-09	2.43E-09	8.55E-11	3.06E-10	3.92E-10	4.60E-11	1.42E-10	1.88E-10
9047	436807.8	3762970	5.513E-10	1.88E-09	2.43E-09	8.57E-11	3.07E-10	3.93E-10	4.61E-11	1.42E-10	1.89E-10
9048	436804.2	3762961	5.523E-10	1.88E-09	2.44E-09	8.58E-11	3.08E-10	3.94E-10	4.62E-11	1.43E-10	1.89E-10
9049	436800.5	3762952	5.53E-10	1.89E-09	2.44E-09	8.59E-11	3.08E-10	3.94E-10	4.63E-11	1.43E-10	1.89E-10
9050	436796.8	3762943	5.532E-10	1.89E-09	2.44E-09	8.60E-11	3.08E-10	3.94E-10	4.63E-11	1.43E-10	1.89E-10
9051	436793.2	3762935	5.532E-10	1.89E-09	2.44E-09	8.60E-11	3.08E-10	3.94E-10	4.63E-11	1.43E-10	1.89E-10
9052	436789.5	3762926	5.528E-10	1.89E-09	2.44E-09	8.59E-11	3.08E-10	3.94E-10	4.63E-11	1.43E-10	1.89E-10
9053	436785.8	3762917	5.522E-10	1.88E-09	2.44E-09	8.58E-11	3.08E-10	3.93E-10	4.62E-11	1.43E-10	1.89E-10
9054	436782.2	3762908	5.513E-10	1.88E-09	2.43E-09	8.57E-11	3.07E-10	3.93E-10	4.61E-11	1.42E-10	1.89E-10
9055	437365	3763464	2.634E-10	8.98E-10	1.16E-09	4.09E-11	1.47E-10	1.88E-10	2.21E-11	6.81E-11	9.01E-11
9056	437374.7	3763464	2.656E-10	9.06E-10	1.17E-09	4.13E-11	1.48E-10	1.89E-10	2.22E-11	6.86E-11	9.09E-11
9057	437384.3	3763464	2.677E-10	9.13E-10	1.18E-09	4.16E-11	1.49E-10	1.91E-10	2.24E-11	6.92E-11	9.16E-11
9058	437394	3763464	2.698E-10	9.20E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.97E-11	9.23E-11
9059	437403.7	3763464	2.716E-10	9.26E-10	1.20E-09	4.22E-11	1.51E-10	1.93E-10	2.27E-11	7.02E-11	9.29E-11
9060	437413.3	3763464	2.73E-10	9.31E-10	1.20E-09	4.24E-11	1.52E-10	1.94E-10	2.29E-11	7.05E-11	9.34E-11
9061	437423	3763464	2.745E-10	9.36E-10	1.21E-09	4.27E-11	1.53E-10	1.96E-10	2.30E-11	7.09E-11	9.39E-11
9062	437432.6	3763464	2.758E-10	9.41E-10	1.22E-09	4.29E-11	1.54E-10	1.97E-10	2.31E-11	7.13E-11	9.44E-11
9063	437442.3	3763464	2.767E-10	9.43E-10	1.22E-09	4.30E-11	1.54E-10	1.97E-10	2.32E-11	7.15E-11	9.47E-11
9064	437451.9	3763464	2.776E-10	9.47E-10	1.22E-09	4.31E-11	1.55E-10	1.98E-10	2.32E-11	7.17E-11	9.50E-11
9065	437461.6	3763464	2.787E-10	9.51E-10	1.23E-09	4.33E-11	1.55E-10	1.99E-10	2.33E-11	7.20E-11	9.54E-11
9066	437471.2	3763464	2.81E-10	9.58E-10	1.24E-09	4.37E-11	1.57E-10	2.00E-10	2.35E-11	7.26E-11	9.61E-11
9067	437480.9	3763464	2.833E-10	9.66E-10	1.25E-09	4.40E-11	1.58E-10	2.02E-10	2.37E-11	7.32E-11	9.69E-11
9068	437490.5	3763463	2.856E-10	9.74E-10	1.26E-09	4.44E-11	1.59E-10	2.03E-10	2.39E-11	7.38E-11	9.77E-11
9069	437500.2	3763463	2.88E-10	9.82E-10	1.27E-09	4.47E-11	1.60E-10	2.05E-10	2.41E-11	7.44E-11	9.85E-11
9070	437509.8	3763463	2.902E-10	9.90E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.50E-11	9.93E-11
9071	437519.5	3763463	2.926E-10	9.98E-10	1.29E-09	4.55E-11	1.63E-10	2.08E-10	2.45E-11	7.56E-11	1.00E-10
9072	437529.1	3763463	2.949E-10	1.01E-09	1.30E-09	4.58E-11	1.64E-10	2.10E-10	2.47E-11	7.62E-11	1.01E-10
9073	437538.8	3763463	2.972E-10	1.01E-09	1.31E-09	4.62E-11	1.66E-10	2.12E-10	2.49E-11	7.68E-11	1.02E-10
9074	437548.4	3763463	2.996E-10	1.02E-09	1.32E-09	4.66E-11	1.67E-10	2.13E-10	2.51E-11	7.74E-11	1.03E-10
9075	437356.2	3763500	2.34E-10	7.98E-10	1.03E-09	3.64E-11	1.30E-10	1.67E-10	1.96E-11	6.05E-11	8.00E-11
9076	437347.4	3763496	2.348E-10	8.01E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.97E-11	6.07E-11	8.03E-11
9077	437338.5	3763493	2.357E-10	8.04E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.09E-11	8.06E-11
9078	437329.6	3763489	2.367E-10	8.07E-10	1.04E-09	3.68E-11	1.32E-10	1.69E-10	1.98E-11	6.11E-11	8.10E-11
9079	437320.7	3763485	2.379E-10	8.11E-10	1.05E-09	3.70E-11	1.33E-10	1.70E-10	1.99E-11	6.15E-11	8.14E-11
9080	437311.8	3763482	2.394E-10	8.16E-10	1.06E-09	3.72E-11	1.33E-10	1.71E-10	2.00E-11	6.19E-11	8.19E-11
9081	437302.9	3763478	2.411E-10	8.22E-10	1.06E-09	3.75E-11	1.34E-10	1.72E-10	2.02E-11	6.23E-11	8.25E-11
9082	437294	3763474	2.43E-10	8.28E-10	1.07E-09	3.78E-11	1.35E-10	1.73E-10	2.03E-11	6.28E-11	8.31E-11
9083	437285.1	3763471	2.449E-10	8.35E-10	1.08E-09	3.80E-11	1.36E-10	1.74E-10	2.05E-11	6.33E-11	8.38E-11
9084	437276.2	3763467	2.462E-10	8.40E-10	1.09E-09	3.83E-11	1.37E-10	1.75E-10	2.06E-11	6.36E-11	8.42E-11
9085	437267.3	3763463	2.47E-10	8.42E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.38E-11	8.45E-11

9086	437258.4	3763460	2.479E-10	8.45E-10	1.09E-09	3.85E-11	1.38E-10	1.77E-10	2.07E-11	6.40E-11	8.48E-11
9087	437249.6	3763456	2.489E-10	8.49E-10	1.10E-09	3.87E-11	1.39E-10	1.77E-10	2.08E-11	6.43E-11	8.52E-11
9088	437240.7	3763452	2.492E-10	8.50E-10	1.10E-09	3.87E-11	1.39E-10	1.78E-10	2.09E-11	6.44E-11	8.52E-11
9089	437231.8	3763449	2.496E-10	8.51E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.45E-11	8.54E-11
9090	437222.9	3763445	2.499E-10	8.52E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.46E-11	8.55E-11
9091	437214	3763441	2.487E-10	8.48E-10	1.10E-09	3.86E-11	1.39E-10	1.77E-10	2.08E-11	6.43E-11	8.51E-11
9092	437205.1	3763438	2.498E-10	8.52E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.46E-11	8.55E-11
9093	437196.2	3763434	2.509E-10	8.56E-10	1.11E-09	3.90E-11	1.40E-10	1.79E-10	2.10E-11	6.48E-11	8.58E-11
9094	437187.3	3763430	2.524E-10	8.61E-10	1.11E-09	3.92E-11	1.41E-10	1.80E-10	2.11E-11	6.52E-11	8.63E-11
9095	437142.9	3763412	2.644E-10	9.01E-10	1.17E-09	4.11E-11	1.47E-10	1.88E-10	2.21E-11	6.83E-11	9.04E-11
9096	437134	3763408	2.662E-10	9.08E-10	1.17E-09	4.14E-11	1.48E-10	1.90E-10	2.23E-11	6.88E-11	9.11E-11
9097	437125.1	3763405	2.681E-10	9.14E-10	1.18E-09	4.17E-11	1.49E-10	1.91E-10	2.24E-11	6.93E-11	9.17E-11
9098	437116.2	3763401	2.7E-10	9.21E-10	1.19E-09	4.20E-11	1.50E-10	1.92E-10	2.26E-11	6.98E-11	9.24E-11
9099	437107.3	3763397	2.719E-10	9.27E-10	1.20E-09	4.23E-11	1.51E-10	1.94E-10	2.28E-11	7.03E-11	9.30E-11
9100	437098.4	3763394	2.739E-10	9.34E-10	1.21E-09	4.26E-11	1.53E-10	1.95E-10	2.29E-11	7.08E-11	9.37E-11
9101	437089.5	3763390	2.757E-10	9.40E-10	1.22E-09	4.28E-11	1.54E-10	1.96E-10	2.31E-11	7.12E-11	9.43E-11
9102	437080.6	3763386	2.775E-10	9.46E-10	1.22E-09	4.31E-11	1.55E-10	1.98E-10	2.32E-11	7.17E-11	9.49E-11
9103	437071.8	3763383	2.794E-10	9.53E-10	1.23E-09	4.34E-11	1.56E-10	1.99E-10	2.34E-11	7.22E-11	9.56E-11
9104	437062.9	3763379	2.815E-10	9.60E-10	1.24E-09	4.37E-11	1.57E-10	2.01E-10	2.36E-11	7.27E-11	9.63E-11
9105	437054	3763375	2.836E-10	9.67E-10	1.25E-09	4.41E-11	1.58E-10	2.02E-10	2.37E-11	7.33E-11	9.70E-11
9106	437045.1	3763372	2.858E-10	9.75E-10	1.26E-09	4.44E-11	1.59E-10	2.04E-10	2.39E-11	7.39E-11	9.78E-11
9107	437036.2	3763368	2.878E-10	9.81E-10	1.27E-09	4.47E-11	1.60E-10	2.05E-10	2.41E-11	7.44E-11	9.85E-11
9108	437027.3	3763364	2.896E-10	9.87E-10	1.28E-09	4.50E-11	1.61E-10	2.06E-10	2.42E-11	7.48E-11	9.91E-11
9109	437018.4	3763361	2.912E-10	9.93E-10	1.28E-09	4.52E-11	1.62E-10	2.07E-10	2.44E-11	7.52E-11	9.96E-11
9110	437009.5	3763357	2.927E-10	9.98E-10	1.29E-09	4.55E-11	1.63E-10	2.09E-10	2.45E-11	7.56E-11	1.00E-10
9111	437000.6	3763353	2.944E-10	1.00E-09	1.30E-09	4.57E-11	1.64E-10	2.10E-10	2.46E-11	7.61E-11	1.01E-10
9112	436991.7	3763350	2.96E-10	1.01E-09	1.31E-09	4.60E-11	1.65E-10	2.11E-10	2.48E-11	7.65E-11	1.01E-10
9113	436982.8	3763346	2.975E-10	1.01E-09	1.31E-09	4.62E-11	1.66E-10	2.12E-10	2.49E-11	7.69E-11	1.02E-10
9114	436974	3763342	2.985E-10	1.02E-09	1.32E-09	4.64E-11	1.66E-10	2.13E-10	2.50E-11	7.71E-11	1.02E-10
9115	436965.1	3763339	2.993E-10	1.02E-09	1.32E-09	4.65E-11	1.67E-10	2.13E-10	2.51E-11	7.73E-11	1.02E-10
9116	436956.2	3763335	2.997E-10	1.02E-09	1.32E-09	4.66E-11	1.67E-10	2.14E-10	2.51E-11	7.74E-11	1.03E-10
9117	436947.3	3763331	2.999E-10	1.02E-09	1.32E-09	4.66E-11	1.67E-10	2.14E-10	2.51E-11	7.75E-11	1.03E-10
9118	436938.4	3763328	3.004E-10	1.02E-09	1.32E-09	4.67E-11	1.67E-10	2.14E-10	2.51E-11	7.76E-11	1.03E-10
9119	436929.5	3763324	3.009E-10	1.03E-09	1.33E-09	4.68E-11	1.68E-10	2.14E-10	2.52E-11	7.78E-11	1.03E-10
9120	436920.6	3763320	3.015E-10	1.03E-09	1.33E-09	4.68E-11	1.68E-10	2.15E-10	2.52E-11	7.79E-11	1.03E-10
9121	436908	3763308	3.071E-10	1.05E-09	1.35E-09	4.77E-11	1.71E-10	2.19E-10	2.57E-11	7.93E-11	1.05E-10
9122	436904.4	3763299	3.13E-10	1.07E-09	1.38E-09	4.86E-11	1.74E-10	2.23E-10	2.62E-11	8.09E-11	1.07E-10
9123	436900.7	3763290	3.191E-10	1.09E-09	1.41E-09	4.96E-11	1.78E-10	2.27E-10	2.67E-11	8.25E-11	1.09E-10
9124	436897	3763281	3.257E-10	1.11E-09	1.44E-09	5.06E-11	1.81E-10	2.32E-10	2.73E-11	8.41E-11	1.11E-10
9125	436893.3	3763272	3.321E-10	1.13E-09	1.46E-09	5.16E-11	1.85E-10	2.37E-10	2.78E-11	8.58E-11	1.14E-10
9126	436889.6	3763263	3.385E-10	1.15E-09	1.49E-09	5.26E-11	1.89E-10	2.41E-10	2.83E-11	8.75E-11	1.16E-10
9127	436885.9	3763255	3.453E-10	1.18E-09	1.52E-09	5.37E-11	1.92E-10	2.46E-10	2.89E-11	8.92E-11	1.18E-10
9128	436882.2	3763246	3.522E-10	1.20E-09	1.55E-09	5.47E-11	1.96E-10	2.51E-10	2.95E-11	9.10E-11	1.20E-10
9129	436878.6	3763237	3.591E-10	1.22E-09	1.58E-09	5.58E-11	2.00E-10	2.56E-10	3.01E-11	9.28E-11	1.23E-10
9130	436874.9	3763228	3.658E-10	1.25E-09	1.61E-09	5.68E-11	2.04E-10	2.61E-10	3.06E-11	9.45E-11	1.25E-10
9131	436871.2	3763219	3.727E-10	1.27E-09	1.64E-09	5.79E-11	2.08E-10	2.66E-10	3.12E-11	9.63E-11	1.27E-10
9132	436867.5	3763210	3.796E-10	1.29E-09	1.67E-09	5.90E-11	2.11E-10	2.70E-10	3.18E-11	9.81E-11	1.30E-10
9133	436863.8	3763201	3.864E-10	1.32E-09	1.70E-09	6.00E-11	2.15E-10	2.75E-10	3.23E-11	9.98E-11	1.32E-10
9134	436860.1	3763192	3.932E-10	1.34E-09	1.73E-09	6.11E-11	2.19E-10	2.80E-10	3.29E-11	1.02E-10	1.35E-10
9135	436856.5	3763184	4.001E-10	1.36E-09	1.76E-09	6.22E-11	2.23E-10	2.85E-10	3.35E-11	1.03E-10	1.37E-10
9136	436852.8	3763175	4.07E-10	1.39E-09	1.79E-09	6.32E-11	2.27E-10	2.90E-10	3.41E-11	1.05E-10	1.39E-10
9137	436849.1	3763166	4.137E-10	1.41E-09	1.82E-09	6.43E-11	2.30E-10	2.95E-10	3.46E-11	1.07E-10	1.42E-10
9138	436845.4	3763157	4.2E-10	1.43E-09	1.85E-09	6.53E-11	2.34E-10	2.99E-10	3.52E-11	1.09E-10	1.44E-10
9139	436841.7	3763148	4.261E-10	1.45E-09	1.88E-09	6.62E-11	2.37E-10	3.04E-10	3.57E-11	1.10E-10	1.46E-10
9140	436838	3763139	4.319E-10	1.47E-09	1.90E-09	6.71E-11	2.41E-10	3.08E-10	3.61E-11	1.12E-10	1.48E-10
9141	436834.3	3763130	4.375E-10	1.49E-09	1.93E-09	6.80E-11	2.44E-10	3.12E-10	3.66E-11	1.13E-10	1.50E-10
9142	436830.7	3763121	4.428E-10	1.51E-09	1.95E-09	6.88E-11	2.47E-10	3.16E-10	3.71E-11	1.14E-10	1.51E-10
9143	436827	3763112	4.48E-10	1.53E-09	1.98E-09	6.96E-11	2.50E-10	3.19E-10	3.75E-11	1.16E-10	1.53E-10
9144	436823.3	3763104	4.53E-10	1.54E-09	2.00E-09	7.04E-11	2.52E-10	3.23E-10	3.79E-11	1.17E-10	1.55E-10
9145	436819.6	3763095	4.577E-10	1.56E-09	2.02E-09	7.11E-11	2.55E-10	3.26E-10	3.83E-11	1.18E-10	1.57E-10
9146	436815.9	3763086	4.62E-10	1.58E-09	2.04E-09	7.18E-11	2.57E-10	3.29E-10	3.87E-11	1.19E-10	1.58E-10

9147	436812.2	3763077	4.661E-10	1.59E-09	2.06E-09	7.24E-11	2.60E-10	3.32E-10	3.90E-11	1.20E-10	1.59E-10
9148	436808.6	3763068	4.704E-10	1.60E-09	2.07E-09	7.31E-11	2.62E-10	3.35E-10	3.94E-11	1.22E-10	1.61E-10
9149	436804.9	3763059	4.741E-10	1.62E-09	2.09E-09	7.37E-11	2.64E-10	3.38E-10	3.97E-11	1.22E-10	1.62E-10
9150	436801.2	3763050	4.776E-10	1.63E-09	2.11E-09	7.42E-11	2.66E-10	3.40E-10	4.00E-11	1.23E-10	1.63E-10
9151	436797.5	3763041	4.806E-10	1.64E-09	2.12E-09	7.47E-11	2.68E-10	3.42E-10	4.02E-11	1.24E-10	1.64E-10
9152	436793.8	3763033	4.834E-10	1.65E-09	2.13E-09	7.51E-11	2.69E-10	3.44E-10	4.05E-11	1.25E-10	1.65E-10
9153	436790.1	3763024	4.859E-10	1.66E-09	2.14E-09	7.55E-11	2.71E-10	3.46E-10	4.07E-11	1.26E-10	1.66E-10
9154	436786.4	3763015	4.881E-10	1.66E-09	2.15E-09	7.58E-11	2.72E-10	3.48E-10	4.09E-11	1.26E-10	1.67E-10
9155	436782.8	3763006	4.9E-10	1.67E-09	2.16E-09	7.61E-11	2.73E-10	3.49E-10	4.10E-11	1.27E-10	1.68E-10
9156	436779.1	3762997	4.917E-10	1.68E-09	2.17E-09	7.64E-11	2.74E-10	3.50E-10	4.12E-11	1.27E-10	1.68E-10
9157	436775.4	3762988	4.93E-10	1.68E-09	2.17E-09	7.66E-11	2.75E-10	3.51E-10	4.13E-11	1.27E-10	1.69E-10
9158	437365.1	3763504	2.331E-10	7.95E-10	1.03E-09	3.62E-11	1.30E-10	1.66E-10	1.95E-11	6.02E-11	7.97E-11
9159	437374.8	3763504	2.348E-10	8.01E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.97E-11	6.07E-11	8.03E-11
9160	437384.4	3763504	2.367E-10	8.07E-10	1.04E-09	3.68E-11	1.32E-10	1.69E-10	1.98E-11	6.11E-11	8.10E-11
9161	437394.1	3763504	2.385E-10	8.13E-10	1.05E-09	3.71E-11	1.33E-10	1.70E-10	2.00E-11	6.16E-11	8.16E-11
9162	437403.7	3763504	2.402E-10	8.19E-10	1.06E-09	3.73E-11	1.34E-10	1.71E-10	2.01E-11	6.21E-11	8.22E-11
9163	437413.4	3763504	2.417E-10	8.24E-10	1.07E-09	3.76E-11	1.35E-10	1.72E-10	2.02E-11	6.24E-11	8.27E-11
9164	437423	3763504	2.432E-10	8.29E-10	1.07E-09	3.78E-11	1.35E-10	1.73E-10	2.04E-11	6.28E-11	8.32E-11
9165	437432.7	3763504	2.446E-10	8.34E-10	1.08E-09	3.80E-11	1.36E-10	1.74E-10	2.05E-11	6.32E-11	8.37E-11
9166	437442.3	3763504	2.46E-10	8.39E-10	1.08E-09	3.82E-11	1.37E-10	1.75E-10	2.06E-11	6.36E-11	8.42E-11
9167	437452	3763504	2.474E-10	8.44E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.39E-11	8.46E-11
9168	437461.6	3763504	2.488E-10	8.48E-10	1.10E-09	3.87E-11	1.39E-10	1.77E-10	2.08E-11	6.43E-11	8.51E-11
9169	437471.3	3763504	2.5E-10	8.53E-10	1.10E-09	3.89E-11	1.39E-10	1.78E-10	2.09E-11	6.46E-11	8.55E-11
9170	437480.9	3763504	2.514E-10	8.57E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.10E-11	6.50E-11	8.60E-11
9171	437490.6	3763503	2.527E-10	8.62E-10	1.11E-09	3.93E-11	1.41E-10	1.80E-10	2.12E-11	6.53E-11	8.65E-11
9172	437500.2	3763503	2.544E-10	8.68E-10	1.12E-09	3.95E-11	1.42E-10	1.81E-10	2.13E-11	6.57E-11	8.70E-11
9173	437509.9	3763503	2.562E-10	8.74E-10	1.13E-09	3.98E-11	1.43E-10	1.83E-10	2.14E-11	6.62E-11	8.76E-11
9174	437519.5	3763503	2.581E-10	8.80E-10	1.14E-09	4.01E-11	1.44E-10	1.84E-10	2.16E-11	6.67E-11	8.83E-11
9175	437529.2	3763503	2.6E-10	8.87E-10	1.15E-09	4.04E-11	1.45E-10	1.85E-10	2.18E-11	6.72E-11	8.90E-11
9176	437538.8	3763503	2.621E-10	8.94E-10	1.16E-09	4.07E-11	1.46E-10	1.87E-10	2.19E-11	6.77E-11	8.97E-11
9177	437548.5	3763503	2.641E-10	9.01E-10	1.16E-09	4.10E-11	1.47E-10	1.88E-10	2.21E-11	6.83E-11	9.04E-11
9178	437356.3	3763540	2.102E-10	7.17E-10	9.27E-10	3.27E-11	1.17E-10	1.50E-10	1.76E-11	5.43E-11	7.19E-11
9179	437347.4	3763536	2.107E-10	7.18E-10	9.29E-10	3.27E-11	1.17E-10	1.50E-10	1.76E-11	5.44E-11	7.21E-11
9180	437338.5	3763533	2.112E-10	7.20E-10	9.31E-10	3.28E-11	1.18E-10	1.50E-10	1.77E-11	5.46E-11	7.23E-11
9181	437329.5	3763529	2.119E-10	7.23E-10	9.35E-10	3.29E-11	1.18E-10	1.51E-10	1.77E-11	5.48E-11	7.25E-11
9182	437320.6	3763525	2.126E-10	7.25E-10	9.37E-10	3.30E-11	1.18E-10	1.51E-10	1.78E-11	5.49E-11	7.27E-11
9183	437311.7	3763522	2.133E-10	7.27E-10	9.41E-10	3.31E-11	1.19E-10	1.52E-10	1.79E-11	5.51E-11	7.30E-11
9184	437302.8	3763518	2.141E-10	7.30E-10	9.44E-10	3.33E-11	1.19E-10	1.52E-10	1.79E-11	5.53E-11	7.32E-11
9185	437293.8	3763514	2.15E-10	7.33E-10	9.48E-10	3.34E-11	1.20E-10	1.53E-10	1.80E-11	5.55E-11	7.35E-11
9186	437284.9	3763511	2.16E-10	7.36E-10	9.52E-10	3.36E-11	1.20E-10	1.54E-10	1.81E-11	5.58E-11	7.39E-11
9187	437276	3763507	2.169E-10	7.40E-10	9.56E-10	3.37E-11	1.21E-10	1.55E-10	1.82E-11	5.60E-11	7.42E-11
9188	437267.1	3763503	2.173E-10	7.41E-10	9.58E-10	3.38E-11	1.21E-10	1.55E-10	1.82E-11	5.62E-11	7.43E-11
9189	437258.2	3763500	2.177E-10	7.42E-10	9.60E-10	3.38E-11	1.21E-10	1.55E-10	1.82E-11	5.62E-11	7.45E-11
9190	437249.2	3763496	2.182E-10	7.44E-10	9.62E-10	3.39E-11	1.22E-10	1.55E-10	1.83E-11	5.64E-11	7.46E-11
9191	437240.3	3763492	2.188E-10	7.46E-10	9.65E-10	3.40E-11	1.22E-10	1.56E-10	1.83E-11	5.65E-11	7.48E-11
9192	437231.4	3763489	2.194E-10	7.48E-10	9.67E-10	3.41E-11	1.22E-10	1.56E-10	1.84E-11	5.67E-11	7.50E-11
9193	437222.5	3763485	2.197E-10	7.49E-10	9.69E-10	3.41E-11	1.22E-10	1.57E-10	1.84E-11	5.68E-11	7.52E-11
9194	437213.6	3763481	2.209E-10	7.53E-10	9.74E-10	3.43E-11	1.23E-10	1.57E-10	1.85E-11	5.71E-11	7.56E-11
9195	437204.6	3763478	2.223E-10	7.58E-10	9.81E-10	3.45E-11	1.24E-10	1.58E-10	1.86E-11	5.75E-11	7.61E-11
9196	437195.7	3763474	2.24E-10	7.64E-10	9.88E-10	3.48E-11	1.25E-10	1.60E-10	1.88E-11	5.79E-11	7.66E-11
9197	437186.8	3763470	2.257E-10	7.70E-10	9.96E-10	3.51E-11	1.26E-10	1.61E-10	1.89E-11	5.83E-11	7.72E-11
9198	437142.2	3763452	2.363E-10	8.06E-10	1.04E-09	3.67E-11	1.32E-10	1.68E-10	1.98E-11	6.11E-11	8.08E-11
9199	437133.3	3763448	2.378E-10	8.11E-10	1.05E-09	3.69E-11	1.32E-10	1.69E-10	1.99E-11	6.14E-11	8.13E-11
9200	437124.3	3763444	2.391E-10	8.15E-10	1.05E-09	3.72E-11	1.33E-10	1.70E-10	2.00E-11	6.18E-11	8.18E-11
9201	437115.4	3763441	2.379E-10	8.11E-10	1.05E-09	3.70E-11	1.33E-10	1.69E-10	1.99E-11	6.15E-11	8.14E-11
9202	437106.5	3763437	2.391E-10	8.15E-10	1.05E-09	3.72E-11	1.33E-10	1.70E-10	2.00E-11	6.18E-11	8.18E-11
9203	437097.6	3763433	2.406E-10	8.21E-10	1.06E-09	3.74E-11	1.34E-10	1.71E-10	2.01E-11	6.22E-11	8.23E-11
9204	437088.7	3763430	2.425E-10	8.27E-10	1.07E-09	3.77E-11	1.35E-10	1.73E-10	2.03E-11	6.27E-11	8.29E-11
9205	437079.7	3763426	2.444E-10	8.33E-10	1.08E-09	3.80E-11	1.36E-10	1.74E-10	2.05E-11	6.31E-11	8.36E-11
9206	437070.8	3763422	2.462E-10	8.39E-10	1.09E-09	3.82E-11	1.37E-10	1.75E-10	2.06E-11	6.36E-11	8.42E-11
9207	437061.9	3763419	2.497E-10	8.51E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.45E-11	8.54E-11

9208	437053	3763415	2.516E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.61E-11
9209	437044.1	3763411	2.536E-10	8.65E-10	1.12E-09	3.94E-11	1.41E-10	1.81E-10	2.12E-11	6.55E-11	8.68E-11
9210	437035.1	3763408	2.555E-10	8.71E-10	1.13E-09	3.97E-11	1.42E-10	1.82E-10	2.14E-11	6.60E-11	8.74E-11
9211	437026.2	3763404	2.573E-10	8.78E-10	1.13E-09	4.00E-11	1.43E-10	1.83E-10	2.15E-11	6.65E-11	8.80E-11
9212	437017.3	3763400	2.591E-10	8.84E-10	1.14E-09	4.03E-11	1.44E-10	1.85E-10	2.17E-11	6.70E-11	8.86E-11
9213	437008.4	3763397	2.61E-10	8.90E-10	1.15E-09	4.05E-11	1.45E-10	1.86E-10	2.18E-11	6.74E-11	8.93E-11
9214	436999.4	3763393	2.627E-10	8.96E-10	1.16E-09	4.08E-11	1.46E-10	1.87E-10	2.20E-11	6.79E-11	8.99E-11
9215	436990.5	3763389	2.644E-10	9.02E-10	1.17E-09	4.11E-11	1.47E-10	1.88E-10	2.21E-11	6.83E-11	9.05E-11
9216	436981.6	3763386	2.662E-10	9.08E-10	1.17E-09	4.14E-11	1.48E-10	1.90E-10	2.23E-11	6.88E-11	9.11E-11
9217	436972.7	3763382	2.679E-10	9.14E-10	1.18E-09	4.16E-11	1.49E-10	1.91E-10	2.24E-11	6.92E-11	9.16E-11
9218	436963.8	3763378	2.69E-10	9.17E-10	1.19E-09	4.18E-11	1.50E-10	1.92E-10	2.25E-11	6.95E-11	9.20E-11
9219	436954.8	3763375	2.7E-10	9.21E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.98E-11	9.24E-11
9220	436945.9	3763371	2.708E-10	9.23E-10	1.19E-09	4.21E-11	1.51E-10	1.93E-10	2.27E-11	7.00E-11	9.26E-11
9221	436937	3763367	2.716E-10	9.26E-10	1.20E-09	4.22E-11	1.51E-10	1.93E-10	2.27E-11	7.02E-11	9.29E-11
9222	436928.1	3763363	2.724E-10	9.29E-10	1.20E-09	4.23E-11	1.52E-10	1.94E-10	2.28E-11	7.04E-11	9.32E-11
9223	436919.2	3763360	2.73E-10	9.31E-10	1.20E-09	4.24E-11	1.52E-10	1.94E-10	2.29E-11	7.05E-11	9.34E-11
9224	436910.2	3763356	2.736E-10	9.33E-10	1.21E-09	4.25E-11	1.52E-10	1.95E-10	2.29E-11	7.07E-11	9.36E-11
9225	436901.3	3763352	2.734E-10	9.32E-10	1.21E-09	4.25E-11	1.52E-10	1.95E-10	2.29E-11	7.06E-11	9.35E-11
9226	436892.4	3763349	2.73E-10	9.31E-10	1.20E-09	4.24E-11	1.52E-10	1.94E-10	2.29E-11	7.05E-11	9.34E-11
9227	436879.8	3763336	2.777E-10	9.47E-10	1.22E-09	4.31E-11	1.55E-10	1.98E-10	2.32E-11	7.17E-11	9.50E-11
9228	436876.1	3763327	2.828E-10	9.64E-10	1.25E-09	4.39E-11	1.58E-10	2.01E-10	2.37E-11	7.31E-11	9.67E-11
9229	436872.4	3763318	2.88E-10	9.82E-10	1.27E-09	4.48E-11	1.60E-10	2.05E-10	2.41E-11	7.44E-11	9.85E-11
9230	436868.7	3763309	2.932E-10	1.00E-09	1.29E-09	4.56E-11	1.63E-10	2.09E-10	2.45E-11	7.58E-11	1.00E-10
9231	436865	3763301	2.984E-10	1.02E-09	1.32E-09	4.64E-11	1.66E-10	2.13E-10	2.50E-11	7.71E-11	1.02E-10
9232	436861.3	3763292	3.035E-10	1.03E-09	1.34E-09	4.72E-11	1.69E-10	2.16E-10	2.54E-11	7.84E-11	1.04E-10
9233	436857.6	3763283	3.094E-10	1.05E-09	1.36E-09	4.81E-11	1.72E-10	2.20E-10	2.59E-11	7.99E-11	1.06E-10
9234	436853.9	3763274	3.156E-10	1.08E-09	1.39E-09	4.90E-11	1.76E-10	2.25E-10	2.64E-11	8.15E-11	1.08E-10
9235	436850.2	3763265	3.218E-10	1.10E-09	1.42E-09	5.00E-11	1.79E-10	2.29E-10	2.69E-11	8.32E-11	1.10E-10
9236	436846.5	3763256	3.278E-10	1.12E-09	1.45E-09	5.09E-11	1.83E-10	2.34E-10	2.74E-11	8.47E-11	1.12E-10
9237	436842.8	3763247	3.334E-10	1.14E-09	1.47E-09	5.18E-11	1.86E-10	2.38E-10	2.79E-11	8.61E-11	1.14E-10
9238	436839.1	3763238	3.388E-10	1.16E-09	1.49E-09	5.26E-11	1.89E-10	2.41E-10	2.84E-11	8.76E-11	1.16E-10
9239	436835.4	3763229	3.441E-10	1.17E-09	1.52E-09	5.35E-11	1.92E-10	2.45E-10	2.88E-11	8.89E-11	1.18E-10
9240	436831.7	3763220	3.502E-10	1.19E-09	1.54E-09	5.44E-11	1.95E-10	2.49E-10	2.93E-11	9.05E-11	1.20E-10
9241	436828	3763211	3.561E-10	1.21E-09	1.57E-09	5.53E-11	1.98E-10	2.54E-10	2.98E-11	9.20E-11	1.22E-10
9242	436824.3	3763202	3.621E-10	1.23E-09	1.60E-09	5.63E-11	2.02E-10	2.58E-10	3.03E-11	9.36E-11	1.24E-10
9243	436820.6	3763194	3.68E-10	1.25E-09	1.62E-09	5.72E-11	2.05E-10	2.62E-10	3.08E-11	9.51E-11	1.26E-10
9244	436816.9	3763185	3.741E-10	1.28E-09	1.65E-09	5.81E-11	2.08E-10	2.67E-10	3.13E-11	9.67E-11	1.28E-10
9245	436813.2	3763176	3.803E-10	1.30E-09	1.68E-09	5.91E-11	2.12E-10	2.71E-10	3.18E-11	9.83E-11	1.30E-10
9246	436809.5	3763167	3.854E-10	1.31E-09	1.70E-09	5.99E-11	2.15E-10	2.75E-10	3.23E-11	9.96E-11	1.32E-10
9247	436805.8	3763158	3.903E-10	1.33E-09	1.72E-09	6.06E-11	2.17E-10	2.78E-10	3.27E-11	1.01E-10	1.34E-10
9248	436802.1	3763149	3.951E-10	1.35E-09	1.74E-09	6.14E-11	2.20E-10	2.81E-10	3.31E-11	1.02E-10	1.35E-10
9249	436798.4	3763140	3.998E-10	1.36E-09	1.76E-09	6.21E-11	2.23E-10	2.85E-10	3.35E-11	1.03E-10	1.37E-10
9250	436794.7	3763131	4.042E-10	1.38E-09	1.78E-09	6.28E-11	2.25E-10	2.88E-10	3.38E-11	1.04E-10	1.38E-10
9251	436791	3763122	4.085E-10	1.39E-09	1.80E-09	6.35E-11	2.28E-10	2.91E-10	3.42E-11	1.06E-10	1.40E-10
9252	436787.3	3763113	4.126E-10	1.41E-09	1.82E-09	6.41E-11	2.30E-10	2.94E-10	3.45E-11	1.07E-10	1.41E-10
9253	436783.6	3763104	4.165E-10	1.42E-09	1.84E-09	6.47E-11	2.32E-10	2.97E-10	3.49E-11	1.08E-10	1.42E-10
9254	436779.9	3763095	4.202E-10	1.43E-09	1.85E-09	6.53E-11	2.34E-10	2.99E-10	3.52E-11	1.09E-10	1.44E-10
9255	436776.2	3763087	4.236E-10	1.44E-09	1.87E-09	6.58E-11	2.36E-10	3.02E-10	3.55E-11	1.09E-10	1.45E-10
9256	436731.9	3762980	4.426E-10	1.51E-09	1.95E-09	6.88E-11	2.47E-10	3.15E-10	3.70E-11	1.14E-10	1.51E-10
9257	436728.2	3762971	4.431E-10	1.51E-09	1.95E-09	6.89E-11	2.47E-10	3.16E-10	3.71E-11	1.14E-10	1.52E-10
9258	436724.5	3762962	4.433E-10	1.51E-09	1.96E-09	6.89E-11	2.47E-10	3.16E-10	3.71E-11	1.15E-10	1.52E-10
9259	436720.8	3762953	4.444E-10	1.52E-09	1.96E-09	6.91E-11	2.48E-10	3.17E-10	3.72E-11	1.15E-10	1.52E-10
9260	436717.1	3762944	4.453E-10	1.52E-09	1.96E-09	6.92E-11	2.48E-10	3.17E-10	3.73E-11	1.15E-10	1.52E-10
9261	436713.4	3762935	4.457E-10	1.52E-09	1.97E-09	6.92E-11	2.48E-10	3.18E-10	3.73E-11	1.15E-10	1.52E-10
9262	436709.7	3762926	4.456E-10	1.52E-09	1.97E-09	6.92E-11	2.48E-10	3.17E-10	3.73E-11	1.15E-10	1.52E-10
9263	436706	3762917	4.452E-10	1.52E-09	1.96E-09	6.92E-11	2.48E-10	3.17E-10	3.73E-11	1.15E-10	1.52E-10
9264	436702.3	3762908	4.443E-10	1.51E-09	1.96E-09	6.90E-11	2.47E-10	3.17E-10	3.72E-11	1.15E-10	1.52E-10
9265	437365.2	3763544	2.097E-10	7.15E-10	9.25E-10	3.26E-11	1.17E-10	1.49E-10	1.76E-11	5.42E-11	7.17E-11
9266	437374.9	3763544	2.115E-10	7.21E-10	9.33E-10	3.29E-11	1.18E-10	1.51E-10	1.77E-11	5.47E-11	7.24E-11
9267	437384.5	3763544	2.133E-10	7.27E-10	9.41E-10	3.31E-11	1.19E-10	1.52E-10	1.79E-11	5.51E-11	7.30E-11
9268	437394.2	3763544	2.153E-10	7.34E-10	9.50E-10	3.35E-11	1.20E-10	1.53E-10	1.80E-11	5.56E-11	7.37E-11

9269	437403.8	3763544	2.171E-10	7.40E-10	9.57E-10	3.37E-11	1.21E-10	1.55E-10	1.82E-11	5.61E-11	7.43E-11
9270	437413.5	3763544	2.187E-10	7.46E-10	9.65E-10	3.40E-11	1.22E-10	1.56E-10	1.83E-11	5.65E-11	7.48E-11
9271	437423.1	3763544	2.204E-10	7.51E-10	9.72E-10	3.42E-11	1.23E-10	1.57E-10	1.84E-11	5.69E-11	7.54E-11
9272	437432.8	3763544	2.218E-10	7.56E-10	9.78E-10	3.45E-11	1.24E-10	1.58E-10	1.86E-11	5.73E-11	7.59E-11
9273	437442.4	3763544	2.231E-10	7.61E-10	9.84E-10	3.47E-11	1.24E-10	1.59E-10	1.87E-11	5.76E-11	7.63E-11
9274	437452.1	3763544	2.243E-10	7.65E-10	9.89E-10	3.48E-11	1.25E-10	1.60E-10	1.88E-11	5.79E-11	7.67E-11
9275	437461.7	3763544	2.253E-10	7.68E-10	9.94E-10	3.50E-11	1.26E-10	1.61E-10	1.89E-11	5.82E-11	7.71E-11
9276	437471.4	3763544	2.262E-10	7.71E-10	9.97E-10	3.51E-11	1.26E-10	1.61E-10	1.89E-11	5.84E-11	7.74E-11
9277	437481	3763544	2.27E-10	7.74E-10	1.00E-09	3.53E-11	1.26E-10	1.62E-10	1.90E-11	5.86E-11	7.76E-11
9278	437490.7	3763543	2.277E-10	7.77E-10	1.00E-09	3.54E-11	1.27E-10	1.62E-10	1.91E-11	5.88E-11	7.79E-11
9279	437500.3	3763543	2.287E-10	7.80E-10	1.01E-09	3.55E-11	1.27E-10	1.63E-10	1.91E-11	5.91E-11	7.82E-11
9280	437510	3763543	2.297E-10	7.83E-10	1.01E-09	3.57E-11	1.28E-10	1.64E-10	1.92E-11	5.94E-11	7.86E-11
9281	437519.6	3763543	2.307E-10	7.87E-10	1.02E-09	3.58E-11	1.29E-10	1.64E-10	1.93E-11	5.96E-11	7.89E-11
9282	437529.3	3763543	2.324E-10	7.92E-10	1.02E-09	3.61E-11	1.29E-10	1.66E-10	1.95E-11	6.01E-11	7.95E-11
9283	437538.9	3763543	2.342E-10	7.99E-10	1.03E-09	3.64E-11	1.30E-10	1.67E-10	1.96E-11	6.05E-11	8.01E-11
9284	437548.6	3763543	2.362E-10	8.05E-10	1.04E-09	3.67E-11	1.32E-10	1.68E-10	1.98E-11	6.10E-11	8.08E-11
9285	437356.5	3763580	1.916E-10	6.53E-10	8.45E-10	2.98E-11	1.07E-10	1.36E-10	1.60E-11	4.95E-11	6.55E-11
9286	437347.7	3763576	1.918E-10	6.54E-10	8.46E-10	2.98E-11	1.07E-10	1.37E-10	1.61E-11	4.96E-11	6.56E-11
9287	437338.9	3763573	1.919E-10	6.54E-10	8.46E-10	2.98E-11	1.07E-10	1.37E-10	1.61E-11	4.96E-11	6.56E-11
9288	437330.1	3763569	1.922E-10	6.55E-10	8.47E-10	2.99E-11	1.07E-10	1.37E-10	1.61E-11	4.97E-11	6.57E-11
9289	437321.3	3763566	1.924E-10	6.56E-10	8.49E-10	2.99E-11	1.07E-10	1.37E-10	1.61E-11	4.97E-11	6.58E-11
9290	437312.5	3763562	1.928E-10	6.57E-10	8.50E-10	3.00E-11	1.07E-10	1.37E-10	1.61E-11	4.98E-11	6.60E-11
9291	437303.7	3763558	1.933E-10	6.59E-10	8.52E-10	3.00E-11	1.08E-10	1.38E-10	1.62E-11	4.99E-11	6.61E-11
9292	437294.9	3763555	1.939E-10	6.61E-10	8.55E-10	3.01E-11	1.08E-10	1.38E-10	1.62E-11	5.01E-11	6.63E-11
9293	437286.1	3763551	1.946E-10	6.63E-10	8.58E-10	3.02E-11	1.08E-10	1.39E-10	1.63E-11	5.03E-11	6.66E-11
9294	437277.4	3763547	1.951E-10	6.65E-10	8.61E-10	3.03E-11	1.09E-10	1.39E-10	1.63E-11	5.04E-11	6.68E-11
9295	437268.6	3763544	1.956E-10	6.67E-10	8.63E-10	3.04E-11	1.09E-10	1.39E-10	1.64E-11	5.05E-11	6.69E-11
9296	437259.8	3763540	1.962E-10	6.69E-10	8.65E-10	3.05E-11	1.09E-10	1.40E-10	1.64E-11	5.07E-11	6.71E-11
9297	437251	3763537	1.967E-10	6.71E-10	8.67E-10	3.06E-11	1.10E-10	1.40E-10	1.65E-11	5.08E-11	6.73E-11
9298	437242.2	3763533	1.971E-10	6.72E-10	8.69E-10	3.06E-11	1.10E-10	1.40E-10	1.65E-11	5.09E-11	6.74E-11
9299	437233.4	3763529	1.975E-10	6.73E-10	8.71E-10	3.07E-11	1.10E-10	1.41E-10	1.65E-11	5.10E-11	6.76E-11
9300	437224.6	3763526	1.979E-10	6.75E-10	8.73E-10	3.07E-11	1.10E-10	1.41E-10	1.66E-11	5.11E-11	6.77E-11
9301	437215.8	3763522	1.985E-10	6.77E-10	8.76E-10	3.08E-11	1.11E-10	1.41E-10	1.66E-11	5.13E-11	6.79E-11
9302	437207	3763518	1.997E-10	6.81E-10	8.81E-10	3.10E-11	1.11E-10	1.42E-10	1.67E-11	5.16E-11	6.83E-11
9303	437198.2	3763515	2.008E-10	6.85E-10	8.86E-10	3.12E-11	1.12E-10	1.43E-10	1.68E-11	5.19E-11	6.87E-11
9304	437189.4	3763511	2.021E-10	6.89E-10	8.91E-10	3.14E-11	1.13E-10	1.44E-10	1.69E-11	5.22E-11	6.91E-11
9305	437145.4	3763493	2.092E-10	7.13E-10	9.22E-10	3.25E-11	1.17E-10	1.49E-10	1.75E-11	5.40E-11	7.16E-11
9306	437136.6	3763489	2.105E-10	7.18E-10	9.28E-10	3.27E-11	1.17E-10	1.50E-10	1.76E-11	5.44E-11	7.20E-11
9307	437127.8	3763486	2.12E-10	7.23E-10	9.35E-10	3.29E-11	1.18E-10	1.51E-10	1.77E-11	5.48E-11	7.25E-11
9308	437119.1	3763482	2.136E-10	7.28E-10	9.42E-10	3.32E-11	1.19E-10	1.52E-10	1.79E-11	5.52E-11	7.31E-11
9309	437110.3	3763479	2.173E-10	7.41E-10	9.58E-10	3.38E-11	1.21E-10	1.55E-10	1.82E-11	5.62E-11	7.43E-11
9310	437101.5	3763475	2.187E-10	7.46E-10	9.64E-10	3.40E-11	1.22E-10	1.56E-10	1.83E-11	5.65E-11	7.48E-11
9311	437092.7	3763471	2.2E-10	7.50E-10	9.70E-10	3.42E-11	1.23E-10	1.57E-10	1.84E-11	5.68E-11	7.53E-11
9312	437083.9	3763468	2.212E-10	7.54E-10	9.76E-10	3.44E-11	1.23E-10	1.58E-10	1.85E-11	5.72E-11	7.57E-11
9313	437075.1	3763464	2.224E-10	7.58E-10	9.81E-10	3.46E-11	1.24E-10	1.58E-10	1.86E-11	5.75E-11	7.61E-11
9314	437066.3	3763460	2.217E-10	7.56E-10	9.78E-10	3.44E-11	1.24E-10	1.58E-10	1.86E-11	5.73E-11	7.58E-11
9315	437057.5	3763457	2.228E-10	7.60E-10	9.83E-10	3.46E-11	1.24E-10	1.59E-10	1.87E-11	5.76E-11	7.62E-11
9316	437048.7	3763453	2.24E-10	7.64E-10	9.88E-10	3.48E-11	1.25E-10	1.60E-10	1.88E-11	5.79E-11	7.66E-11
9317	437039.9	3763450	2.253E-10	7.68E-10	9.94E-10	3.50E-11	1.26E-10	1.61E-10	1.89E-11	5.82E-11	7.71E-11
9318	437031.1	3763446	2.273E-10	7.75E-10	1.00E-09	3.53E-11	1.27E-10	1.62E-10	1.90E-11	5.87E-11	7.78E-11
9319	437022.3	3763442	2.303E-10	7.85E-10	1.02E-09	3.58E-11	1.28E-10	1.64E-10	1.93E-11	5.95E-11	7.88E-11
9320	437013.5	3763439	2.322E-10	7.92E-10	1.02E-09	3.61E-11	1.29E-10	1.65E-10	1.94E-11	6.00E-11	7.94E-11
9321	437004.7	3763435	2.337E-10	7.97E-10	1.03E-09	3.63E-11	1.30E-10	1.66E-10	1.96E-11	6.04E-11	7.99E-11
9322	436995.9	3763431	2.35E-10	8.01E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.97E-11	6.07E-11	8.04E-11
9323	436987.1	3763428	2.364E-10	8.06E-10	1.04E-09	3.67E-11	1.32E-10	1.68E-10	1.98E-11	6.11E-11	8.09E-11
9324	436978.3	3763424	2.379E-10	8.11E-10	1.05E-09	3.70E-11	1.33E-10	1.70E-10	1.99E-11	6.15E-11	8.14E-11
9325	436969.5	3763421	2.396E-10	8.17E-10	1.06E-09	3.72E-11	1.33E-10	1.71E-10	2.01E-11	6.19E-11	8.20E-11
9326	436960.7	3763417	2.411E-10	8.22E-10	1.06E-09	3.75E-11	1.34E-10	1.72E-10	2.02E-11	6.23E-11	8.25E-11
9327	436952	3763413	2.428E-10	8.28E-10	1.07E-09	3.77E-11	1.35E-10	1.73E-10	2.03E-11	6.27E-11	8.30E-11
9328	436943.2	3763410	2.44E-10	8.32E-10	1.08E-09	3.79E-11	1.36E-10	1.74E-10	2.04E-11	6.31E-11	8.35E-11
9329	436934.4	3763406	2.45E-10	8.35E-10	1.08E-09	3.81E-11	1.36E-10	1.75E-10	2.05E-11	6.33E-11	8.38E-11

9330	436925.6	3763402	2.46E-10	8.39E-10	1.08E-09	3.82E-11	1.37E-10	1.75E-10	2.06E-11	6.36E-11	8.42E-11
9331	436916.8	3763399	2.467E-10	8.41E-10	1.09E-09	3.83E-11	1.37E-10	1.76E-10	2.07E-11	6.37E-11	8.44E-11
9332	436908	3763395	2.469E-10	8.42E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.38E-11	8.45E-11
9333	436899.2	3763392	2.47E-10	8.42E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.38E-11	8.45E-11
9334	436890.4	3763388	2.471E-10	8.43E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.38E-11	8.45E-11
9335	436881.6	3763384	2.472E-10	8.43E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.39E-11	8.46E-11
9336	436872.8	3763381	2.474E-10	8.44E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.39E-11	8.46E-11
9337	436864	3763377	2.476E-10	8.44E-10	1.09E-09	3.85E-11	1.38E-10	1.76E-10	2.07E-11	6.40E-11	8.47E-11
9338	436851.6	3763365	2.52E-10	8.59E-10	1.11E-09	3.92E-11	1.40E-10	1.80E-10	2.11E-11	6.51E-11	8.62E-11
9339	436847.9	3763356	2.564E-10	8.74E-10	1.13E-09	3.98E-11	1.43E-10	1.83E-10	2.15E-11	6.63E-11	8.77E-11
9340	436844.3	3763347	2.61E-10	8.90E-10	1.15E-09	4.05E-11	1.45E-10	1.86E-10	2.18E-11	6.74E-11	8.93E-11
9341	436840.6	3763338	2.657E-10	9.06E-10	1.17E-09	4.13E-11	1.48E-10	1.89E-10	2.22E-11	6.87E-11	9.09E-11
9342	436837	3763329	2.706E-10	9.23E-10	1.19E-09	4.20E-11	1.51E-10	1.93E-10	2.26E-11	6.99E-11	9.26E-11
9343	436833.3	3763321	2.756E-10	9.40E-10	1.22E-09	4.28E-11	1.54E-10	1.96E-10	2.31E-11	7.12E-11	9.43E-11
9344	436829.7	3763312	2.804E-10	9.56E-10	1.24E-09	4.36E-11	1.56E-10	2.00E-10	2.35E-11	7.24E-11	9.59E-11
9345	436826.1	3763303	2.853E-10	9.73E-10	1.26E-09	4.43E-11	1.59E-10	2.03E-10	2.39E-11	7.37E-11	9.76E-11
9346	436822.4	3763294	2.903E-10	9.90E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.50E-11	9.93E-11
9347	436818.8	3763286	2.954E-10	1.01E-09	1.30E-09	4.59E-11	1.65E-10	2.10E-10	2.47E-11	7.63E-11	1.01E-10
9348	436815.1	3763277	3.006E-10	1.02E-09	1.33E-09	4.67E-11	1.67E-10	2.14E-10	2.52E-11	7.77E-11	1.03E-10
9349	436811.5	3763268	3.056E-10	1.04E-09	1.35E-09	4.75E-11	1.70E-10	2.18E-10	2.56E-11	7.90E-11	1.05E-10
9350	436807.8	3763259	3.106E-10	1.06E-09	1.37E-09	4.83E-11	1.73E-10	2.21E-10	2.60E-11	8.02E-11	1.06E-10
9351	436804.2	3763250	3.152E-10	1.07E-09	1.39E-09	4.90E-11	1.76E-10	2.25E-10	2.64E-11	8.15E-11	1.08E-10
9352	436800.5	3763242	3.2E-10	1.09E-09	1.41E-09	4.97E-11	1.78E-10	2.28E-10	2.68E-11	8.27E-11	1.09E-10
9353	436796.9	3763233	3.246E-10	1.11E-09	1.43E-09	5.04E-11	1.81E-10	2.31E-10	2.72E-11	8.39E-11	1.11E-10
9354	436793.3	3763224	3.291E-10	1.12E-09	1.45E-09	5.11E-11	1.83E-10	2.34E-10	2.75E-11	8.50E-11	1.13E-10
9355	436789.6	3763215	3.339E-10	1.14E-09	1.47E-09	5.19E-11	1.86E-10	2.38E-10	2.79E-11	8.63E-11	1.14E-10
9356	436786	3763206	3.388E-10	1.16E-09	1.49E-09	5.26E-11	1.89E-10	2.41E-10	2.84E-11	8.75E-11	1.16E-10
9357	436782.3	3763198	3.439E-10	1.17E-09	1.52E-09	5.34E-11	1.92E-10	2.45E-10	2.88E-11	8.88E-11	1.18E-10
9358	436742.2	3763101	3.844E-10	1.31E-09	1.70E-09	5.97E-11	2.14E-10	2.74E-10	3.22E-11	9.93E-11	1.31E-10
9359	436738.6	3763092	3.865E-10	1.32E-09	1.70E-09	6.01E-11	2.15E-10	2.75E-10	3.24E-11	9.99E-11	1.32E-10
9360	436734.9	3763083	3.887E-10	1.33E-09	1.71E-09	6.04E-11	2.17E-10	2.77E-10	3.25E-11	1.00E-10	1.33E-10
9361	436731.3	3763075	3.91E-10	1.33E-09	1.72E-09	6.08E-11	2.18E-10	2.79E-10	3.27E-11	1.01E-10	1.34E-10
9362	436727.6	3763066	3.935E-10	1.34E-09	1.74E-09	6.11E-11	2.19E-10	2.80E-10	3.29E-11	1.02E-10	1.35E-10
9363	436724	3763057	3.957E-10	1.35E-09	1.74E-09	6.15E-11	2.20E-10	2.82E-10	3.31E-11	1.02E-10	1.35E-10
9364	436720.4	3763048	3.978E-10	1.36E-09	1.75E-09	6.18E-11	2.22E-10	2.83E-10	3.33E-11	1.03E-10	1.36E-10
9365	436716.7	3763039	4E-10	1.36E-09	1.76E-09	6.22E-11	2.23E-10	2.85E-10	3.35E-11	1.03E-10	1.37E-10
9366	436713.1	3763031	4.019E-10	1.37E-09	1.77E-09	6.24E-11	2.24E-10	2.86E-10	3.36E-11	1.04E-10	1.37E-10
9367	436709.4	3763022	4.031E-10	1.37E-09	1.78E-09	6.26E-11	2.25E-10	2.87E-10	3.37E-11	1.04E-10	1.38E-10
9368	436705.8	3763013	4.041E-10	1.38E-09	1.78E-09	6.28E-11	2.25E-10	2.88E-10	3.38E-11	1.04E-10	1.38E-10
9369	436702.1	3763004	4.049E-10	1.38E-09	1.79E-09	6.29E-11	2.26E-10	2.88E-10	3.39E-11	1.05E-10	1.39E-10
9370	436698.5	3762996	4.055E-10	1.38E-09	1.79E-09	6.30E-11	2.26E-10	2.89E-10	3.39E-11	1.05E-10	1.39E-10
9371	436694.8	3762987	4.059E-10	1.38E-09	1.79E-09	6.31E-11	2.26E-10	2.89E-10	3.40E-11	1.05E-10	1.39E-10
9372	436691.2	3762978	4.061E-10	1.38E-09	1.79E-09	6.31E-11	2.26E-10	2.89E-10	3.40E-11	1.05E-10	1.39E-10
9373	436687.5	3762969	4.063E-10	1.39E-09	1.79E-09	6.31E-11	2.26E-10	2.89E-10	3.40E-11	1.05E-10	1.39E-10
9374	436683.9	3762960	4.062E-10	1.39E-09	1.79E-09	6.31E-11	2.26E-10	2.89E-10	3.40E-11	1.05E-10	1.39E-10
9375	436680.3	3762952	4.059E-10	1.38E-09	1.79E-09	6.31E-11	2.26E-10	2.89E-10	3.40E-11	1.05E-10	1.39E-10
9376	436676.6	3762943	4.055E-10	1.38E-09	1.79E-09	6.30E-11	2.26E-10	2.89E-10	3.39E-11	1.05E-10	1.39E-10
9377	436673	3762934	4.049E-10	1.38E-09	1.79E-09	6.29E-11	2.26E-10	2.88E-10	3.39E-11	1.05E-10	1.39E-10
9378	436669.3	3762925	4.043E-10	1.38E-09	1.78E-09	6.28E-11	2.25E-10	2.88E-10	3.38E-11	1.04E-10	1.38E-10
9379	436665.7	3762916	4.035E-10	1.38E-09	1.78E-09	6.27E-11	2.25E-10	2.87E-10	3.38E-11	1.04E-10	1.38E-10
9380	437365.3	3763584	1.914E-10	6.53E-10	8.44E-10	2.97E-11	1.07E-10	1.36E-10	1.60E-11	4.95E-11	6.55E-11
9381	437374.9	3763584	1.928E-10	6.57E-10	8.50E-10	3.00E-11	1.07E-10	1.37E-10	1.61E-11	4.98E-11	6.60E-11
9382	437384.6	3763584	1.942E-10	6.62E-10	8.56E-10	3.02E-11	1.08E-10	1.38E-10	1.63E-11	5.02E-11	6.64E-11
9383	437394.2	3763584	1.956E-10	6.67E-10	8.63E-10	3.04E-11	1.09E-10	1.39E-10	1.64E-11	5.05E-11	6.69E-11
9384	437403.9	3763584	1.971E-10	6.72E-10	8.69E-10	3.06E-11	1.10E-10	1.40E-10	1.65E-11	5.09E-11	6.74E-11
9385	437413.5	3763584	1.985E-10	6.77E-10	8.76E-10	3.08E-11	1.11E-10	1.41E-10	1.66E-11	5.13E-11	6.79E-11
9386	437423.2	3763584	2E-10	6.82E-10	8.82E-10	3.11E-11	1.11E-10	1.43E-10	1.67E-11	5.17E-11	6.84E-11
9387	437432.9	3763584	2.014E-10	6.87E-10	8.88E-10	3.13E-11	1.12E-10	1.43E-10	1.69E-11	5.20E-11	6.89E-11
9388	437442.5	3763584	2.026E-10	6.91E-10	8.93E-10	3.15E-11	1.13E-10	1.44E-10	1.70E-11	5.23E-11	6.93E-11
9389	437452.2	3763584	2.039E-10	6.95E-10	8.99E-10	3.17E-11	1.14E-10	1.45E-10	1.71E-11	5.27E-11	6.97E-11
9390	437461.8	3763584	2.05E-10	6.99E-10	9.04E-10	3.19E-11	1.14E-10	1.46E-10	1.72E-11	5.30E-11	7.01E-11

9391	437471.5	3763584	2.059E-10	7.02E-10	9.08E-10	3.20E-11	1.15E-10	1.47E-10	1.72E-11	5.32E-11	7.04E-11
9392	437481.1	3763584	2.068E-10	7.05E-10	9.12E-10	3.21E-11	1.15E-10	1.47E-10	1.73E-11	5.34E-11	7.07E-11
9393	437490.8	3763583	2.077E-10	7.08E-10	9.16E-10	3.23E-11	1.16E-10	1.48E-10	1.74E-11	5.37E-11	7.10E-11
9394	437500.4	3763583	2.083E-10	7.10E-10	9.19E-10	3.24E-11	1.16E-10	1.48E-10	1.74E-11	5.38E-11	7.13E-11
9395	437510.1	3763583	2.09E-10	7.13E-10	9.21E-10	3.25E-11	1.16E-10	1.49E-10	1.75E-11	5.40E-11	7.15E-11
9396	437519.7	3763583	2.096E-10	7.15E-10	9.24E-10	3.26E-11	1.17E-10	1.49E-10	1.75E-11	5.42E-11	7.17E-11
9397	437529.4	3763583	2.109E-10	7.19E-10	9.30E-10	3.28E-11	1.17E-10	1.50E-10	1.76E-11	5.45E-11	7.21E-11
9398	437539	3763583	2.122E-10	7.24E-10	9.36E-10	3.30E-11	1.18E-10	1.51E-10	1.78E-11	5.48E-11	7.26E-11
9399	437548.7	3763583	2.136E-10	7.28E-10	9.42E-10	3.32E-11	1.19E-10	1.52E-10	1.79E-11	5.52E-11	7.31E-11
9400	437356.6	3763620	1.762E-10	6.01E-10	7.77E-10	2.74E-11	9.82E-11	1.26E-10	1.47E-11	4.55E-11	6.03E-11
9401	437347.7	3763616	1.765E-10	6.02E-10	7.78E-10	2.74E-11	9.83E-11	1.26E-10	1.48E-11	4.56E-11	6.04E-11
9402	437338.9	3763613	1.768E-10	6.03E-10	7.80E-10	2.75E-11	9.85E-11	1.26E-10	1.48E-11	4.57E-11	6.05E-11
9403	437330.1	3763609	1.77E-10	6.04E-10	7.81E-10	2.75E-11	9.86E-11	1.26E-10	1.48E-11	4.57E-11	6.05E-11
9404	437321.2	3763606	1.771E-10	6.04E-10	7.81E-10	2.75E-11	9.87E-11	1.26E-10	1.48E-11	4.58E-11	6.06E-11
9405	437312.4	3763602	1.772E-10	6.04E-10	7.81E-10	2.75E-11	9.87E-11	1.26E-10	1.48E-11	4.58E-11	6.06E-11
9406	437303.6	3763598	1.776E-10	6.05E-10	7.83E-10	2.76E-11	9.89E-11	1.27E-10	1.49E-11	4.59E-11	6.07E-11
9407	437294.8	3763595	1.779E-10	6.07E-10	7.85E-10	2.76E-11	9.91E-11	1.27E-10	1.49E-11	4.60E-11	6.09E-11
9408	437285.9	3763591	1.783E-10	6.08E-10	7.86E-10	2.77E-11	9.93E-11	1.27E-10	1.49E-11	4.61E-11	6.10E-11
9409	437277.1	3763587	1.788E-10	6.10E-10	7.89E-10	2.78E-11	9.96E-11	1.27E-10	1.50E-11	4.62E-11	6.12E-11
9410	437268.3	3763584	1.794E-10	6.12E-10	7.91E-10	2.79E-11	9.99E-11	1.28E-10	1.50E-11	4.64E-11	6.14E-11
9411	437259.5	3763580	1.799E-10	6.13E-10	7.93E-10	2.80E-11	1.00E-10	1.28E-10	1.51E-11	4.65E-11	6.15E-11
9412	437250.6	3763576	1.804E-10	6.15E-10	7.96E-10	2.80E-11	1.00E-10	1.29E-10	1.51E-11	4.66E-11	6.17E-11
9413	437241.8	3763573	1.805E-10	6.16E-10	7.96E-10	2.81E-11	1.01E-10	1.29E-10	1.51E-11	4.66E-11	6.18E-11
9414	437233	3763569	1.808E-10	6.16E-10	7.97E-10	2.81E-11	1.01E-10	1.29E-10	1.51E-11	4.67E-11	6.18E-11
9415	437224.2	3763566	1.81E-10	6.17E-10	7.98E-10	2.81E-11	1.01E-10	1.29E-10	1.51E-11	4.68E-11	6.19E-11
9416	437215.3	3763562	1.813E-10	6.18E-10	8.00E-10	2.82E-11	1.01E-10	1.29E-10	1.52E-11	4.69E-11	6.20E-11
9417	437206.5	3763558	1.817E-10	6.20E-10	8.01E-10	2.82E-11	1.01E-10	1.29E-10	1.52E-11	4.70E-11	6.22E-11
9418	437197.7	3763555	1.823E-10	6.22E-10	8.04E-10	2.83E-11	1.02E-10	1.30E-10	1.53E-11	4.71E-11	6.24E-11
9419	437188.8	3763551	1.831E-10	6.24E-10	8.07E-10	2.84E-11	1.02E-10	1.30E-10	1.53E-11	4.73E-11	6.26E-11
9420	437144.7	3763533	1.875E-10	6.39E-10	8.27E-10	2.91E-11	1.04E-10	1.34E-10	1.57E-11	4.84E-11	6.41E-11
9421	437135.9	3763529	1.885E-10	6.43E-10	8.31E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.87E-11	6.45E-11
9422	437127.1	3763525	1.898E-10	6.47E-10	8.37E-10	2.95E-11	1.06E-10	1.35E-10	1.59E-11	4.90E-11	6.49E-11
9423	437118.2	3763522	1.915E-10	6.53E-10	8.44E-10	2.97E-11	1.07E-10	1.36E-10	1.60E-11	4.95E-11	6.55E-11
9424	437109.4	3763518	1.932E-10	6.59E-10	8.52E-10	3.00E-11	1.08E-10	1.38E-10	1.62E-11	4.99E-11	6.61E-11
9425	437100.6	3763515	1.95E-10	6.65E-10	8.60E-10	3.03E-11	1.09E-10	1.39E-10	1.63E-11	5.04E-11	6.67E-11
9426	437091.8	3763511	1.967E-10	6.71E-10	8.67E-10	3.06E-11	1.10E-10	1.40E-10	1.65E-11	5.08E-11	6.73E-11
9427	437082.9	3763507	2.003E-10	6.83E-10	8.83E-10	3.11E-11	1.12E-10	1.43E-10	1.68E-11	5.18E-11	6.85E-11
9428	437074.1	3763504	2.016E-10	6.87E-10	8.89E-10	3.13E-11	1.12E-10	1.44E-10	1.69E-11	5.21E-11	6.90E-11
9429	437065.3	3763500	2.028E-10	6.91E-10	8.94E-10	3.15E-11	1.13E-10	1.44E-10	1.70E-11	5.24E-11	6.94E-11
9430	437056.5	3763496	2.039E-10	6.95E-10	8.99E-10	3.17E-11	1.14E-10	1.45E-10	1.71E-11	5.27E-11	6.97E-11
9431	437047.6	3763493	2.049E-10	6.99E-10	9.04E-10	3.18E-11	1.14E-10	1.46E-10	1.72E-11	5.29E-11	7.01E-11
9432	437038.8	3763489	2.044E-10	6.97E-10	9.01E-10	3.18E-11	1.14E-10	1.46E-10	1.71E-11	5.28E-11	6.99E-11
9433	437030	3763485	2.058E-10	7.02E-10	9.07E-10	3.20E-11	1.15E-10	1.47E-10	1.72E-11	5.32E-11	7.04E-11
9434	437021.1	3763482	2.082E-10	7.10E-10	9.18E-10	3.24E-11	1.16E-10	1.48E-10	1.74E-11	5.38E-11	7.12E-11
9435	437012.3	3763478	2.095E-10	7.14E-10	9.24E-10	3.26E-11	1.17E-10	1.49E-10	1.75E-11	5.41E-11	7.17E-11
9436	437003.5	3763475	2.108E-10	7.19E-10	9.30E-10	3.28E-11	1.17E-10	1.50E-10	1.76E-11	5.45E-11	7.21E-11
9437	436994.7	3763471	2.121E-10	7.23E-10	9.36E-10	3.30E-11	1.18E-10	1.51E-10	1.78E-11	5.48E-11	7.26E-11
9438	436985.8	3763467	2.134E-10	7.28E-10	9.41E-10	3.32E-11	1.19E-10	1.52E-10	1.79E-11	5.51E-11	7.30E-11
9439	436977	3763464	2.146E-10	7.32E-10	9.46E-10	3.33E-11	1.20E-10	1.53E-10	1.80E-11	5.54E-11	7.34E-11
9440	436968.2	3763460	2.156E-10	7.35E-10	9.51E-10	3.35E-11	1.20E-10	1.54E-10	1.80E-11	5.57E-11	7.38E-11
9441	436959.4	3763456	2.167E-10	7.39E-10	9.56E-10	3.37E-11	1.21E-10	1.54E-10	1.81E-11	5.60E-11	7.41E-11
9442	436950.5	3763453	2.179E-10	7.43E-10	9.61E-10	3.39E-11	1.21E-10	1.55E-10	1.82E-11	5.63E-11	7.45E-11
9443	436941.7	3763449	2.189E-10	7.46E-10	9.65E-10	3.40E-11	1.22E-10	1.56E-10	1.83E-11	5.66E-11	7.49E-11
9444	436932.9	3763445	2.198E-10	7.49E-10	9.69E-10	3.42E-11	1.22E-10	1.57E-10	1.84E-11	5.68E-11	7.52E-11
9445	436924.1	3763442	2.207E-10	7.53E-10	9.73E-10	3.43E-11	1.23E-10	1.57E-10	1.85E-11	5.70E-11	7.55E-11
9446	436915.2	3763438	2.217E-10	7.56E-10	9.78E-10	3.44E-11	1.24E-10	1.58E-10	1.86E-11	5.73E-11	7.58E-11
9447	436906.4	3763434	2.226E-10	7.59E-10	9.81E-10	3.46E-11	1.24E-10	1.59E-10	1.86E-11	5.75E-11	7.61E-11
9448	436897.6	3763431	2.233E-10	7.62E-10	9.85E-10	3.47E-11	1.24E-10	1.59E-10	1.87E-11	5.77E-11	7.64E-11
9449	436888.7	3763427	2.24E-10	7.64E-10	9.88E-10	3.48E-11	1.25E-10	1.60E-10	1.88E-11	5.79E-11	7.66E-11
9450	436879.9	3763424	2.245E-10	7.65E-10	9.90E-10	3.49E-11	1.25E-10	1.60E-10	1.88E-11	5.80E-11	7.68E-11
9451	436871.1	3763420	2.247E-10	7.66E-10	9.91E-10	3.49E-11	1.25E-10	1.60E-10	1.88E-11	5.81E-11	7.69E-11

9452	436862.3	3763416	2.248E-10	7.66E-10	9.91E-10	3.49E-11	1.25E-10	1.60E-10	1.88E-11	5.81E-11	7.69E-11
9453	436853.4	3763413	2.251E-10	7.68E-10	9.93E-10	3.50E-11	1.25E-10	1.60E-10	1.88E-11	5.82E-11	7.70E-11
9454	436844.6	3763409	2.255E-10	7.69E-10	9.94E-10	3.50E-11	1.26E-10	1.61E-10	1.89E-11	5.83E-11	7.71E-11
9455	436835.8	3763405	2.26E-10	7.71E-10	9.96E-10	3.51E-11	1.26E-10	1.61E-10	1.89E-11	5.84E-11	7.73E-11
9456	436823.3	3763393	2.303E-10	7.85E-10	1.02E-09	3.58E-11	1.28E-10	1.64E-10	1.93E-11	5.95E-11	7.88E-11
9457	436819.6	3763384	2.342E-10	7.99E-10	1.03E-09	3.64E-11	1.30E-10	1.67E-10	1.96E-11	6.05E-11	8.01E-11
9458	436816	3763375	2.381E-10	8.12E-10	1.05E-09	3.70E-11	1.33E-10	1.70E-10	1.99E-11	6.15E-11	8.15E-11
9459	436812.3	3763366	2.422E-10	8.26E-10	1.07E-09	3.76E-11	1.35E-10	1.73E-10	2.03E-11	6.26E-11	8.28E-11
9460	436808.7	3763358	2.463E-10	8.40E-10	1.09E-09	3.83E-11	1.37E-10	1.75E-10	2.06E-11	6.36E-11	8.43E-11
9461	436805	3763349	2.505E-10	8.54E-10	1.10E-09	3.89E-11	1.40E-10	1.78E-10	2.10E-11	6.47E-11	8.57E-11
9462	436801.4	3763340	2.552E-10	8.70E-10	1.13E-09	3.96E-11	1.42E-10	1.82E-10	2.14E-11	6.59E-11	8.73E-11
9463	436797.7	3763331	2.599E-10	8.86E-10	1.15E-09	4.04E-11	1.45E-10	1.85E-10	2.18E-11	6.72E-11	8.89E-11
9464	436794	3763322	2.646E-10	9.02E-10	1.17E-09	4.11E-11	1.47E-10	1.89E-10	2.22E-11	6.84E-11	9.05E-11
9465	436790.4	3763314	2.69E-10	9.17E-10	1.19E-09	4.18E-11	1.50E-10	1.92E-10	2.25E-11	6.95E-11	9.20E-11
9466	436786.7	3763305	2.732E-10	9.32E-10	1.20E-09	4.25E-11	1.52E-10	1.95E-10	2.29E-11	7.06E-11	9.35E-11
9467	436783.1	3763296	2.775E-10	9.46E-10	1.22E-09	4.31E-11	1.55E-10	1.98E-10	2.32E-11	7.17E-11	9.49E-11
9468	436742.8	3763199	3.217E-10	1.10E-09	1.42E-09	5.00E-11	1.79E-10	2.29E-10	2.69E-11	8.31E-11	1.10E-10
9469	436739.2	3763190	3.264E-10	1.11E-09	1.44E-09	5.07E-11	1.82E-10	2.33E-10	2.73E-11	8.43E-11	1.12E-10
9470	436735.5	3763181	3.303E-10	1.13E-09	1.46E-09	5.13E-11	1.84E-10	2.35E-10	2.76E-11	8.54E-11	1.13E-10
9471	436731.8	3763172	3.337E-10	1.14E-09	1.47E-09	5.19E-11	1.86E-10	2.38E-10	2.79E-11	8.62E-11	1.14E-10
9472	436728.2	3763164	3.37E-10	1.15E-09	1.49E-09	5.24E-11	1.88E-10	2.40E-10	2.82E-11	8.71E-11	1.15E-10
9473	436724.5	3763155	3.402E-10	1.16E-09	1.50E-09	5.29E-11	1.90E-10	2.42E-10	2.85E-11	8.79E-11	1.16E-10
9474	436720.9	3763146	3.432E-10	1.17E-09	1.51E-09	5.33E-11	1.91E-10	2.45E-10	2.87E-11	8.87E-11	1.17E-10
9475	436717.2	3763137	3.461E-10	1.18E-09	1.53E-09	5.38E-11	1.93E-10	2.47E-10	2.90E-11	8.94E-11	1.18E-10
9476	436713.6	3763128	3.488E-10	1.19E-09	1.54E-09	5.42E-11	1.94E-10	2.49E-10	2.92E-11	9.01E-11	1.19E-10
9477	436709.9	3763119	3.514E-10	1.20E-09	1.55E-09	5.46E-11	1.96E-10	2.50E-10	2.94E-11	9.08E-11	1.20E-10
9478	436706.2	3763111	3.538E-10	1.21E-09	1.56E-09	5.50E-11	1.97E-10	2.52E-10	2.96E-11	9.14E-11	1.21E-10
9479	436702.6	3763102	3.561E-10	1.21E-09	1.57E-09	5.53E-11	1.98E-10	2.54E-10	2.98E-11	9.20E-11	1.22E-10
9480	436698.9	3763093	3.582E-10	1.22E-09	1.58E-09	5.57E-11	2.00E-10	2.55E-10	3.00E-11	9.25E-11	1.23E-10
9481	436695.3	3763084	3.602E-10	1.23E-09	1.59E-09	5.60E-11	2.01E-10	2.57E-10	3.01E-11	9.31E-11	1.23E-10
9482	436691.6	3763075	3.619E-10	1.23E-09	1.60E-09	5.62E-11	2.02E-10	2.58E-10	3.03E-11	9.35E-11	1.24E-10
9483	436687.9	3763067	3.636E-10	1.24E-09	1.60E-09	5.65E-11	2.03E-10	2.59E-10	3.04E-11	9.39E-11	1.24E-10
9484	436684.3	3763058	3.65E-10	1.24E-09	1.61E-09	5.67E-11	2.03E-10	2.60E-10	3.06E-11	9.43E-11	1.25E-10
9485	436680.6	3763049	3.664E-10	1.25E-09	1.62E-09	5.69E-11	2.04E-10	2.61E-10	3.07E-11	9.47E-11	1.25E-10
9486	436677	3763040	3.676E-10	1.25E-09	1.62E-09	5.71E-11	2.05E-10	2.62E-10	3.08E-11	9.50E-11	1.26E-10
9487	436673.3	3763031	3.686E-10	1.26E-09	1.63E-09	5.73E-11	2.05E-10	2.63E-10	3.09E-11	9.52E-11	1.26E-10
9488	436669.7	3763022	3.694E-10	1.26E-09	1.63E-09	5.74E-11	2.06E-10	2.63E-10	3.09E-11	9.54E-11	1.26E-10
9489	436666	3763014	3.7E-10	1.26E-09	1.63E-09	5.75E-11	2.06E-10	2.64E-10	3.10E-11	9.56E-11	1.27E-10
9490	436662.3	3763005	3.704E-10	1.26E-09	1.63E-09	5.76E-11	2.06E-10	2.64E-10	3.10E-11	9.57E-11	1.27E-10
9491	436658.7	3762996	3.708E-10	1.26E-09	1.64E-09	5.76E-11	2.07E-10	2.64E-10	3.10E-11	9.58E-11	1.27E-10
9492	436655	3762987	3.709E-10	1.26E-09	1.64E-09	5.76E-11	2.07E-10	2.64E-10	3.10E-11	9.58E-11	1.27E-10
9493	436651.4	3762978	3.709E-10	1.26E-09	1.64E-09	5.76E-11	2.07E-10	2.64E-10	3.10E-11	9.58E-11	1.27E-10
9494	436647.7	3762970	3.709E-10	1.26E-09	1.64E-09	5.76E-11	2.07E-10	2.64E-10	3.10E-11	9.58E-11	1.27E-10
9495	436644	3762961	3.706E-10	1.26E-09	1.63E-09	5.76E-11	2.06E-10	2.64E-10	3.10E-11	9.58E-11	1.27E-10
9496	436640.4	3762952	3.702E-10	1.26E-09	1.63E-09	5.75E-11	2.06E-10	2.64E-10	3.10E-11	9.57E-11	1.27E-10
9497	436636.7	3762943	3.698E-10	1.26E-09	1.63E-09	5.75E-11	2.06E-10	2.63E-10	3.10E-11	9.56E-11	1.27E-10
9498	436633.1	3762934	3.693E-10	1.26E-09	1.63E-09	5.74E-11	2.06E-10	2.63E-10	3.09E-11	9.54E-11	1.26E-10
9499	436629.4	3762925	3.686E-10	1.26E-09	1.63E-09	5.73E-11	2.05E-10	2.63E-10	3.09E-11	9.52E-11	1.26E-10
9500	436625.8	3762917	3.679E-10	1.25E-09	1.62E-09	5.72E-11	2.05E-10	2.62E-10	3.08E-11	9.51E-11	1.26E-10
9501	437365.4	3763624	1.759E-10	6.00E-10	7.76E-10	2.73E-11	9.80E-11	1.25E-10	1.47E-11	4.54E-11	6.02E-11
9502	437375	3763624	1.769E-10	6.03E-10	7.80E-10	2.75E-11	9.85E-11	1.26E-10	1.48E-11	4.57E-11	6.05E-11
9503	437384.7	3763624	1.778E-10	6.06E-10	7.84E-10	2.76E-11	9.91E-11	1.27E-10	1.49E-11	4.60E-11	6.08E-11
9504	437394.3	3763624	1.788E-10	6.10E-10	7.89E-10	2.78E-11	9.96E-11	1.27E-10	1.50E-11	4.62E-11	6.12E-11
9505	437404	3763624	1.799E-10	6.13E-10	7.93E-10	2.80E-11	1.00E-10	1.28E-10	1.51E-11	4.65E-11	6.15E-11
9506	437413.6	3763624	1.81E-10	6.17E-10	7.98E-10	2.81E-11	1.01E-10	1.29E-10	1.52E-11	4.68E-11	6.19E-11
9507	437423.3	3763624	1.822E-10	6.21E-10	8.04E-10	2.83E-11	1.02E-10	1.30E-10	1.53E-11	4.71E-11	6.23E-11
9508	437432.9	3763624	1.834E-10	6.26E-10	8.09E-10	2.85E-11	1.02E-10	1.31E-10	1.54E-11	4.74E-11	6.28E-11
9509	437442.6	3763624	1.847E-10	6.30E-10	8.14E-10	2.87E-11	1.03E-10	1.32E-10	1.55E-11	4.77E-11	6.32E-11
9510	437452.2	3763624	1.859E-10	6.34E-10	8.20E-10	2.89E-11	1.04E-10	1.32E-10	1.56E-11	4.80E-11	6.36E-11
9511	437461.9	3763624	1.871E-10	6.38E-10	8.25E-10	2.91E-11	1.04E-10	1.33E-10	1.57E-11	4.84E-11	6.40E-11
9512	437471.5	3763624	1.883E-10	6.42E-10	8.30E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.86E-11	6.44E-11

9513	437481.2	3763624	1.894E-10	6.46E-10	8.35E-10	2.94E-11	1.06E-10	1.35E-10	1.59E-11	4.89E-11	6.48E-11
9514	437490.8	3763623	1.905E-10	6.49E-10	8.40E-10	2.96E-11	1.06E-10	1.36E-10	1.59E-11	4.92E-11	6.52E-11
9515	437500.5	3763623	1.913E-10	6.52E-10	8.44E-10	2.97E-11	1.07E-10	1.36E-10	1.60E-11	4.94E-11	6.54E-11
9516	437510.1	3763623	1.921E-10	6.55E-10	8.47E-10	2.98E-11	1.07E-10	1.37E-10	1.61E-11	4.96E-11	6.57E-11
9517	437519.8	3763623	1.929E-10	6.58E-10	8.51E-10	3.00E-11	1.07E-10	1.37E-10	1.61E-11	4.99E-11	6.60E-11
9518	437529.4	3763623	1.941E-10	6.62E-10	8.56E-10	3.02E-11	1.08E-10	1.38E-10	1.62E-11	5.01E-11	6.64E-11
9519	437539.1	3763623	1.952E-10	6.66E-10	8.61E-10	3.03E-11	1.09E-10	1.39E-10	1.63E-11	5.04E-11	6.68E-11
9520	437548.7	3763623	1.963E-10	6.70E-10	8.66E-10	3.05E-11	1.09E-10	1.40E-10	1.64E-11	5.07E-11	6.72E-11
9521	437356.6	3763660	1.628E-10	5.55E-10	7.18E-10	2.53E-11	9.07E-11	1.16E-10	1.36E-11	4.21E-11	5.57E-11
9522	437347.8	3763656	1.632E-10	5.56E-10	7.20E-10	2.54E-11	9.09E-11	1.16E-10	1.37E-11	4.22E-11	5.58E-11
9523	437338.9	3763653	1.637E-10	5.58E-10	7.22E-10	2.54E-11	9.12E-11	1.17E-10	1.37E-11	4.23E-11	5.60E-11
9524	437330	3763649	1.639E-10	5.59E-10	7.23E-10	2.55E-11	9.13E-11	1.17E-10	1.37E-11	4.23E-11	5.61E-11
9525	437321.2	3763645	1.64E-10	5.59E-10	7.23E-10	2.55E-11	9.14E-11	1.17E-10	1.37E-11	4.24E-11	5.61E-11
9526	437312.3	3763642	1.642E-10	5.60E-10	7.24E-10	2.55E-11	9.15E-11	1.17E-10	1.37E-11	4.24E-11	5.62E-11
9527	437303.5	3763638	1.645E-10	5.61E-10	7.25E-10	2.56E-11	9.16E-11	1.17E-10	1.38E-11	4.25E-11	5.63E-11
9528	437294.6	3763635	1.648E-10	5.62E-10	7.27E-10	2.56E-11	9.18E-11	1.17E-10	1.38E-11	4.26E-11	5.64E-11
9529	437285.8	3763631	1.652E-10	5.63E-10	7.28E-10	2.57E-11	9.20E-11	1.18E-10	1.38E-11	4.27E-11	5.65E-11
9530	437276.9	3763627	1.655E-10	5.64E-10	7.30E-10	2.57E-11	9.22E-11	1.18E-10	1.39E-11	4.28E-11	5.66E-11
9531	437268.1	3763624	1.66E-10	5.66E-10	7.32E-10	2.58E-11	9.25E-11	1.18E-10	1.39E-11	4.29E-11	5.68E-11
9532	437259.2	3763620	1.667E-10	5.68E-10	7.35E-10	2.59E-11	9.28E-11	1.19E-10	1.39E-11	4.31E-11	5.70E-11
9533	437250.3	3763616	1.672E-10	5.70E-10	7.37E-10	2.60E-11	9.32E-11	1.19E-10	1.40E-11	4.32E-11	5.72E-11
9534	437241.5	3763613	1.674E-10	5.71E-10	7.38E-10	2.60E-11	9.32E-11	1.19E-10	1.40E-11	4.32E-11	5.73E-11
9535	437232.6	3763609	1.675E-10	5.71E-10	7.39E-10	2.60E-11	9.33E-11	1.19E-10	1.40E-11	4.33E-11	5.73E-11
9536	437223.8	3763605	1.676E-10	5.71E-10	7.39E-10	2.60E-11	9.33E-11	1.19E-10	1.40E-11	4.33E-11	5.73E-11
9537	437214.9	3763602	1.677E-10	5.72E-10	7.40E-10	2.61E-11	9.34E-11	1.19E-10	1.40E-11	4.33E-11	5.74E-11
9538	437206.1	3763598	1.68E-10	5.73E-10	7.41E-10	2.61E-11	9.36E-11	1.20E-10	1.41E-11	4.34E-11	5.75E-11
9539	437197.2	3763594	1.684E-10	5.74E-10	7.42E-10	2.62E-11	9.38E-11	1.20E-10	1.41E-11	4.35E-11	5.76E-11
9540	437188.4	3763591	1.689E-10	5.76E-10	7.45E-10	2.62E-11	9.41E-11	1.20E-10	1.41E-11	4.36E-11	5.78E-11
9541	437144.1	3763572	1.725E-10	5.88E-10	7.61E-10	2.68E-11	9.61E-11	1.23E-10	1.44E-11	4.46E-11	5.90E-11
9542	437135.2	3763569	1.731E-10	5.90E-10	7.63E-10	2.69E-11	9.64E-11	1.23E-10	1.45E-11	4.47E-11	5.92E-11
9543	437126.4	3763565	1.737E-10	5.92E-10	7.66E-10	2.70E-11	9.68E-11	1.24E-10	1.45E-11	4.49E-11	5.94E-11
9544	437117.5	3763561	1.744E-10	5.95E-10	7.69E-10	2.71E-11	9.72E-11	1.24E-10	1.46E-11	4.51E-11	5.97E-11
9545	437108.7	3763558	1.755E-10	5.98E-10	7.74E-10	2.73E-11	9.78E-11	1.25E-10	1.47E-11	4.53E-11	6.00E-11
9546	437099.8	3763554	1.768E-10	6.03E-10	7.80E-10	2.75E-11	9.85E-11	1.26E-10	1.48E-11	4.57E-11	6.05E-11
9547	437090.9	3763551	1.783E-10	6.08E-10	7.86E-10	2.77E-11	9.93E-11	1.27E-10	1.49E-11	4.61E-11	6.10E-11
9548	437082.1	3763547	1.8E-10	6.14E-10	7.94E-10	2.80E-11	1.00E-10	1.28E-10	1.51E-11	4.65E-11	6.16E-11
9549	437073.2	3763543	1.837E-10	6.26E-10	8.10E-10	2.85E-11	1.02E-10	1.31E-10	1.54E-11	4.75E-11	6.28E-11
9550	437064.4	3763540	1.849E-10	6.31E-10	8.16E-10	2.87E-11	1.03E-10	1.32E-10	1.55E-11	4.78E-11	6.33E-11
9551	437055.5	3763536	1.861E-10	6.34E-10	8.21E-10	2.89E-11	1.04E-10	1.33E-10	1.56E-11	4.81E-11	6.37E-11
9552	437046.7	3763532	1.873E-10	6.39E-10	8.26E-10	2.91E-11	1.04E-10	1.33E-10	1.57E-11	4.84E-11	6.41E-11
9553	437037.8	3763529	1.886E-10	6.43E-10	8.32E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.87E-11	6.45E-11
9554	437029	3763525	1.897E-10	6.47E-10	8.36E-10	2.95E-11	1.06E-10	1.35E-10	1.59E-11	4.90E-11	6.49E-11
9555	437020.1	3763521	1.907E-10	6.50E-10	8.41E-10	2.96E-11	1.06E-10	1.36E-10	1.60E-11	4.93E-11	6.53E-11
9556	437011.2	3763518	1.917E-10	6.54E-10	8.46E-10	2.98E-11	1.07E-10	1.37E-10	1.60E-11	4.95E-11	6.56E-11
9557	437002.4	3763514	1.927E-10	6.57E-10	8.50E-10	2.99E-11	1.07E-10	1.37E-10	1.61E-11	4.98E-11	6.59E-11
9558	436993.5	3763510	1.936E-10	6.60E-10	8.54E-10	3.01E-11	1.08E-10	1.38E-10	1.62E-11	5.00E-11	6.62E-11
9559	436984.7	3763507	1.946E-10	6.64E-10	8.58E-10	3.02E-11	1.08E-10	1.39E-10	1.63E-11	5.03E-11	6.66E-11
9560	436975.8	3763503	1.956E-10	6.67E-10	8.62E-10	3.04E-11	1.09E-10	1.39E-10	1.64E-11	5.05E-11	6.69E-11
9561	436967	3763499	1.964E-10	6.70E-10	8.66E-10	3.05E-11	1.09E-10	1.40E-10	1.64E-11	5.07E-11	6.72E-11
9562	436958.1	3763496	1.973E-10	6.73E-10	8.70E-10	3.07E-11	1.10E-10	1.41E-10	1.65E-11	5.10E-11	6.75E-11
9563	436949.3	3763492	1.982E-10	6.76E-10	8.74E-10	3.08E-11	1.10E-10	1.41E-10	1.66E-11	5.12E-11	6.78E-11
9564	436940.4	3763488	1.989E-10	6.78E-10	8.77E-10	3.09E-11	1.11E-10	1.42E-10	1.66E-11	5.14E-11	6.80E-11
9565	436931.5	3763485	1.996E-10	6.81E-10	8.80E-10	3.10E-11	1.11E-10	1.42E-10	1.67E-11	5.16E-11	6.83E-11
9566	436922.7	3763481	2.004E-10	6.83E-10	8.84E-10	3.11E-11	1.12E-10	1.43E-10	1.68E-11	5.18E-11	6.85E-11
9567	436913.8	3763477	2.012E-10	6.86E-10	8.87E-10	3.13E-11	1.12E-10	1.43E-10	1.68E-11	5.20E-11	6.88E-11
9568	436905	3763474	2.02E-10	6.89E-10	8.91E-10	3.14E-11	1.13E-10	1.44E-10	1.69E-11	5.22E-11	6.91E-11
9569	436896.1	3763470	2.028E-10	6.91E-10	8.94E-10	3.15E-11	1.13E-10	1.44E-10	1.70E-11	5.24E-11	6.94E-11
9570	436887.3	3763467	2.036E-10	6.94E-10	8.98E-10	3.16E-11	1.13E-10	1.45E-10	1.70E-11	5.26E-11	6.96E-11
9571	436878.4	3763463	2.043E-10	6.97E-10	9.01E-10	3.18E-11	1.14E-10	1.46E-10	1.71E-11	5.28E-11	6.99E-11
9572	436869.6	3763459	2.051E-10	6.99E-10	9.04E-10	3.19E-11	1.14E-10	1.46E-10	1.72E-11	5.30E-11	7.01E-11
9573	436860.7	3763456	2.057E-10	7.01E-10	9.07E-10	3.20E-11	1.15E-10	1.47E-10	1.72E-11	5.31E-11	7.04E-11

9574	436851.8	3763452	2.065E-10	7.04E-10	9.11E-10	3.21E-11	1.15E-10	1.47E-10	1.73E-11	5.33E-11	7.06E-11
9575	436843	3763448	2.071E-10	7.06E-10	9.13E-10	3.22E-11	1.15E-10	1.48E-10	1.73E-11	5.35E-11	7.09E-11
9576	436834.1	3763445	2.077E-10	7.08E-10	9.16E-10	3.23E-11	1.16E-10	1.48E-10	1.74E-11	5.37E-11	7.10E-11
9577	436825.3	3763441	2.083E-10	7.10E-10	9.19E-10	3.24E-11	1.16E-10	1.48E-10	1.74E-11	5.38E-11	7.13E-11
9578	436816.4	3763437	2.089E-10	7.12E-10	9.21E-10	3.25E-11	1.16E-10	1.49E-10	1.75E-11	5.40E-11	7.15E-11
9579	436807.6	3763434	2.094E-10	7.14E-10	9.24E-10	3.25E-11	1.17E-10	1.49E-10	1.75E-11	5.41E-11	7.16E-11
9580	436795	3763421	2.131E-10	7.27E-10	9.40E-10	3.31E-11	1.19E-10	1.52E-10	1.78E-11	5.51E-11	7.29E-11
9581	436791.4	3763412	2.163E-10	7.38E-10	9.54E-10	3.36E-11	1.21E-10	1.54E-10	1.81E-11	5.59E-11	7.40E-11
9582	436787.7	3763403	2.197E-10	7.49E-10	9.69E-10	3.41E-11	1.22E-10	1.56E-10	1.84E-11	5.68E-11	7.51E-11
9583	436784	3763395	2.231E-10	7.61E-10	9.84E-10	3.47E-11	1.24E-10	1.59E-10	1.87E-11	5.77E-11	7.63E-11
9584	436780.4	3763386	2.267E-10	7.73E-10	1.00E-09	3.52E-11	1.26E-10	1.61E-10	1.90E-11	5.86E-11	7.75E-11
9585	436740	3763288	2.683E-10	9.15E-10	1.18E-09	4.17E-11	1.49E-10	1.91E-10	2.25E-11	6.93E-11	9.18E-11
9586	436736.3	3763280	2.715E-10	9.26E-10	1.20E-09	4.22E-11	1.51E-10	1.93E-10	2.27E-11	7.02E-11	9.29E-11
9587	436732.6	3763271	2.748E-10	9.37E-10	1.21E-09	4.27E-11	1.53E-10	1.96E-10	2.30E-11	7.10E-11	9.40E-11
9588	436729	3763262	2.779E-10	9.48E-10	1.23E-09	4.32E-11	1.55E-10	1.98E-10	2.33E-11	7.18E-11	9.51E-11
9589	436725.3	3763253	2.812E-10	9.59E-10	1.24E-09	4.37E-11	1.57E-10	2.00E-10	2.35E-11	7.26E-11	9.62E-11
9590	436721.6	3763244	2.843E-10	9.70E-10	1.25E-09	4.42E-11	1.58E-10	2.03E-10	2.38E-11	7.35E-11	9.73E-11
9591	436718	3763235	2.873E-10	9.80E-10	1.27E-09	4.46E-11	1.60E-10	2.05E-10	2.40E-11	7.42E-11	9.83E-11
9592	436714.3	3763227	2.905E-10	9.91E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.51E-11	9.94E-11
9593	436710.6	3763218	2.942E-10	1.00E-09	1.30E-09	4.57E-11	1.64E-10	2.10E-10	2.46E-11	7.60E-11	1.01E-10
9594	436706.9	3763209	2.979E-10	1.02E-09	1.31E-09	4.63E-11	1.66E-10	2.12E-10	2.49E-11	7.70E-11	1.02E-10
9595	436703.3	3763200	3.017E-10	1.03E-09	1.33E-09	4.69E-11	1.68E-10	2.15E-10	2.53E-11	7.80E-11	1.03E-10
9596	436699.6	3763191	3.053E-10	1.04E-09	1.35E-09	4.74E-11	1.70E-10	2.18E-10	2.56E-11	7.89E-11	1.04E-10
9597	436695.9	3763182	3.087E-10	1.05E-09	1.36E-09	4.80E-11	1.72E-10	2.20E-10	2.58E-11	7.98E-11	1.06E-10
9598	436692.3	3763173	3.12E-10	1.06E-09	1.38E-09	4.85E-11	1.74E-10	2.22E-10	2.61E-11	8.06E-11	1.07E-10
9599	436688.6	3763165	3.147E-10	1.07E-09	1.39E-09	4.89E-11	1.75E-10	2.24E-10	2.63E-11	8.13E-11	1.08E-10
9600	436684.9	3763156	3.172E-10	1.08E-09	1.40E-09	4.93E-11	1.77E-10	2.26E-10	2.66E-11	8.20E-11	1.09E-10
9601	436681.3	3763147	3.197E-10	1.09E-09	1.41E-09	4.97E-11	1.78E-10	2.28E-10	2.68E-11	8.26E-11	1.09E-10
9602	436677.6	3763138	3.22E-10	1.10E-09	1.42E-09	5.00E-11	1.79E-10	2.29E-10	2.69E-11	8.32E-11	1.10E-10
9603	436673.9	3763129	3.242E-10	1.11E-09	1.43E-09	5.04E-11	1.81E-10	2.31E-10	2.71E-11	8.38E-11	1.11E-10
9604	436670.2	3763120	3.262E-10	1.11E-09	1.44E-09	5.07E-11	1.82E-10	2.32E-10	2.73E-11	8.43E-11	1.12E-10
9605	436666.6	3763111	3.282E-10	1.12E-09	1.45E-09	5.10E-11	1.83E-10	2.34E-10	2.75E-11	8.48E-11	1.12E-10
9606	436662.9	3763103	3.3E-10	1.13E-09	1.46E-09	5.13E-11	1.84E-10	2.35E-10	2.76E-11	8.53E-11	1.13E-10
9607	436659.2	3763094	3.316E-10	1.13E-09	1.46E-09	5.15E-11	1.85E-10	2.36E-10	2.78E-11	8.57E-11	1.13E-10
9608	436655.6	3763085	3.331E-10	1.14E-09	1.47E-09	5.18E-11	1.86E-10	2.37E-10	2.79E-11	8.61E-11	1.14E-10
9609	436651.9	3763076	3.344E-10	1.14E-09	1.47E-09	5.20E-11	1.86E-10	2.38E-10	2.80E-11	8.64E-11	1.14E-10
9610	436648.2	3763067	3.357E-10	1.14E-09	1.48E-09	5.22E-11	1.87E-10	2.39E-10	2.81E-11	8.67E-11	1.15E-10
9611	436644.6	3763058	3.368E-10	1.15E-09	1.49E-09	5.23E-11	1.88E-10	2.40E-10	2.82E-11	8.70E-11	1.15E-10
9612	436640.9	3763050	3.377E-10	1.15E-09	1.49E-09	5.25E-11	1.88E-10	2.41E-10	2.83E-11	8.73E-11	1.16E-10
9613	436637.2	3763041	3.385E-10	1.15E-09	1.49E-09	5.26E-11	1.89E-10	2.41E-10	2.83E-11	8.75E-11	1.16E-10
9614	436633.5	3763032	3.391E-10	1.16E-09	1.50E-09	5.27E-11	1.89E-10	2.42E-10	2.84E-11	8.76E-11	1.16E-10
9615	436629.9	3763023	3.397E-10	1.16E-09	1.50E-09	5.28E-11	1.89E-10	2.42E-10	2.84E-11	8.78E-11	1.16E-10
9616	436626.2	3763014	3.4E-10	1.16E-09	1.50E-09	5.28E-11	1.89E-10	2.42E-10	2.85E-11	8.79E-11	1.16E-10
9617	436622.5	3763005	3.402E-10	1.16E-09	1.50E-09	5.29E-11	1.90E-10	2.42E-10	2.85E-11	8.79E-11	1.16E-10
9618	436618.9	3762996	3.404E-10	1.16E-09	1.50E-09	5.29E-11	1.90E-10	2.43E-10	2.85E-11	8.80E-11	1.16E-10
9619	436615.2	3762988	3.403E-10	1.16E-09	1.50E-09	5.29E-11	1.90E-10	2.42E-10	2.85E-11	8.79E-11	1.16E-10
9620	436611.5	3762979	3.402E-10	1.16E-09	1.50E-09	5.29E-11	1.90E-10	2.42E-10	2.85E-11	8.79E-11	1.16E-10
9621	436607.8	3762970	3.4E-10	1.16E-09	1.50E-09	5.28E-11	1.89E-10	2.42E-10	2.85E-11	8.79E-11	1.16E-10
9622	436604.2	3762961	3.394E-10	1.16E-09	1.50E-09	5.27E-11	1.89E-10	2.42E-10	2.84E-11	8.77E-11	1.16E-10
9623	436600.5	3762952	3.39E-10	1.16E-09	1.49E-09	5.27E-11	1.89E-10	2.42E-10	2.84E-11	8.76E-11	1.16E-10
9624	436596.8	3762943	3.385E-10	1.15E-09	1.49E-09	5.26E-11	1.89E-10	2.41E-10	2.83E-11	8.75E-11	1.16E-10
9625	436593.2	3762935	3.38E-10	1.15E-09	1.49E-09	5.25E-11	1.88E-10	2.41E-10	2.83E-11	8.73E-11	1.16E-10
9626	436589.5	3762926	3.376E-10	1.15E-09	1.49E-09	5.24E-11	1.88E-10	2.40E-10	2.83E-11	8.72E-11	1.15E-10
9627	436585.8	3762917	3.371E-10	1.15E-09	1.49E-09	5.24E-11	1.88E-10	2.40E-10	2.82E-11	8.71E-11	1.15E-10
9628	437365.5	3763664	1.623E-10	5.53E-10	7.16E-10	2.52E-11	9.04E-11	1.16E-10	1.36E-11	4.19E-11	5.55E-11
9629	437375.1	3763664	1.63E-10	5.56E-10	7.19E-10	2.53E-11	9.08E-11	1.16E-10	1.36E-11	4.21E-11	5.57E-11
9630	437384.8	3763664	1.637E-10	5.58E-10	7.22E-10	2.54E-11	9.12E-11	1.17E-10	1.37E-11	4.23E-11	5.60E-11
9631	437394.4	3763664	1.645E-10	5.61E-10	7.25E-10	2.56E-11	9.16E-11	1.17E-10	1.38E-11	4.25E-11	5.63E-11
9632	437404.1	3763664	1.652E-10	5.63E-10	7.29E-10	2.57E-11	9.20E-11	1.18E-10	1.38E-11	4.27E-11	5.65E-11
9633	437413.7	3763664	1.661E-10	5.66E-10	7.32E-10	2.58E-11	9.25E-11	1.18E-10	1.39E-11	4.29E-11	5.68E-11
9634	437423.4	3763664	1.67E-10	5.69E-10	7.36E-10	2.59E-11	9.30E-11	1.19E-10	1.40E-11	4.32E-11	5.71E-11

9635	437433	3763664	1.679E-10	5.73E-10	7.41E-10	2.61E-11	9.35E-11	1.20E-10	1.41E-11	4.34E-11	5.74E-11
9636	437442.7	3763664	1.689E-10	5.76E-10	7.45E-10	2.62E-11	9.41E-11	1.20E-10	1.41E-11	4.36E-11	5.78E-11
9637	437452.3	3763664	1.699E-10	5.79E-10	7.49E-10	2.64E-11	9.47E-11	1.21E-10	1.42E-11	4.39E-11	5.81E-11
9638	437462	3763664	1.709E-10	5.83E-10	7.54E-10	2.66E-11	9.52E-11	1.22E-10	1.43E-11	4.42E-11	5.85E-11
9639	437471.6	3763664	1.72E-10	5.86E-10	7.58E-10	2.67E-11	9.58E-11	1.23E-10	1.44E-11	4.44E-11	5.88E-11
9640	437481.3	3763664	1.73E-10	5.90E-10	7.63E-10	2.69E-11	9.64E-11	1.23E-10	1.45E-11	4.47E-11	5.92E-11
9641	437490.9	3763663	1.742E-10	5.94E-10	7.68E-10	2.71E-11	9.70E-11	1.24E-10	1.46E-11	4.50E-11	5.96E-11
9642	437500.6	3763663	1.749E-10	5.97E-10	7.71E-10	2.72E-11	9.75E-11	1.25E-10	1.46E-11	4.52E-11	5.98E-11
9643	437510.2	3763663	1.757E-10	5.99E-10	7.75E-10	2.73E-11	9.79E-11	1.25E-10	1.47E-11	4.54E-11	6.01E-11
9644	437519.9	3763663	1.765E-10	6.02E-10	7.78E-10	2.74E-11	9.83E-11	1.26E-10	1.48E-11	4.56E-11	6.04E-11
9645	437529.5	3763663	1.774E-10	6.05E-10	7.82E-10	2.76E-11	9.88E-11	1.26E-10	1.48E-11	4.58E-11	6.07E-11
9646	437539.2	3763663	1.781E-10	6.07E-10	7.86E-10	2.77E-11	9.92E-11	1.27E-10	1.49E-11	4.60E-11	6.09E-11
9647	437548.8	3763663	1.79E-10	6.10E-10	7.89E-10	2.78E-11	9.97E-11	1.28E-10	1.50E-11	4.62E-11	6.12E-11
9648	437356.7	3763700	1.508E-10	5.14E-10	6.65E-10	2.34E-11	8.40E-11	1.07E-10	1.26E-11	3.90E-11	5.16E-11
9649	437347.8	3763696	1.512E-10	5.16E-10	6.67E-10	2.35E-11	8.42E-11	1.08E-10	1.27E-11	3.91E-11	5.17E-11
9650	437338.9	3763693	1.516E-10	5.17E-10	6.68E-10	2.35E-11	8.44E-11	1.08E-10	1.27E-11	3.92E-11	5.18E-11
9651	437285.6	3763671	1.531E-10	5.22E-10	6.75E-10	2.38E-11	8.53E-11	1.09E-10	1.28E-11	3.96E-11	5.24E-11
9652	437276.7	3763667	1.535E-10	5.23E-10	6.77E-10	2.38E-11	8.55E-11	1.09E-10	1.28E-11	3.97E-11	5.25E-11
9653	437267.8	3763663	1.539E-10	5.25E-10	6.79E-10	2.39E-11	8.57E-11	1.10E-10	1.29E-11	3.98E-11	5.26E-11
9654	437259	3763660	1.543E-10	5.26E-10	6.81E-10	2.40E-11	8.60E-11	1.10E-10	1.29E-11	3.99E-11	5.28E-11
9655	437250.1	3763656	1.548E-10	5.28E-10	6.83E-10	2.41E-11	8.62E-11	1.10E-10	1.30E-11	4.00E-11	5.30E-11
9656	437241.2	3763652	1.55E-10	5.29E-10	6.84E-10	2.41E-11	8.64E-11	1.10E-10	1.30E-11	4.01E-11	5.30E-11
9657	437232.3	3763649	1.552E-10	5.29E-10	6.85E-10	2.41E-11	8.65E-11	1.11E-10	1.30E-11	4.01E-11	5.31E-11
9658	437223.4	3763645	1.554E-10	5.30E-10	6.85E-10	2.41E-11	8.66E-11	1.11E-10	1.30E-11	4.01E-11	5.32E-11
9659	437214.6	3763641	1.555E-10	5.30E-10	6.86E-10	2.42E-11	8.66E-11	1.11E-10	1.30E-11	4.02E-11	5.32E-11
9660	437205.7	3763638	1.557E-10	5.31E-10	6.86E-10	2.42E-11	8.67E-11	1.11E-10	1.30E-11	4.02E-11	5.33E-11
9661	437196.8	3763634	1.558E-10	5.31E-10	6.87E-10	2.42E-11	8.68E-11	1.11E-10	1.30E-11	4.03E-11	5.33E-11
9662	437187.9	3763630	1.561E-10	5.32E-10	6.88E-10	2.43E-11	8.70E-11	1.11E-10	1.31E-11	4.03E-11	5.34E-11
9663	437116.8	3763601	1.625E-10	5.54E-10	7.17E-10	2.53E-11	9.05E-11	1.16E-10	1.36E-11	4.20E-11	5.56E-11
9664	437108	3763598	1.63E-10	5.56E-10	7.19E-10	2.53E-11	9.08E-11	1.16E-10	1.36E-11	4.21E-11	5.57E-11
9665	437099.1	3763594	1.635E-10	5.57E-10	7.21E-10	2.54E-11	9.11E-11	1.16E-10	1.37E-11	4.22E-11	5.59E-11
9666	437090.2	3763590	1.644E-10	5.61E-10	7.25E-10	2.55E-11	9.16E-11	1.17E-10	1.38E-11	4.25E-11	5.62E-11
9667	437081.3	3763587	1.655E-10	5.64E-10	7.30E-10	2.57E-11	9.22E-11	1.18E-10	1.39E-11	4.28E-11	5.66E-11
9668	437072.4	3763583	1.685E-10	5.75E-10	7.43E-10	2.62E-11	9.39E-11	1.20E-10	1.41E-11	4.35E-11	5.76E-11
9669	437063.6	3763579	1.694E-10	5.78E-10	7.47E-10	2.63E-11	9.44E-11	1.21E-10	1.42E-11	4.38E-11	5.80E-11
9670	437054.7	3763576	1.703E-10	5.81E-10	7.51E-10	2.65E-11	9.49E-11	1.21E-10	1.43E-11	4.40E-11	5.83E-11
9671	437045.8	3763572	1.712E-10	5.84E-10	7.55E-10	2.66E-11	9.54E-11	1.22E-10	1.43E-11	4.42E-11	5.86E-11
9672	437036.9	3763568	1.721E-10	5.87E-10	7.59E-10	2.67E-11	9.59E-11	1.23E-10	1.44E-11	4.45E-11	5.89E-11
9673	437028	3763565	1.732E-10	5.91E-10	7.64E-10	2.69E-11	9.65E-11	1.23E-10	1.45E-11	4.47E-11	5.92E-11
9674	437019.1	3763561	1.743E-10	5.94E-10	7.69E-10	2.71E-11	9.71E-11	1.24E-10	1.46E-11	4.50E-11	5.96E-11
9675	437010.3	3763557	1.755E-10	5.98E-10	7.74E-10	2.73E-11	9.78E-11	1.25E-10	1.47E-11	4.53E-11	6.00E-11
9676	437001.4	3763554	1.765E-10	6.02E-10	7.78E-10	2.74E-11	9.83E-11	1.26E-10	1.48E-11	4.56E-11	6.04E-11
9677	436992.5	3763550	1.775E-10	6.05E-10	7.83E-10	2.76E-11	9.89E-11	1.26E-10	1.49E-11	4.59E-11	6.07E-11
9678	436983.6	3763546	1.784E-10	6.08E-10	7.87E-10	2.77E-11	9.94E-11	1.27E-10	1.49E-11	4.61E-11	6.10E-11
9679	436974.7	3763543	1.793E-10	6.12E-10	7.91E-10	2.79E-11	9.99E-11	1.28E-10	1.50E-11	4.63E-11	6.13E-11
9680	436965.9	3763539	1.801E-10	6.14E-10	7.94E-10	2.80E-11	1.00E-10	1.28E-10	1.51E-11	4.65E-11	6.16E-11
9681	436957	3763535	1.808E-10	6.17E-10	7.97E-10	2.81E-11	1.01E-10	1.29E-10	1.51E-11	4.67E-11	6.19E-11
9682	436948.1	3763532	1.815E-10	6.19E-10	8.01E-10	2.82E-11	1.01E-10	1.29E-10	1.52E-11	4.69E-11	6.21E-11
9683	436939.2	3763528	1.821E-10	6.21E-10	8.03E-10	2.83E-11	1.01E-10	1.30E-10	1.52E-11	4.71E-11	6.23E-11
9684	436930.3	3763524	1.827E-10	6.23E-10	8.06E-10	2.84E-11	1.02E-10	1.30E-10	1.53E-11	4.72E-11	6.25E-11
9685	436921.4	3763521	1.833E-10	6.25E-10	8.08E-10	2.85E-11	1.02E-10	1.31E-10	1.53E-11	4.74E-11	6.27E-11
9686	436912.6	3763517	1.839E-10	6.27E-10	8.11E-10	2.86E-11	1.02E-10	1.31E-10	1.54E-11	4.75E-11	6.29E-11
9687	436903.7	3763513	1.846E-10	6.29E-10	8.14E-10	2.87E-11	1.03E-10	1.32E-10	1.54E-11	4.77E-11	6.31E-11
9688	436894.8	3763510	1.851E-10	6.31E-10	8.16E-10	2.88E-11	1.03E-10	1.32E-10	1.55E-11	4.78E-11	6.33E-11
9689	436885.9	3763506	1.86E-10	6.34E-10	8.20E-10	2.89E-11	1.04E-10	1.33E-10	1.56E-11	4.81E-11	6.36E-11
9690	436877	3763502	1.869E-10	6.37E-10	8.24E-10	2.90E-11	1.04E-10	1.33E-10	1.56E-11	4.83E-11	6.39E-11
9691	436868.2	3763499	1.878E-10	6.41E-10	8.28E-10	2.92E-11	1.05E-10	1.34E-10	1.57E-11	4.85E-11	6.43E-11
9692	436859.3	3763495	1.885E-10	6.43E-10	8.31E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.87E-11	6.45E-11
9693	436850.4	3763491	1.892E-10	6.45E-10	8.34E-10	2.94E-11	1.05E-10	1.35E-10	1.58E-11	4.89E-11	6.47E-11
9694	436841.5	3763488	1.899E-10	6.48E-10	8.37E-10	2.95E-11	1.06E-10	1.35E-10	1.59E-11	4.91E-11	6.50E-11
9695	436832.6	3763484	1.905E-10	6.50E-10	8.40E-10	2.96E-11	1.06E-10	1.36E-10	1.59E-11	4.92E-11	6.52E-11

9696	436823.7	3763480	1.912E-10	6.52E-10	8.43E-10	2.97E-11	1.07E-10	1.36E-10	1.60E-11	4.94E-11	6.54E-11
9697	436814.9	3763477	1.92E-10	6.55E-10	8.47E-10	2.98E-11	1.07E-10	1.37E-10	1.61E-11	4.96E-11	6.57E-11
9698	436806	3763473	1.928E-10	6.57E-10	8.50E-10	3.00E-11	1.07E-10	1.37E-10	1.61E-11	4.98E-11	6.60E-11
9699	436797.1	3763469	1.935E-10	6.60E-10	8.53E-10	3.01E-11	1.08E-10	1.38E-10	1.62E-11	5.00E-11	6.62E-11
9700	436788.2	3763466	1.939E-10	6.61E-10	8.55E-10	3.01E-11	1.08E-10	1.38E-10	1.62E-11	5.01E-11	6.63E-11
9701	436779.3	3763462	1.942E-10	6.62E-10	8.56E-10	3.02E-11	1.08E-10	1.38E-10	1.63E-11	5.02E-11	6.64E-11
9702	436744.7	3763396	2.158E-10	7.36E-10	9.51E-10	3.35E-11	1.20E-10	1.54E-10	1.81E-11	5.57E-11	7.38E-11
9703	436741	3763387	2.19E-10	7.47E-10	9.66E-10	3.40E-11	1.22E-10	1.56E-10	1.83E-11	5.66E-11	7.49E-11
9704	436737.3	3763378	2.223E-10	7.58E-10	9.80E-10	3.45E-11	1.24E-10	1.58E-10	1.86E-11	5.74E-11	7.60E-11
9705	436733.6	3763370	2.255E-10	7.69E-10	9.95E-10	3.50E-11	1.26E-10	1.61E-10	1.89E-11	5.83E-11	7.72E-11
9706	436730	3763361	2.288E-10	7.80E-10	1.01E-09	3.55E-11	1.27E-10	1.63E-10	1.92E-11	5.91E-11	7.83E-11
9707	436726.3	3763352	2.321E-10	7.91E-10	1.02E-09	3.61E-11	1.29E-10	1.65E-10	1.94E-11	6.00E-11	7.94E-11
9708	436722.6	3763343	2.353E-10	8.02E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.08E-11	8.05E-11
9709	436718.9	3763334	2.386E-10	8.14E-10	1.05E-09	3.71E-11	1.33E-10	1.70E-10	2.00E-11	6.16E-11	8.16E-11
9710	436715.2	3763325	2.418E-10	8.25E-10	1.07E-09	3.76E-11	1.35E-10	1.72E-10	2.02E-11	6.25E-11	8.27E-11
9711	436711.6	3763316	2.452E-10	8.36E-10	1.08E-09	3.81E-11	1.37E-10	1.75E-10	2.05E-11	6.33E-11	8.39E-11
9712	436707.9	3763307	2.485E-10	8.47E-10	1.10E-09	3.86E-11	1.38E-10	1.77E-10	2.08E-11	6.42E-11	8.50E-11
9713	436704.2	3763299	2.517E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.61E-11
9714	436700.5	3763290	2.548E-10	8.69E-10	1.12E-09	3.96E-11	1.42E-10	1.82E-10	2.13E-11	6.58E-11	8.72E-11
9715	436696.8	3763281	2.575E-10	8.78E-10	1.14E-09	4.00E-11	1.43E-10	1.83E-10	2.16E-11	6.65E-11	8.81E-11
9716	436693.1	3763272	2.602E-10	8.87E-10	1.15E-09	4.04E-11	1.45E-10	1.85E-10	2.18E-11	6.72E-11	8.90E-11
9717	436689.5	3763263	2.629E-10	8.96E-10	1.16E-09	4.08E-11	1.46E-10	1.87E-10	2.20E-11	6.79E-11	8.99E-11
9718	436685.8	3763254	2.656E-10	9.06E-10	1.17E-09	4.13E-11	1.48E-10	1.89E-10	2.22E-11	6.86E-11	9.09E-11
9719	436682.1	3763245	2.683E-10	9.15E-10	1.18E-09	4.17E-11	1.49E-10	1.91E-10	2.25E-11	6.93E-11	9.18E-11
9720	436678.4	3763236	2.711E-10	9.24E-10	1.20E-09	4.21E-11	1.51E-10	1.93E-10	2.27E-11	7.00E-11	9.27E-11
9721	436674.7	3763228	2.74E-10	9.34E-10	1.21E-09	4.26E-11	1.53E-10	1.95E-10	2.29E-11	7.08E-11	9.37E-11
9722	436671.1	3763219	2.772E-10	9.45E-10	1.22E-09	4.31E-11	1.54E-10	1.97E-10	2.32E-11	7.16E-11	9.48E-11
9723	436667.4	3763210	2.804E-10	9.56E-10	1.24E-09	4.36E-11	1.56E-10	2.00E-10	2.35E-11	7.24E-11	9.59E-11
9724	436663.7	3763201	2.836E-10	9.67E-10	1.25E-09	4.41E-11	1.58E-10	2.02E-10	2.37E-11	7.33E-11	9.70E-11
9725	436660	3763192	2.864E-10	9.77E-10	1.26E-09	4.45E-11	1.60E-10	2.04E-10	2.40E-11	7.40E-11	9.80E-11
9726	436656.3	3763183	2.891E-10	9.86E-10	1.27E-09	4.49E-11	1.61E-10	2.06E-10	2.42E-11	7.47E-11	9.89E-11
9727	436652.6	3763174	2.917E-10	9.95E-10	1.29E-09	4.53E-11	1.63E-10	2.08E-10	2.44E-11	7.54E-11	9.98E-11
9728	436649	3763165	2.94E-10	1.00E-09	1.30E-09	4.57E-11	1.64E-10	2.09E-10	2.46E-11	7.60E-11	1.01E-10
9729	436645.3	3763157	2.96E-10	1.01E-09	1.31E-09	4.60E-11	1.65E-10	2.11E-10	2.48E-11	7.65E-11	1.01E-10
9730	436641.6	3763148	2.98E-10	1.02E-09	1.31E-09	4.63E-11	1.66E-10	2.12E-10	2.49E-11	7.70E-11	1.02E-10
9731	436637.9	3763139	2.999E-10	1.02E-09	1.32E-09	4.66E-11	1.67E-10	2.14E-10	2.51E-11	7.75E-11	1.03E-10
9732	436634.2	3763130	3.014E-10	1.03E-09	1.33E-09	4.68E-11	1.68E-10	2.15E-10	2.52E-11	7.79E-11	1.03E-10
9733	436630.6	3763121	3.028E-10	1.03E-09	1.34E-09	4.70E-11	1.69E-10	2.16E-10	2.53E-11	7.82E-11	1.04E-10
9734	436626.9	3763112	3.038E-10	1.04E-09	1.34E-09	4.72E-11	1.69E-10	2.16E-10	2.54E-11	7.85E-11	1.04E-10
9735	436623.2	3763103	3.05E-10	1.04E-09	1.35E-09	4.74E-11	1.70E-10	2.17E-10	2.55E-11	7.88E-11	1.04E-10
9736	436619.5	3763094	3.061E-10	1.04E-09	1.35E-09	4.76E-11	1.71E-10	2.18E-10	2.56E-11	7.91E-11	1.05E-10
9737	436615.8	3763086	3.072E-10	1.05E-09	1.35E-09	4.77E-11	1.71E-10	2.19E-10	2.57E-11	7.94E-11	1.05E-10
9738	436612.2	3763077	3.085E-10	1.05E-09	1.36E-09	4.79E-11	1.72E-10	2.20E-10	2.58E-11	7.97E-11	1.06E-10
9739	436608.5	3763068	3.102E-10	1.06E-09	1.37E-09	4.82E-11	1.73E-10	2.21E-10	2.60E-11	8.02E-11	1.06E-10
9740	436604.8	3763059	3.116E-10	1.06E-09	1.37E-09	4.84E-11	1.74E-10	2.22E-10	2.61E-11	8.05E-11	1.07E-10
9741	436601.1	3763050	3.123E-10	1.06E-09	1.38E-09	4.85E-11	1.74E-10	2.22E-10	2.61E-11	8.07E-11	1.07E-10
9742	436597.4	3763041	3.128E-10	1.07E-09	1.38E-09	4.86E-11	1.74E-10	2.23E-10	2.62E-11	8.08E-11	1.07E-10
9743	436593.7	3763032	3.132E-10	1.07E-09	1.38E-09	4.87E-11	1.74E-10	2.23E-10	2.62E-11	8.09E-11	1.07E-10
9744	436590.1	3763023	3.135E-10	1.07E-09	1.38E-09	4.87E-11	1.75E-10	2.23E-10	2.62E-11	8.10E-11	1.07E-10
9745	436586.4	3763015	3.137E-10	1.07E-09	1.38E-09	4.87E-11	1.75E-10	2.23E-10	2.63E-11	8.10E-11	1.07E-10
9746	436582.7	3763006	3.138E-10	1.07E-09	1.38E-09	4.88E-11	1.75E-10	2.24E-10	2.63E-11	8.11E-11	1.07E-10
9747	436579	3762997	3.138E-10	1.07E-09	1.38E-09	4.88E-11	1.75E-10	2.24E-10	2.63E-11	8.11E-11	1.07E-10
9748	436575.3	3762988	3.137E-10	1.07E-09	1.38E-09	4.87E-11	1.75E-10	2.24E-10	2.63E-11	8.11E-11	1.07E-10
9749	436571.7	3762979	3.135E-10	1.07E-09	1.38E-09	4.87E-11	1.75E-10	2.23E-10	2.62E-11	8.10E-11	1.07E-10
9750	436568	3762970	3.133E-10	1.07E-09	1.38E-09	4.87E-11	1.75E-10	2.23E-10	2.62E-11	8.09E-11	1.07E-10
9751	436564.3	3762961	3.13E-10	1.07E-09	1.38E-09	4.86E-11	1.74E-10	2.23E-10	2.62E-11	8.09E-11	1.07E-10
9752	436560.6	3762952	3.125E-10	1.07E-09	1.38E-09	4.86E-11	1.74E-10	2.23E-10	2.62E-11	8.08E-11	1.07E-10
9753	436556.9	3762944	3.12E-10	1.06E-09	1.38E-09	4.85E-11	1.74E-10	2.22E-10	2.61E-11	8.06E-11	1.07E-10
9754	436553.3	3762935	3.116E-10	1.06E-09	1.37E-09	4.84E-11	1.74E-10	2.22E-10	2.61E-11	8.05E-11	1.07E-10
9755	436549.6	3762926	3.109E-10	1.06E-09	1.37E-09	4.83E-11	1.73E-10	2.22E-10	2.60E-11	8.03E-11	1.06E-10
9756	436545.9	3762917	3.103E-10	1.06E-09	1.37E-09	4.82E-11	1.73E-10	2.21E-10	2.60E-11	8.02E-11	1.06E-10

9757	437365.5	3763704	1.504E-10	5.13E-10	6.63E-10	2.34E-11	8.38E-11	1.07E-10	1.26E-11	3.89E-11	5.15E-11
9758	437375.2	3763704	1.511E-10	5.15E-10	6.66E-10	2.35E-11	8.42E-11	1.08E-10	1.26E-11	3.90E-11	5.17E-11
9759	437384.8	3763704	1.518E-10	5.18E-10	6.69E-10	2.36E-11	8.45E-11	1.08E-10	1.27E-11	3.92E-11	5.19E-11
9760	437394.5	3763704	1.525E-10	5.20E-10	6.72E-10	2.37E-11	8.49E-11	1.09E-10	1.28E-11	3.94E-11	5.22E-11
9761	437404.1	3763704	1.531E-10	5.22E-10	6.75E-10	2.38E-11	8.53E-11	1.09E-10	1.28E-11	3.96E-11	5.24E-11
9762	437413.8	3763704	1.538E-10	5.24E-10	6.78E-10	2.39E-11	8.57E-11	1.10E-10	1.29E-11	3.97E-11	5.26E-11
9763	437423.4	3763704	1.543E-10	5.26E-10	6.81E-10	2.40E-11	8.60E-11	1.10E-10	1.29E-11	3.99E-11	5.28E-11
9764	437433.1	3763704	1.549E-10	5.28E-10	6.83E-10	2.41E-11	8.63E-11	1.10E-10	1.30E-11	4.00E-11	5.30E-11
9765	437442.8	3763704	1.556E-10	5.31E-10	6.86E-10	2.42E-11	8.67E-11	1.11E-10	1.30E-11	4.02E-11	5.32E-11
9766	437452.4	3763704	1.563E-10	5.33E-10	6.89E-10	2.43E-11	8.71E-11	1.11E-10	1.31E-11	4.04E-11	5.35E-11
9767	437462.1	3763704	1.569E-10	5.35E-10	6.92E-10	2.44E-11	8.74E-11	1.12E-10	1.31E-11	4.06E-11	5.37E-11
9768	437471.7	3763704	1.577E-10	5.38E-10	6.95E-10	2.45E-11	8.78E-11	1.12E-10	1.32E-11	4.07E-11	5.39E-11
9769	437481.4	3763704	1.584E-10	5.40E-10	6.99E-10	2.46E-11	8.83E-11	1.13E-10	1.33E-11	4.09E-11	5.42E-11
9770	437491	3763703	1.591E-10	5.43E-10	7.02E-10	2.47E-11	8.87E-11	1.13E-10	1.33E-11	4.11E-11	5.44E-11
9771	437500.7	3763703	1.602E-10	5.46E-10	7.06E-10	2.49E-11	8.92E-11	1.14E-10	1.34E-11	4.14E-11	5.48E-11
9772	437510.3	3763703	1.612E-10	5.50E-10	7.11E-10	2.50E-11	8.98E-11	1.15E-10	1.35E-11	4.17E-11	5.51E-11
9773	437520	3763703	1.623E-10	5.54E-10	7.16E-10	2.52E-11	9.04E-11	1.16E-10	1.36E-11	4.19E-11	5.55E-11
9774	437529.6	3763703	1.632E-10	5.56E-10	7.20E-10	2.54E-11	9.09E-11	1.16E-10	1.37E-11	4.22E-11	5.58E-11
9775	437539.3	3763703	1.64E-10	5.59E-10	7.23E-10	2.55E-11	9.13E-11	1.17E-10	1.37E-11	4.24E-11	5.61E-11
9776	437548.9	3763703	1.648E-10	5.62E-10	7.27E-10	2.56E-11	9.18E-11	1.17E-10	1.38E-11	4.26E-11	5.64E-11
9777	437356.7	3763740	1.405E-10	4.79E-10	6.20E-10	2.18E-11	7.83E-11	1.00E-10	1.18E-11	3.63E-11	4.81E-11
9778	437347.8	3763736	1.408E-10	4.80E-10	6.21E-10	2.19E-11	7.84E-11	1.00E-10	1.18E-11	3.64E-11	4.82E-11
9779	437338.9	3763733	1.411E-10	4.81E-10	6.22E-10	2.19E-11	7.86E-11	1.01E-10	1.18E-11	3.65E-11	4.83E-11
9780	437330	3763729	1.413E-10	4.82E-10	6.23E-10	2.20E-11	7.87E-11	1.01E-10	1.18E-11	3.65E-11	4.83E-11
9781	437321.1	3763725	1.415E-10	4.83E-10	6.24E-10	2.20E-11	7.88E-11	1.01E-10	1.18E-11	3.66E-11	4.84E-11
9782	437312.2	3763722	1.417E-10	4.83E-10	6.25E-10	2.20E-11	7.89E-11	1.01E-10	1.19E-11	3.66E-11	4.85E-11
9783	437303.3	3763718	1.419E-10	4.84E-10	6.26E-10	2.21E-11	7.91E-11	1.01E-10	1.19E-11	3.67E-11	4.86E-11
9784	437294.4	3763714	1.421E-10	4.84E-10	6.26E-10	2.21E-11	7.91E-11	1.01E-10	1.19E-11	3.67E-11	4.86E-11
9785	437285.5	3763711	1.423E-10	4.85E-10	6.27E-10	2.21E-11	7.93E-11	1.01E-10	1.19E-11	3.68E-11	4.87E-11
9786	437276.6	3763707	1.425E-10	4.86E-10	6.28E-10	2.21E-11	7.94E-11	1.02E-10	1.19E-11	3.68E-11	4.87E-11
9787	437267.7	3763703	1.427E-10	4.87E-10	6.29E-10	2.22E-11	7.95E-11	1.02E-10	1.19E-11	3.69E-11	4.88E-11
9788	437258.8	3763700	1.429E-10	4.87E-10	6.30E-10	2.22E-11	7.96E-11	1.02E-10	1.20E-11	3.69E-11	4.89E-11
9789	437249.8	3763696	1.432E-10	4.88E-10	6.31E-10	2.23E-11	7.98E-11	1.02E-10	1.20E-11	3.70E-11	4.90E-11
9790	437240.9	3763692	1.436E-10	4.90E-10	6.33E-10	2.23E-11	8.00E-11	1.02E-10	1.20E-11	3.71E-11	4.91E-11
9791	437143	3763652	1.477E-10	5.04E-10	6.51E-10	2.30E-11	8.23E-11	1.05E-10	1.24E-11	3.82E-11	5.05E-11
9792	437134.1	3763648	1.485E-10	5.06E-10	6.55E-10	2.31E-11	8.27E-11	1.06E-10	1.24E-11	3.84E-11	5.08E-11
9793	437125.2	3763645	1.492E-10	5.09E-10	6.58E-10	2.32E-11	8.31E-11	1.06E-10	1.25E-11	3.86E-11	5.10E-11
9794	437116.3	3763641	1.499E-10	5.11E-10	6.61E-10	2.33E-11	8.35E-11	1.07E-10	1.25E-11	3.87E-11	5.13E-11
9795	437107.3	3763637	1.506E-10	5.13E-10	6.64E-10	2.34E-11	8.39E-11	1.07E-10	1.26E-11	3.89E-11	5.15E-11
9796	437098.4	3763634	1.513E-10	5.16E-10	6.67E-10	2.35E-11	8.43E-11	1.08E-10	1.27E-11	3.91E-11	5.17E-11
9797	437089.5	3763630	1.521E-10	5.19E-10	6.71E-10	2.36E-11	8.47E-11	1.08E-10	1.27E-11	3.93E-11	5.20E-11
9798	437027.2	3763604	1.573E-10	5.36E-10	6.94E-10	2.44E-11	8.76E-11	1.12E-10	1.32E-11	4.06E-11	5.38E-11
9799	437018.3	3763601	1.582E-10	5.39E-10	6.97E-10	2.46E-11	8.81E-11	1.13E-10	1.32E-11	4.09E-11	5.41E-11
9800	437009.4	3763597	1.589E-10	5.42E-10	7.01E-10	2.47E-11	8.85E-11	1.13E-10	1.33E-11	4.10E-11	5.43E-11
9801	437000.5	3763593	1.599E-10	5.45E-10	7.05E-10	2.48E-11	8.91E-11	1.14E-10	1.34E-11	4.13E-11	5.47E-11
9802	436991.6	3763589	1.611E-10	5.49E-10	7.10E-10	2.50E-11	8.97E-11	1.15E-10	1.35E-11	4.16E-11	5.51E-11
9803	436982.7	3763586	1.634E-10	5.57E-10	7.21E-10	2.54E-11	9.10E-11	1.16E-10	1.37E-11	4.22E-11	5.59E-11
9804	436973.8	3763582	1.643E-10	5.60E-10	7.25E-10	2.55E-11	9.15E-11	1.17E-10	1.38E-11	4.25E-11	5.62E-11
9805	436964.9	3763578	1.652E-10	5.63E-10	7.28E-10	2.57E-11	9.20E-11	1.18E-10	1.38E-11	4.27E-11	5.65E-11
9806	436955.9	3763575	1.66E-10	5.66E-10	7.32E-10	2.58E-11	9.25E-11	1.18E-10	1.39E-11	4.29E-11	5.68E-11
9807	436947	3763571	1.668E-10	5.69E-10	7.36E-10	2.59E-11	9.29E-11	1.19E-10	1.40E-11	4.31E-11	5.71E-11
9808	436938.1	3763567	1.675E-10	5.71E-10	7.39E-10	2.60E-11	9.33E-11	1.19E-10	1.40E-11	4.33E-11	5.73E-11
9809	436929.2	3763564	1.681E-10	5.73E-10	7.41E-10	2.61E-11	9.37E-11	1.20E-10	1.41E-11	4.34E-11	5.75E-11
9810	436920.3	3763560	1.688E-10	5.76E-10	7.44E-10	2.62E-11	9.40E-11	1.20E-10	1.41E-11	4.36E-11	5.77E-11
9811	436911.4	3763556	1.69E-10	5.76E-10	7.45E-10	2.63E-11	9.41E-11	1.20E-10	1.41E-11	4.37E-11	5.78E-11
9812	436902.5	3763553	1.696E-10	5.78E-10	7.48E-10	2.64E-11	9.45E-11	1.21E-10	1.42E-11	4.38E-11	5.80E-11
9813	436893.6	3763549	1.702E-10	5.80E-10	7.51E-10	2.64E-11	9.48E-11	1.21E-10	1.42E-11	4.40E-11	5.82E-11
9814	436884.7	3763545	1.708E-10	5.83E-10	7.53E-10	2.65E-11	9.52E-11	1.22E-10	1.43E-11	4.41E-11	5.84E-11
9815	436875.8	3763542	1.715E-10	5.85E-10	7.56E-10	2.66E-11	9.55E-11	1.22E-10	1.44E-11	4.43E-11	5.87E-11
9816	436866.9	3763538	1.722E-10	5.87E-10	7.59E-10	2.68E-11	9.59E-11	1.23E-10	1.44E-11	4.45E-11	5.89E-11
9817	436858	3763534	1.727E-10	5.89E-10	7.62E-10	2.68E-11	9.62E-11	1.23E-10	1.45E-11	4.46E-11	5.91E-11

9818	436849.1	3763531	1.732E-10	5.91E-10	7.64E-10	2.69E-11	9.65E-11	1.23E-10	1.45E-11	4.47E-11	5.92E-11
9819	436840.2	3763527	1.737E-10	5.92E-10	7.66E-10	2.70E-11	9.67E-11	1.24E-10	1.45E-11	4.49E-11	5.94E-11
9820	436831.3	3763523	1.742E-10	5.94E-10	7.68E-10	2.71E-11	9.71E-11	1.24E-10	1.46E-11	4.50E-11	5.96E-11
9821	436822.4	3763520	1.748E-10	5.96E-10	7.71E-10	2.72E-11	9.74E-11	1.25E-10	1.46E-11	4.52E-11	5.98E-11
9822	436813.4	3763516	1.754E-10	5.98E-10	7.73E-10	2.72E-11	9.77E-11	1.25E-10	1.47E-11	4.53E-11	6.00E-11
9823	436804.5	3763512	1.76E-10	6.00E-10	7.76E-10	2.73E-11	9.80E-11	1.25E-10	1.47E-11	4.55E-11	6.02E-11
9824	436795.6	3763509	1.768E-10	6.03E-10	7.80E-10	2.75E-11	9.85E-11	1.26E-10	1.48E-11	4.57E-11	6.05E-11
9825	436786.7	3763505	1.775E-10	6.05E-10	7.83E-10	2.76E-11	9.89E-11	1.26E-10	1.49E-11	4.59E-11	6.07E-11
9826	436777.8	3763501	1.781E-10	6.07E-10	7.86E-10	2.77E-11	9.92E-11	1.27E-10	1.49E-11	4.60E-11	6.09E-11
9827	436738.5	3763478	1.827E-10	6.23E-10	8.06E-10	2.84E-11	1.02E-10	1.30E-10	1.53E-11	4.72E-11	6.25E-11
9828	436734.8	3763469	1.856E-10	6.33E-10	8.18E-10	2.88E-11	1.03E-10	1.32E-10	1.55E-11	4.79E-11	6.35E-11
9829	436731.1	3763460	1.883E-10	6.42E-10	8.30E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.86E-11	6.44E-11
9830	436727.4	3763451	1.911E-10	6.52E-10	8.43E-10	2.97E-11	1.06E-10	1.36E-10	1.60E-11	4.94E-11	6.54E-11
9831	436723.7	3763442	1.94E-10	6.62E-10	8.56E-10	3.01E-11	1.08E-10	1.38E-10	1.62E-11	5.01E-11	6.64E-11
9832	436720	3763433	1.968E-10	6.71E-10	8.68E-10	3.06E-11	1.10E-10	1.40E-10	1.65E-11	5.09E-11	6.73E-11
9833	436716.4	3763424	1.997E-10	6.81E-10	8.81E-10	3.10E-11	1.11E-10	1.42E-10	1.67E-11	5.16E-11	6.83E-11
9834	436712.7	3763415	2.026E-10	6.91E-10	8.93E-10	3.15E-11	1.13E-10	1.44E-10	1.70E-11	5.23E-11	6.93E-11
9835	436709	3763407	2.055E-10	7.01E-10	9.06E-10	3.19E-11	1.14E-10	1.46E-10	1.72E-11	5.31E-11	7.03E-11
9836	436705.3	3763398	2.084E-10	7.11E-10	9.19E-10	3.24E-11	1.16E-10	1.48E-10	1.74E-11	5.38E-11	7.13E-11
9837	436701.6	3763389	2.113E-10	7.20E-10	9.32E-10	3.28E-11	1.18E-10	1.51E-10	1.77E-11	5.46E-11	7.23E-11
9838	436697.9	3763380	2.142E-10	7.30E-10	9.45E-10	3.33E-11	1.19E-10	1.53E-10	1.79E-11	5.53E-11	7.33E-11
9839	436694.2	3763371	2.171E-10	7.40E-10	9.57E-10	3.37E-11	1.21E-10	1.55E-10	1.82E-11	5.61E-11	7.43E-11
9840	436690.5	3763362	2.2E-10	7.50E-10	9.70E-10	3.42E-11	1.23E-10	1.57E-10	1.84E-11	5.68E-11	7.53E-11
9841	436686.8	3763353	2.228E-10	7.60E-10	9.83E-10	3.46E-11	1.24E-10	1.59E-10	1.87E-11	5.76E-11	7.62E-11
9842	436683.1	3763344	2.256E-10	7.69E-10	9.95E-10	3.51E-11	1.26E-10	1.61E-10	1.89E-11	5.83E-11	7.72E-11
9843	436679.4	3763335	2.282E-10	7.78E-10	1.01E-09	3.55E-11	1.27E-10	1.63E-10	1.91E-11	5.90E-11	7.81E-11
9844	436675.8	3763326	2.308E-10	7.87E-10	1.02E-09	3.59E-11	1.29E-10	1.64E-10	1.93E-11	5.96E-11	7.89E-11
9845	436672.1	3763318	2.334E-10	7.96E-10	1.03E-09	3.63E-11	1.30E-10	1.66E-10	1.95E-11	6.03E-11	7.98E-11
9846	436668.4	3763309	2.362E-10	8.05E-10	1.04E-09	3.67E-11	1.32E-10	1.68E-10	1.98E-11	6.10E-11	8.08E-11
9847	436664.7	3763300	2.389E-10	8.14E-10	1.05E-09	3.71E-11	1.33E-10	1.70E-10	2.00E-11	6.17E-11	8.17E-11
9848	436661	3763291	2.415E-10	8.23E-10	1.06E-09	3.75E-11	1.35E-10	1.72E-10	2.02E-11	6.24E-11	8.26E-11
9849	436657.3	3763282	2.441E-10	8.32E-10	1.08E-09	3.79E-11	1.36E-10	1.74E-10	2.04E-11	6.31E-11	8.35E-11
9850	436653.6	3763273	2.466E-10	8.41E-10	1.09E-09	3.83E-11	1.37E-10	1.76E-10	2.06E-11	6.37E-11	8.44E-11
9851	436649.9	3763264	2.492E-10	8.50E-10	1.10E-09	3.87E-11	1.39E-10	1.78E-10	2.09E-11	6.44E-11	8.52E-11
9852	436646.2	3763255	2.516E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.61E-11
9853	436642.5	3763246	2.54E-10	8.66E-10	1.12E-09	3.95E-11	1.42E-10	1.81E-10	2.13E-11	6.56E-11	8.69E-11
9854	436638.8	3763237	2.564E-10	8.74E-10	1.13E-09	3.98E-11	1.43E-10	1.83E-10	2.15E-11	6.62E-11	8.77E-11
9855	436635.1	3763229	2.588E-10	8.82E-10	1.14E-09	4.02E-11	1.44E-10	1.84E-10	2.17E-11	6.69E-11	8.85E-11
9856	436631.5	3763220	2.615E-10	8.92E-10	1.15E-09	4.06E-11	1.46E-10	1.86E-10	2.19E-11	6.76E-11	8.95E-11
9857	436627.8	3763211	2.642E-10	9.01E-10	1.17E-09	4.11E-11	1.47E-10	1.88E-10	2.21E-11	6.83E-11	9.04E-11
9858	436624.1	3763202	2.668E-10	9.10E-10	1.18E-09	4.15E-11	1.49E-10	1.90E-10	2.23E-11	6.89E-11	9.13E-11
9859	436620.4	3763193	2.69E-10	9.17E-10	1.19E-09	4.18E-11	1.50E-10	1.92E-10	2.25E-11	6.95E-11	9.20E-11
9860	436616.7	3763184	2.71E-10	9.24E-10	1.20E-09	4.21E-11	1.51E-10	1.93E-10	2.27E-11	7.00E-11	9.27E-11
9861	436613	3763175	2.73E-10	9.31E-10	1.20E-09	4.24E-11	1.52E-10	1.94E-10	2.29E-11	7.05E-11	9.34E-11
9862	436609.3	3763166	2.75E-10	9.38E-10	1.21E-09	4.27E-11	1.53E-10	1.96E-10	2.30E-11	7.11E-11	9.41E-11
9863	436605.6	3763157	2.77E-10	9.44E-10	1.22E-09	4.30E-11	1.54E-10	1.97E-10	2.32E-11	7.16E-11	9.48E-11
9864	436601.9	3763148	2.787E-10	9.51E-10	1.23E-09	4.33E-11	1.55E-10	1.99E-10	2.33E-11	7.20E-11	9.54E-11
9865	436598.2	3763140	2.804E-10	9.56E-10	1.24E-09	4.36E-11	1.56E-10	2.00E-10	2.35E-11	7.24E-11	9.59E-11
9866	436594.5	3763131	2.814E-10	9.59E-10	1.24E-09	4.37E-11	1.57E-10	2.00E-10	2.36E-11	7.27E-11	9.63E-11
9867	436590.9	3763122	2.823E-10	9.63E-10	1.24E-09	4.39E-11	1.57E-10	2.01E-10	2.36E-11	7.29E-11	9.66E-11
9868	436587.2	3763113	2.834E-10	9.66E-10	1.25E-09	4.40E-11	1.58E-10	2.02E-10	2.37E-11	7.32E-11	9.69E-11
9869	436583.5	3763104	2.846E-10	9.70E-10	1.25E-09	4.42E-11	1.59E-10	2.03E-10	2.38E-11	7.35E-11	9.73E-11
9870	436579.8	3763095	2.858E-10	9.75E-10	1.26E-09	4.44E-11	1.59E-10	2.04E-10	2.39E-11	7.39E-11	9.78E-11
9871	436576.1	3763086	2.87E-10	9.79E-10	1.27E-09	4.46E-11	1.60E-10	2.04E-10	2.40E-11	7.41E-11	9.82E-11
9872	436572.4	3763077	2.881E-10	9.82E-10	1.27E-09	4.48E-11	1.60E-10	2.05E-10	2.41E-11	7.44E-11	9.86E-11
9873	436568.7	3763068	2.887E-10	9.85E-10	1.27E-09	4.49E-11	1.61E-10	2.06E-10	2.42E-11	7.46E-11	9.88E-11
9874	436565	3763060	2.893E-10	9.87E-10	1.28E-09	4.50E-11	1.61E-10	2.06E-10	2.42E-11	7.48E-11	9.90E-11
9875	436561.3	3763051	2.897E-10	9.88E-10	1.28E-09	4.50E-11	1.61E-10	2.06E-10	2.43E-11	7.49E-11	9.91E-11
9876	436557.6	3763042	2.901E-10	9.89E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.50E-11	9.92E-11
9877	436553.9	3763033	2.904E-10	9.90E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.50E-11	9.93E-11
9878	436550.2	3763024	2.905E-10	9.91E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.51E-11	9.94E-11

9879	436546.6	3763015	2.905E-10	9.91E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.51E-11	9.94E-11
9880	436542.9	3763006	2.905E-10	9.91E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.51E-11	9.94E-11
9881	436539.2	3762997	2.904E-10	9.90E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.50E-11	9.93E-11
9882	436535.5	3762988	2.902E-10	9.90E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.50E-11	9.93E-11
9883	436531.8	3762979	2.9E-10	9.89E-10	1.28E-09	4.51E-11	1.62E-10	2.07E-10	2.43E-11	7.49E-11	9.92E-11
9884	436528.1	3762971	2.897E-10	9.88E-10	1.28E-09	4.50E-11	1.61E-10	2.06E-10	2.42E-11	7.48E-11	9.91E-11
9885	436524.4	3762962	2.893E-10	9.87E-10	1.28E-09	4.50E-11	1.61E-10	2.06E-10	2.42E-11	7.48E-11	9.90E-11
9886	436520.7	3762953	2.889E-10	9.85E-10	1.27E-09	4.49E-11	1.61E-10	2.06E-10	2.42E-11	7.47E-11	9.88E-11
9887	436517	3762944	2.885E-10	9.84E-10	1.27E-09	4.48E-11	1.61E-10	2.06E-10	2.41E-11	7.45E-11	9.87E-11
9888	436513.3	3762935	2.88E-10	9.82E-10	1.27E-09	4.47E-11	1.60E-10	2.05E-10	2.41E-11	7.44E-11	9.85E-11
9889	436509.6	3762926	2.874E-10	9.80E-10	1.27E-09	4.47E-11	1.60E-10	2.05E-10	2.41E-11	7.43E-11	9.83E-11
9890	436506	3762917	2.868E-10	9.78E-10	1.26E-09	4.46E-11	1.60E-10	2.04E-10	2.40E-11	7.41E-11	9.81E-11
9891	436502.3	3762908	2.861E-10	9.76E-10	1.26E-09	4.45E-11	1.59E-10	2.04E-10	2.39E-11	7.39E-11	9.79E-11
9892	437365.6	3763744	1.402E-10	4.78E-10	6.18E-10	2.18E-11	7.81E-11	9.99E-11	1.17E-11	3.62E-11	4.80E-11
9893	437375.3	3763744	1.409E-10	4.80E-10	6.21E-10	2.19E-11	7.85E-11	1.00E-10	1.18E-11	3.64E-11	4.82E-11
9894	437384.9	3763744	1.414E-10	4.82E-10	6.24E-10	2.20E-11	7.88E-11	1.01E-10	1.18E-11	3.65E-11	4.84E-11
9895	437394.6	3763744	1.421E-10	4.84E-10	6.26E-10	2.21E-11	7.91E-11	1.01E-10	1.19E-11	3.67E-11	4.86E-11
9896	437404.2	3763744	1.426E-10	4.86E-10	6.29E-10	2.22E-11	7.95E-11	1.02E-10	1.19E-11	3.69E-11	4.88E-11
9897	437413.9	3763744	1.431E-10	4.88E-10	6.31E-10	2.22E-11	7.97E-11	1.02E-10	1.20E-11	3.70E-11	4.90E-11
9898	437423.5	3763744	1.436E-10	4.90E-10	6.33E-10	2.23E-11	8.00E-11	1.02E-10	1.20E-11	3.71E-11	4.91E-11
9899	437433.2	3763744	1.44E-10	4.91E-10	6.35E-10	2.24E-11	8.02E-11	1.03E-10	1.21E-11	3.72E-11	4.93E-11
9900	437442.8	3763744	1.445E-10	4.93E-10	6.37E-10	2.24E-11	8.05E-11	1.03E-10	1.21E-11	3.73E-11	4.94E-11
9901	437452.5	3763744	1.448E-10	4.94E-10	6.39E-10	2.25E-11	8.07E-11	1.03E-10	1.21E-11	3.74E-11	4.95E-11
9902	437462.1	3763744	1.453E-10	4.95E-10	6.41E-10	2.26E-11	8.09E-11	1.03E-10	1.22E-11	3.75E-11	4.97E-11
9903	437471.8	3763744	1.458E-10	4.97E-10	6.43E-10	2.27E-11	8.12E-11	1.04E-10	1.22E-11	3.77E-11	4.99E-11
9904	437481.4	3763744	1.465E-10	4.99E-10	6.46E-10	2.28E-11	8.16E-11	1.04E-10	1.23E-11	3.78E-11	5.01E-11
9905	437491.1	3763743	1.471E-10	5.02E-10	6.49E-10	2.29E-11	8.19E-11	1.05E-10	1.23E-11	3.80E-11	5.03E-11
9906	437500.7	3763743	1.482E-10	5.05E-10	6.53E-10	2.30E-11	8.25E-11	1.06E-10	1.24E-11	3.83E-11	5.07E-11
9907	437510.4	3763743	1.492E-10	5.09E-10	6.58E-10	2.32E-11	8.31E-11	1.06E-10	1.25E-11	3.86E-11	5.10E-11
9908	437520	3763743	1.504E-10	5.13E-10	6.63E-10	2.34E-11	8.38E-11	1.07E-10	1.26E-11	3.89E-11	5.15E-11
9909	437529.7	3763743	1.511E-10	5.15E-10	6.66E-10	2.35E-11	8.42E-11	1.08E-10	1.27E-11	3.91E-11	5.17E-11
9910	437539.3	3763743	1.518E-10	5.18E-10	6.70E-10	2.36E-11	8.46E-11	1.08E-10	1.27E-11	3.92E-11	5.19E-11
9911	437549	3763743	1.525E-10	5.20E-10	6.72E-10	2.37E-11	8.49E-11	1.09E-10	1.28E-11	3.94E-11	5.22E-11
9912	437356.9	3763780	1.314E-10	4.48E-10	5.79E-10	2.04E-11	7.32E-11	9.36E-11	1.10E-11	3.39E-11	4.49E-11
9913	437348.1	3763776	1.316E-10	4.49E-10	5.80E-10	2.04E-11	7.33E-11	9.37E-11	1.10E-11	3.40E-11	4.50E-11
9914	437339.3	3763773	1.318E-10	4.49E-10	5.81E-10	2.05E-11	7.34E-11	9.39E-11	1.10E-11	3.41E-11	4.51E-11
9915	437330.5	3763769	1.32E-10	4.50E-10	5.82E-10	2.05E-11	7.35E-11	9.40E-11	1.10E-11	3.41E-11	4.52E-11
9916	437321.7	3763766	1.322E-10	4.51E-10	5.83E-10	2.05E-11	7.37E-11	9.42E-11	1.11E-11	3.42E-11	4.52E-11
9917	437312.9	3763762	1.325E-10	4.52E-10	5.84E-10	2.06E-11	7.38E-11	9.44E-11	1.11E-11	3.42E-11	4.53E-11
9918	437304.1	3763758	1.326E-10	4.52E-10	5.85E-10	2.06E-11	7.39E-11	9.45E-11	1.11E-11	3.43E-11	4.54E-11
9919	437295.2	3763755	1.329E-10	4.53E-10	5.86E-10	2.06E-11	7.40E-11	9.47E-11	1.11E-11	3.43E-11	4.54E-11
9920	437286.4	3763751	1.33E-10	4.54E-10	5.86E-10	2.07E-11	7.41E-11	9.48E-11	1.11E-11	3.44E-11	4.55E-11
9921	437277.6	3763747	1.331E-10	4.54E-10	5.87E-10	2.07E-11	7.41E-11	9.48E-11	1.11E-11	3.44E-11	4.55E-11
9922	437268.8	3763744	1.331E-10	4.54E-10	5.87E-10	2.07E-11	7.42E-11	9.49E-11	1.11E-11	3.44E-11	4.55E-11
9923	437260	3763740	1.332E-10	4.54E-10	5.87E-10	2.07E-11	7.42E-11	9.49E-11	1.12E-11	3.44E-11	4.56E-11
9924	437251.2	3763737	1.333E-10	4.54E-10	5.88E-10	2.07E-11	7.42E-11	9.50E-11	1.12E-11	3.44E-11	4.56E-11
9925	437242.4	3763733	1.335E-10	4.55E-10	5.89E-10	2.07E-11	7.44E-11	9.51E-11	1.12E-11	3.45E-11	4.57E-11
9926	437233.6	3763729	1.338E-10	4.56E-10	5.90E-10	2.08E-11	7.45E-11	9.53E-11	1.12E-11	3.46E-11	4.58E-11
9927	437224.8	3763726	1.341E-10	4.57E-10	5.91E-10	2.08E-11	7.47E-11	9.55E-11	1.12E-11	3.46E-11	4.59E-11
9928	437216	3763722	1.343E-10	4.58E-10	5.92E-10	2.09E-11	7.48E-11	9.57E-11	1.12E-11	3.47E-11	4.60E-11
9929	437207.2	3763718	1.346E-10	4.59E-10	5.94E-10	2.09E-11	7.50E-11	9.59E-11	1.13E-11	3.48E-11	4.61E-11
9930	437198.4	3763715	1.35E-10	4.60E-10	5.95E-10	2.10E-11	7.52E-11	9.62E-11	1.13E-11	3.49E-11	4.62E-11
9931	437189.6	3763711	1.353E-10	4.61E-10	5.97E-10	2.10E-11	7.54E-11	9.64E-11	1.13E-11	3.50E-11	4.63E-11
9932	437180.7	3763707	1.355E-10	4.62E-10	5.98E-10	2.11E-11	7.55E-11	9.66E-11	1.13E-11	3.50E-11	4.64E-11
9933	437101.5	3763675	1.392E-10	4.75E-10	6.14E-10	2.16E-11	7.76E-11	9.92E-11	1.17E-11	3.60E-11	4.76E-11
9934	437092.7	3763671	1.398E-10	4.77E-10	6.17E-10	2.17E-11	7.79E-11	9.96E-11	1.17E-11	3.61E-11	4.78E-11
9935	437083.9	3763668	1.404E-10	4.79E-10	6.19E-10	2.18E-11	7.82E-11	1.00E-10	1.18E-11	3.63E-11	4.80E-11
9936	437075.1	3763664	1.411E-10	4.81E-10	6.22E-10	2.19E-11	7.86E-11	1.01E-10	1.18E-11	3.65E-11	4.83E-11
9937	437066.2	3763660	1.418E-10	4.83E-10	6.25E-10	2.20E-11	7.90E-11	1.01E-10	1.19E-11	3.66E-11	4.85E-11
9938	437057.4	3763657	1.425E-10	4.86E-10	6.28E-10	2.21E-11	7.94E-11	1.02E-10	1.19E-11	3.68E-11	4.87E-11
9939	437048.6	3763653	1.432E-10	4.88E-10	6.31E-10	2.23E-11	7.98E-11	1.02E-10	1.20E-11	3.70E-11	4.90E-11

9940	437039.8	3763649	1.44E-10	4.91E-10	6.35E-10	2.24E-11	8.02E-11	1.03E-10	1.21E-11	3.72E-11	4.93E-11
9941	437031	3763646	1.447E-10	4.93E-10	6.38E-10	2.25E-11	8.06E-11	1.03E-10	1.21E-11	3.74E-11	4.95E-11
9942	437022.2	3763642	1.455E-10	4.96E-10	6.42E-10	2.26E-11	8.11E-11	1.04E-10	1.22E-11	3.76E-11	4.98E-11
9943	437013.4	3763638	1.465E-10	4.99E-10	6.46E-10	2.28E-11	8.16E-11	1.04E-10	1.23E-11	3.78E-11	5.01E-11
9944	437004.6	3763635	1.475E-10	5.03E-10	6.50E-10	2.29E-11	8.21E-11	1.05E-10	1.23E-11	3.81E-11	5.04E-11
9945	436925.3	3763602	1.555E-10	5.30E-10	6.86E-10	2.42E-11	8.66E-11	1.11E-10	1.30E-11	4.02E-11	5.32E-11
9946	436916.5	3763598	1.562E-10	5.33E-10	6.89E-10	2.43E-11	8.70E-11	1.11E-10	1.31E-11	4.04E-11	5.34E-11
9947	436907.7	3763595	1.563E-10	5.33E-10	6.89E-10	2.43E-11	8.71E-11	1.11E-10	1.31E-11	4.04E-11	5.35E-11
9948	436898.9	3763591	1.569E-10	5.35E-10	6.92E-10	2.44E-11	8.74E-11	1.12E-10	1.31E-11	4.05E-11	5.37E-11
9949	436890.1	3763588	1.574E-10	5.37E-10	6.94E-10	2.45E-11	8.77E-11	1.12E-10	1.32E-11	4.07E-11	5.39E-11
9950	436881.3	3763584	1.582E-10	5.39E-10	6.97E-10	2.46E-11	8.81E-11	1.13E-10	1.32E-11	4.09E-11	5.41E-11
9951	436872.5	3763580	1.588E-10	5.41E-10	7.00E-10	2.47E-11	8.85E-11	1.13E-10	1.33E-11	4.10E-11	5.43E-11
9952	436863.7	3763577	1.594E-10	5.44E-10	7.03E-10	2.48E-11	8.88E-11	1.14E-10	1.33E-11	4.12E-11	5.45E-11
9953	436854.9	3763573	1.599E-10	5.45E-10	7.05E-10	2.48E-11	8.91E-11	1.14E-10	1.34E-11	4.13E-11	5.47E-11
9954	436846.1	3763569	1.603E-10	5.47E-10	7.07E-10	2.49E-11	8.93E-11	1.14E-10	1.34E-11	4.14E-11	5.49E-11
9955	436837.2	3763566	1.606E-10	5.48E-10	7.08E-10	2.50E-11	8.95E-11	1.14E-10	1.34E-11	4.15E-11	5.49E-11
9956	436828.4	3763562	1.608E-10	5.48E-10	7.09E-10	2.50E-11	8.96E-11	1.15E-10	1.35E-11	4.16E-11	5.50E-11
9957	436819.6	3763559	1.611E-10	5.49E-10	7.11E-10	2.50E-11	8.98E-11	1.15E-10	1.35E-11	4.16E-11	5.51E-11
9958	436810.8	3763555	1.616E-10	5.51E-10	7.12E-10	2.51E-11	9.00E-11	1.15E-10	1.35E-11	4.17E-11	5.53E-11
9959	436802	3763551	1.619E-10	5.52E-10	7.14E-10	2.52E-11	9.02E-11	1.15E-10	1.36E-11	4.18E-11	5.54E-11
9960	436793.2	3763548	1.623E-10	5.54E-10	7.16E-10	2.52E-11	9.04E-11	1.16E-10	1.36E-11	4.19E-11	5.55E-11
9961	436784.4	3763544	1.628E-10	5.55E-10	7.18E-10	2.53E-11	9.07E-11	1.16E-10	1.36E-11	4.21E-11	5.57E-11
9962	436775.6	3763540	1.634E-10	5.57E-10	7.21E-10	2.54E-11	9.10E-11	1.16E-10	1.37E-11	4.22E-11	5.59E-11
9963	436740.4	3763526	1.657E-10	5.65E-10	7.31E-10	2.58E-11	9.23E-11	1.18E-10	1.39E-11	4.28E-11	5.67E-11
9964	436731.6	3763522	1.662E-10	5.67E-10	7.33E-10	2.58E-11	9.26E-11	1.18E-10	1.39E-11	4.30E-11	5.69E-11
9965	436722.7	3763519	1.67E-10	5.69E-10	7.36E-10	2.59E-11	9.30E-11	1.19E-10	1.40E-11	4.32E-11	5.71E-11
9966	436710.3	3763506	1.7E-10	5.80E-10	7.50E-10	2.64E-11	9.47E-11	1.21E-10	1.42E-11	4.39E-11	5.81E-11
9967	436706.6	3763497	1.725E-10	5.88E-10	7.61E-10	2.68E-11	9.61E-11	1.23E-10	1.44E-11	4.46E-11	5.90E-11
9968	436703	3763489	1.75E-10	5.97E-10	7.72E-10	2.72E-11	9.75E-11	1.25E-10	1.46E-11	4.52E-11	5.99E-11
9969	436699.3	3763480	1.776E-10	6.05E-10	7.83E-10	2.76E-11	9.89E-11	1.27E-10	1.49E-11	4.59E-11	6.07E-11
9970	436695.7	3763471	1.8E-10	6.14E-10	7.94E-10	2.80E-11	1.00E-10	1.28E-10	1.51E-11	4.65E-11	6.16E-11
9971	436692	3763462	1.826E-10	6.23E-10	8.05E-10	2.84E-11	1.02E-10	1.30E-10	1.53E-11	4.72E-11	6.25E-11
9972	436688.4	3763453	1.851E-10	6.31E-10	8.16E-10	2.88E-11	1.03E-10	1.32E-10	1.55E-11	4.78E-11	6.33E-11
9973	436684.7	3763445	1.875E-10	6.39E-10	8.27E-10	2.91E-11	1.04E-10	1.34E-10	1.57E-11	4.84E-11	6.41E-11
9974	436681.1	3763436	1.9E-10	6.48E-10	8.38E-10	2.95E-11	1.06E-10	1.35E-10	1.59E-11	4.91E-11	6.50E-11
9975	436677.4	3763427	1.927E-10	6.57E-10	8.50E-10	2.99E-11	1.07E-10	1.37E-10	1.61E-11	4.98E-11	6.59E-11
9976	436673.8	3763418	1.953E-10	6.66E-10	8.61E-10	3.03E-11	1.09E-10	1.39E-10	1.63E-11	5.05E-11	6.68E-11
9977	436670.1	3763409	1.98E-10	6.75E-10	8.73E-10	3.08E-11	1.10E-10	1.41E-10	1.66E-11	5.12E-11	6.77E-11
9978	436666.5	3763401	2.005E-10	6.84E-10	8.84E-10	3.12E-11	1.12E-10	1.43E-10	1.68E-11	5.18E-11	6.86E-11
9979	436662.8	3763392	2.031E-10	6.93E-10	8.96E-10	3.16E-11	1.13E-10	1.45E-10	1.70E-11	5.25E-11	6.95E-11
9980	436659.2	3763383	2.058E-10	7.02E-10	9.07E-10	3.20E-11	1.15E-10	1.47E-10	1.72E-11	5.32E-11	7.04E-11
9981	436655.5	3763374	2.084E-10	7.11E-10	9.19E-10	3.24E-11	1.16E-10	1.48E-10	1.74E-11	5.38E-11	7.13E-11
9982	436651.9	3763365	2.109E-10	7.19E-10	9.30E-10	3.28E-11	1.17E-10	1.50E-10	1.76E-11	5.45E-11	7.21E-11
9983	436648.2	3763357	2.134E-10	7.28E-10	9.41E-10	3.32E-11	1.19E-10	1.52E-10	1.79E-11	5.51E-11	7.30E-11
9984	436644.6	3763348	2.159E-10	7.36E-10	9.52E-10	3.35E-11	1.20E-10	1.54E-10	1.81E-11	5.58E-11	7.39E-11
9985	436640.9	3763339	2.182E-10	7.44E-10	9.62E-10	3.39E-11	1.22E-10	1.55E-10	1.83E-11	5.64E-11	7.47E-11
9986	436637.3	3763330	2.206E-10	7.52E-10	9.73E-10	3.43E-11	1.23E-10	1.57E-10	1.85E-11	5.70E-11	7.55E-11
9987	436633.6	3763321	2.228E-10	7.60E-10	9.83E-10	3.46E-11	1.24E-10	1.59E-10	1.87E-11	5.76E-11	7.62E-11
9988	436630	3763313	2.251E-10	7.68E-10	9.93E-10	3.50E-11	1.25E-10	1.60E-10	1.88E-11	5.82E-11	7.70E-11
9989	436626.3	3763304	2.273E-10	7.75E-10	1.00E-09	3.53E-11	1.27E-10	1.62E-10	1.90E-11	5.87E-11	7.78E-11
9990	436622.7	3763295	2.294E-10	7.82E-10	1.01E-09	3.56E-11	1.28E-10	1.63E-10	1.92E-11	5.93E-11	7.85E-11
9991	436619	3763286	2.315E-10	7.89E-10	1.02E-09	3.60E-11	1.29E-10	1.65E-10	1.94E-11	5.98E-11	7.92E-11
9992	436615.4	3763277	2.337E-10	7.97E-10	1.03E-09	3.63E-11	1.30E-10	1.66E-10	1.96E-11	6.04E-11	7.99E-11
9993	436611.7	3763269	2.358E-10	8.04E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.09E-11	8.07E-11
9994	436608.1	3763260	2.379E-10	8.11E-10	1.05E-09	3.70E-11	1.33E-10	1.69E-10	1.99E-11	6.15E-11	8.14E-11
9995	436604.4	3763251	2.401E-10	8.19E-10	1.06E-09	3.73E-11	1.34E-10	1.71E-10	2.01E-11	6.20E-11	8.21E-11
9996	436600.8	3763242	2.422E-10	8.26E-10	1.07E-09	3.76E-11	1.35E-10	1.73E-10	2.03E-11	6.26E-11	8.28E-11
9997	436597.1	3763233	2.443E-10	8.33E-10	1.08E-09	3.80E-11	1.36E-10	1.74E-10	2.04E-11	6.31E-11	8.36E-11
9998	436593.5	3763225	2.466E-10	8.41E-10	1.09E-09	3.83E-11	1.37E-10	1.76E-10	2.06E-11	6.37E-11	8.44E-11
9999	436589.8	3763216	2.491E-10	8.50E-10	1.10E-09	3.87E-11	1.39E-10	1.77E-10	2.09E-11	6.44E-11	8.52E-11
10000	436586.2	3763207	2.515E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.60E-11

10001	436582.5	3763198	2.538E-10	8.65E-10	1.12E-09	3.94E-11	1.41E-10	1.81E-10	2.12E-11	6.56E-11	8.68E-11
10002	436578.9	3763189	2.554E-10	8.71E-10	1.13E-09	3.97E-11	1.42E-10	1.82E-10	2.14E-11	6.60E-11	8.74E-11
10003	436575.2	3763181	2.57E-10	8.76E-10	1.13E-09	3.99E-11	1.43E-10	1.83E-10	2.15E-11	6.64E-11	8.79E-11
10004	436571.6	3763172	2.585E-10	8.81E-10	1.14E-09	4.02E-11	1.44E-10	1.84E-10	2.16E-11	6.68E-11	8.84E-11
10005	436567.9	3763163	2.598E-10	8.86E-10	1.15E-09	4.04E-11	1.45E-10	1.85E-10	2.17E-11	6.71E-11	8.89E-11
10006	436564.3	3763154	2.611E-10	8.90E-10	1.15E-09	4.06E-11	1.45E-10	1.86E-10	2.19E-11	6.75E-11	8.93E-11
10007	436560.6	3763145	2.623E-10	8.94E-10	1.16E-09	4.08E-11	1.46E-10	1.87E-10	2.20E-11	6.78E-11	8.97E-11
10008	436557	3763137	2.634E-10	8.98E-10	1.16E-09	4.09E-11	1.47E-10	1.88E-10	2.21E-11	6.81E-11	9.01E-11
10009	436553.3	3763128	2.645E-10	9.02E-10	1.17E-09	4.11E-11	1.47E-10	1.88E-10	2.21E-11	6.83E-11	9.05E-11
10010	436549.7	3763119	2.654E-10	9.05E-10	1.17E-09	4.12E-11	1.48E-10	1.89E-10	2.22E-11	6.86E-11	9.08E-11
10011	436546	3763110	2.663E-10	9.08E-10	1.17E-09	4.14E-11	1.48E-10	1.90E-10	2.23E-11	6.88E-11	9.11E-11
10012	436542.4	3763101	2.671E-10	9.11E-10	1.18E-09	4.15E-11	1.49E-10	1.90E-10	2.24E-11	6.90E-11	9.14E-11
10013	436538.7	3763093	2.677E-10	9.13E-10	1.18E-09	4.16E-11	1.49E-10	1.91E-10	2.24E-11	6.92E-11	9.16E-11
10014	436535.1	3763084	2.683E-10	9.15E-10	1.18E-09	4.17E-11	1.49E-10	1.91E-10	2.25E-11	6.93E-11	9.18E-11
10015	436531.4	3763075	2.688E-10	9.16E-10	1.19E-09	4.18E-11	1.50E-10	1.91E-10	2.25E-11	6.94E-11	9.19E-11
10016	436527.8	3763066	2.692E-10	9.18E-10	1.19E-09	4.18E-11	1.50E-10	1.92E-10	2.25E-11	6.96E-11	9.21E-11
10017	436524.1	3763057	2.695E-10	9.19E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.96E-11	9.22E-11
10018	436520.5	3763049	2.697E-10	9.20E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.97E-11	9.23E-11
10019	436516.8	3763040	2.699E-10	9.20E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.97E-11	9.23E-11
10020	436513.2	3763031	2.7E-10	9.21E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.98E-11	9.24E-11
10021	436509.5	3763022	2.7E-10	9.21E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.98E-11	9.24E-11
10022	436505.9	3763013	2.699E-10	9.20E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.97E-11	9.23E-11
10023	436502.2	3763005	2.697E-10	9.20E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.97E-11	9.23E-11
10024	436498.6	3762996	2.696E-10	9.19E-10	1.19E-09	4.19E-11	1.50E-10	1.92E-10	2.26E-11	6.97E-11	9.22E-11
10025	436494.9	3762987	2.693E-10	9.18E-10	1.19E-09	4.18E-11	1.50E-10	1.92E-10	2.25E-11	6.96E-11	9.21E-11
10026	436491.3	3762978	2.691E-10	9.18E-10	1.19E-09	4.18E-11	1.50E-10	1.92E-10	2.25E-11	6.95E-11	9.21E-11
10027	436487.6	3762969	2.688E-10	9.16E-10	1.19E-09	4.18E-11	1.50E-10	1.91E-10	2.25E-11	6.94E-11	9.19E-11
10028	436484	3762961	2.684E-10	9.15E-10	1.18E-09	4.17E-11	1.50E-10	1.91E-10	2.25E-11	6.94E-11	9.18E-11
10029	436480.3	3762952	2.68E-10	9.14E-10	1.18E-09	4.16E-11	1.49E-10	1.91E-10	2.24E-11	6.92E-11	9.17E-11
10030	436476.7	3762943	2.676E-10	9.12E-10	1.18E-09	4.16E-11	1.49E-10	1.91E-10	2.24E-11	6.91E-11	9.15E-11
10031	436473	3762934	2.671E-10	9.11E-10	1.18E-09	4.15E-11	1.49E-10	1.90E-10	2.24E-11	6.90E-11	9.14E-11
10032	436469.4	3762925	2.665E-10	9.09E-10	1.18E-09	4.14E-11	1.48E-10	1.90E-10	2.23E-11	6.89E-11	9.12E-11
10033	436465.7	3762917	2.66E-10	9.07E-10	1.17E-09	4.13E-11	1.48E-10	1.90E-10	2.23E-11	6.87E-11	9.10E-11
10034	436462.1	3762908	2.654E-10	9.05E-10	1.17E-09	4.12E-11	1.48E-10	1.89E-10	2.22E-11	6.86E-11	9.08E-11
10035	437365.7	3763784	1.312E-10	4.47E-10	5.78E-10	2.04E-11	7.31E-11	9.34E-11	1.10E-11	3.39E-11	4.49E-11
10036	437375.4	3763784	1.317E-10	4.49E-10	5.81E-10	2.05E-11	7.34E-11	9.38E-11	1.10E-11	3.40E-11	4.51E-11
10037	437385	3763784	1.322E-10	4.51E-10	5.83E-10	2.05E-11	7.37E-11	9.42E-11	1.11E-11	3.42E-11	4.52E-11
10038	437394.7	3763784	1.327E-10	4.53E-10	5.85E-10	2.06E-11	7.39E-11	9.45E-11	1.11E-11	3.43E-11	4.54E-11
10039	437404.3	3763784	1.332E-10	4.54E-10	5.87E-10	2.07E-11	7.42E-11	9.49E-11	1.12E-11	3.44E-11	4.56E-11
10040	437414	3763784	1.336E-10	4.56E-10	5.89E-10	2.08E-11	7.44E-11	9.52E-11	1.12E-11	3.45E-11	4.57E-11
10041	437423.6	3763784	1.341E-10	4.57E-10	5.91E-10	2.08E-11	7.47E-11	9.55E-11	1.12E-11	3.46E-11	4.59E-11
10042	437433.3	3763784	1.344E-10	4.58E-10	5.93E-10	2.09E-11	7.49E-11	9.58E-11	1.13E-11	3.47E-11	4.60E-11
10043	437442.9	3763784	1.348E-10	4.60E-10	5.94E-10	2.09E-11	7.51E-11	9.60E-11	1.13E-11	3.48E-11	4.61E-11
10044	437452.6	3763784	1.351E-10	4.61E-10	5.96E-10	2.10E-11	7.53E-11	9.63E-11	1.13E-11	3.49E-11	4.62E-11
10045	437462.2	3763784	1.355E-10	4.62E-10	5.97E-10	2.10E-11	7.55E-11	9.65E-11	1.13E-11	3.50E-11	4.63E-11
10046	437471.9	3763784	1.361E-10	4.64E-10	6.00E-10	2.11E-11	7.58E-11	9.70E-11	1.14E-11	3.52E-11	4.66E-11
10047	437481.5	3763784	1.368E-10	4.67E-10	6.03E-10	2.13E-11	7.62E-11	9.75E-11	1.15E-11	3.54E-11	4.68E-11
10048	437491.2	3763783	1.375E-10	4.69E-10	6.07E-10	2.14E-11	7.66E-11	9.80E-11	1.15E-11	3.55E-11	4.70E-11
10049	437500.8	3763783	1.383E-10	4.72E-10	6.10E-10	2.15E-11	7.70E-11	9.85E-11	1.16E-11	3.57E-11	4.73E-11
10050	437510.5	3763783	1.392E-10	4.75E-10	6.14E-10	2.16E-11	7.75E-11	9.91E-11	1.16E-11	3.60E-11	4.76E-11
10051	437520.1	3763783	1.401E-10	4.78E-10	6.18E-10	2.18E-11	7.80E-11	9.98E-11	1.17E-11	3.62E-11	4.79E-11
10052	437529.8	3763783	1.405E-10	4.79E-10	6.20E-10	2.18E-11	7.83E-11	1.00E-10	1.18E-11	3.63E-11	4.81E-11
10053	437539.4	3763783	1.409E-10	4.81E-10	6.21E-10	2.19E-11	7.85E-11	1.00E-10	1.18E-11	3.64E-11	4.82E-11
10054	437549.1	3763783	1.414E-10	4.82E-10	6.23E-10	2.20E-11	7.87E-11	1.01E-10	1.18E-11	3.65E-11	4.84E-11
10055	437357	3763820	1.234E-10	4.21E-10	5.44E-10	1.92E-11	6.87E-11	8.79E-11	1.03E-11	3.19E-11	4.22E-11
10056	437348.1	3763816	1.236E-10	4.21E-10	5.45E-10	1.92E-11	6.88E-11	8.80E-11	1.03E-11	3.19E-11	4.23E-11
10057	437339.3	3763813	1.237E-10	4.22E-10	5.46E-10	1.92E-11	6.89E-11	8.81E-11	1.04E-11	3.20E-11	4.23E-11
10058	437330.5	3763809	1.239E-10	4.23E-10	5.47E-10	1.93E-11	6.90E-11	8.83E-11	1.04E-11	3.20E-11	4.24E-11
10059	437321.6	3763806	1.241E-10	4.23E-10	5.47E-10	1.93E-11	6.91E-11	8.84E-11	1.04E-11	3.21E-11	4.24E-11
10060	437312.8	3763802	1.243E-10	4.24E-10	5.48E-10	1.93E-11	6.92E-11	8.85E-11	1.04E-11	3.21E-11	4.25E-11
10061	437304	3763798	1.245E-10	4.25E-10	5.49E-10	1.93E-11	6.94E-11	8.87E-11	1.04E-11	3.22E-11	4.26E-11

10062	437295.1	3763795	1.247E-10	4.25E-10	5.50E-10	1.94E-11	6.95E-11	8.88E-11	1.04E-11	3.22E-11	4.27E-11
10063	437286.3	3763791	1.248E-10	4.26E-10	5.51E-10	1.94E-11	6.95E-11	8.89E-11	1.04E-11	3.23E-11	4.27E-11
10064	437277.5	3763787	1.251E-10	4.26E-10	5.52E-10	1.94E-11	6.97E-11	8.91E-11	1.05E-11	3.23E-11	4.28E-11
10065	437268.6	3763784	1.252E-10	4.27E-10	5.52E-10	1.95E-11	6.97E-11	8.92E-11	1.05E-11	3.24E-11	4.28E-11
10066	437259.8	3763780	1.253E-10	4.27E-10	5.53E-10	1.95E-11	6.98E-11	8.93E-11	1.05E-11	3.24E-11	4.29E-11
10067	437251	3763776	1.254E-10	4.28E-10	5.53E-10	1.95E-11	6.99E-11	8.93E-11	1.05E-11	3.24E-11	4.29E-11
10068	437242.1	3763773	1.256E-10	4.28E-10	5.54E-10	1.95E-11	6.99E-11	8.94E-11	1.05E-11	3.24E-11	4.30E-11
10069	437233.3	3763769	1.256E-10	4.28E-10	5.54E-10	1.95E-11	7.00E-11	8.95E-11	1.05E-11	3.25E-11	4.30E-11
10070	437224.5	3763765	1.258E-10	4.29E-10	5.55E-10	1.95E-11	7.01E-11	8.96E-11	1.05E-11	3.25E-11	4.30E-11
10071	437215.6	3763762	1.259E-10	4.29E-10	5.55E-10	1.96E-11	7.01E-11	8.97E-11	1.05E-11	3.25E-11	4.31E-11
10072	437206.8	3763758	1.261E-10	4.30E-10	5.56E-10	1.96E-11	7.02E-11	8.98E-11	1.06E-11	3.26E-11	4.31E-11
10073	437198	3763755	1.263E-10	4.31E-10	5.57E-10	1.96E-11	7.03E-11	9.00E-11	1.06E-11	3.26E-11	4.32E-11
10074	437189.1	3763751	1.265E-10	4.31E-10	5.58E-10	1.97E-11	7.05E-11	9.01E-11	1.06E-11	3.27E-11	4.33E-11
10075	437180.3	3763747	1.267E-10	4.32E-10	5.59E-10	1.97E-11	7.06E-11	9.03E-11	1.06E-11	3.27E-11	4.33E-11
10076	437153.8	3763736	1.274E-10	4.34E-10	5.62E-10	1.98E-11	7.10E-11	9.08E-11	1.07E-11	3.29E-11	4.36E-11
10077	437145	3763733	1.278E-10	4.36E-10	5.63E-10	1.98E-11	7.12E-11	9.10E-11	1.07E-11	3.30E-11	4.37E-11
10078	437136.1	3763729	1.281E-10	4.37E-10	5.65E-10	1.99E-11	7.14E-11	9.13E-11	1.07E-11	3.31E-11	4.38E-11
10079	437127.3	3763725	1.284E-10	4.38E-10	5.66E-10	1.99E-11	7.15E-11	9.15E-11	1.07E-11	3.32E-11	4.39E-11
10080	437118.5	3763722	1.287E-10	4.39E-10	5.67E-10	2.00E-11	7.17E-11	9.17E-11	1.08E-11	3.32E-11	4.40E-11
10081	437109.6	3763718	1.29E-10	4.40E-10	5.69E-10	2.00E-11	7.18E-11	9.19E-11	1.08E-11	3.33E-11	4.41E-11
10082	437100.8	3763714	1.293E-10	4.41E-10	5.70E-10	2.01E-11	7.20E-11	9.21E-11	1.08E-11	3.34E-11	4.42E-11
10083	437092	3763711	1.295E-10	4.42E-10	5.71E-10	2.01E-11	7.22E-11	9.23E-11	1.08E-11	3.35E-11	4.43E-11
10084	437083.2	3763707	1.298E-10	4.43E-10	5.72E-10	2.02E-11	7.23E-11	9.25E-11	1.09E-11	3.35E-11	4.44E-11
10085	437012.5	3763678	1.351E-10	4.61E-10	5.96E-10	2.10E-11	7.52E-11	9.62E-11	1.13E-11	3.49E-11	4.62E-11
10086	437003.7	3763674	1.36E-10	4.64E-10	6.00E-10	2.11E-11	7.57E-11	9.69E-11	1.14E-11	3.51E-11	4.65E-11
10087	436994.8	3763671	1.37E-10	4.67E-10	6.04E-10	2.13E-11	7.63E-11	9.76E-11	1.15E-11	3.54E-11	4.69E-11
10088	436986	3763667	1.38E-10	4.70E-10	6.08E-10	2.14E-11	7.69E-11	9.83E-11	1.15E-11	3.56E-11	4.72E-11
10089	436977.2	3763663	1.389E-10	4.74E-10	6.13E-10	2.16E-11	7.74E-11	9.90E-11	1.16E-11	3.59E-11	4.75E-11
10090	436968.3	3763660	1.411E-10	4.81E-10	6.22E-10	2.19E-11	7.86E-11	1.01E-10	1.18E-11	3.65E-11	4.83E-11
10091	436959.5	3763656	1.418E-10	4.83E-10	6.25E-10	2.20E-11	7.90E-11	1.01E-10	1.19E-11	3.66E-11	4.85E-11
10092	436950.7	3763653	1.424E-10	4.86E-10	6.28E-10	2.21E-11	7.93E-11	1.01E-10	1.19E-11	3.68E-11	4.87E-11
10093	436941.8	3763649	1.431E-10	4.88E-10	6.31E-10	2.22E-11	7.97E-11	1.02E-10	1.20E-11	3.70E-11	4.89E-11
10094	436933	3763645	1.438E-10	4.90E-10	6.34E-10	2.23E-11	8.01E-11	1.02E-10	1.20E-11	3.71E-11	4.92E-11
10095	436924.2	3763642	1.444E-10	4.92E-10	6.37E-10	2.24E-11	8.04E-11	1.03E-10	1.21E-11	3.73E-11	4.94E-11
10096	436915.3	3763638	1.45E-10	4.95E-10	6.40E-10	2.25E-11	8.08E-11	1.03E-10	1.21E-11	3.75E-11	4.96E-11
10097	436906.5	3763634	1.456E-10	4.97E-10	6.42E-10	2.26E-11	8.11E-11	1.04E-10	1.22E-11	3.76E-11	4.98E-11
10098	436844.7	3763609	1.494E-10	5.09E-10	6.59E-10	2.32E-11	8.32E-11	1.06E-10	1.25E-11	3.86E-11	5.11E-11
10099	436835.8	3763605	1.499E-10	5.11E-10	6.61E-10	2.33E-11	8.35E-11	1.07E-10	1.25E-11	3.87E-11	5.13E-11
10100	436827	3763602	1.503E-10	5.12E-10	6.63E-10	2.34E-11	8.37E-11	1.07E-10	1.26E-11	3.88E-11	5.14E-11
10101	436818.2	3763598	1.507E-10	5.14E-10	6.65E-10	2.34E-11	8.40E-11	1.07E-10	1.26E-11	3.89E-11	5.16E-11
10102	436809.3	3763594	1.511E-10	5.15E-10	6.66E-10	2.35E-11	8.42E-11	1.08E-10	1.26E-11	3.90E-11	5.17E-11
10103	436800.5	3763591	1.514E-10	5.16E-10	6.68E-10	2.35E-11	8.43E-11	1.08E-10	1.27E-11	3.91E-11	5.18E-11
10104	436791.7	3763587	1.516E-10	5.17E-10	6.69E-10	2.36E-11	8.45E-11	1.08E-10	1.27E-11	3.92E-11	5.19E-11
10105	436782.8	3763583	1.518E-10	5.18E-10	6.70E-10	2.36E-11	8.46E-11	1.08E-10	1.27E-11	3.92E-11	5.19E-11
10106	436774	3763580	1.521E-10	5.19E-10	6.71E-10	2.36E-11	8.47E-11	1.08E-10	1.27E-11	3.93E-11	5.20E-11
10107	436747.5	3763569	1.531E-10	5.22E-10	6.75E-10	2.38E-11	8.53E-11	1.09E-10	1.28E-11	3.96E-11	5.24E-11
10108	436738.7	3763565	1.535E-10	5.23E-10	6.77E-10	2.38E-11	8.55E-11	1.09E-10	1.28E-11	3.97E-11	5.25E-11
10109	436729.8	3763561	1.54E-10	5.25E-10	6.79E-10	2.39E-11	8.58E-11	1.10E-10	1.29E-11	3.98E-11	5.27E-11
10110	436721	3763558	1.546E-10	5.27E-10	6.82E-10	2.40E-11	8.61E-11	1.10E-10	1.29E-11	3.99E-11	5.29E-11
10111	436712.2	3763554	1.552E-10	5.29E-10	6.85E-10	2.41E-11	8.65E-11	1.11E-10	1.30E-11	4.01E-11	5.31E-11
10112	436703.4	3763551	1.561E-10	5.32E-10	6.88E-10	2.43E-11	8.70E-11	1.11E-10	1.31E-11	4.03E-11	5.34E-11
10113	436694.5	3763547	1.567E-10	5.34E-10	6.91E-10	2.43E-11	8.73E-11	1.12E-10	1.31E-11	4.05E-11	5.36E-11
10114	436682	3763534	1.596E-10	5.44E-10	7.04E-10	2.48E-11	8.89E-11	1.14E-10	1.34E-11	4.12E-11	5.46E-11
10115	436678.4	3763526	1.62E-10	5.52E-10	7.14E-10	2.52E-11	9.02E-11	1.15E-10	1.36E-11	4.19E-11	5.54E-11
10116	436674.7	3763517	1.641E-10	5.60E-10	7.24E-10	2.55E-11	9.14E-11	1.17E-10	1.37E-11	4.24E-11	5.61E-11
10117	436671	3763508	1.663E-10	5.67E-10	7.33E-10	2.58E-11	9.26E-11	1.18E-10	1.39E-11	4.30E-11	5.69E-11
10118	436667.4	3763499	1.685E-10	5.75E-10	7.43E-10	2.62E-11	9.39E-11	1.20E-10	1.41E-11	4.35E-11	5.76E-11
10119	436663.7	3763490	1.708E-10	5.82E-10	7.53E-10	2.65E-11	9.51E-11	1.22E-10	1.43E-11	4.41E-11	5.84E-11
10120	436660.1	3763481	1.73E-10	5.90E-10	7.63E-10	2.69E-11	9.64E-11	1.23E-10	1.45E-11	4.47E-11	5.92E-11
10121	436656.4	3763473	1.753E-10	5.98E-10	7.73E-10	2.72E-11	9.76E-11	1.25E-10	1.47E-11	4.53E-11	6.00E-11
10122	436652.7	3763464	1.774E-10	6.05E-10	7.82E-10	2.76E-11	9.88E-11	1.26E-10	1.49E-11	4.58E-11	6.07E-11

10123	436649.1	3763455	1.796E-10	6.12E-10	7.92E-10	2.79E-11	1.00E-10	1.28E-10	1.50E-11	4.64E-11	6.14E-11
10124	436645.4	3763446	1.818E-10	6.20E-10	8.02E-10	2.82E-11	1.01E-10	1.30E-10	1.52E-11	4.70E-11	6.22E-11
10125	436641.8	3763437	1.841E-10	6.28E-10	8.12E-10	2.86E-11	1.03E-10	1.31E-10	1.54E-11	4.76E-11	6.30E-11
10126	436638.1	3763429	1.864E-10	6.36E-10	8.22E-10	2.90E-11	1.04E-10	1.33E-10	1.56E-11	4.82E-11	6.38E-11
10127	436634.4	3763420	1.888E-10	6.44E-10	8.32E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.88E-11	6.46E-11
10128	436630.8	3763411	1.912E-10	6.52E-10	8.43E-10	2.97E-11	1.06E-10	1.36E-10	1.60E-11	4.94E-11	6.54E-11
10129	436627.1	3763402	1.936E-10	6.60E-10	8.54E-10	3.01E-11	1.08E-10	1.38E-10	1.62E-11	5.00E-11	6.62E-11
10130	436623.5	3763393	1.962E-10	6.69E-10	8.65E-10	3.05E-11	1.09E-10	1.40E-10	1.64E-11	5.07E-11	6.71E-11
10131	436619.8	3763384	1.987E-10	6.77E-10	8.76E-10	3.09E-11	1.11E-10	1.42E-10	1.66E-11	5.13E-11	6.80E-11
10132	436616.1	3763376	2.009E-10	6.85E-10	8.86E-10	3.12E-11	1.12E-10	1.43E-10	1.68E-11	5.19E-11	6.87E-11
10133	436612.5	3763367	2.031E-10	6.92E-10	8.96E-10	3.16E-11	1.13E-10	1.45E-10	1.70E-11	5.25E-11	6.95E-11
10134	436608.8	3763358	2.052E-10	7.00E-10	9.05E-10	3.19E-11	1.14E-10	1.46E-10	1.72E-11	5.30E-11	7.02E-11
10135	436605.1	3763349	2.073E-10	7.07E-10	9.14E-10	3.22E-11	1.15E-10	1.48E-10	1.73E-11	5.36E-11	7.09E-11
10136	436601.5	3763340	2.092E-10	7.13E-10	9.22E-10	3.25E-11	1.17E-10	1.49E-10	1.75E-11	5.40E-11	7.16E-11
10137	436597.8	3763331	2.109E-10	7.19E-10	9.30E-10	3.28E-11	1.18E-10	1.50E-10	1.77E-11	5.45E-11	7.22E-11
10138	436594.2	3763323	2.128E-10	7.26E-10	9.38E-10	3.31E-11	1.19E-10	1.52E-10	1.78E-11	5.50E-11	7.28E-11
10139	436590.5	3763314	2.146E-10	7.32E-10	9.46E-10	3.33E-11	1.20E-10	1.53E-10	1.80E-11	5.55E-11	7.34E-11
10140	436586.8	3763305	2.166E-10	7.39E-10	9.55E-10	3.37E-11	1.21E-10	1.54E-10	1.81E-11	5.60E-11	7.41E-11
10141	436583.2	3763296	2.186E-10	7.45E-10	9.64E-10	3.40E-11	1.22E-10	1.56E-10	1.83E-11	5.65E-11	7.48E-11
10142	436579.5	3763287	2.205E-10	7.52E-10	9.72E-10	3.43E-11	1.23E-10	1.57E-10	1.85E-11	5.70E-11	7.54E-11
10143	436575.9	3763279	2.224E-10	7.58E-10	9.81E-10	3.46E-11	1.24E-10	1.58E-10	1.86E-11	5.75E-11	7.61E-11
10144	436572.2	3763270	2.244E-10	7.65E-10	9.90E-10	3.49E-11	1.25E-10	1.60E-10	1.88E-11	5.80E-11	7.68E-11
10145	436568.5	3763261	2.264E-10	7.72E-10	9.98E-10	3.52E-11	1.26E-10	1.61E-10	1.89E-11	5.85E-11	7.74E-11
10146	436564.9	3763252	2.286E-10	7.79E-10	1.01E-09	3.55E-11	1.27E-10	1.63E-10	1.91E-11	5.91E-11	7.82E-11
10147	436561.2	3763243	2.308E-10	7.87E-10	1.02E-09	3.59E-11	1.29E-10	1.64E-10	1.93E-11	5.96E-11	7.90E-11
10148	436557.6	3763234	2.331E-10	7.95E-10	1.03E-09	3.62E-11	1.30E-10	1.66E-10	1.95E-11	6.02E-11	7.97E-11
10149	436553.9	3763226	2.351E-10	8.02E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.97E-11	6.07E-11	8.04E-11
10150	436550.2	3763217	2.367E-10	8.07E-10	1.04E-09	3.68E-11	1.32E-10	1.69E-10	1.98E-11	6.11E-11	8.10E-11
10151	436546.6	3763208	2.381E-10	8.12E-10	1.05E-09	3.70E-11	1.33E-10	1.70E-10	1.99E-11	6.15E-11	8.14E-11
10152	436542.9	3763199	2.395E-10	8.17E-10	1.06E-09	3.72E-11	1.33E-10	1.71E-10	2.00E-11	6.19E-11	8.19E-11
10153	436539.3	3763190	2.408E-10	8.21E-10	1.06E-09	3.74E-11	1.34E-10	1.72E-10	2.02E-11	6.22E-11	8.24E-11
10154	436535.6	3763181	2.421E-10	8.26E-10	1.07E-09	3.76E-11	1.35E-10	1.72E-10	2.03E-11	6.26E-11	8.28E-11
10155	436531.9	3763173	2.432E-10	8.29E-10	1.07E-09	3.78E-11	1.36E-10	1.73E-10	2.04E-11	6.29E-11	8.32E-11
10156	436528.3	3763164	2.444E-10	8.33E-10	1.08E-09	3.80E-11	1.36E-10	1.74E-10	2.05E-11	6.31E-11	8.36E-11
10157	436524.6	3763155	2.454E-10	8.37E-10	1.08E-09	3.81E-11	1.37E-10	1.75E-10	2.05E-11	6.34E-11	8.39E-11
10158	436521	3763146	2.464E-10	8.40E-10	1.09E-09	3.83E-11	1.37E-10	1.76E-10	2.06E-11	6.37E-11	8.43E-11
10159	436517.3	3763137	2.472E-10	8.43E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.39E-11	8.46E-11
10160	436513.6	3763128	2.481E-10	8.46E-10	1.09E-09	3.85E-11	1.38E-10	1.77E-10	2.08E-11	6.41E-11	8.49E-11
10161	436510	3763120	2.488E-10	8.48E-10	1.10E-09	3.87E-11	1.39E-10	1.77E-10	2.08E-11	6.43E-11	8.51E-11
10162	436506.3	3763111	2.494E-10	8.50E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.44E-11	8.53E-11
10163	436502.6	3763102	2.5E-10	8.52E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.46E-11	8.55E-11
10164	436499	3763093	2.504E-10	8.54E-10	1.10E-09	3.89E-11	1.39E-10	1.78E-10	2.10E-11	6.47E-11	8.57E-11
10165	436495.3	3763084	2.508E-10	8.55E-10	1.11E-09	3.90E-11	1.40E-10	1.79E-10	2.10E-11	6.48E-11	8.58E-11
10166	436491.7	3763076	2.512E-10	8.57E-10	1.11E-09	3.90E-11	1.40E-10	1.79E-10	2.10E-11	6.49E-11	8.59E-11
10167	436488	3763067	2.514E-10	8.57E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.10E-11	6.50E-11	8.60E-11
10168	436484.3	3763058	2.516E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.61E-11
10169	436480.7	3763049	2.517E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.61E-11
10170	436477	3763040	2.517E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.61E-11
10171	436473.4	3763031	2.517E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.61E-11
10172	436469.7	3763023	2.517E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.61E-11
10173	436466	3763014	2.515E-10	8.58E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.11E-11	6.50E-11	8.60E-11
10174	436462.4	3763005	2.514E-10	8.57E-10	1.11E-09	3.91E-11	1.40E-10	1.79E-10	2.10E-11	6.50E-11	8.60E-11
10175	436458.7	3762996	2.512E-10	8.57E-10	1.11E-09	3.90E-11	1.40E-10	1.79E-10	2.10E-11	6.49E-11	8.59E-11
10176	436455.1	3762987	2.509E-10	8.56E-10	1.11E-09	3.90E-11	1.40E-10	1.79E-10	2.10E-11	6.48E-11	8.58E-11
10177	436451.4	3762978	2.506E-10	8.55E-10	1.11E-09	3.89E-11	1.40E-10	1.79E-10	2.10E-11	6.48E-11	8.57E-11
10178	436447.7	3762970	2.503E-10	8.53E-10	1.10E-09	3.89E-11	1.39E-10	1.78E-10	2.09E-11	6.47E-11	8.56E-11
10179	436444.1	3762961	2.499E-10	8.52E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.46E-11	8.55E-11
10180	436440.4	3762952	2.496E-10	8.51E-10	1.10E-09	3.88E-11	1.39E-10	1.78E-10	2.09E-11	6.45E-11	8.54E-11
10181	436436.8	3762943	2.491E-10	8.50E-10	1.10E-09	3.87E-11	1.39E-10	1.77E-10	2.09E-11	6.44E-11	8.52E-11
10182	436433.1	3762934	2.486E-10	8.48E-10	1.10E-09	3.86E-11	1.39E-10	1.77E-10	2.08E-11	6.42E-11	8.51E-11
10183	436429.4	3762926	2.482E-10	8.46E-10	1.09E-09	3.86E-11	1.38E-10	1.77E-10	2.08E-11	6.41E-11	8.49E-11

10184	436425.8	3762917	2.476E-10	8.44E-10	1.09E-09	3.85E-11	1.38E-10	1.76E-10	2.07E-11	6.40E-11	8.47E-11
10185	436422.1	3762908	2.471E-10	8.43E-10	1.09E-09	3.84E-11	1.38E-10	1.76E-10	2.07E-11	6.38E-11	8.45E-11
10186	437365.8	3763824	1.231E-10	4.20E-10	5.43E-10	1.91E-11	6.86E-11	8.77E-11	1.03E-11	3.18E-11	4.21E-11
10187	437375.4	3763824	1.236E-10	4.22E-10	5.45E-10	1.92E-11	6.89E-11	8.81E-11	1.03E-11	3.19E-11	4.23E-11
10188	437385.1	3763824	1.242E-10	4.24E-10	5.48E-10	1.93E-11	6.92E-11	8.85E-11	1.04E-11	3.21E-11	4.25E-11
10189	437394.7	3763824	1.247E-10	4.25E-10	5.50E-10	1.94E-11	6.95E-11	8.88E-11	1.04E-11	3.22E-11	4.27E-11
10190	437404.4	3763824	1.252E-10	4.27E-10	5.52E-10	1.95E-11	6.97E-11	8.92E-11	1.05E-11	3.24E-11	4.28E-11
10191	437414	3763824	1.256E-10	4.28E-10	5.54E-10	1.95E-11	7.00E-11	8.95E-11	1.05E-11	3.25E-11	4.30E-11
10192	437423.7	3763824	1.261E-10	4.30E-10	5.56E-10	1.96E-11	7.02E-11	8.98E-11	1.06E-11	3.26E-11	4.31E-11
10193	437433.3	3763824	1.264E-10	4.31E-10	5.57E-10	1.96E-11	7.04E-11	9.01E-11	1.06E-11	3.27E-11	4.32E-11
10194	437443	3763824	1.268E-10	4.32E-10	5.59E-10	1.97E-11	7.06E-11	9.03E-11	1.06E-11	3.28E-11	4.34E-11
10195	437452.6	3763824	1.27E-10	4.33E-10	5.60E-10	1.97E-11	7.08E-11	9.05E-11	1.06E-11	3.28E-11	4.35E-11
10196	437462.3	3763824	1.274E-10	4.34E-10	5.62E-10	1.98E-11	7.10E-11	9.08E-11	1.07E-11	3.29E-11	4.36E-11
10197	437472	3763824	1.278E-10	4.36E-10	5.63E-10	1.98E-11	7.12E-11	9.10E-11	1.07E-11	3.30E-11	4.37E-11
10198	437481.6	3763824	1.28E-10	4.37E-10	5.65E-10	1.99E-11	7.13E-11	9.12E-11	1.07E-11	3.31E-11	4.38E-11
10199	437491.3	3763823	1.285E-10	4.38E-10	5.67E-10	2.00E-11	7.16E-11	9.15E-11	1.08E-11	3.32E-11	4.39E-11
10200	437500.9	3763823	1.29E-10	4.40E-10	5.69E-10	2.00E-11	7.19E-11	9.19E-11	1.08E-11	3.33E-11	4.41E-11
10201	437510.6	3763823	1.296E-10	4.42E-10	5.72E-10	2.01E-11	7.22E-11	9.23E-11	1.08E-11	3.35E-11	4.43E-11
10202	437520.2	3763823	1.302E-10	4.44E-10	5.74E-10	2.02E-11	7.25E-11	9.28E-11	1.09E-11	3.37E-11	4.46E-11
10203	437529.9	3763823	1.306E-10	4.45E-10	5.76E-10	2.03E-11	7.27E-11	9.30E-11	1.09E-11	3.37E-11	4.47E-11
10204	437539.5	3763823	1.309E-10	4.47E-10	5.77E-10	2.03E-11	7.29E-11	9.33E-11	1.10E-11	3.38E-11	4.48E-11
10205	437549.2	3763823	1.312E-10	4.47E-10	5.79E-10	2.04E-11	7.31E-11	9.35E-11	1.10E-11	3.39E-11	4.49E-11
10206	437357	3763860	1.163E-10	3.96E-10	5.13E-10	1.81E-11	6.48E-11	8.28E-11	9.73E-12	3.00E-11	3.98E-11
10207	437348.2	3763856	1.165E-10	3.97E-10	5.14E-10	1.81E-11	6.49E-11	8.30E-11	9.75E-12	3.01E-11	3.98E-11
10208	437339.3	3763853	1.166E-10	3.98E-10	5.14E-10	1.81E-11	6.50E-11	8.31E-11	9.76E-12	3.01E-11	3.99E-11
10209	437330.5	3763849	1.168E-10	3.98E-10	5.15E-10	1.82E-11	6.51E-11	8.32E-11	9.78E-12	3.02E-11	4.00E-11
10210	437321.6	3763845	1.171E-10	3.99E-10	5.16E-10	1.82E-11	6.52E-11	8.34E-11	9.80E-12	3.02E-11	4.00E-11
10211	437312.7	3763842	1.172E-10	4.00E-10	5.17E-10	1.82E-11	6.53E-11	8.35E-11	9.81E-12	3.03E-11	4.01E-11
10212	437303.9	3763838	1.173E-10	4.00E-10	5.17E-10	1.82E-11	6.54E-11	8.36E-11	9.82E-12	3.03E-11	4.01E-11
10213	437295	3763835	1.176E-10	4.01E-10	5.18E-10	1.83E-11	6.55E-11	8.37E-11	9.84E-12	3.04E-11	4.02E-11
10214	437286.2	3763831	1.178E-10	4.02E-10	5.19E-10	1.83E-11	6.56E-11	8.39E-11	9.86E-12	3.04E-11	4.03E-11
10215	437277.3	3763827	1.179E-10	4.02E-10	5.20E-10	1.83E-11	6.57E-11	8.40E-11	9.87E-12	3.05E-11	4.03E-11
10216	437268.5	3763824	1.18E-10	4.03E-10	5.21E-10	1.83E-11	6.58E-11	8.41E-11	9.88E-12	3.05E-11	4.04E-11
10217	437259.6	3763820	1.182E-10	4.03E-10	5.21E-10	1.84E-11	6.58E-11	8.42E-11	9.89E-12	3.05E-11	4.04E-11
10218	437250.8	3763816	1.183E-10	4.03E-10	5.22E-10	1.84E-11	6.59E-11	8.43E-11	9.90E-12	3.06E-11	4.05E-11
10219	437241.9	3763813	1.184E-10	4.04E-10	5.22E-10	1.84E-11	6.60E-11	8.44E-11	9.91E-12	3.06E-11	4.05E-11
10220	437233	3763809	1.185E-10	4.04E-10	5.23E-10	1.84E-11	6.60E-11	8.45E-11	9.92E-12	3.06E-11	4.06E-11
10221	437224.2	3763805	1.186E-10	4.04E-10	5.23E-10	1.84E-11	6.61E-11	8.45E-11	9.93E-12	3.06E-11	4.06E-11
10222	437215.3	3763802	1.187E-10	4.05E-10	5.23E-10	1.84E-11	6.61E-11	8.46E-11	9.93E-12	3.07E-11	4.06E-11
10223	437206.5	3763798	1.188E-10	4.05E-10	5.24E-10	1.85E-11	6.62E-11	8.46E-11	9.94E-12	3.07E-11	4.06E-11
10224	437197.6	3763794	1.188E-10	4.05E-10	5.24E-10	1.85E-11	6.62E-11	8.47E-11	9.95E-12	3.07E-11	4.06E-11
10225	437188.8	3763791	1.189E-10	4.05E-10	5.24E-10	1.85E-11	6.62E-11	8.47E-11	9.95E-12	3.07E-11	4.07E-11
10226	437179.9	3763787	1.19E-10	4.06E-10	5.25E-10	1.85E-11	6.63E-11	8.48E-11	9.96E-12	3.08E-11	4.07E-11
10227	437153.3	3763776	1.197E-10	4.08E-10	5.28E-10	1.86E-11	6.67E-11	8.53E-11	1.00E-11	3.09E-11	4.10E-11
10228	437144.5	3763772	1.2E-10	4.09E-10	5.29E-10	1.87E-11	6.69E-11	8.55E-11	1.00E-11	3.10E-11	4.11E-11
10229	437135.6	3763769	1.204E-10	4.11E-10	5.31E-10	1.87E-11	6.71E-11	8.58E-11	1.01E-11	3.11E-11	4.12E-11
10230	437126.8	3763765	1.207E-10	4.11E-10	5.32E-10	1.87E-11	6.72E-11	8.60E-11	1.01E-11	3.12E-11	4.13E-11
10231	437117.9	3763761	1.209E-10	4.12E-10	5.33E-10	1.88E-11	6.73E-11	8.61E-11	1.01E-11	3.12E-11	4.14E-11
10232	437109.1	3763758	1.211E-10	4.13E-10	5.34E-10	1.88E-11	6.75E-11	8.63E-11	1.01E-11	3.13E-11	4.14E-11
10233	437100.2	3763754	1.214E-10	4.14E-10	5.35E-10	1.89E-11	6.76E-11	8.65E-11	1.02E-11	3.14E-11	4.15E-11
10234	437091.4	3763751	1.214E-10	4.14E-10	5.36E-10	1.89E-11	6.77E-11	8.65E-11	1.02E-11	3.14E-11	4.15E-11
10235	437082.5	3763747	1.216E-10	4.15E-10	5.36E-10	1.89E-11	6.77E-11	8.66E-11	1.02E-11	3.14E-11	4.16E-11
10236	437073.6	3763743	1.217E-10	4.15E-10	5.37E-10	1.89E-11	6.78E-11	8.67E-11	1.02E-11	3.15E-11	4.16E-11
10237	437064.8	3763740	1.22E-10	4.16E-10	5.38E-10	1.90E-11	6.80E-11	8.69E-11	1.02E-11	3.15E-11	4.17E-11
10238	437055.9	3763736	1.224E-10	4.17E-10	5.40E-10	1.90E-11	6.82E-11	8.72E-11	1.02E-11	3.16E-11	4.19E-11
10239	437047.1	3763732	1.228E-10	4.19E-10	5.42E-10	1.91E-11	6.84E-11	8.75E-11	1.03E-11	3.17E-11	4.20E-11
10240	437038.2	3763729	1.233E-10	4.20E-10	5.44E-10	1.92E-11	6.87E-11	8.78E-11	1.03E-11	3.19E-11	4.22E-11
10241	437029.4	3763725	1.239E-10	4.23E-10	5.47E-10	1.93E-11	6.90E-11	8.83E-11	1.04E-11	3.20E-11	4.24E-11
10242	437020.5	3763721	1.246E-10	4.25E-10	5.49E-10	1.94E-11	6.94E-11	8.87E-11	1.04E-11	3.22E-11	4.26E-11
10243	437011.7	3763718	1.253E-10	4.27E-10	5.53E-10	1.95E-11	6.98E-11	8.93E-11	1.05E-11	3.24E-11	4.29E-11
10244	437002.8	3763714	1.261E-10	4.30E-10	5.56E-10	1.96E-11	7.02E-11	8.98E-11	1.06E-11	3.26E-11	4.31E-11

10245	436993.9	3763710	1.268E-10	4.32E-10	5.59E-10	1.97E-11	7.07E-11	9.04E-11	1.06E-11	3.28E-11	4.34E-11
10246	436985.1	3763707	1.277E-10	4.35E-10	5.63E-10	1.98E-11	7.11E-11	9.10E-11	1.07E-11	3.30E-11	4.37E-11
10247	436923.1	3763681	1.331E-10	4.54E-10	5.87E-10	2.07E-11	7.42E-11	9.49E-11	1.11E-11	3.44E-11	4.55E-11
10248	436914.2	3763677	1.337E-10	4.56E-10	5.90E-10	2.08E-11	7.45E-11	9.53E-11	1.12E-11	3.45E-11	4.57E-11
10249	436905.4	3763674	1.343E-10	4.58E-10	5.92E-10	2.09E-11	7.48E-11	9.57E-11	1.12E-11	3.47E-11	4.60E-11
10250	436896.5	3763670	1.351E-10	4.61E-10	5.96E-10	2.10E-11	7.52E-11	9.62E-11	1.13E-11	3.49E-11	4.62E-11
10251	436887.7	3763667	1.358E-10	4.63E-10	5.99E-10	2.11E-11	7.56E-11	9.67E-11	1.14E-11	3.51E-11	4.64E-11
10252	436878.8	3763663	1.365E-10	4.65E-10	6.02E-10	2.12E-11	7.60E-11	9.72E-11	1.14E-11	3.53E-11	4.67E-11
10253	436870	3763659	1.371E-10	4.68E-10	6.05E-10	2.13E-11	7.64E-11	9.77E-11	1.15E-11	3.54E-11	4.69E-11
10254	436861.1	3763656	1.377E-10	4.70E-10	6.07E-10	2.14E-11	7.67E-11	9.81E-11	1.15E-11	3.56E-11	4.71E-11
10255	436852.3	3763652	1.384E-10	4.72E-10	6.10E-10	2.15E-11	7.71E-11	9.86E-11	1.16E-11	3.58E-11	4.73E-11
10256	436843.4	3763648	1.39E-10	4.74E-10	6.13E-10	2.16E-11	7.74E-11	9.90E-11	1.16E-11	3.59E-11	4.76E-11
10257	436834.5	3763645	1.396E-10	4.76E-10	6.16E-10	2.17E-11	7.78E-11	9.94E-11	1.17E-11	3.61E-11	4.78E-11
10258	436825.7	3763641	1.402E-10	4.78E-10	6.18E-10	2.18E-11	7.81E-11	9.99E-11	1.17E-11	3.62E-11	4.79E-11
10259	436816.8	3763637	1.406E-10	4.79E-10	6.20E-10	2.18E-11	7.83E-11	1.00E-10	1.18E-11	3.63E-11	4.81E-11
10260	436746	3763608	1.435E-10	4.89E-10	6.33E-10	2.23E-11	7.99E-11	1.02E-10	1.20E-11	3.71E-11	4.91E-11
10261	436737.1	3763604	1.438E-10	4.90E-10	6.34E-10	2.23E-11	8.01E-11	1.02E-10	1.20E-11	3.72E-11	4.92E-11
10262	436728.3	3763601	1.443E-10	4.92E-10	6.36E-10	2.24E-11	8.04E-11	1.03E-10	1.21E-11	3.73E-11	4.94E-11
10263	436719.4	3763597	1.448E-10	4.94E-10	6.38E-10	2.25E-11	8.06E-11	1.03E-10	1.21E-11	3.74E-11	4.95E-11
10264	436710.6	3763593	1.452E-10	4.95E-10	6.40E-10	2.26E-11	8.09E-11	1.03E-10	1.22E-11	3.75E-11	4.97E-11
10265	436701.7	3763590	1.456E-10	4.97E-10	6.42E-10	2.26E-11	8.11E-11	1.04E-10	1.22E-11	3.76E-11	4.98E-11
10266	436692.9	3763586	1.46E-10	4.98E-10	6.44E-10	2.27E-11	8.13E-11	1.04E-10	1.22E-11	3.77E-11	5.00E-11
10267	436684	3763583	1.466E-10	5.00E-10	6.46E-10	2.28E-11	8.17E-11	1.04E-10	1.23E-11	3.79E-11	5.02E-11
10268	436675.1	3763579	1.472E-10	5.02E-10	6.49E-10	2.29E-11	8.20E-11	1.05E-10	1.23E-11	3.80E-11	5.03E-11
10269	436666.3	3763575	1.477E-10	5.04E-10	6.51E-10	2.29E-11	8.23E-11	1.05E-10	1.24E-11	3.82E-11	5.05E-11
10270	436653.8	3763563	1.501E-10	5.12E-10	6.62E-10	2.33E-11	8.36E-11	1.07E-10	1.26E-11	3.88E-11	5.13E-11
10271	436650.1	3763554	1.521E-10	5.19E-10	6.71E-10	2.36E-11	8.47E-11	1.08E-10	1.27E-11	3.93E-11	5.20E-11
10272	436646.4	3763545	1.54E-10	5.25E-10	6.79E-10	2.39E-11	8.58E-11	1.10E-10	1.29E-11	3.98E-11	5.27E-11
10273	436642.7	3763536	1.559E-10	5.32E-10	6.87E-10	2.42E-11	8.68E-11	1.11E-10	1.30E-11	4.03E-11	5.33E-11
10274	436639.1	3763527	1.578E-10	5.38E-10	6.96E-10	2.45E-11	8.79E-11	1.12E-10	1.32E-11	4.08E-11	5.40E-11
10275	436635.4	3763518	1.599E-10	5.45E-10	7.05E-10	2.48E-11	8.90E-11	1.14E-10	1.34E-11	4.13E-11	5.47E-11
10276	436631.7	3763510	1.619E-10	5.52E-10	7.14E-10	2.52E-11	9.02E-11	1.15E-10	1.36E-11	4.18E-11	5.54E-11
10277	436628.1	3763501	1.64E-10	5.59E-10	7.23E-10	2.55E-11	9.14E-11	1.17E-10	1.37E-11	4.24E-11	5.61E-11
10278	436624.4	3763492	1.662E-10	5.67E-10	7.33E-10	2.58E-11	9.26E-11	1.18E-10	1.39E-11	4.29E-11	5.68E-11
10279	436620.7	3763483	1.682E-10	5.74E-10	7.42E-10	2.61E-11	9.37E-11	1.20E-10	1.41E-11	4.35E-11	5.75E-11
10280	436617.1	3763474	1.703E-10	5.81E-10	7.51E-10	2.65E-11	9.48E-11	1.21E-10	1.43E-11	4.40E-11	5.82E-11
10281	436613.4	3763465	1.723E-10	5.88E-10	7.60E-10	2.68E-11	9.60E-11	1.23E-10	1.44E-11	4.45E-11	5.89E-11
10282	436609.7	3763457	1.744E-10	5.95E-10	7.69E-10	2.71E-11	9.72E-11	1.24E-10	1.46E-11	4.51E-11	5.97E-11
10283	436606	3763448	1.765E-10	6.02E-10	7.78E-10	2.74E-11	9.83E-11	1.26E-10	1.48E-11	4.56E-11	6.04E-11
10284	436602.4	3763439	1.786E-10	6.09E-10	7.87E-10	2.77E-11	9.95E-11	1.27E-10	1.49E-11	4.61E-11	6.11E-11
10285	436598.7	3763430	1.807E-10	6.16E-10	7.97E-10	2.81E-11	1.01E-10	1.29E-10	1.51E-11	4.67E-11	6.18E-11
10286	436595	3763421	1.827E-10	6.23E-10	8.06E-10	2.84E-11	1.02E-10	1.30E-10	1.53E-11	4.72E-11	6.25E-11
10287	436591.4	3763412	1.847E-10	6.30E-10	8.15E-10	2.87E-11	1.03E-10	1.32E-10	1.55E-11	4.77E-11	6.32E-11
10288	436587.7	3763403	1.868E-10	6.37E-10	8.24E-10	2.90E-11	1.04E-10	1.33E-10	1.56E-11	4.83E-11	6.39E-11
10289	436584	3763395	1.888E-10	6.44E-10	8.32E-10	2.93E-11	1.05E-10	1.34E-10	1.58E-11	4.88E-11	6.46E-11
10290	436580.4	3763386	1.906E-10	6.50E-10	8.41E-10	2.96E-11	1.06E-10	1.36E-10	1.60E-11	4.92E-11	6.52E-11
10291	436576.7	3763377	1.924E-10	6.56E-10	8.49E-10	2.99E-11	1.07E-10	1.37E-10	1.61E-11	4.97E-11	6.58E-11
10292	436573	3763368	1.942E-10	6.62E-10	8.56E-10	3.02E-11	1.08E-10	1.38E-10	1.63E-11	5.02E-11	6.64E-11
10293	436569.3	3763359	1.959E-10	6.68E-10	8.64E-10	3.04E-11	1.09E-10	1.40E-10	1.64E-11	5.06E-11	6.70E-11
10294	436565.7	3763350	1.975E-10	6.74E-10	8.71E-10	3.07E-11	1.10E-10	1.41E-10	1.65E-11	5.10E-11	6.76E-11
10295	436562	3763342	1.994E-10	6.80E-10	8.79E-10	3.10E-11	1.11E-10	1.42E-10	1.67E-11	5.15E-11	6.82E-11
10296	436558.3	3763333	2.013E-10	6.86E-10	8.88E-10	3.13E-11	1.12E-10	1.43E-10	1.68E-11	5.20E-11	6.89E-11
10297	436554.7	3763324	2.033E-10	6.93E-10	8.96E-10	3.16E-11	1.13E-10	1.45E-10	1.70E-11	5.25E-11	6.95E-11
10298	436551	3763315	2.051E-10	6.99E-10	9.05E-10	3.19E-11	1.14E-10	1.46E-10	1.72E-11	5.30E-11	7.02E-11
10299	436547.3	3763306	2.07E-10	7.06E-10	9.13E-10	3.22E-11	1.15E-10	1.48E-10	1.73E-11	5.35E-11	7.08E-11
10300	436543.7	3763297	2.09E-10	7.13E-10	9.21E-10	3.25E-11	1.16E-10	1.49E-10	1.75E-11	5.40E-11	7.15E-11
10301	436540	3763288	2.109E-10	7.19E-10	9.30E-10	3.28E-11	1.18E-10	1.50E-10	1.77E-11	5.45E-11	7.22E-11
10302	436536.3	3763280	2.129E-10	7.26E-10	9.39E-10	3.31E-11	1.19E-10	1.52E-10	1.78E-11	5.50E-11	7.28E-11
10303	436532.6	3763271	2.149E-10	7.33E-10	9.48E-10	3.34E-11	1.20E-10	1.53E-10	1.80E-11	5.55E-11	7.35E-11
10304	436529	3763262	2.168E-10	7.39E-10	9.56E-10	3.37E-11	1.21E-10	1.54E-10	1.81E-11	5.60E-11	7.42E-11
10305	436525.3	3763253	2.185E-10	7.45E-10	9.64E-10	3.40E-11	1.22E-10	1.56E-10	1.83E-11	5.65E-11	7.48E-11

10306	436521.6	3763244	2.199E-10	7.50E-10	9.70E-10	3.42E-11	1.23E-10	1.57E-10	1.84E-11	5.68E-11	7.52E-11
10307	436518	3763235	2.214E-10	7.55E-10	9.76E-10	3.44E-11	1.23E-10	1.58E-10	1.85E-11	5.72E-11	7.57E-11
10308	436514.3	3763227	2.226E-10	7.59E-10	9.82E-10	3.46E-11	1.24E-10	1.59E-10	1.86E-11	5.75E-11	7.62E-11
10309	436510.6	3763218	2.239E-10	7.63E-10	9.87E-10	3.48E-11	1.25E-10	1.60E-10	1.87E-11	5.79E-11	7.66E-11
10310	436506.9	3763209	2.251E-10	7.68E-10	9.93E-10	3.50E-11	1.25E-10	1.60E-10	1.88E-11	5.82E-11	7.70E-11
10311	436503.3	3763200	2.263E-10	7.72E-10	9.98E-10	3.52E-11	1.26E-10	1.61E-10	1.89E-11	5.85E-11	7.74E-11
10312	436499.6	3763191	2.274E-10	7.75E-10	1.00E-09	3.53E-11	1.27E-10	1.62E-10	1.90E-11	5.88E-11	7.78E-11
10313	436495.9	3763182	2.284E-10	7.79E-10	1.01E-09	3.55E-11	1.27E-10	1.63E-10	1.91E-11	5.90E-11	7.81E-11
10314	436492.3	3763173	2.294E-10	7.82E-10	1.01E-09	3.56E-11	1.28E-10	1.63E-10	1.92E-11	5.93E-11	7.85E-11
10315	436488.6	3763165	2.302E-10	7.85E-10	1.02E-09	3.58E-11	1.28E-10	1.64E-10	1.93E-11	5.95E-11	7.88E-11
10316	436484.9	3763156	2.311E-10	7.88E-10	1.02E-09	3.59E-11	1.29E-10	1.65E-10	1.93E-11	5.97E-11	7.90E-11
10317	436481.3	3763147	2.318E-10	7.90E-10	1.02E-09	3.60E-11	1.29E-10	1.65E-10	1.94E-11	5.99E-11	7.93E-11
10318	436477.6	3763138	2.325E-10	7.93E-10	1.03E-09	3.61E-11	1.30E-10	1.66E-10	1.95E-11	6.01E-11	7.95E-11
10319	436473.9	3763129	2.331E-10	7.95E-10	1.03E-09	3.62E-11	1.30E-10	1.66E-10	1.95E-11	6.02E-11	7.97E-11
10320	436470.2	3763120	2.336E-10	7.97E-10	1.03E-09	3.63E-11	1.30E-10	1.66E-10	1.96E-11	6.04E-11	7.99E-11
10321	436466.6	3763111	2.341E-10	7.98E-10	1.03E-09	3.64E-11	1.30E-10	1.67E-10	1.96E-11	6.05E-11	8.01E-11
10322	436462.9	3763103	2.345E-10	8.00E-10	1.03E-09	3.64E-11	1.31E-10	1.67E-10	1.96E-11	6.06E-11	8.02E-11
10323	436459.2	3763094	2.348E-10	8.01E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.97E-11	6.07E-11	8.03E-11
10324	436455.6	3763085	2.351E-10	8.02E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.97E-11	6.07E-11	8.04E-11
10325	436451.9	3763076	2.353E-10	8.02E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.08E-11	8.05E-11
10326	436448.2	3763067	2.355E-10	8.03E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.08E-11	8.05E-11
10327	436444.6	3763058	2.355E-10	8.03E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.09E-11	8.06E-11
10328	436440.9	3763050	2.356E-10	8.03E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.09E-11	8.06E-11
10329	436437.2	3763041	2.356E-10	8.03E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.09E-11	8.06E-11
10330	436433.5	3763032	2.355E-10	8.03E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.09E-11	8.06E-11
10331	436429.9	3763023	2.354E-10	8.03E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.08E-11	8.05E-11
10332	436426.2	3763014	2.352E-10	8.02E-10	1.04E-09	3.66E-11	1.31E-10	1.68E-10	1.97E-11	6.08E-11	8.05E-11
10333	436422.5	3763005	2.35E-10	8.01E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.97E-11	6.07E-11	8.04E-11
10334	436418.9	3762996	2.347E-10	8.00E-10	1.04E-09	3.65E-11	1.31E-10	1.67E-10	1.96E-11	6.07E-11	8.03E-11
10335	436415.2	3762988	2.345E-10	7.99E-10	1.03E-09	3.64E-11	1.31E-10	1.67E-10	1.96E-11	6.06E-11	8.02E-11
10336	436411.5	3762979	2.342E-10	7.99E-10	1.03E-09	3.64E-11	1.30E-10	1.67E-10	1.96E-11	6.05E-11	8.01E-11
10337	436407.8	3762970	2.339E-10	7.98E-10	1.03E-09	3.63E-11	1.30E-10	1.67E-10	1.96E-11	6.04E-11	8.00E-11
10338	436404.2	3762961	2.335E-10	7.96E-10	1.03E-09	3.63E-11	1.30E-10	1.66E-10	1.95E-11	6.03E-11	7.99E-11
10339	436400.5	3762952	2.331E-10	7.95E-10	1.03E-09	3.62E-11	1.30E-10	1.66E-10	1.95E-11	6.02E-11	7.97E-11
10340	436396.8	3762943	2.327E-10	7.93E-10	1.03E-09	3.62E-11	1.30E-10	1.66E-10	1.95E-11	6.01E-11	7.96E-11
10341	436393.2	3762935	2.323E-10	7.92E-10	1.02E-09	3.61E-11	1.29E-10	1.65E-10	1.94E-11	6.00E-11	7.95E-11
10342	436389.5	3762926	2.318E-10	7.91E-10	1.02E-09	3.60E-11	1.29E-10	1.65E-10	1.94E-11	5.99E-11	7.93E-11
10343	436385.8	3762917	2.313E-10	7.89E-10	1.02E-09	3.59E-11	1.29E-10	1.65E-10	1.94E-11	5.98E-11	7.91E-11
10344	436382.2	3762908	2.308E-10	7.87E-10	1.02E-09	3.59E-11	1.29E-10	1.64E-10	1.93E-11	5.96E-11	7.89E-11
10345	437365.9	3763864	1.161E-10	3.96E-10	5.12E-10	1.80E-11	6.47E-11	8.27E-11	9.72E-12	3.00E-11	3.97E-11
10346	437375.5	3763864	1.166E-10	3.97E-10	5.14E-10	1.81E-11	6.49E-11	8.30E-11	9.76E-12	3.01E-11	3.99E-11
10347	437385.2	3763864	1.171E-10	3.99E-10	5.16E-10	1.82E-11	6.52E-11	8.34E-11	9.80E-12	3.02E-11	4.00E-11
10348	437394.8	3763864	1.175E-10	4.01E-10	5.18E-10	1.83E-11	6.54E-11	8.37E-11	9.83E-12	3.04E-11	4.02E-11
10349	437404.5	3763864	1.179E-10	4.02E-10	5.20E-10	1.83E-11	6.57E-11	8.40E-11	9.87E-12	3.05E-11	4.03E-11
10350	437414.1	3763864	1.182E-10	4.03E-10	5.21E-10	1.84E-11	6.58E-11	8.42E-11	9.89E-12	3.05E-11	4.04E-11
10351	437423.8	3763864	1.185E-10	4.04E-10	5.22E-10	1.84E-11	6.60E-11	8.44E-11	9.92E-12	3.06E-11	4.05E-11
10352	437433.4	3763864	1.188E-10	4.05E-10	5.24E-10	1.85E-11	6.62E-11	8.46E-11	9.94E-12	3.07E-11	4.06E-11
10353	437443.1	3763864	1.19E-10	4.06E-10	5.25E-10	1.85E-11	6.63E-11	8.48E-11	9.96E-12	3.08E-11	4.07E-11
10354	437452.7	3763864	1.193E-10	4.07E-10	5.26E-10	1.85E-11	6.65E-11	8.50E-11	9.99E-12	3.08E-11	4.08E-11
10355	437462.4	3763864	1.196E-10	4.08E-10	5.27E-10	1.86E-11	6.66E-11	8.52E-11	1.00E-11	3.09E-11	4.09E-11
10356	437472	3763864	1.2E-10	4.09E-10	5.29E-10	1.86E-11	6.68E-11	8.55E-11	1.00E-11	3.10E-11	4.10E-11
10357	437481.7	3763864	1.202E-10	4.10E-10	5.30E-10	1.87E-11	6.70E-11	8.57E-11	1.01E-11	3.11E-11	4.11E-11
10358	437491.3	3763863	1.207E-10	4.11E-10	5.32E-10	1.87E-11	6.72E-11	8.60E-11	1.01E-11	3.12E-11	4.13E-11
10359	437501	3763863	1.21E-10	4.13E-10	5.34E-10	1.88E-11	6.74E-11	8.62E-11	1.01E-11	3.13E-11	4.14E-11
10360	437510.6	3763863	1.214E-10	4.14E-10	5.35E-10	1.89E-11	6.76E-11	8.65E-11	1.02E-11	3.14E-11	4.15E-11
10361	437520.3	3763863	1.217E-10	4.15E-10	5.37E-10	1.89E-11	6.78E-11	8.67E-11	1.02E-11	3.15E-11	4.16E-11
10362	437529.9	3763863	1.221E-10	4.16E-10	5.38E-10	1.90E-11	6.80E-11	8.70E-11	1.02E-11	3.15E-11	4.18E-11
10363	437539.6	3763863	1.225E-10	4.18E-10	5.40E-10	1.90E-11	6.82E-11	8.73E-11	1.03E-11	3.17E-11	4.19E-11
10364	437549.2	3763863	1.229E-10	4.19E-10	5.42E-10	1.91E-11	6.85E-11	8.76E-11	1.03E-11	3.18E-11	4.21E-11
10365	437577.6	3763372	4.363E-10	1.49E-09	1.92E-09	6.78E-11	2.43E-10	3.11E-10	3.65E-11	1.13E-10	1.49E-10
10366	437579.6	3763402	3.85E-10	1.31E-09	1.70E-09	5.98E-11	2.14E-10	2.74E-10	3.22E-11	9.95E-11	1.32E-10

10367	437581.5	3763432	3.444E-10	1.17E-09	1.52E-09	5.35E-11	1.92E-10	2.45E-10	2.88E-11	8.90E-11	1.18E-10
10368	437583.5	3763462	3.109E-10	1.06E-09	1.37E-09	4.83E-11	1.73E-10	2.22E-10	2.60E-11	8.03E-11	1.06E-10
10369	437586.1	3763502	2.753E-10	9.39E-10	1.21E-09	4.28E-11	1.53E-10	1.96E-10	2.30E-11	7.11E-11	9.42E-11
10370	437591.2	3763582	2.235E-10	7.62E-10	9.86E-10	3.47E-11	1.24E-10	1.59E-10	1.87E-11	5.77E-11	7.64E-11
10371	437582.1	3763582	2.216E-10	7.56E-10	9.77E-10	3.44E-11	1.23E-10	1.58E-10	1.86E-11	5.73E-11	7.58E-11
10372	437593.9	3763622	2.027E-10	6.91E-10	8.94E-10	3.15E-11	1.13E-10	1.44E-10	1.70E-11	5.24E-11	6.93E-11
10373	437584.9	3763622	2.016E-10	6.87E-10	8.89E-10	3.13E-11	1.12E-10	1.44E-10	1.69E-11	5.21E-11	6.90E-11
10374	437596.5	3763662	1.831E-10	6.24E-10	8.07E-10	2.84E-11	1.02E-10	1.30E-10	1.53E-11	4.73E-11	6.26E-11
10375	437584.6	3763662	1.818E-10	6.20E-10	8.02E-10	2.82E-11	1.01E-10	1.30E-10	1.52E-11	4.70E-11	6.22E-11
10376	437599.2	3763702	1.676E-10	5.71E-10	7.39E-10	2.60E-11	9.33E-11	1.19E-10	1.40E-11	4.33E-11	5.73E-11
10377	437587.3	3763702	1.665E-10	5.68E-10	7.34E-10	2.59E-11	9.28E-11	1.19E-10	1.39E-11	4.30E-11	5.70E-11
10378	437575.5	3763702	1.657E-10	5.65E-10	7.31E-10	2.58E-11	9.23E-11	1.18E-10	1.39E-11	4.28E-11	5.67E-11
10379	437563.7	3763703	1.653E-10	5.64E-10	7.29E-10	2.57E-11	9.21E-11	1.18E-10	1.38E-11	4.27E-11	5.65E-11
10380	437601.8	3763742	1.557E-10	5.31E-10	6.86E-10	2.42E-11	8.67E-11	1.11E-10	1.30E-11	4.02E-11	5.33E-11
10381	437590.1	3763742	1.548E-10	5.28E-10	6.82E-10	2.40E-11	8.62E-11	1.10E-10	1.30E-11	4.00E-11	5.29E-11
10382	437578.3	3763742	1.539E-10	5.25E-10	6.79E-10	2.39E-11	8.57E-11	1.10E-10	1.29E-11	3.98E-11	5.26E-11
10383	437566.6	3763743	1.533E-10	5.23E-10	6.76E-10	2.38E-11	8.54E-11	1.09E-10	1.28E-11	3.96E-11	5.25E-11
10384	437604.4	3763781	1.448E-10	4.94E-10	6.39E-10	2.25E-11	8.07E-11	1.03E-10	1.21E-11	3.74E-11	4.95E-11
10385	437592.8	3763782	1.438E-10	4.90E-10	6.34E-10	2.23E-11	8.01E-11	1.02E-10	1.20E-11	3.72E-11	4.92E-11
10386	437581.1	3763782	1.428E-10	4.87E-10	6.30E-10	2.22E-11	7.96E-11	1.02E-10	1.20E-11	3.69E-11	4.89E-11
10387	437569.5	3763783	1.423E-10	4.85E-10	6.27E-10	2.21E-11	7.93E-11	1.01E-10	1.19E-11	3.68E-11	4.87E-11
10388	437606.9	3763821	1.355E-10	4.62E-10	5.97E-10	2.10E-11	7.55E-11	9.65E-11	1.13E-11	3.50E-11	4.63E-11
10389	437597.8	3763822	1.347E-10	4.59E-10	5.94E-10	2.09E-11	7.50E-11	9.60E-11	1.13E-11	3.48E-11	4.61E-11
10390	437588.7	3763822	1.338E-10	4.56E-10	5.90E-10	2.08E-11	7.46E-11	9.54E-11	1.12E-11	3.46E-11	4.58E-11
10391	437579.6	3763822	1.331E-10	4.54E-10	5.87E-10	2.07E-11	7.42E-11	9.49E-11	1.11E-11	3.44E-11	4.55E-11
10392	437570.4	3763823	1.325E-10	4.52E-10	5.84E-10	2.06E-11	7.38E-11	9.44E-11	1.11E-11	3.42E-11	4.53E-11
10393	437561.3	3763823	1.319E-10	4.50E-10	5.82E-10	2.05E-11	7.35E-11	9.40E-11	1.10E-11	3.41E-11	4.51E-11
10394	437609.6	3763861	1.27E-10	4.33E-10	5.60E-10	1.97E-11	7.07E-11	9.05E-11	1.06E-11	3.28E-11	4.34E-11
10395	437600.5	3763862	1.263E-10	4.31E-10	5.57E-10	1.96E-11	7.03E-11	9.00E-11	1.06E-11	3.26E-11	4.32E-11
10396	437591.5	3763862	1.255E-10	4.28E-10	5.53E-10	1.95E-11	6.99E-11	8.94E-11	1.05E-11	3.24E-11	4.29E-11
10397	437582.4	3763862	1.248E-10	4.26E-10	5.51E-10	1.94E-11	6.95E-11	8.89E-11	1.04E-11	3.23E-11	4.27E-11
10398	437573.4	3763863	1.242E-10	4.24E-10	5.48E-10	1.93E-11	6.92E-11	8.85E-11	1.04E-11	3.21E-11	4.25E-11
10399	437564.3	3763863	1.237E-10	4.22E-10	5.46E-10	1.92E-11	6.89E-11	8.81E-11	1.04E-11	3.20E-11	4.23E-11
10400	438571.8	3763104	1.184E-09	4.04E-09	5.22E-09	1.84E-10	6.60E-10	8.44E-10	9.91E-11	3.06E-10	4.05E-10
10401	439040.9	3762827	4.939E-10	1.68E-09	2.18E-09	7.67E-11	2.75E-10	3.52E-10	4.13E-11	1.28E-10	1.69E-10
10402	439034.6	3762789	4.805E-10	1.64E-09	2.12E-09	7.47E-11	2.68E-10	3.42E-10	4.02E-11	1.24E-10	1.64E-10
10403	439031.1	3762754	4.664E-10	1.59E-09	2.06E-09	7.25E-11	2.60E-10	3.32E-10	3.90E-11	1.21E-10	1.60E-10
10404	439067.5	3762824	4.765E-10	1.62E-09	2.10E-09	7.40E-11	2.65E-10	3.39E-10	3.99E-11	1.23E-10	1.63E-10
10405	439087.9	3762821	4.642E-10	1.58E-09	2.05E-09	7.21E-11	2.59E-10	3.31E-10	3.89E-11	1.20E-10	1.59E-10
10406	439128.5	3762787	4.295E-10	1.46E-09	1.89E-09	6.67E-11	2.39E-10	3.06E-10	3.60E-11	1.11E-10	1.47E-10
10407	439099.1	3762753	4.306E-10	1.47E-09	1.90E-09	6.69E-11	2.40E-10	3.07E-10	3.60E-11	1.11E-10	1.47E-10
10408	439061.2	3762757	4.513E-10	1.54E-09	1.99E-09	7.01E-11	2.51E-10	3.22E-10	3.78E-11	1.17E-10	1.54E-10
10409	438582.1	3763253	1.074E-09	3.66E-09	4.74E-09	1.67E-10	5.98E-10	7.65E-10	8.99E-11	2.77E-10	3.67E-10
10410	438605.2	3763254	1.038E-09	3.54E-09	4.58E-09	1.61E-10	5.78E-10	7.40E-10	8.69E-11	2.68E-10	3.55E-10
10411	438634	3763256	9.971E-10	3.40E-09	4.40E-09	1.55E-10	5.55E-10	7.10E-10	8.35E-11	2.58E-10	3.41E-10
10412	438655	3763256	9.694E-10	3.31E-09	4.27E-09	1.51E-10	5.40E-10	6.91E-10	8.11E-11	2.50E-10	3.32E-10
10413	438669	3763250	9.514E-10	3.24E-09	4.20E-09	1.48E-10	5.30E-10	6.78E-10	7.96E-11	2.46E-10	3.25E-10
10414	438687.9	3763261	9.203E-10	3.14E-09	4.06E-09	1.43E-10	5.13E-10	6.56E-10	7.70E-11	2.38E-10	3.15E-10
10415	438687.9	3763249	9.273E-10	3.16E-09	4.09E-09	1.44E-10	5.17E-10	6.61E-10	7.76E-11	2.40E-10	3.17E-10
10416	438688.6	3763216	9.451E-10	3.22E-09	4.17E-09	1.47E-10	5.26E-10	6.73E-10	7.91E-11	2.44E-10	3.23E-10
10417	438716.7	3763217	9.061E-10	3.09E-09	4.00E-09	1.41E-10	5.05E-10	6.46E-10	7.58E-11	2.34E-10	3.10E-10
10418	438721.6	3763197	9.059E-10	3.09E-09	4.00E-09	1.41E-10	5.05E-10	6.45E-10	7.58E-11	2.34E-10	3.10E-10
10419	438722.3	3763173	9.105E-10	3.10E-09	4.02E-09	1.41E-10	5.07E-10	6.49E-10	7.62E-11	2.35E-10	3.11E-10
10420	438725.1	3763151	9.1E-10	3.10E-09	4.01E-09	1.41E-10	5.07E-10	6.48E-10	7.62E-11	2.35E-10	3.11E-10
10421	438711.1	3763121	9.316E-10	3.18E-09	4.11E-09	1.45E-10	5.19E-10	6.64E-10	7.80E-11	2.41E-10	3.19E-10
10422	438683	3763115	9.748E-10	3.32E-09	4.30E-09	1.51E-10	5.43E-10	6.95E-10	8.16E-11	2.52E-10	3.33E-10
10423	438697.8	3763097	9.509E-10	3.24E-09	4.19E-09	1.48E-10	5.30E-10	6.78E-10	7.96E-11	2.46E-10	3.25E-10
10424	438640.3	3763092	1.048E-09	3.57E-09	4.62E-09	1.63E-10	5.84E-10	7.47E-10	8.77E-11	2.71E-10	3.58E-10

			T2		T2L3		T4f	
			832	437586.01				
			9.37E-03	3.20E-02	1.46E-03	5.22E-03	7.85E-04	2.42E-03
	UTM X	UTM Y	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	437577	3762904	3.29E-03	1.12E-02	5.11E-04	1.83E-03	2.76E-04	8.51E-04
2	437583.4	3762912	2.78E-03	9.48E-03	4.32E-04	1.55E-03	2.33E-04	7.19E-04
3	437619.9	3762959	1.25E-03	4.26E-03	1.94E-04	6.95E-04	1.04E-04	3.23E-04
4	437608.3	3762964	1.14E-03	3.88E-03	1.77E-04	6.34E-04	9.53E-05	2.94E-04
5	437596.7	3762968	1.03E-03	3.50E-03	1.59E-04	5.72E-04	8.59E-05	2.65E-04
6	437585.1	3762973	9.16E-04	3.12E-03	1.42E-04	5.10E-04	7.67E-05	2.37E-04
7	437632	3762975	1.00E-03	3.43E-03	1.56E-04	5.60E-04	8.41E-05	2.60E-04
8	437619.9	3762980	9.13E-04	3.11E-03	1.42E-04	5.09E-04	7.64E-05	2.36E-04
9	437607.8	3762984	8.21E-04	2.80E-03	1.28E-04	4.57E-04	6.87E-05	2.12E-04
10	437595.7	3762989	7.32E-04	2.50E-03	1.14E-04	4.08E-04	6.13E-05	1.89E-04
11	437583.6	3762994	6.49E-04	2.21E-03	1.01E-04	3.62E-04	5.43E-05	1.68E-04
12	437644.3	3762991	8.22E-04	2.80E-03	1.28E-04	4.58E-04	6.88E-05	2.12E-04
13	437632.4	3762996	7.53E-04	2.57E-03	1.17E-04	4.19E-04	6.30E-05	1.95E-04
14	437620.4	3763000	6.82E-04	2.33E-03	1.06E-04	3.80E-04	5.71E-05	1.76E-04
15	437608.5	3763005	6.13E-04	2.09E-03	9.53E-05	3.42E-04	5.13E-05	1.58E-04
16	437596.5	3763009	5.48E-04	1.87E-03	8.52E-05	3.05E-04	4.59E-05	1.42E-04
17	437584.6	3763014	4.88E-04	1.66E-03	7.58E-05	2.72E-04	4.09E-05	1.26E-04
18	437656.6	3763007	6.88E-04	2.35E-03	1.07E-04	3.83E-04	5.76E-05	1.78E-04
19	437644.8	3763011	6.33E-04	2.16E-03	9.84E-05	3.53E-04	5.30E-05	1.64E-04
20	437633	3763016	5.77E-04	1.97E-03	8.96E-05	3.21E-04	4.83E-05	1.49E-04
21	437621.1	3763020	5.21E-04	1.78E-03	8.10E-05	2.90E-04	4.36E-05	1.35E-04
22	437609.3	3763025	4.69E-04	1.60E-03	7.28E-05	2.61E-04	3.92E-05	1.21E-04
23	437597.5	3763029	4.21E-04	1.44E-03	6.54E-05	2.35E-04	3.52E-05	1.09E-04
24	437585.7	3763034	3.78E-04	1.29E-03	5.88E-05	2.11E-04	3.17E-05	9.77E-05
25	437620.1	3763041	3.97E-04	1.35E-03	6.16E-05	2.21E-04	3.32E-05	1.03E-04
26	437607.9	3763046	3.58E-04	1.22E-03	5.56E-05	1.99E-04	3.00E-05	9.25E-05
27	437595.8	3763050	3.23E-04	1.10E-03	5.02E-05	1.80E-04	2.71E-05	8.35E-05
28	437583.6	3763055	2.92E-04	9.95E-04	4.53E-05	1.63E-04	2.44E-05	7.54E-05
29	437644.9	3763052	3.77E-04	1.29E-03	5.86E-05	2.10E-04	3.16E-05	9.74E-05
30	437632.9	3763057	3.43E-04	1.17E-03	5.33E-05	1.91E-04	2.87E-05	8.86E-05
31	437620.8	3763061	3.12E-04	1.06E-03	4.85E-05	1.74E-04	2.61E-05	8.06E-05
32	437608.8	3763066	2.84E-04	9.68E-04	4.41E-05	1.58E-04	2.38E-05	7.33E-05
33	437596.7	3763070	2.58E-04	8.79E-04	4.01E-05	1.44E-04	2.16E-05	6.66E-05
34	437584.7	3763075	2.35E-04	8.00E-04	3.64E-05	1.31E-04	1.96E-05	6.06E-05
35	437693.4	3763054	4.15E-04	1.42E-03	6.45E-05	2.31E-04	3.48E-05	1.07E-04
36	437681.4	3763059	3.85E-04	1.31E-03	5.99E-05	2.15E-04	3.23E-05	9.96E-05
37	437669.5	3763063	3.56E-04	1.21E-03	5.53E-05	1.98E-04	2.98E-05	9.20E-05
38	437657.5	3763068	3.26E-04	1.11E-03	5.07E-05	1.82E-04	2.73E-05	8.43E-05
39	437645.6	3763072	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.49E-05	7.70E-05
40	437633.6	3763077	2.72E-04	9.28E-04	4.23E-05	1.52E-04	2.28E-05	7.03E-05
41	437621.7	3763081	2.49E-04	8.50E-04	3.88E-05	1.39E-04	2.09E-05	6.44E-05
42	437609.7	3763086	2.28E-04	7.79E-04	3.55E-05	1.27E-04	1.91E-05	5.90E-05
43	437597.8	3763091	2.08E-04	7.11E-04	3.24E-05	1.16E-04	1.74E-05	5.38E-05
44	437585.8	3763095	1.91E-04	6.50E-04	2.96E-05	1.06E-04	1.59E-05	4.92E-05
45	437705.6	3763070	3.58E-04	1.22E-03	5.56E-05	2.00E-04	3.00E-05	9.25E-05
46	437693.4	3763075	3.32E-04	1.13E-03	5.15E-05	1.85E-04	2.78E-05	8.57E-05
47	437681.2	3763079	3.07E-04	1.05E-03	4.76E-05	1.71E-04	2.57E-05	7.92E-05
48	437668.9	3763084	2.83E-04	9.64E-04	4.39E-05	1.58E-04	2.37E-05	7.31E-05

49	437656.7	3763089	2.59E-04	8.84E-04	4.03E-05	1.44E-04	2.17E-05	6.70E-05
50	437644.5	3763093	2.37E-04	8.08E-04	3.68E-05	1.32E-04	1.98E-05	6.13E-05
51	437632.3	3763098	2.17E-04	7.40E-04	3.37E-05	1.21E-04	1.82E-05	5.61E-05
52	437620.1	3763103	1.99E-04	6.78E-04	3.09E-05	1.11E-04	1.66E-05	5.14E-05
53	437607.9	3763107	1.82E-04	6.21E-04	2.83E-05	1.01E-04	1.52E-05	4.70E-05
54	437595.7	3763112	1.67E-04	5.69E-04	2.59E-05	9.29E-05	1.40E-05	4.31E-05
55	437705.8	3763090	2.91E-04	9.94E-04	4.53E-05	1.62E-04	2.44E-05	7.53E-05
56	437693.6	3763095	2.70E-04	9.22E-04	4.20E-05	1.51E-04	2.26E-05	6.99E-05
57	437681.5	3763100	2.50E-04	8.53E-04	3.89E-05	1.39E-04	2.09E-05	6.46E-05
58	437669.4	3763104	2.30E-04	7.86E-04	3.58E-05	1.28E-04	1.93E-05	5.96E-05
59	437657.3	3763109	2.12E-04	7.22E-04	3.29E-05	1.18E-04	1.77E-05	5.47E-05
60	437645.2	3763113	1.94E-04	6.62E-04	3.02E-05	1.08E-04	1.63E-05	5.02E-05
61	437633.1	3763118	1.78E-04	6.07E-04	2.77E-05	9.92E-05	1.49E-05	4.60E-05
62	437706.1	3763111	2.41E-04	8.21E-04	3.74E-05	1.34E-04	2.02E-05	6.22E-05
63	437694.1	3763115	2.23E-04	7.61E-04	3.47E-05	1.24E-04	1.87E-05	5.77E-05
64	437682.1	3763120	2.06E-04	7.03E-04	3.20E-05	1.15E-04	1.73E-05	5.33E-05
65	437670	3763124	1.90E-04	6.49E-04	2.96E-05	1.06E-04	1.59E-05	4.91E-05
66	437621.9	3763143	1.36E-04	4.63E-04	2.11E-05	7.57E-05	1.14E-05	3.51E-05
67	437609.9	3763147	1.26E-04	4.28E-04	1.95E-05	6.99E-05	1.05E-05	3.24E-05
68	437597.9	3763152	1.17E-04	4.00E-04	1.82E-05	6.54E-05	9.82E-06	3.03E-05
69	437585.9	3763156	1.10E-04	3.75E-04	1.71E-05	6.13E-05	9.21E-06	2.84E-05
70	437748.5	3763125	2.31E-04	7.88E-04	3.59E-05	1.29E-04	1.94E-05	5.97E-05
71	437628	3763171	1.10E-04	3.77E-04	1.72E-05	6.15E-05	9.25E-06	2.85E-05
72	437616	3763176	1.03E-04	3.51E-04	1.60E-05	5.73E-05	8.61E-06	2.66E-05
73	437603.9	3763180	9.66E-05	3.29E-04	1.50E-05	5.38E-05	8.08E-06	2.50E-05
74	437591.9	3763185	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
75	437579.8	3763189	8.60E-05	2.93E-04	1.34E-05	4.79E-05	7.20E-06	2.22E-05
76	437766.9	3763149	1.96E-04	6.69E-04	3.05E-05	1.09E-04	1.64E-05	5.07E-05
77	437754.9	3763154	1.84E-04	6.26E-04	2.85E-05	1.02E-04	1.54E-05	4.74E-05
78	437742.8	3763158	1.72E-04	5.86E-04	2.67E-05	9.58E-05	1.44E-05	4.44E-05
79	437730.7	3763163	1.61E-04	5.48E-04	2.50E-05	8.96E-05	1.35E-05	4.16E-05
80	437718.6	3763167	1.50E-04	5.12E-04	2.33E-05	8.37E-05	1.26E-05	3.88E-05
81	437706.6	3763172	1.40E-04	4.78E-04	2.18E-05	7.81E-05	1.17E-05	3.62E-05
82	437694.5	3763177	1.30E-04	4.44E-04	2.02E-05	7.26E-05	1.09E-05	3.37E-05
83	437682.4	3763181	1.21E-04	4.12E-04	1.88E-05	6.73E-05	1.01E-05	3.12E-05
84	437670.3	3763186	1.12E-04	3.83E-04	1.74E-05	6.25E-05	9.39E-06	2.90E-05
85	437658.3	3763190	1.04E-04	3.56E-04	1.62E-05	5.82E-05	8.74E-06	2.70E-05
86	437622.1	3763204	8.59E-05	2.93E-04	1.33E-05	4.79E-05	7.19E-06	2.22E-05
87	437610	3763209	8.12E-05	2.77E-04	1.26E-05	4.52E-05	6.80E-06	2.10E-05
88	437597.9	3763213	7.67E-05	2.62E-04	1.19E-05	4.27E-05	6.42E-06	1.98E-05
89	437585.8	3763218	7.27E-05	2.48E-04	1.13E-05	4.05E-05	6.08E-06	1.88E-05
90	437785.3	3763173	1.69E-04	5.76E-04	2.62E-05	9.40E-05	1.41E-05	4.36E-05
91	437773.2	3763177	1.58E-04	5.40E-04	2.46E-05	8.82E-05	1.33E-05	4.09E-05
92	437761.1	3763182	1.48E-04	5.05E-04	2.30E-05	8.25E-05	1.24E-05	3.82E-05
93	437749	3763187	1.38E-04	4.72E-04	2.15E-05	7.71E-05	1.16E-05	3.58E-05
94	437736.9	3763191	1.29E-04	4.41E-04	2.01E-05	7.21E-05	1.08E-05	3.34E-05
95	437724.9	3763196	1.21E-04	4.12E-04	1.88E-05	6.73E-05	1.01E-05	3.12E-05
96	437712.8	3763200	1.13E-04	3.85E-04	1.76E-05	6.30E-05	9.46E-06	2.92E-05
97	437700.7	3763205	1.06E-04	3.61E-04	1.64E-05	5.89E-05	8.86E-06	2.73E-05
98	437688.6	3763209	9.89E-05	3.37E-04	1.54E-05	5.51E-05	8.28E-06	2.56E-05
99	437676.5	3763214	9.27E-05	3.16E-04	1.44E-05	5.16E-05	7.76E-06	2.40E-05
100	437664.4	3763219	8.70E-05	2.97E-04	1.35E-05	4.85E-05	7.28E-06	2.25E-05

101	437628.1	3763232	7.28E-05	2.48E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
102	437616	3763237	6.90E-05	2.35E-04	1.07E-05	3.84E-05	5.77E-06	1.78E-05
103	437603.9	3763242	6.55E-05	2.23E-04	1.02E-05	3.65E-05	5.48E-06	1.69E-05
104	437591.9	3763246	6.23E-05	2.12E-04	9.68E-06	3.47E-05	5.21E-06	1.61E-05
105	437579.8	3763251	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.53E-05
106	437791.6	3763201	1.39E-04	4.74E-04	2.16E-05	7.74E-05	1.16E-05	3.59E-05
107	437779.5	3763206	1.30E-04	4.43E-04	2.02E-05	7.24E-05	1.09E-05	3.36E-05
108	437767.4	3763210	1.21E-04	4.14E-04	1.89E-05	6.76E-05	1.02E-05	3.14E-05
109	437755.3	3763215	1.13E-04	3.87E-04	1.76E-05	6.32E-05	9.49E-06	2.93E-05
110	437743.2	3763219	1.04E-04	3.56E-04	1.62E-05	5.81E-05	8.73E-06	2.69E-05
111	437670.5	3763247	7.35E-05	2.51E-04	1.14E-05	4.09E-05	6.15E-06	1.90E-05
112	437658.4	3763252	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
113	437646.3	3763256	6.57E-05	2.24E-04	1.02E-05	3.66E-05	5.50E-06	1.70E-05
114	437634.2	3763261	6.23E-05	2.13E-04	9.69E-06	3.47E-05	5.22E-06	1.61E-05
115	437622.1	3763265	5.92E-05	2.02E-04	9.20E-06	3.30E-05	4.96E-06	1.53E-05
116	437610	3763270	5.64E-05	1.92E-04	8.76E-06	3.14E-05	4.72E-06	1.46E-05
117	437597.9	3763275	5.38E-05	1.83E-04	8.36E-06	3.00E-05	4.50E-06	1.39E-05
118	437585.8	3763279	5.14E-05	1.75E-04	7.99E-06	2.86E-05	4.30E-06	1.33E-05
119	437749.4	3763248	8.66E-05	2.95E-04	1.34E-05	4.82E-05	7.24E-06	2.24E-05
120	437737.2	3763252	8.11E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
121	437725.1	3763257	7.64E-05	2.60E-04	1.19E-05	4.25E-05	6.39E-06	1.97E-05
122	437713	3763262	7.23E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
123	437700.9	3763266	6.98E-05	2.38E-04	1.08E-05	3.89E-05	5.84E-06	1.80E-05
124	437688.8	3763271	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
125	437676.6	3763275	6.28E-05	2.14E-04	9.76E-06	3.50E-05	5.26E-06	1.62E-05
126	437664.5	3763280	5.96E-05	2.03E-04	9.26E-06	3.32E-05	4.99E-06	1.54E-05
127	437652.4	3763285	5.65E-05	1.93E-04	8.78E-06	3.15E-05	4.73E-06	1.46E-05
128	437640.3	3763289	5.36E-05	1.83E-04	8.33E-06	2.99E-05	4.49E-06	1.39E-05
129	437628.1	3763294	5.12E-05	1.74E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
130	437616	3763298	4.89E-05	1.67E-04	7.60E-06	2.72E-05	4.09E-06	1.26E-05
131	437603.9	3763303	4.65E-05	1.59E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
132	437591.8	3763308	4.50E-05	1.53E-04	6.99E-06	2.51E-05	3.77E-06	1.16E-05
133	437840.5	3763244	1.14E-04	3.89E-04	1.77E-05	6.35E-05	9.54E-06	2.94E-05
134	437828.3	3763248	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
135	437816.2	3763253	1.02E-04	3.47E-04	1.58E-05	5.66E-05	8.51E-06	2.63E-05
136	437804.1	3763258	9.55E-05	3.26E-04	1.48E-05	5.32E-05	8.00E-06	2.47E-05
137	437791.9	3763262	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
138	437779.8	3763267	8.29E-05	2.83E-04	1.29E-05	4.62E-05	6.93E-06	2.14E-05
139	437767.7	3763272	7.76E-05	2.65E-04	1.21E-05	4.32E-05	6.50E-06	2.01E-05
140	437755.5	3763276	7.30E-05	2.49E-04	1.13E-05	4.07E-05	6.11E-06	1.89E-05
141	437743.4	3763281	6.91E-05	2.35E-04	1.07E-05	3.85E-05	5.78E-06	1.78E-05
142	437731.3	3763285	6.67E-05	2.27E-04	1.04E-05	3.71E-05	5.58E-06	1.72E-05
143	437719.1	3763290	6.33E-05	2.16E-04	9.84E-06	3.53E-05	5.30E-06	1.64E-05
144	437707	3763295	6.03E-05	2.06E-04	9.36E-06	3.36E-05	5.04E-06	1.56E-05
145	437694.9	3763299	5.73E-05	1.96E-04	8.91E-06	3.19E-05	4.80E-06	1.48E-05
146	437682.7	3763304	5.45E-05	1.86E-04	8.47E-06	3.04E-05	4.56E-06	1.41E-05
147	437670.6	3763308	5.18E-05	1.77E-04	8.05E-06	2.89E-05	4.34E-06	1.34E-05
148	437658.5	3763313	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
149	437646.3	3763318	4.70E-05	1.60E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
150	437585.7	3763341	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
151	437858.9	3763268	1.01E-04	3.43E-04	1.56E-05	5.61E-05	8.43E-06	2.60E-05
152	437846.7	3763272	9.55E-05	3.26E-04	1.48E-05	5.32E-05	7.99E-06	2.47E-05

153	437834.6	3763277	9.04E-05	3.08E-04	1.40E-05	5.03E-05	7.56E-06	2.33E-05
154	437822.4	3763281	8.54E-05	2.91E-04	1.33E-05	4.76E-05	7.15E-06	2.21E-05
155	437810.3	3763286	8.05E-05	2.75E-04	1.25E-05	4.49E-05	6.74E-06	2.08E-05
156	437798.1	3763291	7.60E-05	2.59E-04	1.18E-05	4.23E-05	6.36E-06	1.96E-05
157	437786	3763295	7.04E-05	2.40E-04	1.09E-05	3.92E-05	5.89E-06	1.82E-05
158	437773.9	3763300	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
159	437761.7	3763304	6.24E-05	2.13E-04	9.69E-06	3.48E-05	5.22E-06	1.61E-05
160	437749.6	3763309	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.54E-05
161	437737.4	3763314	5.77E-05	1.97E-04	8.97E-06	3.21E-05	4.83E-06	1.49E-05
162	437725.3	3763318	5.51E-05	1.88E-04	8.56E-06	3.07E-05	4.61E-06	1.42E-05
163	437664.6	3763341	4.36E-05	1.49E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
164	437652.4	3763346	4.18E-05	1.43E-04	6.49E-06	2.33E-05	3.50E-06	1.08E-05
165	437640.3	3763351	4.02E-05	1.37E-04	6.24E-06	2.24E-05	3.36E-06	1.04E-05
166	437628.1	3763355	3.87E-05	1.32E-04	6.01E-06	2.16E-05	3.24E-06	1.00E-05
167	437616	3763360	3.73E-05	1.27E-04	5.80E-06	2.08E-05	3.12E-06	9.64E-06
168	437603.8	3763364	3.60E-05	1.23E-04	5.60E-06	2.01E-05	3.01E-06	9.30E-06
169	437591.7	3763369	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.91E-06	8.99E-06
170	437877.3	3763291	9.03E-05	3.08E-04	1.40E-05	5.03E-05	7.55E-06	2.33E-05
171	437865.1	3763296	8.56E-05	2.92E-04	1.33E-05	4.77E-05	7.16E-06	2.21E-05
172	437853	3763301	8.11E-05	2.76E-04	1.26E-05	4.52E-05	6.79E-06	2.09E-05
173	437840.8	3763305	7.67E-05	2.61E-04	1.19E-05	4.27E-05	6.42E-06	1.98E-05
174	437828.6	3763310	7.12E-05	2.43E-04	1.11E-05	3.97E-05	5.96E-06	1.84E-05
175	437816.5	3763314	6.71E-05	2.29E-04	1.04E-05	3.74E-05	5.62E-06	1.73E-05
176	437804.3	3763319	6.34E-05	2.16E-04	9.85E-06	3.53E-05	5.30E-06	1.64E-05
177	437743.6	3763342	4.92E-05	1.68E-04	7.64E-06	2.74E-05	4.12E-06	1.27E-05
178	437731.4	3763347	4.78E-05	1.63E-04	7.43E-06	2.66E-05	4.00E-06	1.23E-05
179	437719.3	3763351	4.57E-05	1.56E-04	7.10E-06	2.55E-05	3.83E-06	1.18E-05
180	437694.9	3763360	4.20E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
181	437682.8	3763365	4.03E-05	1.37E-04	6.26E-06	2.25E-05	3.37E-06	1.04E-05
182	437670.6	3763370	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
183	437658.5	3763374	3.73E-05	1.27E-04	5.79E-06	2.08E-05	3.12E-06	9.63E-06
184	437646.3	3763379	3.59E-05	1.22E-04	5.58E-06	2.00E-05	3.01E-06	9.28E-06
185	437634.2	3763384	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.90E-06	8.96E-06
186	437622	3763388	3.35E-05	1.14E-04	5.20E-06	1.87E-05	2.80E-06	8.65E-06
187	437609.9	3763393	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.71E-06	8.35E-06
188	437597.7	3763397	3.12E-05	1.07E-04	4.85E-06	1.74E-05	2.61E-06	8.07E-06
189	437895.7	3763315	8.12E-05	2.77E-04	1.26E-05	4.53E-05	6.80E-06	2.10E-05
190	437883.5	3763320	7.72E-05	2.63E-04	1.20E-05	4.30E-05	6.46E-06	1.99E-05
191	437834.8	3763338	6.12E-05	2.09E-04	9.51E-06	3.41E-05	5.12E-06	1.58E-05
192	437822.7	3763343	5.78E-05	1.97E-04	8.98E-06	3.22E-05	4.84E-06	1.49E-05
193	437810.5	3763347	5.48E-05	1.87E-04	8.51E-06	3.05E-05	4.59E-06	1.42E-05
194	437798.3	3763352	5.20E-05	1.77E-04	8.08E-06	2.90E-05	4.35E-06	1.34E-05
195	437786.2	3763357	4.94E-05	1.68E-04	7.67E-06	2.75E-05	4.13E-06	1.28E-05
196	437774	3763361	4.71E-05	1.60E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
197	437761.9	3763366	4.50E-05	1.53E-04	6.99E-06	2.50E-05	3.76E-06	1.16E-05
198	437749.7	3763370	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
199	437737.5	3763375	4.14E-05	1.41E-04	6.44E-06	2.31E-05	3.47E-06	1.07E-05
200	437725.4	3763380	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
201	437688.9	3763393	3.60E-05	1.23E-04	5.60E-06	2.01E-05	3.02E-06	9.31E-06
202	437676.7	3763398	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.91E-06	8.99E-06
203	437664.5	3763403	3.36E-05	1.15E-04	5.23E-06	1.87E-05	2.81E-06	8.69E-06
204	437652.4	3763407	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06

205	437640.2	3763412	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
206	437628.1	3763417	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
207	437615.9	3763421	2.92E-05	9.96E-05	4.54E-06	1.63E-05	2.44E-06	7.54E-06
208	437603.7	3763426	2.81E-05	9.57E-05	4.36E-06	1.56E-05	2.35E-06	7.25E-06
209	437591.6	3763430	2.72E-05	9.27E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
210	437914	3763339	7.25E-05	2.47E-04	1.13E-05	4.04E-05	6.07E-06	1.87E-05
211	437901.9	3763343	6.87E-05	2.34E-04	1.07E-05	3.83E-05	5.75E-06	1.78E-05
212	437889.7	3763348	6.52E-05	2.22E-04	1.01E-05	3.63E-05	5.45E-06	1.68E-05
213	437877.5	3763353	6.18E-05	2.11E-04	9.61E-06	3.44E-05	5.18E-06	1.60E-05
214	437865.4	3763357	5.88E-05	2.01E-04	9.14E-06	3.28E-05	4.93E-06	1.52E-05
215	437853.2	3763362	5.60E-05	1.91E-04	8.70E-06	3.12E-05	4.68E-06	1.45E-05
216	437841	3763366	5.30E-05	1.81E-04	8.23E-06	2.95E-05	4.43E-06	1.37E-05
217	437828.8	3763371	5.01E-05	1.71E-04	7.78E-06	2.79E-05	4.19E-06	1.29E-05
218	437816.7	3763376	4.74E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.23E-05
219	437804.5	3763380	4.51E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
220	437792.3	3763385	4.30E-05	1.47E-04	6.69E-06	2.40E-05	3.60E-06	1.11E-05
221	437780.2	3763390	4.12E-05	1.41E-04	6.41E-06	2.30E-05	3.45E-06	1.07E-05
222	437768	3763394	3.97E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.02E-05
223	437755.8	3763399	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.20E-06	9.87E-06
224	437743.6	3763403	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.48E-06
225	437731.5	3763408	3.53E-05	1.20E-04	5.48E-06	1.97E-05	2.95E-06	9.12E-06
226	437719.3	3763413	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.86E-06	8.82E-06
227	437695	3763422	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.71E-06	8.36E-06
228	437682.8	3763426	3.13E-05	1.07E-04	4.87E-06	1.75E-05	2.62E-06	8.10E-06
229	437670.6	3763431	3.04E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.86E-06
230	437658.4	3763436	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.60E-06
231	437646.3	3763440	2.84E-05	9.69E-05	4.42E-06	1.58E-05	2.38E-06	7.34E-06
232	437634.1	3763445	2.74E-05	9.36E-05	4.26E-06	1.53E-05	2.30E-06	7.09E-06
233	437621.9	3763450	2.64E-05	9.00E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06
234	437609.8	3763454	2.55E-05	8.70E-05	3.97E-06	1.42E-05	2.14E-06	6.60E-06
235	437597.6	3763459	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
236	437938.6	3763370	6.38E-05	2.18E-04	9.92E-06	3.56E-05	5.34E-06	1.65E-05
237	437926.5	3763375	6.07E-05	2.07E-04	9.43E-06	3.38E-05	5.08E-06	1.57E-05
238	437914.4	3763379	5.77E-05	1.97E-04	8.97E-06	3.21E-05	4.83E-06	1.49E-05
239	437902.3	3763384	5.49E-05	1.87E-04	8.54E-06	3.06E-05	4.60E-06	1.42E-05
240	437890.2	3763389	5.23E-05	1.78E-04	8.12E-06	2.91E-05	4.38E-06	1.35E-05
241	437878.2	3763393	4.98E-05	1.70E-04	7.73E-06	2.77E-05	4.17E-06	1.29E-05
242	437866.1	3763398	4.74E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.23E-05
243	437854	3763402	4.52E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
244	437841.9	3763407	4.30E-05	1.47E-04	6.69E-06	2.40E-05	3.60E-06	1.11E-05
245	437829.8	3763412	4.09E-05	1.40E-04	6.36E-06	2.28E-05	3.43E-06	1.06E-05
246	437817.7	3763416	3.89E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
247	437805.6	3763421	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
248	437745.2	3763444	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.96E-06
249	437733.1	3763448	2.99E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
250	437721	3763453	2.90E-05	9.89E-05	4.51E-06	1.62E-05	2.43E-06	7.49E-06
251	437696.9	3763462	2.75E-05	9.36E-05	4.27E-06	1.53E-05	2.30E-06	7.09E-06
252	437684.8	3763467	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
253	437672.7	3763471	2.58E-05	8.81E-05	4.01E-06	1.44E-05	2.16E-06	6.68E-06
254	437660.6	3763476	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
255	437648.5	3763480	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
256	437636.4	3763485	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.11E-06

257	437624.3	3763490	2.30E-05	7.84E-05	3.57E-06	1.28E-05	1.92E-06	5.94E-06
258	437612.2	3763494	2.24E-05	7.63E-05	3.48E-06	1.25E-05	1.87E-06	5.78E-06
259	437600.2	3763499	2.18E-05	7.44E-05	3.39E-06	1.21E-05	1.83E-06	5.63E-06
260	437951	3763406	5.34E-05	1.82E-04	8.30E-06	2.98E-05	4.47E-06	1.38E-05
261	437938.8	3763411	5.11E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
262	437926.7	3763416	4.88E-05	1.66E-04	7.58E-06	2.72E-05	4.09E-06	1.26E-05
263	437914.5	3763420	4.66E-05	1.59E-04	7.25E-06	2.60E-05	3.90E-06	1.20E-05
264	437853.8	3763443	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.48E-06
265	437841.7	3763448	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.93E-06	9.06E-06
266	437829.5	3763453	3.36E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.67E-06
267	437817.4	3763457	3.22E-05	1.10E-04	5.00E-06	1.79E-05	2.69E-06	8.32E-06
268	437805.2	3763462	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
269	437793.1	3763466	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.51E-06	7.74E-06
270	437780.9	3763471	2.89E-05	9.87E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
271	437768.8	3763476	2.80E-05	9.56E-05	4.35E-06	1.56E-05	2.35E-06	7.24E-06
272	437756.6	3763480	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
273	437744.5	3763485	2.65E-05	9.03E-05	4.11E-06	1.47E-05	2.22E-06	6.84E-06
274	437732.4	3763489	2.58E-05	8.79E-05	4.01E-06	1.44E-05	2.16E-06	6.66E-06
275	437720.2	3763494	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
276	437695.9	3763503	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
277	437683.8	3763508	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
278	437671.6	3763513	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
279	437659.5	3763517	2.19E-05	7.47E-05	3.40E-06	1.22E-05	1.83E-06	5.66E-06
280	437647.3	3763522	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
281	437635.2	3763526	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
282	437987.6	3763433	5.01E-05	1.71E-04	7.78E-06	2.79E-05	4.19E-06	1.29E-05
283	437951	3763447	4.36E-05	1.49E-04	6.78E-06	2.43E-05	3.65E-06	1.13E-05
284	437938.8	3763452	4.17E-05	1.42E-04	6.48E-06	2.32E-05	3.49E-06	1.08E-05
285	437926.6	3763457	4.00E-05	1.36E-04	6.21E-06	2.23E-05	3.35E-06	1.03E-05
286	437914.4	3763461	3.84E-05	1.31E-04	5.97E-06	2.14E-05	3.22E-06	9.93E-06
287	437902.2	3763466	3.68E-05	1.26E-04	5.72E-06	2.05E-05	3.08E-06	9.51E-06
288	437890	3763471	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.09E-06
289	437877.8	3763475	3.37E-05	1.15E-04	5.23E-06	1.88E-05	2.82E-06	8.70E-06
290	437865.6	3763480	3.22E-05	1.10E-04	5.01E-06	1.80E-05	2.70E-06	8.33E-06
291	437853.5	3763484	3.09E-05	1.05E-04	4.80E-06	1.72E-05	2.58E-06	7.98E-06
292	437841.3	3763489	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.66E-06
293	437829.1	3763494	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
294	437816.9	3763498	2.75E-05	9.38E-05	4.27E-06	1.53E-05	2.30E-06	7.10E-06
295	437804.7	3763503	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
296	437792.5	3763508	2.58E-05	8.81E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
297	437780.3	3763512	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
298	437768.1	3763517	2.44E-05	8.33E-05	3.80E-06	1.36E-05	2.04E-06	6.31E-06
299	437755.9	3763521	2.38E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
300	437743.7	3763526	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
301	437731.5	3763531	2.25E-05	7.67E-05	3.50E-06	1.25E-05	1.88E-06	5.81E-06
302	437682.7	3763549	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.28E-06
303	437670.5	3763554	1.99E-05	6.80E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
304	437658.3	3763558	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
305	437646.1	3763563	1.90E-05	6.48E-05	2.95E-06	1.06E-05	1.59E-06	4.91E-06
306	437633.9	3763568	1.86E-05	6.33E-05	2.89E-06	1.03E-05	1.55E-06	4.80E-06
307	437621.7	3763572	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
308	437609.5	3763577	1.78E-05	6.06E-05	2.76E-06	9.91E-06	1.49E-06	4.60E-06

309	438012.2	3763465	4.54E-05	1.55E-04	7.05E-06	2.53E-05	3.80E-06	1.17E-05
310	438000	3763470	4.36E-05	1.49E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
311	437987.9	3763474	4.16E-05	1.42E-04	6.47E-06	2.32E-05	3.49E-06	1.08E-05
312	437951.5	3763488	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.07E-06	9.46E-06
313	437939.4	3763493	3.53E-05	1.20E-04	5.48E-06	1.97E-05	2.95E-06	9.12E-06
314	437927.3	3763497	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.91E-06	8.97E-06
315	437915.2	3763502	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.79E-06	8.63E-06
316	437903	3763506	3.20E-05	1.09E-04	4.98E-06	1.79E-05	2.68E-06	8.28E-06
317	437890.9	3763511	3.01E-05	1.03E-04	4.68E-06	1.68E-05	2.52E-06	7.78E-06
318	437878.8	3763516	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
319	437866.7	3763520	2.77E-05	9.44E-05	4.30E-06	1.54E-05	2.32E-06	7.15E-06
320	437854.6	3763525	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.86E-06
321	437842.4	3763530	2.56E-05	8.73E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
322	437830.3	3763534	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
323	437769.7	3763557	2.15E-05	7.34E-05	3.35E-06	1.20E-05	1.80E-06	5.56E-06
324	437757.6	3763562	2.10E-05	7.14E-05	3.26E-06	1.17E-05	1.75E-06	5.41E-06
325	437745.4	3763566	2.04E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
326	437733.3	3763571	2.00E-05	6.80E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
327	437721.2	3763576	1.95E-05	6.66E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
328	437709.1	3763580	1.91E-05	6.52E-05	2.97E-06	1.06E-05	1.60E-06	4.94E-06
329	437696.9	3763585	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.56E-06	4.83E-06
330	437684.8	3763589	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06
331	437672.7	3763594	1.79E-05	6.11E-05	2.78E-06	9.97E-06	1.50E-06	4.63E-06
332	437660.6	3763599	1.75E-05	5.96E-05	2.72E-06	9.74E-06	1.46E-06	4.52E-06
333	437648.4	3763603	1.71E-05	5.82E-05	2.65E-06	9.51E-06	1.43E-06	4.41E-06
334	437636.3	3763608	1.67E-05	5.69E-05	2.59E-06	9.30E-06	1.40E-06	4.31E-06
335	437624.2	3763612	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
336	437612.1	3763617	1.61E-05	5.48E-05	2.50E-06	8.95E-06	1.34E-06	4.15E-06
337	438036.7	3763497	4.09E-05	1.39E-04	6.35E-06	2.28E-05	3.42E-06	1.06E-05
338	438024.5	3763501	3.93E-05	1.34E-04	6.10E-06	2.19E-05	3.29E-06	1.02E-05
339	438012.3	3763506	3.77E-05	1.29E-04	5.86E-06	2.10E-05	3.16E-06	9.75E-06
340	438000.2	3763511	3.63E-05	1.24E-04	5.64E-06	2.02E-05	3.04E-06	9.37E-06
341	437988	3763515	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.01E-06
342	437951.5	3763529	3.19E-05	1.09E-04	4.96E-06	1.78E-05	2.67E-06	8.25E-06
343	437939.3	3763534	3.07E-05	1.05E-04	4.78E-06	1.71E-05	2.57E-06	7.94E-06
344	437927.1	3763538	2.95E-05	1.01E-04	4.58E-06	1.64E-05	2.47E-06	7.62E-06
345	437878.4	3763557	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
346	437866.3	3763561	2.38E-05	8.13E-05	3.70E-06	1.33E-05	2.00E-06	6.16E-06
347	437854.1	3763566	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
348	437841.9	3763571	2.24E-05	7.63E-05	3.48E-06	1.25E-05	1.87E-06	5.78E-06
349	437829.8	3763575	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
350	437817.6	3763580	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
351	437805.4	3763584	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
352	437793.2	3763589	2.01E-05	6.84E-05	3.12E-06	1.12E-05	1.68E-06	5.18E-06
353	437781.1	3763594	1.95E-05	6.66E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
354	437768.9	3763598	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
355	437756.7	3763603	1.86E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
356	437744.6	3763608	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
357	437732.4	3763612	1.79E-05	6.10E-05	2.78E-06	9.97E-06	1.50E-06	4.62E-06
358	437720.2	3763617	1.75E-05	5.97E-05	2.72E-06	9.76E-06	1.47E-06	4.53E-06
359	437708	3763621	1.71E-05	5.85E-05	2.66E-06	9.55E-06	1.44E-06	4.43E-06
360	437695.9	3763626	1.68E-05	5.72E-05	2.61E-06	9.35E-06	1.40E-06	4.33E-06

361	437683.7	3763631	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
362	437671.5	3763635	1.60E-05	5.45E-05	2.48E-06	8.90E-06	1.34E-06	4.13E-06
363	437659.4	3763640	1.56E-05	5.33E-05	2.43E-06	8.70E-06	1.31E-06	4.04E-06
364	437647.2	3763645	1.53E-05	5.21E-05	2.37E-06	8.51E-06	1.28E-06	3.95E-06
365	437635	3763649	1.50E-05	5.10E-05	2.33E-06	8.34E-06	1.25E-06	3.87E-06
366	437622.8	3763654	1.47E-05	5.01E-05	2.28E-06	8.18E-06	1.23E-06	3.79E-06
367	437610.7	3763658	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.21E-06	3.72E-06
368	438061.2	3763528	3.70E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.56E-06
369	438049.1	3763533	3.55E-05	1.21E-04	5.51E-06	1.98E-05	2.97E-06	9.16E-06
370	438037	3763537	3.40E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.77E-06
371	437952.3	3763570	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
372	437940.1	3763574	2.54E-05	8.66E-05	3.94E-06	1.41E-05	2.13E-06	6.56E-06
373	437928	3763579	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
374	437915.9	3763583	2.37E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
375	437903.8	3763588	2.30E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.94E-06
376	437891.7	3763593	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
377	437879.6	3763597	2.17E-05	7.39E-05	3.37E-06	1.21E-05	1.81E-06	5.60E-06
378	437867.5	3763602	2.10E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.43E-06
379	437855.4	3763606	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
380	437843.3	3763611	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
381	437831.2	3763616	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
382	437819.1	3763620	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.87E-06
383	437807	3763625	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
384	437794.9	3763629	1.80E-05	6.15E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
385	437782.8	3763634	1.76E-05	6.01E-05	2.74E-06	9.82E-06	1.48E-06	4.56E-06
386	437770.6	3763639	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
387	437758.5	3763643	1.69E-05	5.77E-05	2.63E-06	9.42E-06	1.42E-06	4.37E-06
388	437746.4	3763648	1.66E-05	5.66E-05	2.58E-06	9.25E-06	1.39E-06	4.29E-06
389	437734.3	3763652	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
390	437722.2	3763657	1.59E-05	5.44E-05	2.48E-06	8.88E-06	1.33E-06	4.12E-06
391	437710.1	3763662	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
392	437698	3763666	1.52E-05	5.20E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
393	437685.9	3763671	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
394	437613.3	3763698	1.32E-05	4.49E-05	2.05E-06	7.34E-06	1.10E-06	3.40E-06
395	438085.7	3763560	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.58E-06
396	438073.6	3763564	3.19E-05	1.09E-04	4.96E-06	1.78E-05	2.67E-06	8.25E-06
397	438061.4	3763569	3.07E-05	1.05E-04	4.77E-06	1.71E-05	2.57E-06	7.93E-06
398	438049.3	3763574	2.95E-05	1.01E-04	4.59E-06	1.64E-05	2.47E-06	7.63E-06
399	438037.1	3763578	2.84E-05	9.68E-05	4.41E-06	1.58E-05	2.38E-06	7.33E-06
400	438025	3763583	2.73E-05	9.32E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
401	438012.8	3763588	2.63E-05	8.97E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06
402	438000.7	3763592	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
403	437988.5	3763597	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
404	437952.1	3763611	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
405	437939.9	3763615	2.19E-05	7.47E-05	3.40E-06	1.22E-05	1.83E-06	5.66E-06
406	437927.8	3763620	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
407	437915.6	3763624	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
408	437903.5	3763629	2.03E-05	6.91E-05	3.15E-06	1.13E-05	1.70E-06	5.23E-06
409	437891.3	3763634	1.97E-05	6.73E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06
410	437879.2	3763638	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
411	437867	3763643	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.56E-06	4.83E-06
412	437854.9	3763648	1.82E-05	6.20E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06

413	437842.7	3763652	1.78E-05	6.05E-05	2.76E-06	9.89E-06	1.49E-06	4.59E-06
414	437830.6	3763657	1.74E-05	5.92E-05	2.70E-06	9.68E-06	1.45E-06	4.49E-06
415	437818.4	3763661	1.70E-05	5.80E-05	2.64E-06	9.47E-06	1.42E-06	4.39E-06
416	437806.3	3763666	1.66E-05	5.68E-05	2.59E-06	9.27E-06	1.39E-06	4.30E-06
417	437794.1	3763671	1.63E-05	5.56E-05	2.53E-06	9.08E-06	1.36E-06	4.21E-06
418	437721.2	3763698	1.45E-05	4.95E-05	2.25E-06	8.08E-06	1.21E-06	3.75E-06
419	437709.1	3763703	1.42E-05	4.85E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
420	437696.9	3763707	1.40E-05	4.76E-05	2.17E-06	7.78E-06	1.17E-06	3.61E-06
421	437684.8	3763712	1.37E-05	4.66E-05	2.12E-06	7.62E-06	1.14E-06	3.53E-06
422	437672.6	3763717	1.34E-05	4.56E-05	2.08E-06	7.46E-06	1.12E-06	3.46E-06
423	437660.5	3763721	1.31E-05	4.47E-05	2.04E-06	7.30E-06	1.10E-06	3.39E-06
424	437648.3	3763726	1.28E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
425	437636.1	3763731	1.26E-05	4.30E-05	1.96E-06	7.02E-06	1.06E-06	3.26E-06
426	437624	3763735	1.24E-05	4.22E-05	1.92E-06	6.90E-06	1.04E-06	3.20E-06
427	437611.8	3763740	1.22E-05	4.15E-05	1.89E-06	6.78E-06	1.02E-06	3.14E-06
428	438110.2	3763591	3.05E-05	1.04E-04	4.74E-06	1.70E-05	2.55E-06	7.89E-06
429	438098.1	3763596	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.60E-06
430	438085.9	3763601	2.83E-05	9.66E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
431	438073.7	3763605	2.73E-05	9.30E-05	4.24E-06	1.52E-05	2.28E-06	7.04E-06
432	438061.5	3763610	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
433	438049.3	3763615	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
434	438037.1	3763619	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
435	438024.9	3763624	2.36E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
436	438012.7	3763628	2.28E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
437	438000.5	3763633	2.22E-05	7.57E-05	3.45E-06	1.24E-05	1.86E-06	5.74E-06
438	437988.3	3763638	2.16E-05	7.37E-05	3.36E-06	1.20E-05	1.81E-06	5.58E-06
439	437951.8	3763652	2.01E-05	6.85E-05	3.12E-06	1.12E-05	1.68E-06	5.19E-06
440	437939.6	3763656	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
441	437927.4	3763661	1.90E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
442	437915.2	3763666	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
443	437903	3763670	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
444	437829.9	3763698	1.58E-05	5.37E-05	2.45E-06	8.78E-06	1.32E-06	4.07E-06
445	437817.7	3763703	1.54E-05	5.26E-05	2.40E-06	8.59E-06	1.29E-06	3.99E-06
446	437805.5	3763707	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.26E-06	3.90E-06
447	437793.3	3763712	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.82E-06
448	437781.1	3763716	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.21E-06	3.75E-06
449	437768.9	3763721	1.42E-05	4.86E-05	2.21E-06	7.94E-06	1.19E-06	3.68E-06
450	437756.7	3763726	1.40E-05	4.77E-05	2.17E-06	7.79E-06	1.17E-06	3.61E-06
451	437744.5	3763730	1.38E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
452	437732.3	3763735	1.35E-05	4.61E-05	2.10E-06	7.53E-06	1.13E-06	3.49E-06
453	437720.1	3763740	1.33E-05	4.53E-05	2.06E-06	7.39E-06	1.11E-06	3.43E-06
454	437707.9	3763744	1.30E-05	4.44E-05	2.02E-06	7.25E-06	1.09E-06	3.36E-06
455	437695.8	3763749	1.28E-05	4.35E-05	1.98E-06	7.11E-06	1.07E-06	3.30E-06
456	437683.6	3763753	1.25E-05	4.27E-05	1.95E-06	6.98E-06	1.05E-06	3.24E-06
457	437671.4	3763758	1.23E-05	4.19E-05	1.91E-06	6.85E-06	1.03E-06	3.18E-06
458	437659.2	3763763	1.21E-05	4.12E-05	1.88E-06	6.73E-06	1.01E-06	3.12E-06
459	437647	3763767	1.19E-05	4.04E-05	1.84E-06	6.60E-06	9.92E-07	3.06E-06
460	437634.8	3763772	1.16E-05	3.97E-05	1.81E-06	6.48E-06	9.74E-07	3.01E-06
461	437622.6	3763777	1.14E-05	3.90E-05	1.78E-06	6.37E-06	9.58E-07	2.96E-06
462	438134.8	3763623	2.81E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
463	438122.7	3763628	2.71E-05	9.25E-05	4.22E-06	1.51E-05	2.27E-06	7.01E-06
464	438110.5	3763632	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06

465	438098.4	3763637	2.54E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
466	438086.3	3763641	2.45E-05	8.35E-05	3.80E-06	1.36E-05	2.05E-06	6.33E-06
467	438074.1	3763646	2.36E-05	8.04E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
468	438062	3763651	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.87E-06
469	438049.9	3763655	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
470	438037.7	3763660	2.12E-05	7.24E-05	3.30E-06	1.18E-05	1.78E-06	5.48E-06
471	438025.6	3763665	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
472	437940.6	3763697	1.72E-05	5.87E-05	2.67E-06	9.58E-06	1.44E-06	4.45E-06
473	437928.5	3763701	1.68E-05	5.73E-05	2.61E-06	9.36E-06	1.41E-06	4.34E-06
474	437916.4	3763706	1.64E-05	5.60E-05	2.55E-06	9.15E-06	1.37E-06	4.24E-06
475	437904.2	3763711	1.61E-05	5.48E-05	2.50E-06	8.95E-06	1.34E-06	4.15E-06
476	437892.1	3763715	1.58E-05	5.37E-05	2.45E-06	8.78E-06	1.32E-06	4.07E-06
477	437880	3763720	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
478	437867.8	3763724	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.92E-06
479	437855.7	3763729	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
480	437843.6	3763734	1.46E-05	4.99E-05	2.27E-06	8.15E-06	1.22E-06	3.78E-06
481	437831.4	3763738	1.44E-05	4.90E-05	2.23E-06	8.00E-06	1.20E-06	3.71E-06
482	437819.3	3763743	1.41E-05	4.81E-05	2.19E-06	7.86E-06	1.18E-06	3.64E-06
483	437807.2	3763747	1.38E-05	4.72E-05	2.15E-06	7.70E-06	1.16E-06	3.57E-06
484	437795	3763752	1.36E-05	4.63E-05	2.11E-06	7.56E-06	1.14E-06	3.51E-06
485	437782.9	3763757	1.33E-05	4.54E-05	2.07E-06	7.42E-06	1.12E-06	3.44E-06
486	437770.8	3763761	1.31E-05	4.46E-05	2.03E-06	7.29E-06	1.10E-06	3.38E-06
487	437758.6	3763766	1.29E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
488	437746.5	3763770	1.26E-05	4.31E-05	1.96E-06	7.04E-06	1.06E-06	3.26E-06
489	437734.4	3763775	1.24E-05	4.23E-05	1.93E-06	6.92E-06	1.04E-06	3.21E-06
490	437722.2	3763780	1.22E-05	4.16E-05	1.90E-06	6.80E-06	1.02E-06	3.15E-06
491	437710.1	3763784	1.20E-05	4.10E-05	1.87E-06	6.69E-06	1.01E-06	3.10E-06
492	437698	3763789	1.18E-05	4.03E-05	1.84E-06	6.59E-06	9.90E-07	3.06E-06
493	437685.8	3763793	1.16E-05	3.97E-05	1.81E-06	6.48E-06	9.74E-07	3.01E-06
494	437673.7	3763798	1.15E-05	3.91E-05	1.78E-06	6.38E-06	9.59E-07	2.96E-06
495	437661.6	3763803	1.13E-05	3.84E-05	1.75E-06	6.28E-06	9.43E-07	2.91E-06
496	437649.4	3763807	1.11E-05	3.78E-05	1.72E-06	6.17E-06	9.27E-07	2.86E-06
497	437637.3	3763812	1.09E-05	3.71E-05	1.69E-06	6.07E-06	9.11E-07	2.81E-06
498	437625.2	3763817	1.07E-05	3.65E-05	1.66E-06	5.97E-06	8.96E-07	2.77E-06
499	438159.3	3763655	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.73E-06
500	438147.1	3763659	2.52E-05	8.58E-05	3.91E-06	1.40E-05	2.11E-06	6.50E-06
501	438135	3763664	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
502	438122.8	3763669	2.35E-05	8.00E-05	3.64E-06	1.31E-05	1.96E-06	6.06E-06
503	438037.6	3763701	1.86E-05	6.33E-05	2.89E-06	1.03E-05	1.55E-06	4.80E-06
504	438025.4	3763705	1.81E-05	6.16E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
505	438013.2	3763710	1.76E-05	5.99E-05	2.73E-06	9.78E-06	1.47E-06	4.54E-06
506	438001.1	3763715	1.71E-05	5.83E-05	2.65E-06	9.52E-06	1.43E-06	4.41E-06
507	437988.9	3763719	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
508	437976.7	3763724	1.64E-05	5.59E-05	2.55E-06	9.13E-06	1.37E-06	4.23E-06
509	437940.2	3763738	1.53E-05	5.23E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
510	437928	3763742	1.50E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
511	437915.9	3763747	1.48E-05	5.04E-05	2.30E-06	8.23E-06	1.24E-06	3.82E-06
512	437903.7	3763752	1.45E-05	4.95E-05	2.25E-06	8.08E-06	1.21E-06	3.75E-06
513	437891.5	3763756	1.42E-05	4.86E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
514	437879.4	3763761	1.40E-05	4.77E-05	2.17E-06	7.79E-06	1.17E-06	3.61E-06
515	437867.2	3763766	1.37E-05	4.68E-05	2.13E-06	7.65E-06	1.15E-06	3.55E-06
516	437855	3763770	1.35E-05	4.60E-05	2.10E-06	7.51E-06	1.13E-06	3.48E-06

517	437842.8	3763775	1.33E-05	4.53E-05	2.06E-06	7.39E-06	1.11E-06	3.43E-06
518	437830.7	3763779	1.31E-05	4.45E-05	2.03E-06	7.27E-06	1.09E-06	3.37E-06
519	437818.5	3763784	1.28E-05	4.38E-05	2.00E-06	7.15E-06	1.07E-06	3.32E-06
520	437806.3	3763789	1.26E-05	4.31E-05	1.96E-06	7.04E-06	1.06E-06	3.26E-06
521	437794.2	3763793	1.24E-05	4.24E-05	1.93E-06	6.93E-06	1.04E-06	3.21E-06
522	437782	3763798	1.22E-05	4.17E-05	1.90E-06	6.82E-06	1.02E-06	3.16E-06
523	437769.8	3763803	1.20E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
524	437757.6	3763807	1.19E-05	4.04E-05	1.84E-06	6.61E-06	9.93E-07	3.06E-06
525	437745.5	3763812	1.17E-05	3.98E-05	1.81E-06	6.50E-06	9.77E-07	3.02E-06
526	437733.3	3763816	1.15E-05	3.92E-05	1.79E-06	6.40E-06	9.62E-07	2.97E-06
527	437721.1	3763821	1.13E-05	3.86E-05	1.76E-06	6.31E-06	9.48E-07	2.93E-06
528	437709	3763826	1.12E-05	3.81E-05	1.73E-06	6.22E-06	9.34E-07	2.88E-06
529	437696.8	3763830	1.10E-05	3.75E-05	1.71E-06	6.13E-06	9.22E-07	2.84E-06
530	437684.6	3763835	1.08E-05	3.69E-05	1.68E-06	6.03E-06	9.06E-07	2.80E-06
531	437672.4	3763839	1.07E-05	3.63E-05	1.66E-06	5.93E-06	8.92E-07	2.75E-06
532	437660.3	3763844	1.05E-05	3.57E-05	1.63E-06	5.83E-06	8.76E-07	2.70E-06
533	437648.1	3763849	1.03E-05	3.51E-05	1.60E-06	5.73E-06	8.60E-07	2.66E-06
534	437635.9	3763853	1.01E-05	3.45E-05	1.57E-06	5.63E-06	8.46E-07	2.61E-06
535	437623.8	3763858	9.96E-06	3.40E-05	1.55E-06	5.55E-06	8.34E-07	2.57E-06
536	437601	3762897	3.57E-03	1.22E-02	5.55E-04	1.99E-03	2.99E-04	9.23E-04
537	437593.1	3762905	3.13E-03	1.07E-02	4.87E-04	1.74E-03	2.62E-04	8.09E-04
538	437609.4	3762902	3.12E-03	1.07E-02	4.85E-04	1.74E-03	2.61E-04	8.07E-04
539	437601.7	3762910	2.78E-03	9.49E-03	4.33E-04	1.55E-03	2.33E-04	7.19E-04
540	437617.7	3762908	2.77E-03	9.44E-03	4.30E-04	1.54E-03	2.32E-04	7.15E-04
541	437610.2	3762916	2.49E-03	8.50E-03	3.87E-04	1.39E-03	2.09E-04	6.44E-04
542	437626.1	3762913	2.47E-03	8.43E-03	3.84E-04	1.38E-03	2.07E-04	6.39E-04
543	437618.7	3762921	2.24E-03	7.65E-03	3.49E-04	1.25E-03	1.88E-04	5.80E-04
544	437634.2	3762919	2.22E-03	7.56E-03	3.45E-04	1.24E-03	1.86E-04	5.73E-04
545	437650.9	3762930	1.83E-03	6.23E-03	2.84E-04	1.02E-03	1.53E-04	4.72E-04
546	437650.7	3762959	1.26E-03	4.31E-03	1.96E-04	7.03E-04	1.06E-04	3.26E-04
547	437642.3	3762968	1.12E-03	3.82E-03	1.74E-04	6.24E-04	9.38E-05	2.90E-04
548	437676	3762961	1.21E-03	4.11E-03	1.87E-04	6.72E-04	1.01E-04	3.12E-04
549	437668	3762969	1.10E-03	3.74E-03	1.70E-04	6.11E-04	9.18E-05	2.83E-04
550	437659.9	3762978	9.87E-04	3.36E-03	1.53E-04	5.50E-04	8.26E-05	2.55E-04
551	437700.9	3762963	1.13E-03	3.85E-03	1.76E-04	6.30E-04	9.46E-05	2.92E-04
552	437693	3762972	1.05E-03	3.58E-03	1.63E-04	5.85E-04	8.78E-05	2.71E-04
553	437685.1	3762980	9.64E-04	3.29E-03	1.50E-04	5.37E-04	8.07E-05	2.49E-04
554	437677.2	3762989	8.76E-04	2.99E-03	1.36E-04	4.88E-04	7.33E-05	2.26E-04
555	437669.3	3762997	7.88E-04	2.69E-03	1.23E-04	4.39E-04	6.60E-05	2.04E-04
556	437709.2	3762983	9.15E-04	3.12E-03	1.42E-04	5.10E-04	7.66E-05	2.36E-04
557	437701	3762992	8.41E-04	2.87E-03	1.31E-04	4.68E-04	7.04E-05	2.17E-04
558	437692.7	3763001	7.65E-04	2.61E-03	1.19E-04	4.26E-04	6.40E-05	1.98E-04
559	437684.5	3763010	6.90E-04	2.35E-03	1.07E-04	3.84E-04	5.78E-05	1.78E-04
560	437710	3763011	6.87E-04	2.34E-03	1.07E-04	3.83E-04	5.75E-05	1.78E-04
561	437701.9	3763020	6.25E-04	2.13E-03	9.72E-05	3.48E-04	5.23E-05	1.62E-04
562	437750.7	3762996	7.64E-04	2.61E-03	1.19E-04	4.26E-04	6.40E-05	1.97E-04
563	437742.4	3763005	7.17E-04	2.45E-03	1.11E-04	3.99E-04	6.00E-05	1.85E-04
564	437767.4	3763007	6.80E-04	2.32E-03	1.06E-04	3.79E-04	5.69E-05	1.76E-04
565	437759.2	3763016	6.41E-04	2.19E-03	9.96E-05	3.57E-04	5.37E-05	1.66E-04
566	437751.1	3763025	5.97E-04	2.04E-03	9.28E-05	3.33E-04	5.00E-05	1.54E-04
567	437742.9	3763034	5.49E-04	1.87E-03	8.54E-05	3.06E-04	4.60E-05	1.42E-04
568	437783.9	3763019	6.07E-04	2.07E-03	9.44E-05	3.38E-04	5.08E-05	1.57E-04

569	437775.6	3763028	5.71E-04	1.95E-03	8.88E-05	3.18E-04	4.78E-05	1.48E-04
570	437767.2	3763037	5.32E-04	1.81E-03	8.27E-05	2.96E-04	4.45E-05	1.38E-04
571	437758.8	3763046	4.90E-04	1.67E-03	7.62E-05	2.73E-04	4.11E-05	1.27E-04
572	437750.5	3763055	4.48E-04	1.53E-03	6.97E-05	2.50E-04	3.75E-05	1.16E-04
573	437742.1	3763064	4.08E-04	1.39E-03	6.33E-05	2.27E-04	3.41E-05	1.05E-04
574	437800.6	3763030	5.47E-04	1.87E-03	8.51E-05	3.05E-04	4.58E-05	1.41E-04
575	437792.4	3763039	5.16E-04	1.76E-03	8.02E-05	2.87E-04	4.32E-05	1.33E-04
576	437784.2	3763047	4.83E-04	1.65E-03	7.50E-05	2.69E-04	4.04E-05	1.25E-04
577	437776	3763056	4.48E-04	1.53E-03	6.96E-05	2.49E-04	3.75E-05	1.16E-04
578	437767.7	3763065	4.12E-04	1.41E-03	6.41E-05	2.30E-04	3.45E-05	1.07E-04
579	437759.5	3763074	3.77E-04	1.29E-03	5.86E-05	2.10E-04	3.16E-05	9.75E-05
580	437751.3	3763083	3.44E-04	1.17E-03	5.34E-05	1.91E-04	2.88E-05	8.88E-05
581	437743.1	3763092	3.12E-04	1.06E-03	4.85E-05	1.74E-04	2.61E-05	8.06E-05
582	437808.9	3763064	4.20E-04	1.43E-03	6.53E-05	2.34E-04	3.52E-05	1.09E-04
583	437800.5	3763073	3.91E-04	1.33E-03	6.07E-05	2.18E-04	3.27E-05	1.01E-04
584	437792.2	3763082	3.61E-04	1.23E-03	5.61E-05	2.01E-04	3.02E-05	9.32E-05
585	437783.8	3763091	3.32E-04	1.13E-03	5.16E-05	1.85E-04	2.78E-05	8.58E-05
586	437775.5	3763100	3.04E-04	1.04E-03	4.72E-05	1.69E-04	2.54E-05	7.85E-05
587	437767.1	3763109	2.77E-04	9.43E-04	4.30E-05	1.54E-04	2.31E-05	7.15E-05
588	437758.8	3763118	2.51E-04	8.56E-04	3.90E-05	1.40E-04	2.10E-05	6.49E-05
589	437793.4	3763124	2.55E-04	8.68E-04	3.96E-05	1.42E-04	2.13E-05	6.58E-05
590	437785.3	3763133	2.33E-04	7.94E-04	3.62E-05	1.30E-04	1.95E-05	6.01E-05
591	437777.1	3763142	2.13E-04	7.25E-04	3.31E-05	1.18E-04	1.78E-05	5.50E-05
592	437875.5	3763080	3.66E-04	1.25E-03	5.69E-05	2.04E-04	3.07E-05	9.47E-05
593	437859	3763097	3.32E-04	1.13E-03	5.16E-05	1.85E-04	2.78E-05	8.57E-05
594	437850.7	3763106	3.14E-04	1.07E-03	4.87E-05	1.75E-04	2.62E-05	8.10E-05
595	437842.4	3763115	2.92E-04	9.97E-04	4.54E-05	1.63E-04	2.45E-05	7.56E-05
596	437834.2	3763124	2.71E-04	9.24E-04	4.21E-05	1.51E-04	2.27E-05	7.00E-05
597	437825.9	3763133	2.50E-04	8.52E-04	3.88E-05	1.39E-04	2.09E-05	6.46E-05
598	437900.5	3763096	3.24E-04	1.11E-03	5.04E-05	1.81E-04	2.72E-05	8.38E-05
599	437867	3763132	2.61E-04	8.90E-04	4.05E-05	1.45E-04	2.18E-05	6.74E-05
600	437858.6	3763141	2.44E-04	8.32E-04	3.79E-05	1.36E-04	2.04E-05	6.31E-05
601	437850.2	3763150	2.27E-04	7.73E-04	3.52E-05	1.26E-04	1.90E-05	5.86E-05
602	437841.9	3763159	2.09E-04	7.14E-04	3.25E-05	1.17E-04	1.75E-05	5.41E-05
603	437833.5	3763168	1.93E-04	6.58E-04	3.00E-05	1.07E-04	1.61E-05	4.98E-05
604	437825.1	3763177	1.78E-04	6.06E-04	2.76E-05	9.91E-05	1.49E-05	4.60E-05
605	437925.5	3763113	2.89E-04	9.85E-04	4.49E-05	1.61E-04	2.42E-05	7.46E-05
606	437917.3	3763122	2.76E-04	9.42E-04	4.29E-05	1.54E-04	2.31E-05	7.14E-05
607	437909.1	3763130	2.63E-04	8.97E-04	4.09E-05	1.47E-04	2.20E-05	6.80E-05
608	437900.8	3763139	2.50E-04	8.51E-04	3.88E-05	1.39E-04	2.09E-05	6.45E-05
609	437867.9	3763175	1.93E-04	6.57E-04	3.00E-05	1.07E-04	1.61E-05	4.98E-05
610	437859.7	3763184	1.79E-04	6.11E-04	2.78E-05	9.98E-05	1.50E-05	4.63E-05
611	437851.5	3763192	1.66E-04	5.65E-04	2.58E-05	9.24E-05	1.39E-05	4.28E-05
612	437843.3	3763201	1.54E-04	5.23E-04	2.39E-05	8.55E-05	1.28E-05	3.97E-05
613	437835.1	3763210	1.42E-04	4.86E-04	2.21E-05	7.93E-05	1.19E-05	3.68E-05
614	437950.4	3763129	2.59E-04	8.84E-04	4.03E-05	1.44E-04	2.17E-05	6.70E-05
615	437942.1	3763138	2.48E-04	8.46E-04	3.86E-05	1.38E-04	2.08E-05	6.41E-05
616	437933.8	3763147	2.37E-04	8.07E-04	3.68E-05	1.32E-04	1.98E-05	6.12E-05
617	437925.5	3763156	2.25E-04	7.67E-04	3.49E-05	1.25E-04	1.88E-05	5.81E-05
618	437917.2	3763165	2.13E-04	7.26E-04	3.31E-05	1.19E-04	1.78E-05	5.50E-05
619	437908.9	3763174	2.01E-04	6.85E-04	3.12E-05	1.12E-04	1.68E-05	5.19E-05
620	437900.6	3763183	1.88E-04	6.43E-04	2.93E-05	1.05E-04	1.58E-05	4.87E-05

621	437867.4	3763219	1.42E-04	4.83E-04	2.20E-05	7.89E-05	1.18E-05	3.66E-05
622	437859	3763228	1.32E-04	4.49E-04	2.04E-05	7.33E-05	1.10E-05	3.40E-05
623	437850.7	3763237	1.22E-04	4.17E-04	1.90E-05	6.81E-05	1.02E-05	3.16E-05
624	437950.2	3763173	2.04E-04	6.97E-04	3.18E-05	1.14E-04	1.71E-05	5.28E-05
625	437941.8	3763182	1.94E-04	6.60E-04	3.01E-05	1.08E-04	1.62E-05	5.00E-05
626	437933.5	3763191	1.83E-04	6.25E-04	2.85E-05	1.02E-04	1.53E-05	4.73E-05
627	437925.1	3763200	1.73E-04	5.88E-04	2.68E-05	9.61E-05	1.44E-05	4.46E-05
628	437916.7	3763209	1.62E-04	5.51E-04	2.51E-05	9.01E-05	1.35E-05	4.18E-05
629	437908.3	3763218	1.51E-04	5.15E-04	2.35E-05	8.41E-05	1.26E-05	3.90E-05
630	437874.7	3763254	1.12E-04	3.82E-04	1.74E-05	6.24E-05	9.37E-06	2.89E-05
631	438000.4	3763163	2.14E-04	7.29E-04	3.32E-05	1.19E-04	1.79E-05	5.53E-05
632	437992.1	3763172	2.06E-04	7.02E-04	3.20E-05	1.15E-04	1.72E-05	5.32E-05
633	437983.9	3763180	1.97E-04	6.71E-04	3.06E-05	1.10E-04	1.65E-05	5.08E-05
634	437950.8	3763216	1.60E-04	5.44E-04	2.48E-05	8.89E-05	1.34E-05	4.12E-05
635	437942.6	3763225	1.50E-04	5.12E-04	2.33E-05	8.37E-05	1.26E-05	3.88E-05
636	437934.3	3763234	1.41E-04	4.81E-04	2.19E-05	7.85E-05	1.18E-05	3.64E-05
637	437926.1	3763243	1.32E-04	4.50E-04	2.05E-05	7.35E-05	1.10E-05	3.41E-05
638	437917.8	3763252	1.23E-04	4.20E-04	1.91E-05	6.86E-05	1.03E-05	3.18E-05
639	437909.5	3763260	1.15E-04	3.91E-04	1.78E-05	6.39E-05	9.60E-06	2.96E-05
640	437901.3	3763269	1.07E-04	3.65E-04	1.66E-05	5.97E-05	8.97E-06	2.77E-05
641	437893	3763278	9.99E-05	3.41E-04	1.55E-05	5.57E-05	8.37E-06	2.58E-05
642	438025.4	3763179	1.95E-04	6.65E-04	3.03E-05	1.09E-04	1.63E-05	5.04E-05
643	438017	3763188	1.88E-04	6.39E-04	2.91E-05	1.04E-04	1.57E-05	4.85E-05
644	438008.7	3763197	1.80E-04	6.13E-04	2.79E-05	1.00E-04	1.50E-05	4.64E-05
645	438000.4	3763206	1.71E-04	5.85E-04	2.66E-05	9.55E-05	1.44E-05	4.43E-05
646	437992	3763215	1.64E-04	5.59E-04	2.55E-05	9.13E-05	1.37E-05	4.23E-05
647	437983.7	3763224	1.56E-04	5.30E-04	2.42E-05	8.66E-05	1.30E-05	4.02E-05
648	437950.4	3763260	1.22E-04	4.16E-04	1.90E-05	6.80E-05	1.02E-05	3.15E-05
649	437942	3763269	1.15E-04	3.91E-04	1.78E-05	6.38E-05	9.59E-06	2.96E-05
650	437933.7	3763278	1.07E-04	3.66E-04	1.67E-05	5.98E-05	8.98E-06	2.77E-05
651	437925.4	3763287	1.00E-04	3.43E-04	1.56E-05	5.60E-05	8.41E-06	2.60E-05
652	437917	3763296	9.45E-05	3.22E-04	1.47E-05	5.27E-05	7.91E-06	2.44E-05
653	437908.7	3763305	8.84E-05	3.01E-04	1.37E-05	4.93E-05	7.40E-06	2.28E-05
654	438025.1	3763223	1.58E-04	5.40E-04	2.46E-05	8.82E-05	1.33E-05	4.09E-05
655	437999.9	3763250	1.35E-04	4.61E-04	2.10E-05	7.53E-05	1.13E-05	3.49E-05
656	437991.5	3763259	1.28E-04	4.35E-04	1.98E-05	7.11E-05	1.07E-05	3.30E-05
657	437983.1	3763268	1.20E-04	4.10E-04	1.87E-05	6.70E-05	1.01E-05	3.11E-05
658	437949.5	3763304	9.40E-05	3.21E-04	1.46E-05	5.24E-05	7.87E-06	2.43E-05
659	437941.1	3763313	8.84E-05	3.02E-04	1.37E-05	4.93E-05	7.40E-06	2.28E-05
660	438083.6	3763218	1.59E-04	5.43E-04	2.48E-05	8.87E-05	1.33E-05	4.12E-05
661	438075.2	3763227	1.54E-04	5.24E-04	2.39E-05	8.56E-05	1.29E-05	3.97E-05
662	438058.3	3763245	1.41E-04	4.82E-04	2.20E-05	7.88E-05	1.18E-05	3.66E-05
663	438049.9	3763254	1.35E-04	4.61E-04	2.10E-05	7.53E-05	1.13E-05	3.49E-05
664	438041.5	3763263	1.29E-04	4.39E-04	2.00E-05	7.18E-05	1.08E-05	3.33E-05
665	438033.1	3763272	1.22E-04	4.17E-04	1.90E-05	6.82E-05	1.02E-05	3.16E-05
666	438024.7	3763282	1.16E-04	3.95E-04	1.80E-05	6.46E-05	9.71E-06	3.00E-05
667	438016.2	3763291	1.10E-04	3.74E-04	1.70E-05	6.11E-05	9.18E-06	2.84E-05
668	438007.8	3763300	1.04E-04	3.54E-04	1.61E-05	5.79E-05	8.69E-06	2.68E-05
669	437999.4	3763309	9.81E-05	3.34E-04	1.52E-05	5.46E-05	8.21E-06	2.53E-05
670	437991	3763318	9.24E-05	3.15E-04	1.44E-05	5.15E-05	7.74E-06	2.39E-05
671	437982.6	3763327	8.70E-05	2.97E-04	1.35E-05	4.85E-05	7.28E-06	2.25E-05
672	437948.9	3763363	6.77E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05

673	438108.4	3763249	1.39E-04	4.74E-04	2.16E-05	7.74E-05	1.16E-05	3.59E-05
674	438100	3763258	1.34E-04	4.56E-04	2.08E-05	7.44E-05	1.12E-05	3.45E-05
675	438091.6	3763268	1.28E-04	4.37E-04	1.99E-05	7.14E-05	1.07E-05	3.31E-05
676	438083.1	3763277	1.23E-04	4.19E-04	1.91E-05	6.84E-05	1.03E-05	3.17E-05
677	438074.7	3763286	1.17E-04	4.00E-04	1.82E-05	6.54E-05	9.82E-06	3.03E-05
678	438066.2	3763295	1.12E-04	3.81E-04	1.74E-05	6.23E-05	9.36E-06	2.89E-05
679	438057.8	3763304	1.06E-04	3.63E-04	1.65E-05	5.92E-05	8.90E-06	2.75E-05
680	438049.4	3763313	1.01E-04	3.45E-04	1.57E-05	5.63E-05	8.46E-06	2.61E-05
681	438040.9	3763322	9.60E-05	3.27E-04	1.49E-05	5.35E-05	8.04E-06	2.48E-05
682	438032.5	3763331	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
683	438024	3763340	8.61E-05	2.94E-04	1.34E-05	4.80E-05	7.21E-06	2.22E-05
684	438015.6	3763349	8.13E-05	2.77E-04	1.26E-05	4.53E-05	6.81E-06	2.10E-05
685	438007.2	3763358	7.65E-05	2.61E-04	1.19E-05	4.26E-05	6.40E-06	1.98E-05
686	437998.7	3763367	7.18E-05	2.45E-04	1.12E-05	4.00E-05	6.01E-06	1.86E-05
687	438150.2	3763262	1.31E-04	4.45E-04	2.03E-05	7.28E-05	1.09E-05	3.37E-05
688	438141.9	3763271	1.27E-04	4.33E-04	1.97E-05	7.08E-05	1.06E-05	3.28E-05
689	438133.6	3763280	1.23E-04	4.18E-04	1.90E-05	6.83E-05	1.03E-05	3.17E-05
690	438125.3	3763289	1.18E-04	4.03E-04	1.83E-05	6.58E-05	9.88E-06	3.05E-05
691	438117	3763298	1.13E-04	3.86E-04	1.76E-05	6.31E-05	9.48E-06	2.93E-05
692	438108.7	3763307	1.08E-04	3.70E-04	1.68E-05	6.04E-05	9.08E-06	2.80E-05
693	438100.4	3763316	1.04E-04	3.54E-04	1.61E-05	5.78E-05	8.68E-06	2.68E-05
694	438092.1	3763325	9.90E-05	3.38E-04	1.54E-05	5.51E-05	8.29E-06	2.56E-05
695	438083.8	3763334	9.43E-05	3.22E-04	1.47E-05	5.25E-05	7.89E-06	2.44E-05
696	438075.4	3763343	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
697	438067.1	3763352	8.52E-05	2.90E-04	1.32E-05	4.74E-05	7.13E-06	2.20E-05
698	438058.8	3763361	8.08E-05	2.75E-04	1.25E-05	4.50E-05	6.76E-06	2.09E-05
699	438050.5	3763370	7.66E-05	2.61E-04	1.19E-05	4.27E-05	6.41E-06	1.98E-05
700	438017.3	3763405	6.08E-05	2.07E-04	9.45E-06	3.39E-05	5.09E-06	1.57E-05
701	438009	3763414	5.73E-05	1.96E-04	8.91E-06	3.19E-05	4.80E-06	1.48E-05
702	438000.7	3763423	5.41E-05	1.84E-04	8.40E-06	3.01E-05	4.52E-06	1.40E-05
703	438183.5	3763285	1.19E-04	4.05E-04	1.85E-05	6.62E-05	9.95E-06	3.07E-05
704	438175.2	3763294	1.15E-04	3.93E-04	1.79E-05	6.42E-05	9.64E-06	2.98E-05
705	438166.9	3763303	1.12E-04	3.82E-04	1.74E-05	6.24E-05	9.37E-06	2.89E-05
706	438158.5	3763312	1.08E-04	3.68E-04	1.68E-05	6.02E-05	9.04E-06	2.79E-05
707	438150.2	3763320	1.04E-04	3.54E-04	1.61E-05	5.79E-05	8.70E-06	2.68E-05
708	438141.9	3763329	9.96E-05	3.40E-04	1.55E-05	5.55E-05	8.34E-06	2.57E-05
709	438133.5	3763338	9.54E-05	3.25E-04	1.48E-05	5.31E-05	7.99E-06	2.47E-05
710	438125.2	3763347	9.13E-05	3.11E-04	1.42E-05	5.08E-05	7.64E-06	2.36E-05
711	438116.9	3763356	8.72E-05	2.97E-04	1.36E-05	4.86E-05	7.30E-06	2.25E-05
712	438108.5	3763365	8.32E-05	2.84E-04	1.29E-05	4.63E-05	6.96E-06	2.15E-05
713	438075.2	3763401	6.80E-05	2.32E-04	1.06E-05	3.79E-05	5.69E-06	1.76E-05
714	438066.9	3763410	6.45E-05	2.20E-04	1.00E-05	3.59E-05	5.40E-06	1.67E-05
715	438058.5	3763419	6.10E-05	2.08E-04	9.49E-06	3.40E-05	5.11E-06	1.58E-05
716	438050.2	3763428	5.77E-05	1.97E-04	8.96E-06	3.21E-05	4.83E-06	1.49E-05
717	438041.9	3763437	5.44E-05	1.86E-04	8.46E-06	3.03E-05	4.56E-06	1.41E-05
718	438033.5	3763446	5.14E-05	1.75E-04	7.98E-06	2.86E-05	4.30E-06	1.33E-05
719	438025.2	3763455	4.85E-05	1.66E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
720	438216.8	3763307	1.09E-04	3.72E-04	1.69E-05	6.07E-05	9.12E-06	2.82E-05
721	438208.5	3763316	1.06E-04	3.60E-04	1.64E-05	5.89E-05	8.85E-06	2.73E-05
722	438200.1	3763325	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.64E-05
723	438191.7	3763334	9.88E-05	3.37E-04	1.54E-05	5.51E-05	8.27E-06	2.55E-05
724	438183.4	3763343	9.52E-05	3.25E-04	1.48E-05	5.30E-05	7.97E-06	2.46E-05

725	438175	3763352	9.15E-05	3.12E-04	1.42E-05	5.10E-05	7.66E-06	2.36E-05
726	438166.7	3763361	8.78E-05	2.99E-04	1.36E-05	4.89E-05	7.35E-06	2.27E-05
727	438158.3	3763370	8.41E-05	2.87E-04	1.31E-05	4.68E-05	7.04E-06	2.17E-05
728	438124.9	3763406	7.00E-05	2.39E-04	1.09E-05	3.90E-05	5.86E-06	1.81E-05
729	438116.6	3763415	6.68E-05	2.28E-04	1.04E-05	3.72E-05	5.59E-06	1.72E-05
730	438108.2	3763424	6.36E-05	2.17E-04	9.89E-06	3.55E-05	5.33E-06	1.64E-05
731	438099.9	3763433	6.06E-05	2.07E-04	9.41E-06	3.37E-05	5.07E-06	1.57E-05
732	438091.5	3763442	5.76E-05	1.96E-04	8.95E-06	3.21E-05	4.82E-06	1.49E-05
733	438083.2	3763451	5.45E-05	1.86E-04	8.47E-06	3.03E-05	4.56E-06	1.41E-05
734	438074.8	3763460	5.15E-05	1.76E-04	8.01E-06	2.87E-05	4.31E-06	1.33E-05
735	438066.4	3763469	4.88E-05	1.66E-04	7.58E-06	2.72E-05	4.08E-06	1.26E-05
736	438058.1	3763477	4.62E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
737	438049.7	3763486	4.37E-05	1.49E-04	6.79E-06	2.43E-05	3.66E-06	1.13E-05
738	438250.1	3763329	9.99E-05	3.41E-04	1.55E-05	5.57E-05	8.36E-06	2.58E-05
739	438241.7	3763338	9.71E-05	3.31E-04	1.51E-05	5.41E-05	8.13E-06	2.51E-05
740	438233.4	3763347	9.41E-05	3.21E-04	1.46E-05	5.24E-05	7.88E-06	2.43E-05
741	438225	3763356	9.11E-05	3.11E-04	1.42E-05	5.07E-05	7.62E-06	2.35E-05
742	438216.6	3763365	8.79E-05	3.00E-04	1.37E-05	4.90E-05	7.36E-06	2.27E-05
743	438183.1	3763401	7.47E-05	2.55E-04	1.16E-05	4.16E-05	6.25E-06	1.93E-05
744	438174.7	3763410	7.14E-05	2.43E-04	1.11E-05	3.98E-05	5.98E-06	1.84E-05
745	438166.4	3763419	6.85E-05	2.33E-04	1.06E-05	3.81E-05	5.73E-06	1.77E-05
746	438158	3763428	6.56E-05	2.24E-04	1.02E-05	3.65E-05	5.49E-06	1.69E-05
747	438149.6	3763437	6.28E-05	2.14E-04	9.75E-06	3.50E-05	5.25E-06	1.62E-05
748	438141.3	3763446	5.99E-05	2.04E-04	9.30E-06	3.33E-05	5.01E-06	1.55E-05
749	438132.9	3763455	5.69E-05	1.94E-04	8.85E-06	3.17E-05	4.76E-06	1.47E-05
750	438124.5	3763464	5.41E-05	1.84E-04	8.40E-06	3.01E-05	4.52E-06	1.40E-05
751	438116.1	3763473	5.12E-05	1.75E-04	7.96E-06	2.85E-05	4.29E-06	1.32E-05
752	438107.8	3763482	4.86E-05	1.66E-04	7.55E-06	2.71E-05	4.06E-06	1.25E-05
753	438099.4	3763491	4.60E-05	1.57E-04	7.15E-06	2.56E-05	3.85E-06	1.19E-05
754	438091	3763500	4.36E-05	1.49E-04	6.78E-06	2.43E-05	3.65E-06	1.13E-05
755	438082.7	3763509	4.15E-05	1.41E-04	6.44E-06	2.31E-05	3.47E-06	1.07E-05
756	438074.3	3763518	3.94E-05	1.34E-04	6.12E-06	2.19E-05	3.30E-06	1.02E-05
757	438283.4	3763351	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.72E-06	2.38E-05
758	438275	3763360	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
759	438266.6	3763369	8.70E-05	2.97E-04	1.35E-05	4.85E-05	7.28E-06	2.25E-05
760	438233.1	3763405	7.57E-05	2.58E-04	1.18E-05	4.22E-05	6.34E-06	1.96E-05
761	438224.7	3763414	7.28E-05	2.48E-04	1.13E-05	4.05E-05	6.09E-06	1.88E-05
762	438216.3	3763423	7.00E-05	2.39E-04	1.09E-05	3.90E-05	5.86E-06	1.81E-05
763	438207.9	3763432	6.73E-05	2.29E-04	1.05E-05	3.75E-05	5.63E-06	1.74E-05
764	438199.5	3763441	6.46E-05	2.20E-04	1.00E-05	3.60E-05	5.41E-06	1.67E-05
765	438191.1	3763450	6.19E-05	2.11E-04	9.62E-06	3.45E-05	5.18E-06	1.60E-05
766	438182.7	3763459	5.93E-05	2.02E-04	9.22E-06	3.31E-05	4.97E-06	1.53E-05
767	438174.3	3763468	5.67E-05	1.94E-04	8.82E-06	3.16E-05	4.75E-06	1.47E-05
768	438165.9	3763477	5.39E-05	1.84E-04	8.38E-06	3.00E-05	4.51E-06	1.39E-05
769	438157.5	3763486	5.12E-05	1.75E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
770	438149.2	3763496	4.85E-05	1.66E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
771	438140.8	3763505	4.61E-05	1.57E-04	7.16E-06	2.57E-05	3.85E-06	1.19E-05
772	438132.4	3763514	4.37E-05	1.49E-04	6.79E-06	2.44E-05	3.66E-06	1.13E-05
773	438124	3763523	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
774	438115.6	3763532	3.95E-05	1.35E-04	6.13E-06	2.20E-05	3.30E-06	1.02E-05
775	438291.5	3763400	7.82E-05	2.67E-04	1.21E-05	4.36E-05	6.54E-06	2.02E-05
776	438283.1	3763409	7.56E-05	2.58E-04	1.17E-05	4.21E-05	6.32E-06	1.95E-05

777	438266.2	3763428	7.04E-05	2.40E-04	1.09E-05	3.92E-05	5.89E-06	1.82E-05
778	438257.8	3763437	6.79E-05	2.31E-04	1.05E-05	3.78E-05	5.68E-06	1.75E-05
779	438249.4	3763446	6.54E-05	2.23E-04	1.02E-05	3.64E-05	5.47E-06	1.69E-05
780	438241	3763455	6.30E-05	2.15E-04	9.79E-06	3.51E-05	5.28E-06	1.63E-05
781	438232.6	3763464	6.07E-05	2.07E-04	9.43E-06	3.38E-05	5.08E-06	1.57E-05
782	438224.2	3763473	5.84E-05	1.99E-04	9.07E-06	3.25E-05	4.89E-06	1.51E-05
783	438215.8	3763482	5.59E-05	1.91E-04	8.69E-06	3.12E-05	4.68E-06	1.45E-05
784	438207.4	3763491	5.35E-05	1.82E-04	8.31E-06	2.98E-05	4.48E-06	1.38E-05
785	438199	3763500	5.10E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
786	438190.6	3763509	4.85E-05	1.65E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
787	438182.2	3763518	4.61E-05	1.57E-04	7.16E-06	2.57E-05	3.86E-06	1.19E-05
788	438173.8	3763527	4.38E-05	1.49E-04	6.81E-06	2.44E-05	3.67E-06	1.13E-05
789	438165.4	3763536	4.17E-05	1.42E-04	6.48E-06	2.32E-05	3.49E-06	1.08E-05
790	438140.2	3763563	3.60E-05	1.23E-04	5.60E-06	2.01E-05	3.01E-06	9.30E-06
791	438131.8	3763572	3.42E-05	1.17E-04	5.32E-06	1.91E-05	2.87E-06	8.85E-06
792	438123.4	3763581	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
793	438350	3763395	7.89E-05	2.69E-04	1.23E-05	4.40E-05	6.61E-06	2.04E-05
794	438341.6	3763405	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.45E-06	1.99E-05
795	438333.1	3763414	7.50E-05	2.56E-04	1.16E-05	4.18E-05	6.27E-06	1.94E-05
796	438324.7	3763423	7.27E-05	2.48E-04	1.13E-05	4.05E-05	6.09E-06	1.88E-05
797	438316.3	3763432	7.04E-05	2.40E-04	1.09E-05	3.92E-05	5.90E-06	1.82E-05
798	438307.9	3763441	6.81E-05	2.32E-04	1.06E-05	3.79E-05	5.70E-06	1.76E-05
799	438299.5	3763450	6.58E-05	2.25E-04	1.02E-05	3.67E-05	5.51E-06	1.70E-05
800	438291	3763459	6.36E-05	2.17E-04	9.88E-06	3.54E-05	5.32E-06	1.64E-05
801	438257.4	3763495	5.50E-05	1.87E-04	8.54E-06	3.06E-05	4.60E-06	1.42E-05
802	438248.9	3763504	5.27E-05	1.80E-04	8.20E-06	2.94E-05	4.41E-06	1.36E-05
803	438240.5	3763513	5.05E-05	1.72E-04	7.85E-06	2.81E-05	4.23E-06	1.30E-05
804	438232.1	3763522	4.83E-05	1.65E-04	7.51E-06	2.69E-05	4.04E-06	1.25E-05
805	438223.7	3763531	4.61E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
806	438198.4	3763558	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
807	438190	3763568	3.81E-05	1.30E-04	5.91E-06	2.12E-05	3.19E-06	9.83E-06
808	438181.6	3763577	3.63E-05	1.24E-04	5.64E-06	2.02E-05	3.04E-06	9.38E-06
809	438173.1	3763586	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.95E-06
810	438164.7	3763595	3.30E-05	1.13E-04	5.13E-06	1.84E-05	2.76E-06	8.53E-06
811	438156.3	3763604	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
812	438147.9	3763613	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
813	438349.5	3763454	6.56E-05	2.24E-04	1.02E-05	3.66E-05	5.49E-06	1.70E-05
814	438341.1	3763463	6.36E-05	2.17E-04	9.89E-06	3.55E-05	5.33E-06	1.64E-05
815	438332.7	3763472	6.16E-05	2.10E-04	9.58E-06	3.43E-05	5.16E-06	1.59E-05
816	438324.2	3763481	5.97E-05	2.03E-04	9.27E-06	3.32E-05	4.99E-06	1.54E-05
817	438315.8	3763490	5.77E-05	1.97E-04	8.97E-06	3.22E-05	4.83E-06	1.49E-05
818	438307.4	3763499	5.58E-05	1.90E-04	8.67E-06	3.11E-05	4.67E-06	1.44E-05
819	438298.9	3763508	5.38E-05	1.84E-04	8.36E-06	3.00E-05	4.50E-06	1.39E-05
820	438290.5	3763517	5.18E-05	1.77E-04	8.05E-06	2.89E-05	4.34E-06	1.34E-05
821	438248.3	3763563	4.18E-05	1.43E-04	6.50E-06	2.33E-05	3.50E-06	1.08E-05
822	438239.9	3763572	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
823	438231.5	3763581	3.81E-05	1.30E-04	5.92E-06	2.12E-05	3.19E-06	9.85E-06
824	438223	3763590	3.64E-05	1.24E-04	5.66E-06	2.03E-05	3.05E-06	9.41E-06
825	438214.6	3763599	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.01E-06
826	438206.2	3763608	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.61E-06
827	438197.7	3763617	3.18E-05	1.09E-04	4.95E-06	1.77E-05	2.66E-06	8.22E-06
828	438189.3	3763626	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06

829	438180.9	3763635	2.90E-05	9.88E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
830	438172.4	3763644	2.76E-05	9.42E-05	4.29E-06	1.54E-05	2.31E-06	7.14E-06
831	437586	3762818	9.35E-03	3.19E-02	1.45E-03	5.21E-03	7.83E-04	2.42E-03
832	437586	3762808	9.37E-03	3.20E-02	1.46E-03	5.22E-03	7.85E-04	2.42E-03
833	437586	3762798	9.34E-03	3.18E-02	1.45E-03	5.20E-03	7.82E-04	2.41E-03
834	437586	3762788	9.18E-03	3.13E-02	1.43E-03	5.11E-03	7.68E-04	2.37E-03
835	437586.1	3762779	8.89E-03	3.03E-02	1.38E-03	4.95E-03	7.44E-04	2.30E-03
836	437586.1	3762769	8.43E-03	2.88E-02	1.31E-03	4.70E-03	7.06E-04	2.18E-03
837	437586.1	3762759	7.82E-03	2.67E-02	1.22E-03	4.36E-03	6.55E-04	2.02E-03
838	437586.1	3762749	7.03E-03	2.40E-02	1.09E-03	3.92E-03	5.88E-04	1.82E-03
839	437586.1	3762739	6.05E-03	2.06E-02	9.40E-04	3.37E-03	5.06E-04	1.56E-03
840	437586.1	3762730	5.00E-03	1.71E-02	7.78E-04	2.79E-03	4.19E-04	1.29E-03
841	437596	3762818	7.75E-03	2.64E-02	1.20E-03	4.32E-03	6.48E-04	2.00E-03
842	437596	3762808	7.75E-03	2.64E-02	1.20E-03	4.32E-03	6.49E-04	2.00E-03
843	437596	3762798	7.72E-03	2.63E-02	1.20E-03	4.30E-03	6.46E-04	2.00E-03
844	437596	3762788	7.58E-03	2.58E-02	1.18E-03	4.22E-03	6.34E-04	1.96E-03
845	437596.1	3762779	7.32E-03	2.50E-02	1.14E-03	4.08E-03	6.13E-04	1.89E-03
846	437596.1	3762769	6.91E-03	2.36E-02	1.07E-03	3.85E-03	5.79E-04	1.79E-03
847	437596.1	3762759	6.39E-03	2.18E-02	9.93E-04	3.56E-03	5.35E-04	1.65E-03
848	437596.1	3762749	5.74E-03	1.96E-02	8.92E-04	3.20E-03	4.81E-04	1.48E-03
849	437596.1	3762739	4.99E-03	1.70E-02	7.76E-04	2.78E-03	4.18E-04	1.29E-03
850	437596.1	3762730	4.23E-03	1.44E-02	6.57E-04	2.35E-03	3.54E-04	1.09E-03
851	437606	3762828	6.47E-03	2.20E-02	1.00E-03	3.60E-03	5.41E-04	1.67E-03
852	437606	3762818	6.54E-03	2.23E-02	1.02E-03	3.64E-03	5.47E-04	1.69E-03
853	437606	3762808	6.53E-03	2.23E-02	1.01E-03	3.64E-03	5.46E-04	1.69E-03
854	437606	3762798	6.49E-03	2.21E-02	1.01E-03	3.62E-03	5.44E-04	1.68E-03
855	437606	3762788	6.37E-03	2.17E-02	9.89E-04	3.55E-03	5.33E-04	1.64E-03
856	437606.1	3762779	6.14E-03	2.09E-02	9.53E-04	3.42E-03	5.14E-04	1.59E-03
857	437606.1	3762769	5.78E-03	1.97E-02	8.98E-04	3.22E-03	4.84E-04	1.49E-03
858	437606.1	3762759	5.33E-03	1.82E-02	8.28E-04	2.97E-03	4.46E-04	1.38E-03
859	437606.1	3762749	4.80E-03	1.64E-02	7.46E-04	2.68E-03	4.02E-04	1.24E-03
860	437606.1	3762739	4.22E-03	1.44E-02	6.56E-04	2.35E-03	3.54E-04	1.09E-03
861	437606.1	3762730	3.64E-03	1.24E-02	5.65E-04	2.03E-03	3.04E-04	9.40E-04
862	437616	3762828	5.64E-03	1.92E-02	8.77E-04	3.14E-03	4.72E-04	1.46E-03
863	437616	3762818	5.69E-03	1.94E-02	8.84E-04	3.17E-03	4.76E-04	1.47E-03
864	437616	3762808	5.66E-03	1.93E-02	8.80E-04	3.15E-03	4.74E-04	1.46E-03
865	437616	3762798	5.62E-03	1.92E-02	8.73E-04	3.13E-03	4.70E-04	1.45E-03
866	437616	3762788	5.49E-03	1.87E-02	8.54E-04	3.06E-03	4.60E-04	1.42E-03
867	437616.1	3762779	5.28E-03	1.80E-02	8.21E-04	2.94E-03	4.42E-04	1.37E-03
868	437616.1	3762769	4.97E-03	1.69E-02	7.72E-04	2.77E-03	4.16E-04	1.28E-03
869	437616.1	3762759	4.58E-03	1.56E-02	7.12E-04	2.55E-03	3.83E-04	1.18E-03
870	437616.1	3762749	4.14E-03	1.41E-02	6.44E-04	2.31E-03	3.47E-04	1.07E-03
871	437616.1	3762739	3.68E-03	1.25E-02	5.72E-04	2.05E-03	3.08E-04	9.51E-04
872	437616.1	3762730	3.21E-03	1.10E-02	4.99E-04	1.79E-03	2.69E-04	8.30E-04
873	437626	3762828	5.02E-03	1.71E-02	7.80E-04	2.80E-03	4.20E-04	1.30E-03
874	437626	3762818	5.04E-03	1.72E-02	7.84E-04	2.81E-03	4.22E-04	1.30E-03
875	437626	3762808	5.01E-03	1.71E-02	7.78E-04	2.79E-03	4.19E-04	1.29E-03
876	437626	3762798	4.95E-03	1.69E-02	7.69E-04	2.76E-03	4.14E-04	1.28E-03
877	437626	3762788	4.83E-03	1.65E-02	7.50E-04	2.69E-03	4.04E-04	1.25E-03
878	437626.1	3762779	4.63E-03	1.58E-02	7.19E-04	2.58E-03	3.88E-04	1.20E-03
879	437626.1	3762769	4.35E-03	1.48E-02	6.75E-04	2.42E-03	3.64E-04	1.12E-03
880	437626.1	3762759	4.01E-03	1.37E-02	6.24E-04	2.24E-03	3.36E-04	1.04E-03

881	437626.1	3762749	3.64E-03	1.24E-02	5.66E-04	2.03E-03	3.05E-04	9.41E-04
882	437626.1	3762739	3.26E-03	1.11E-02	5.06E-04	1.82E-03	2.73E-04	8.42E-04
883	437626.1	3762730	2.88E-03	9.81E-03	4.47E-04	1.60E-03	2.41E-04	7.43E-04
884	437636	3762828	4.49E-03	1.53E-02	6.98E-04	2.50E-03	3.76E-04	1.16E-03
885	437636	3762818	4.50E-03	1.53E-02	6.99E-04	2.51E-03	3.77E-04	1.16E-03
886	437636	3762808	4.45E-03	1.52E-02	6.92E-04	2.48E-03	3.73E-04	1.15E-03
887	437636	3762798	4.39E-03	1.50E-02	6.82E-04	2.45E-03	3.67E-04	1.13E-03
888	437636	3762789	4.27E-03	1.45E-02	6.63E-04	2.38E-03	3.57E-04	1.10E-03
889	437636.1	3762779	4.08E-03	1.39E-02	6.34E-04	2.27E-03	3.42E-04	1.06E-03
890	437636.1	3762769	3.83E-03	1.31E-02	5.95E-04	2.13E-03	3.21E-04	9.90E-04
891	437636.1	3762759	3.54E-03	1.21E-02	5.50E-04	1.97E-03	2.97E-04	9.15E-04
892	437636.1	3762749	3.23E-03	1.10E-02	5.01E-04	1.80E-03	2.70E-04	8.34E-04
893	437636.1	3762739	2.91E-03	9.92E-03	4.52E-04	1.62E-03	2.43E-04	7.51E-04
894	437636.1	3762730	2.59E-03	8.83E-03	4.02E-04	1.44E-03	2.17E-04	6.69E-04
895	437633.4	3762899	2.90E-03	9.90E-03	4.51E-04	1.62E-03	2.43E-04	7.50E-04
896	437646	3762828	4.05E-03	1.38E-02	6.29E-04	2.25E-03	3.39E-04	1.05E-03
897	437646	3762818	4.05E-03	1.38E-02	6.29E-04	2.25E-03	3.39E-04	1.05E-03
898	437646	3762808	4.00E-03	1.36E-02	6.22E-04	2.23E-03	3.35E-04	1.03E-03
899	437646	3762798	3.93E-03	1.34E-02	6.11E-04	2.19E-03	3.29E-04	1.02E-03
900	437646	3762789	3.81E-03	1.30E-02	5.92E-04	2.12E-03	3.19E-04	9.84E-04
901	437646.1	3762779	3.64E-03	1.24E-02	5.65E-04	2.03E-03	3.05E-04	9.40E-04
902	437646.1	3762769	3.42E-03	1.16E-02	5.31E-04	1.90E-03	2.86E-04	8.83E-04
903	437646.1	3762759	3.16E-03	1.08E-02	4.91E-04	1.76E-03	2.65E-04	8.17E-04
904	437646.1	3762749	2.89E-03	9.85E-03	4.49E-04	1.61E-03	2.42E-04	7.47E-04
905	437646.1	3762739	2.61E-03	8.91E-03	4.06E-04	1.46E-03	2.19E-04	6.75E-04
906	437646.1	3762730	2.34E-03	7.97E-03	3.63E-04	1.30E-03	1.96E-04	6.04E-04
907	437642	3762903	2.62E-03	8.92E-03	4.06E-04	1.46E-03	2.19E-04	6.76E-04
908	437656	3762828	3.66E-03	1.25E-02	5.69E-04	2.04E-03	3.06E-04	9.46E-04
909	437656	3762818	3.66E-03	1.25E-02	5.68E-04	2.04E-03	3.06E-04	9.45E-04
910	437656	3762808	3.61E-03	1.23E-02	5.61E-04	2.01E-03	3.02E-04	9.33E-04
911	437656	3762798	3.54E-03	1.21E-02	5.49E-04	1.97E-03	2.96E-04	9.13E-04
912	437656	3762789	3.42E-03	1.16E-02	5.31E-04	1.90E-03	2.86E-04	8.83E-04
913	437656.1	3762779	3.26E-03	1.11E-02	5.06E-04	1.81E-03	2.73E-04	8.42E-04
914	437656.1	3762769	3.06E-03	1.04E-02	4.75E-04	1.70E-03	2.56E-04	7.91E-04
915	437656.1	3762759	2.84E-03	9.68E-03	4.41E-04	1.58E-03	2.38E-04	7.33E-04
916	437656.1	3762749	2.60E-03	8.87E-03	4.04E-04	1.45E-03	2.18E-04	6.72E-04
917	437656.1	3762739	2.36E-03	8.05E-03	3.67E-04	1.31E-03	1.97E-04	6.10E-04
918	437656.1	3762730	2.12E-03	7.23E-03	3.29E-04	1.18E-03	1.77E-04	5.48E-04
919	437663.4	3762899	2.43E-03	8.28E-03	3.77E-04	1.35E-03	2.03E-04	6.27E-04
920	437658.3	3762915	2.11E-03	7.20E-03	3.28E-04	1.18E-03	1.77E-04	5.46E-04
921	437676	3762828	3.00E-03	1.02E-02	4.66E-04	1.67E-03	2.51E-04	7.76E-04
922	437676	3762818	2.99E-03	1.02E-02	4.64E-04	1.66E-03	2.50E-04	7.72E-04
923	437676	3762808	2.94E-03	1.00E-02	4.57E-04	1.64E-03	2.46E-04	7.59E-04
924	437676	3762798	2.86E-03	9.76E-03	4.44E-04	1.59E-03	2.39E-04	7.39E-04
925	437676	3762789	2.75E-03	9.39E-03	4.28E-04	1.53E-03	2.31E-04	7.12E-04
926	437676.1	3762779	2.62E-03	8.94E-03	4.07E-04	1.46E-03	2.19E-04	6.77E-04
927	437676.1	3762769	2.47E-03	8.41E-03	3.83E-04	1.37E-03	2.07E-04	6.38E-04
928	437676.1	3762759	2.30E-03	7.84E-03	3.57E-04	1.28E-03	1.92E-04	5.94E-04
929	437676.1	3762749	2.12E-03	7.23E-03	3.30E-04	1.18E-03	1.78E-04	5.48E-04
930	437676.1	3762740	1.94E-03	6.62E-03	3.01E-04	1.08E-03	1.62E-04	5.01E-04
931	437676.1	3762730	1.76E-03	6.01E-03	2.74E-04	9.81E-04	1.47E-04	4.55E-04
932	437676.1	3762720	1.59E-03	5.42E-03	2.47E-04	8.86E-04	1.33E-04	4.11E-04

933	437680.3	3762909	2.02E-03	6.87E-03	3.13E-04	1.12E-03	1.69E-04	5.21E-04
934	437677.7	3762917	1.89E-03	6.45E-03	2.94E-04	1.05E-03	1.58E-04	4.89E-04
935	437696	3762838	2.48E-03	8.45E-03	3.85E-04	1.38E-03	2.08E-04	6.41E-04
936	437696	3762828	2.48E-03	8.46E-03	3.85E-04	1.38E-03	2.08E-04	6.41E-04
937	437696	3762818	2.46E-03	8.37E-03	3.82E-04	1.37E-03	2.06E-04	6.34E-04
938	437696	3762808	2.41E-03	8.21E-03	3.74E-04	1.34E-03	2.02E-04	6.22E-04
939	437696	3762798	2.34E-03	7.97E-03	3.63E-04	1.30E-03	1.96E-04	6.04E-04
940	437696	3762789	2.25E-03	7.66E-03	3.49E-04	1.25E-03	1.88E-04	5.81E-04
941	437696.1	3762779	2.14E-03	7.30E-03	3.33E-04	1.19E-03	1.79E-04	5.53E-04
942	437696.1	3762769	2.02E-03	6.89E-03	3.14E-04	1.13E-03	1.69E-04	5.22E-04
943	437696.1	3762759	1.89E-03	6.45E-03	2.94E-04	1.05E-03	1.58E-04	4.89E-04
944	437696.1	3762749	1.76E-03	5.99E-03	2.73E-04	9.78E-04	1.47E-04	4.54E-04
945	437696.1	3762740	1.62E-03	5.52E-03	2.52E-04	9.02E-04	1.36E-04	4.18E-04
946	437696.1	3762730	1.48E-03	5.06E-03	2.31E-04	8.27E-04	1.24E-04	3.84E-04
947	437696.1	3762720	1.35E-03	4.62E-03	2.10E-04	7.54E-04	1.13E-04	3.50E-04
948	437702.5	3762902	1.87E-03	6.39E-03	2.91E-04	1.04E-03	1.57E-04	4.84E-04
949	437699.9	3762910	1.79E-03	6.11E-03	2.78E-04	9.98E-04	1.50E-04	4.63E-04
950	437697.2	3762919	1.70E-03	5.79E-03	2.64E-04	9.46E-04	1.42E-04	4.39E-04
951	437716	3762838	2.08E-03	7.09E-03	3.23E-04	1.16E-03	1.74E-04	5.37E-04
952	437716	3762828	2.07E-03	7.06E-03	3.22E-04	1.15E-03	1.73E-04	5.35E-04
953	437716	3762818	2.04E-03	6.97E-03	3.17E-04	1.14E-03	1.71E-04	5.28E-04
954	437716	3762808	2.00E-03	6.82E-03	3.11E-04	1.11E-03	1.67E-04	5.16E-04
955	437716	3762798	1.94E-03	6.61E-03	3.01E-04	1.08E-03	1.62E-04	5.01E-04
956	437716	3762789	1.86E-03	6.36E-03	2.90E-04	1.04E-03	1.56E-04	4.82E-04
957	437716.1	3762779	1.78E-03	6.06E-03	2.76E-04	9.91E-04	1.49E-04	4.59E-04
958	437716.1	3762769	1.68E-03	5.74E-03	2.62E-04	9.38E-04	1.41E-04	4.35E-04
959	437716.1	3762759	1.58E-03	5.39E-03	2.46E-04	8.81E-04	1.32E-04	4.09E-04
960	437716.1	3762749	1.48E-03	5.04E-03	2.29E-04	8.23E-04	1.24E-04	3.82E-04
961	437716.1	3762740	1.37E-03	4.68E-03	2.13E-04	7.64E-04	1.15E-04	3.54E-04
962	437716.1	3762730	1.27E-03	4.32E-03	1.97E-04	7.06E-04	1.06E-04	3.27E-04
963	437716.1	3762720	1.17E-03	3.98E-03	1.81E-04	6.49E-04	9.76E-05	3.01E-04
964	437736	3762838	1.76E-03	6.02E-03	2.74E-04	9.83E-04	1.48E-04	4.56E-04
965	437736	3762828	1.75E-03	5.97E-03	2.72E-04	9.75E-04	1.46E-04	4.52E-04
966	437736	3762818	1.72E-03	5.87E-03	2.68E-04	9.59E-04	1.44E-04	4.45E-04
967	437736	3762808	1.68E-03	5.73E-03	2.61E-04	9.37E-04	1.41E-04	4.35E-04
968	437736	3762798	1.63E-03	5.56E-03	2.53E-04	9.08E-04	1.36E-04	4.21E-04
969	437736	3762789	1.57E-03	5.35E-03	2.44E-04	8.74E-04	1.31E-04	4.05E-04
970	437736.1	3762779	1.50E-03	5.11E-03	2.33E-04	8.35E-04	1.25E-04	3.87E-04
971	437736.1	3762769	1.42E-03	4.85E-03	2.21E-04	7.93E-04	1.19E-04	3.68E-04
972	437736.1	3762759	1.34E-03	4.58E-03	2.09E-04	7.48E-04	1.12E-04	3.47E-04
973	437736.1	3762749	1.26E-03	4.29E-03	1.96E-04	7.01E-04	1.05E-04	3.25E-04
974	437736.1	3762740	1.18E-03	4.01E-03	1.83E-04	6.55E-04	9.85E-05	3.04E-04
975	437736.1	3762730	1.09E-03	3.73E-03	1.70E-04	6.09E-04	9.16E-05	2.83E-04
976	437736.1	3762720	1.01E-03	3.46E-03	1.57E-04	5.65E-04	8.48E-05	2.62E-04
977	437744.8	3762894	1.51E-03	5.14E-03	2.34E-04	8.39E-04	1.26E-04	3.89E-04
978	437742	3762903	1.47E-03	5.03E-03	2.29E-04	8.21E-04	1.23E-04	3.81E-04
979	437739.2	3762913	1.43E-03	4.88E-03	2.22E-04	7.98E-04	1.20E-04	3.70E-04
980	437736.4	3762922	1.38E-03	4.71E-03	2.14E-04	7.69E-04	1.16E-04	3.57E-04
981	437756	3762838	1.51E-03	5.16E-03	2.35E-04	8.43E-04	1.27E-04	3.91E-04
982	437756	3762828	1.50E-03	5.10E-03	2.32E-04	8.33E-04	1.25E-04	3.87E-04
983	437756	3762818	1.47E-03	5.01E-03	2.28E-04	8.19E-04	1.23E-04	3.80E-04
984	437756	3762808	1.43E-03	4.88E-03	2.23E-04	7.98E-04	1.20E-04	3.70E-04

985	437756	3762798	1.39E-03	4.73E-03	2.16E-04	7.73E-04	1.16E-04	3.59E-04
986	437756	3762789	1.34E-03	4.56E-03	2.08E-04	7.45E-04	1.12E-04	3.45E-04
987	437756.1	3762779	1.28E-03	4.36E-03	1.99E-04	7.13E-04	1.07E-04	3.31E-04
988	437756.1	3762769	1.22E-03	4.15E-03	1.89E-04	6.78E-04	1.02E-04	3.15E-04
989	437756.1	3762759	1.15E-03	3.93E-03	1.79E-04	6.42E-04	9.65E-05	2.98E-04
990	437756.1	3762749	1.09E-03	3.70E-03	1.69E-04	6.05E-04	9.09E-05	2.81E-04
991	437756.1	3762740	1.02E-03	3.48E-03	1.59E-04	5.68E-04	8.54E-05	2.64E-04
992	437756.1	3762730	9.54E-04	3.25E-03	1.48E-04	5.32E-04	7.99E-05	2.47E-04
993	437756.1	3762720	8.90E-04	3.03E-03	1.38E-04	4.96E-04	7.45E-05	2.30E-04
994	437764.6	3762895	1.33E-03	4.55E-03	2.07E-04	7.43E-04	1.12E-04	3.45E-04
995	437761.8	3762904	1.31E-03	4.48E-03	2.04E-04	7.32E-04	1.10E-04	3.39E-04
996	437758.9	3762913	1.28E-03	4.38E-03	1.99E-04	7.15E-04	1.07E-04	3.32E-04
997	437756.1	3762923	1.24E-03	4.24E-03	1.93E-04	6.93E-04	1.04E-04	3.22E-04
998	437753.3	3762932	1.20E-03	4.09E-03	1.86E-04	6.68E-04	1.00E-04	3.10E-04
999	437750.4	3762942	1.15E-03	3.91E-03	1.78E-04	6.39E-04	9.61E-05	2.97E-04
1000	437747.6	3762951	1.09E-03	3.72E-03	1.70E-04	6.08E-04	9.13E-05	2.82E-04
1001	437744.7	3762960	1.03E-03	3.51E-03	1.60E-04	5.74E-04	8.62E-05	2.66E-04
1002	437741.9	3762970	9.68E-04	3.30E-03	1.50E-04	5.39E-04	8.10E-05	2.50E-04
1003	437782.5	3762902	1.18E-03	4.01E-03	1.83E-04	6.55E-04	9.85E-05	3.04E-04
1004	437779.9	3762910	1.16E-03	3.96E-03	1.80E-04	6.47E-04	9.72E-05	3.00E-04
1005	437777.2	3762919	1.14E-03	3.88E-03	1.77E-04	6.35E-04	9.54E-05	2.94E-04
1006	437774.5	3762928	1.11E-03	3.79E-03	1.73E-04	6.19E-04	9.30E-05	2.87E-04
1007	437771.8	3762937	1.08E-03	3.67E-03	1.67E-04	6.00E-04	9.01E-05	2.78E-04
1008	437769.1	3762946	1.04E-03	3.54E-03	1.61E-04	5.78E-04	8.69E-05	2.68E-04
1009	437766.5	3762955	9.94E-04	3.39E-03	1.55E-04	5.54E-04	8.32E-05	2.57E-04
1010	437763.8	3762964	9.47E-04	3.23E-03	1.47E-04	5.28E-04	7.93E-05	2.45E-04
1011	437761.1	3762972	8.98E-04	3.06E-03	1.40E-04	5.00E-04	7.52E-05	2.32E-04
1012	437758.4	3762981	8.47E-04	2.89E-03	1.32E-04	4.72E-04	7.09E-05	2.19E-04
1013	437796	3762848	1.15E-03	3.93E-03	1.79E-04	6.42E-04	9.65E-05	2.98E-04
1014	437796	3762838	1.14E-03	3.89E-03	1.77E-04	6.36E-04	9.56E-05	2.95E-04
1015	437796	3762828	1.13E-03	3.84E-03	1.75E-04	6.27E-04	9.42E-05	2.91E-04
1016	437794.2	3762929	1.01E-03	3.44E-03	1.57E-04	5.62E-04	8.44E-05	2.61E-04
1017	437791.4	3762938	9.83E-04	3.35E-03	1.53E-04	5.48E-04	8.23E-05	2.54E-04
1018	437788.7	3762947	9.53E-04	3.25E-03	1.48E-04	5.31E-04	7.98E-05	2.46E-04
1019	437786	3762956	9.19E-04	3.13E-03	1.43E-04	5.12E-04	7.69E-05	2.37E-04
1020	437783.3	3762965	8.81E-04	3.00E-03	1.37E-04	4.91E-04	7.38E-05	2.28E-04
1021	437780.5	3762974	8.40E-04	2.87E-03	1.31E-04	4.68E-04	7.03E-05	2.17E-04
1022	437777.8	3762983	7.98E-04	2.72E-03	1.24E-04	4.44E-04	6.68E-05	2.06E-04
1023	437775.1	3762992	7.53E-04	2.57E-03	1.17E-04	4.20E-04	6.30E-05	1.95E-04
1024	437816	3762848	1.02E-03	3.47E-03	1.58E-04	5.66E-04	8.51E-05	2.63E-04
1025	437816	3762838	1.01E-03	3.43E-03	1.56E-04	5.60E-04	8.42E-05	2.60E-04
1026	437816	3762828	9.89E-04	3.37E-03	1.54E-04	5.51E-04	8.28E-05	2.55E-04
1027	437816	3762818	9.68E-04	3.30E-03	1.50E-04	5.39E-04	8.10E-05	2.50E-04
1028	437816	3762808	9.41E-04	3.21E-03	1.46E-04	5.24E-04	7.88E-05	2.43E-04
1029	437816	3762799	9.11E-04	3.11E-03	1.41E-04	5.07E-04	7.62E-05	2.35E-04
1030	437816	3762789	8.77E-04	2.99E-03	1.36E-04	4.88E-04	7.34E-05	2.27E-04
1031	437816.1	3762779	8.41E-04	2.87E-03	1.31E-04	4.69E-04	7.04E-05	2.17E-04
1032	437816.1	3762769	8.08E-04	2.76E-03	1.26E-04	4.50E-04	6.76E-05	2.09E-04
1033	437816.1	3762759	7.74E-04	2.64E-03	1.20E-04	4.31E-04	6.48E-05	2.00E-04
1034	437816.1	3762750	7.39E-04	2.52E-03	1.15E-04	4.11E-04	6.18E-05	1.91E-04
1035	437816.1	3762740	7.02E-04	2.39E-03	1.09E-04	3.91E-04	5.88E-05	1.81E-04
1036	437816.1	3762730	6.65E-04	2.27E-03	1.03E-04	3.70E-04	5.57E-05	1.72E-04

1037	437816.1	3762720	6.28E-04	2.14E-03	9.76E-05	3.50E-04	5.26E-05	1.62E-04
1038	437800.1	3762976	7.86E-04	2.68E-03	1.22E-04	4.38E-04	6.58E-05	2.03E-04
1039	437797.3	3762985	7.50E-04	2.56E-03	1.17E-04	4.18E-04	6.28E-05	1.94E-04
1040	437794.5	3762994	7.12E-04	2.43E-03	1.11E-04	3.97E-04	5.96E-05	1.84E-04
1041	437791.8	3763003	6.73E-04	2.29E-03	1.05E-04	3.75E-04	5.63E-05	1.74E-04
1042	437836	3762848	9.01E-04	3.07E-03	1.40E-04	5.02E-04	7.54E-05	2.33E-04
1043	437836	3762838	8.90E-04	3.03E-03	1.38E-04	4.96E-04	7.45E-05	2.30E-04
1044	437836	3762828	8.75E-04	2.98E-03	1.36E-04	4.87E-04	7.32E-05	2.26E-04
1045	437836	3762818	8.56E-04	2.92E-03	1.33E-04	4.77E-04	7.16E-05	2.21E-04
1046	437836	3762808	8.34E-04	2.84E-03	1.30E-04	4.65E-04	6.98E-05	2.15E-04
1047	437836	3762799	8.09E-04	2.76E-03	1.26E-04	4.51E-04	6.77E-05	2.09E-04
1048	437836	3762789	7.80E-04	2.66E-03	1.21E-04	4.35E-04	6.53E-05	2.02E-04
1049	437836.1	3762779	7.50E-04	2.56E-03	1.16E-04	4.18E-04	6.27E-05	1.94E-04
1050	437836.1	3762769	7.22E-04	2.46E-03	1.12E-04	4.02E-04	6.04E-05	1.86E-04
1051	437836.1	3762759	6.93E-04	2.36E-03	1.08E-04	3.86E-04	5.80E-05	1.79E-04
1052	437836.1	3762750	6.61E-04	2.25E-03	1.03E-04	3.68E-04	5.53E-05	1.71E-04
1053	437836.1	3762740	6.29E-04	2.15E-03	9.77E-05	3.50E-04	5.27E-05	1.63E-04
1054	437836.1	3762730	5.97E-04	2.04E-03	9.28E-05	3.33E-04	5.00E-05	1.54E-04
1055	437836.1	3762720	5.66E-04	1.93E-03	8.79E-05	3.15E-04	4.74E-05	1.46E-04
1056	437844.8	3762894	8.54E-04	2.91E-03	1.33E-04	4.75E-04	7.14E-05	2.21E-04
1057	437842	3762904	8.53E-04	2.91E-03	1.33E-04	4.75E-04	7.14E-05	2.20E-04
1058	437839.2	3762913	8.51E-04	2.90E-03	1.32E-04	4.74E-04	7.12E-05	2.20E-04
1059	437836.4	3762922	8.45E-04	2.88E-03	1.31E-04	4.71E-04	7.07E-05	2.18E-04
1060	437833.6	3762931	8.36E-04	2.85E-03	1.30E-04	4.65E-04	6.99E-05	2.16E-04
1061	437830.8	3762940	8.23E-04	2.81E-03	1.28E-04	4.58E-04	6.89E-05	2.13E-04
1062	437828	3762950	8.06E-04	2.75E-03	1.25E-04	4.49E-04	6.75E-05	2.08E-04
1063	437825.2	3762959	7.87E-04	2.68E-03	1.22E-04	4.38E-04	6.59E-05	2.03E-04
1064	437822.4	3762968	7.63E-04	2.60E-03	1.19E-04	4.25E-04	6.39E-05	1.97E-04
1065	437819.6	3762977	7.36E-04	2.51E-03	1.14E-04	4.10E-04	6.16E-05	1.90E-04
1066	437816.8	3762986	7.05E-04	2.40E-03	1.10E-04	3.93E-04	5.90E-05	1.82E-04
1067	437856	3762848	8.03E-04	2.74E-03	1.25E-04	4.47E-04	6.72E-05	2.08E-04
1068	437856	3762838	7.92E-04	2.70E-03	1.23E-04	4.41E-04	6.63E-05	2.05E-04
1069	437856	3762828	7.78E-04	2.65E-03	1.21E-04	4.34E-04	6.51E-05	2.01E-04
1070	437856	3762818	7.61E-04	2.60E-03	1.18E-04	4.24E-04	6.37E-05	1.97E-04
1071	437856	3762808	7.42E-04	2.53E-03	1.15E-04	4.13E-04	6.21E-05	1.92E-04
1072	437856	3762799	7.21E-04	2.46E-03	1.12E-04	4.02E-04	6.03E-05	1.86E-04
1073	437856	3762789	6.98E-04	2.38E-03	1.08E-04	3.89E-04	5.84E-05	1.80E-04
1074	437856.1	3762779	6.73E-04	2.30E-03	1.05E-04	3.75E-04	5.63E-05	1.74E-04
1075	437856.1	3762769	6.47E-04	2.21E-03	1.01E-04	3.61E-04	5.42E-05	1.67E-04
1076	437856.1	3762759	6.21E-04	2.12E-03	9.65E-05	3.46E-04	5.20E-05	1.60E-04
1077	437856.1	3762750	5.94E-04	2.03E-03	9.23E-05	3.31E-04	4.97E-05	1.53E-04
1078	437856.1	3762740	5.67E-04	1.93E-03	8.81E-05	3.16E-04	4.74E-05	1.46E-04
1079	437856.1	3762730	5.39E-04	1.84E-03	8.38E-05	3.01E-04	4.52E-05	1.39E-04
1080	437856.1	3762720	5.12E-04	1.75E-03	7.96E-05	2.85E-04	4.29E-05	1.32E-04
1081	437874.9	3762894	7.32E-04	2.50E-03	1.14E-04	4.08E-04	6.13E-05	1.89E-04
1082	437872.1	3762903	7.34E-04	2.50E-03	1.14E-04	4.09E-04	6.15E-05	1.90E-04
1083	437869.4	3762912	7.35E-04	2.51E-03	1.14E-04	4.09E-04	6.15E-05	1.90E-04
1084	437866.6	3762921	7.33E-04	2.50E-03	1.14E-04	4.08E-04	6.13E-05	1.89E-04
1085	437863.8	3762930	7.28E-04	2.48E-03	1.13E-04	4.06E-04	6.09E-05	1.88E-04
1086	437861.1	3762940	7.21E-04	2.46E-03	1.12E-04	4.02E-04	6.03E-05	1.86E-04
1087	437858.3	3762949	7.11E-04	2.42E-03	1.10E-04	3.96E-04	5.95E-05	1.84E-04
1088	437855.5	3762958	6.97E-04	2.38E-03	1.08E-04	3.88E-04	5.84E-05	1.80E-04

1089	437852.8	3762967	6.82E-04	2.33E-03	1.06E-04	3.80E-04	5.71E-05	1.76E-04
1090	437850	3762976	6.65E-04	2.27E-03	1.03E-04	3.71E-04	5.57E-05	1.72E-04
1091	437847.2	3762985	6.46E-04	2.20E-03	1.00E-04	3.60E-04	5.41E-05	1.67E-04
1092	437844.5	3762994	6.24E-04	2.13E-03	9.70E-05	3.48E-04	5.22E-05	1.61E-04
1093	437841.7	3763003	6.00E-04	2.05E-03	9.32E-05	3.34E-04	5.02E-05	1.55E-04
1094	437838.9	3763013	5.74E-04	1.96E-03	8.92E-05	3.20E-04	4.81E-05	1.48E-04
1095	437836.2	3763022	5.47E-04	1.87E-03	8.51E-05	3.05E-04	4.58E-05	1.41E-04
1096	437833.4	3763031	5.20E-04	1.77E-03	8.09E-05	2.90E-04	4.36E-05	1.34E-04
1097	437886	3762848	6.82E-04	2.33E-03	1.06E-04	3.80E-04	5.71E-05	1.76E-04
1098	437886	3762838	6.72E-04	2.29E-03	1.04E-04	3.74E-04	5.63E-05	1.74E-04
1099	437886	3762828	6.60E-04	2.25E-03	1.03E-04	3.68E-04	5.52E-05	1.71E-04
1100	437886	3762818	6.46E-04	2.20E-03	1.00E-04	3.60E-04	5.40E-05	1.67E-04
1101	437886	3762808	6.30E-04	2.15E-03	9.78E-05	3.51E-04	5.27E-05	1.63E-04
1102	437886	3762799	6.13E-04	2.09E-03	9.52E-05	3.41E-04	5.13E-05	1.58E-04
1103	437886	3762789	5.94E-04	2.03E-03	9.24E-05	3.31E-04	4.98E-05	1.54E-04
1104	437886.1	3762779	5.75E-04	1.96E-03	8.93E-05	3.20E-04	4.81E-05	1.49E-04
1105	437886.1	3762769	5.54E-04	1.89E-03	8.61E-05	3.09E-04	4.64E-05	1.43E-04
1106	437886.1	3762759	5.33E-04	1.82E-03	8.28E-05	2.97E-04	4.46E-05	1.38E-04
1107	437886.1	3762750	5.11E-04	1.74E-03	7.94E-05	2.85E-04	4.28E-05	1.32E-04
1108	437886.1	3762740	4.89E-04	1.67E-03	7.60E-05	2.72E-04	4.09E-05	1.26E-04
1109	437886.1	3762730	4.67E-04	1.59E-03	7.26E-05	2.60E-04	3.91E-05	1.21E-04
1110	437886.1	3762720	4.45E-04	1.52E-03	6.92E-05	2.48E-04	3.73E-05	1.15E-04
1111	437905	3762894	6.32E-04	2.16E-03	9.82E-05	3.52E-04	5.29E-05	1.63E-04
1112	437902.2	3762903	6.37E-04	2.17E-03	9.89E-05	3.55E-04	5.33E-05	1.65E-04
1113	437899.5	3762912	6.40E-04	2.18E-03	9.94E-05	3.56E-04	5.35E-05	1.65E-04
1114	437896.7	3762921	6.40E-04	2.18E-03	9.95E-05	3.57E-04	5.36E-05	1.65E-04
1115	437872.1	3763002	5.56E-04	1.90E-03	8.64E-05	3.10E-04	4.65E-05	1.44E-04
1116	437869.3	3763011	5.38E-04	1.83E-03	8.35E-05	2.99E-04	4.50E-05	1.39E-04
1117	437866.6	3763020	5.18E-04	1.77E-03	8.05E-05	2.88E-04	4.33E-05	1.34E-04
1118	437916	3762848	5.85E-04	1.99E-03	9.09E-05	3.26E-04	4.90E-05	1.51E-04
1119	437916	3762838	5.76E-04	1.96E-03	8.95E-05	3.21E-04	4.82E-05	1.49E-04
1120	437916	3762828	5.66E-04	1.93E-03	8.79E-05	3.15E-04	4.73E-05	1.46E-04
1121	437916	3762818	5.54E-04	1.89E-03	8.60E-05	3.08E-04	4.63E-05	1.43E-04
1122	437916	3762809	5.40E-04	1.84E-03	8.40E-05	3.01E-04	4.52E-05	1.40E-04
1123	437916	3762799	5.27E-04	1.80E-03	8.18E-05	2.93E-04	4.41E-05	1.36E-04
1124	437916	3762789	5.12E-04	1.74E-03	7.95E-05	2.85E-04	4.28E-05	1.32E-04
1125	437916.1	3762779	4.96E-04	1.69E-03	7.70E-05	2.76E-04	4.15E-05	1.28E-04
1126	437916.1	3762769	4.79E-04	1.63E-03	7.44E-05	2.67E-04	4.01E-05	1.24E-04
1127	437916.1	3762759	4.61E-04	1.57E-03	7.17E-05	2.57E-04	3.86E-05	1.19E-04
1128	437916.1	3762750	4.44E-04	1.51E-03	6.89E-05	2.47E-04	3.71E-05	1.15E-04
1129	437916.1	3762740	4.26E-04	1.45E-03	6.62E-05	2.37E-04	3.57E-05	1.10E-04
1130	437916.1	3762730	4.08E-04	1.39E-03	6.34E-05	2.27E-04	3.42E-05	1.05E-04
1131	437916.1	3762720	3.90E-04	1.33E-03	6.06E-05	2.17E-04	3.27E-05	1.01E-04
1132	437934.6	3762895	5.49E-04	1.87E-03	8.54E-05	3.06E-04	4.60E-05	1.42E-04
1133	437931.7	3762904	5.55E-04	1.89E-03	8.62E-05	3.09E-04	4.64E-05	1.43E-04
1134	437928.9	3762914	5.59E-04	1.91E-03	8.68E-05	3.11E-04	4.68E-05	1.44E-04
1135	437926.1	3762923	5.61E-04	1.91E-03	8.72E-05	3.13E-04	4.70E-05	1.45E-04
1136	437914.7	3762961	5.53E-04	1.89E-03	8.59E-05	3.08E-04	4.63E-05	1.43E-04
1137	437911.8	3762970	5.46E-04	1.86E-03	8.49E-05	3.04E-04	4.57E-05	1.41E-04
1138	437909	3762979	5.38E-04	1.83E-03	8.35E-05	3.00E-04	4.50E-05	1.39E-04
1139	437906.2	3762989	5.27E-04	1.80E-03	8.19E-05	2.94E-04	4.41E-05	1.36E-04
1140	437903.3	3762998	5.16E-04	1.76E-03	8.02E-05	2.88E-04	4.32E-05	1.33E-04

1141	437900.5	3763008	5.04E-04	1.72E-03	7.82E-05	2.81E-04	4.21E-05	1.30E-04
1142	437889.1	3763045	4.38E-04	1.49E-03	6.81E-05	2.44E-04	3.67E-05	1.13E-04
1143	437886.3	3763054	4.19E-04	1.43E-03	6.51E-05	2.33E-04	3.51E-05	1.08E-04
1144	437883.4	3763064	3.99E-04	1.36E-03	6.20E-05	2.22E-04	3.34E-05	1.03E-04
1145	437946	3762848	5.07E-04	1.73E-03	7.88E-05	2.82E-04	4.24E-05	1.31E-04
1146	437946	3762838	4.99E-04	1.70E-03	7.75E-05	2.78E-04	4.18E-05	1.29E-04
1147	437946	3762828	4.90E-04	1.67E-03	7.61E-05	2.73E-04	4.10E-05	1.27E-04
1148	437946	3762818	4.80E-04	1.64E-03	7.45E-05	2.67E-04	4.01E-05	1.24E-04
1149	437946	3762809	4.69E-04	1.60E-03	7.28E-05	2.61E-04	3.92E-05	1.21E-04
1150	437946	3762799	4.57E-04	1.56E-03	7.10E-05	2.54E-04	3.82E-05	1.18E-04
1151	437946	3762789	4.44E-04	1.51E-03	6.90E-05	2.47E-04	3.72E-05	1.15E-04
1152	437946.1	3762779	4.31E-04	1.47E-03	6.69E-05	2.40E-04	3.61E-05	1.11E-04
1153	437946.1	3762769	4.17E-04	1.42E-03	6.48E-05	2.32E-04	3.49E-05	1.08E-04
1154	437946.1	3762760	4.03E-04	1.37E-03	6.26E-05	2.24E-04	3.37E-05	1.04E-04
1155	437946.1	3762750	3.88E-04	1.32E-03	6.03E-05	2.16E-04	3.25E-05	1.00E-04
1156	437946.1	3762740	3.74E-04	1.27E-03	5.81E-05	2.08E-04	3.13E-05	9.66E-05
1157	437946.1	3762730	3.59E-04	1.22E-03	5.58E-05	2.00E-04	3.01E-05	9.28E-05
1158	437946.1	3762720	3.45E-04	1.18E-03	5.36E-05	1.92E-04	2.88E-05	8.91E-05
1159	437945	3762960	4.95E-04	1.69E-03	7.69E-05	2.76E-04	4.14E-05	1.28E-04
1160	437942.2	3762969	4.92E-04	1.68E-03	7.65E-05	2.74E-04	4.12E-05	1.27E-04
1161	437939.3	3762978	4.87E-04	1.66E-03	7.57E-05	2.72E-04	4.08E-05	1.26E-04
1162	437936.5	3762988	4.81E-04	1.64E-03	7.48E-05	2.68E-04	4.03E-05	1.24E-04
1163	437933.7	3762997	4.74E-04	1.62E-03	7.36E-05	2.64E-04	3.96E-05	1.22E-04
1164	437930.9	3763006	4.65E-04	1.58E-03	7.22E-05	2.59E-04	3.89E-05	1.20E-04
1165	437919.6	3763043	4.16E-04	1.42E-03	6.46E-05	2.32E-04	3.48E-05	1.07E-04
1166	437916.8	3763053	4.01E-04	1.37E-03	6.23E-05	2.23E-04	3.35E-05	1.04E-04
1167	437914	3763062	3.85E-04	1.31E-03	5.98E-05	2.14E-04	3.22E-05	9.95E-05
1168	437911.2	3763071	3.69E-04	1.26E-03	5.73E-05	2.05E-04	3.09E-05	9.53E-05
1169	437908.4	3763081	3.52E-04	1.20E-03	5.47E-05	1.96E-04	2.95E-05	9.10E-05
1170	437992	3762904	4.30E-04	1.47E-03	6.68E-05	2.39E-04	3.60E-05	1.11E-04
1171	437989.2	3762913	4.35E-04	1.48E-03	6.76E-05	2.42E-04	3.64E-05	1.12E-04
1172	437986.4	3762922	4.39E-04	1.50E-03	6.83E-05	2.45E-04	3.68E-05	1.14E-04
1173	437983.6	3762931	4.42E-04	1.51E-03	6.87E-05	2.46E-04	3.70E-05	1.14E-04
1174	437980.8	3762941	4.44E-04	1.52E-03	6.91E-05	2.48E-04	3.72E-05	1.15E-04
1175	437978	3762950	4.46E-04	1.52E-03	6.92E-05	2.48E-04	3.73E-05	1.15E-04
1176	437975.2	3762959	4.46E-04	1.52E-03	6.92E-05	2.48E-04	3.73E-05	1.15E-04
1177	437950.1	3763042	3.90E-04	1.33E-03	6.06E-05	2.17E-04	3.26E-05	1.01E-04
1178	437947.3	3763051	3.78E-04	1.29E-03	5.88E-05	2.11E-04	3.17E-05	9.77E-05
1179	437944.5	3763060	3.66E-04	1.25E-03	5.69E-05	2.04E-04	3.06E-05	9.46E-05
1180	437941.7	3763070	3.53E-04	1.20E-03	5.49E-05	1.97E-04	2.96E-05	9.12E-05
1181	437938.9	3763079	3.40E-04	1.16E-03	5.28E-05	1.89E-04	2.84E-05	8.78E-05
1182	437936.1	3763088	3.26E-04	1.11E-03	5.07E-05	1.82E-04	2.73E-05	8.42E-05
1183	437933.3	3763097	3.12E-04	1.06E-03	4.85E-05	1.74E-04	2.61E-05	8.06E-05
1184	438006	3762838	3.82E-04	1.30E-03	5.93E-05	2.13E-04	3.19E-05	9.86E-05
1185	438006	3762828	3.76E-04	1.28E-03	5.84E-05	2.09E-04	3.15E-05	9.72E-05
1186	438006	3762818	3.69E-04	1.26E-03	5.74E-05	2.06E-04	3.09E-05	9.54E-05
1187	438006	3762809	3.61E-04	1.23E-03	5.61E-05	2.01E-04	3.02E-05	9.33E-05
1188	438006	3762799	3.53E-04	1.20E-03	5.48E-05	1.96E-04	2.95E-05	9.11E-05
1189	438006	3762789	3.44E-04	1.17E-03	5.34E-05	1.91E-04	2.88E-05	8.88E-05
1190	438006.1	3762779	3.34E-04	1.14E-03	5.20E-05	1.86E-04	2.80E-05	8.64E-05
1191	438006.1	3762769	3.25E-04	1.11E-03	5.04E-05	1.81E-04	2.72E-05	8.39E-05
1192	438006.1	3762760	3.15E-04	1.07E-03	4.89E-05	1.75E-04	2.63E-05	8.13E-05

1193	438006.1	3762750	3.05E-04	1.04E-03	4.73E-05	1.70E-04	2.55E-05	7.87E-05
1194	438006.1	3762740	2.94E-04	1.00E-03	4.58E-05	1.64E-04	2.46E-05	7.61E-05
1195	438006.1	3762730	2.84E-04	9.70E-04	4.42E-05	1.58E-04	2.38E-05	7.35E-05
1196	438006.1	3762720	2.74E-04	9.35E-04	4.26E-05	1.53E-04	2.30E-05	7.08E-05
1197	438022.1	3762903	3.83E-04	1.31E-03	5.95E-05	2.13E-04	3.21E-05	9.90E-05
1198	438019.3	3762913	3.88E-04	1.32E-03	6.04E-05	2.16E-04	3.25E-05	1.00E-04
1199	438016.5	3762922	3.93E-04	1.34E-03	6.11E-05	2.19E-04	3.29E-05	1.02E-04
1200	438013.8	3762931	3.97E-04	1.35E-03	6.17E-05	2.21E-04	3.32E-05	1.03E-04
1201	438011	3762940	3.99E-04	1.36E-03	6.21E-05	2.23E-04	3.34E-05	1.03E-04
1202	438008.2	3762949	4.01E-04	1.37E-03	6.23E-05	2.23E-04	3.36E-05	1.04E-04
1203	438005.4	3762958	4.02E-04	1.37E-03	6.24E-05	2.24E-04	3.36E-05	1.04E-04
1204	438002.7	3762968	4.02E-04	1.37E-03	6.24E-05	2.24E-04	3.36E-05	1.04E-04
1205	437999.9	3762977	4.01E-04	1.37E-03	6.23E-05	2.23E-04	3.36E-05	1.04E-04
1206	437997.1	3762986	3.99E-04	1.36E-03	6.20E-05	2.22E-04	3.34E-05	1.03E-04
1207	437994.3	3762995	3.96E-04	1.35E-03	6.15E-05	2.21E-04	3.32E-05	1.02E-04
1208	437991.6	3763004	3.92E-04	1.34E-03	6.09E-05	2.18E-04	3.28E-05	1.01E-04
1209	437988.8	3763013	3.87E-04	1.32E-03	6.01E-05	2.15E-04	3.24E-05	9.99E-05
1210	437986	3763022	3.80E-04	1.30E-03	5.91E-05	2.12E-04	3.18E-05	9.83E-05
1211	437983.2	3763032	3.72E-04	1.27E-03	5.78E-05	2.07E-04	3.11E-05	9.62E-05
1212	437980.5	3763041	3.63E-04	1.24E-03	5.65E-05	2.02E-04	3.04E-05	9.39E-05
1213	437977.7	3763050	3.54E-04	1.21E-03	5.50E-05	1.97E-04	2.96E-05	9.15E-05
1214	437974.9	3763059	3.45E-04	1.18E-03	5.36E-05	1.92E-04	2.89E-05	8.91E-05
1215	438036	3762838	3.40E-04	1.16E-03	5.28E-05	1.89E-04	2.84E-05	8.78E-05
1216	438036	3762828	3.34E-04	1.14E-03	5.19E-05	1.86E-04	2.80E-05	8.64E-05
1217	438036	3762819	3.28E-04	1.12E-03	5.09E-05	1.82E-04	2.74E-05	8.46E-05
1218	438036	3762809	3.21E-04	1.09E-03	4.98E-05	1.79E-04	2.68E-05	8.29E-05
1219	438036	3762799	3.13E-04	1.07E-03	4.87E-05	1.75E-04	2.62E-05	8.10E-05
1220	438036	3762789	3.06E-04	1.04E-03	4.75E-05	1.70E-04	2.56E-05	7.90E-05
1221	438036.1	3762779	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.49E-05	7.69E-05
1222	438036.1	3762769	2.90E-04	9.87E-04	4.50E-05	1.61E-04	2.42E-05	7.48E-05
1223	438036.1	3762760	2.81E-04	9.59E-04	4.37E-05	1.57E-04	2.35E-05	7.26E-05
1224	438036.1	3762750	2.73E-04	9.29E-04	4.23E-05	1.52E-04	2.28E-05	7.04E-05
1225	438036.1	3762740	2.64E-04	9.00E-04	4.10E-05	1.47E-04	2.21E-05	6.82E-05
1226	438036.1	3762730	2.55E-04	8.71E-04	3.97E-05	1.42E-04	2.14E-05	6.60E-05
1227	438036.1	3762720	2.47E-04	8.41E-04	3.83E-05	1.37E-04	2.06E-05	6.37E-05
1228	438052.2	3762903	3.43E-04	1.17E-03	5.33E-05	1.91E-04	2.87E-05	8.87E-05
1229	438049.4	3762912	3.48E-04	1.19E-03	5.41E-05	1.94E-04	2.91E-05	9.00E-05
1230	438046.6	3762921	3.52E-04	1.20E-03	5.48E-05	1.96E-04	2.95E-05	9.11E-05
1231	438035.6	3762958	3.63E-04	1.24E-03	5.63E-05	2.02E-04	3.04E-05	9.37E-05
1232	438032.9	3762967	3.63E-04	1.24E-03	5.65E-05	2.02E-04	3.04E-05	9.39E-05
1233	438030.1	3762976	3.63E-04	1.24E-03	5.65E-05	2.02E-04	3.04E-05	9.39E-05
1234	438027.3	3762985	3.63E-04	1.24E-03	5.63E-05	2.02E-04	3.04E-05	9.37E-05
1235	438024.6	3762994	3.61E-04	1.23E-03	5.61E-05	2.01E-04	3.02E-05	9.32E-05
1236	438021.8	3763003	3.58E-04	1.22E-03	5.57E-05	2.00E-04	3.00E-05	9.26E-05
1237	438019.1	3763012	3.55E-04	1.21E-03	5.51E-05	1.98E-04	2.97E-05	9.17E-05
1238	438016.3	3763021	3.50E-04	1.20E-03	5.45E-05	1.95E-04	2.93E-05	9.06E-05
1239	438013.6	3763031	3.44E-04	1.17E-03	5.35E-05	1.92E-04	2.88E-05	8.89E-05
1240	438010.8	3763040	3.37E-04	1.15E-03	5.24E-05	1.88E-04	2.82E-05	8.71E-05
1241	438008	3763049	3.31E-04	1.13E-03	5.14E-05	1.84E-04	2.77E-05	8.55E-05
1242	438005.3	3763058	3.24E-04	1.10E-03	5.03E-05	1.80E-04	2.71E-05	8.36E-05
1243	438002.5	3763067	3.16E-04	1.08E-03	4.91E-05	1.76E-04	2.65E-05	8.17E-05
1244	437999.8	3763076	3.08E-04	1.05E-03	4.78E-05	1.71E-04	2.58E-05	7.95E-05

1245	437997	3763085	2.99E-04	1.02E-03	4.65E-05	1.67E-04	2.51E-05	7.74E-05
1246	437994.3	3763094	2.91E-04	9.91E-04	4.52E-05	1.62E-04	2.43E-05	7.51E-05
1247	437991.5	3763103	2.81E-04	9.60E-04	4.37E-05	1.57E-04	2.36E-05	7.27E-05
1248	437988.8	3763112	2.72E-04	9.28E-04	4.23E-05	1.52E-04	2.28E-05	7.03E-05
1249	437986	3763121	2.62E-04	8.94E-04	4.07E-05	1.46E-04	2.19E-05	6.78E-05
1250	437983.2	3763131	2.52E-04	8.60E-04	3.92E-05	1.40E-04	2.11E-05	6.52E-05
1251	438066	3762838	3.03E-04	1.03E-03	4.71E-05	1.69E-04	2.54E-05	7.84E-05
1252	438066	3762828	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.50E-05	7.71E-05
1253	438066	3762819	2.93E-04	9.97E-04	4.54E-05	1.63E-04	2.45E-05	7.56E-05
1254	438066	3762809	2.87E-04	9.77E-04	4.45E-05	1.60E-04	2.40E-05	7.40E-05
1255	438066	3762799	2.80E-04	9.56E-04	4.35E-05	1.56E-04	2.35E-05	7.24E-05
1256	438066	3762789	2.74E-04	9.33E-04	4.25E-05	1.52E-04	2.29E-05	7.07E-05
1257	438066.1	3762779	2.67E-04	9.10E-04	4.15E-05	1.49E-04	2.23E-05	6.89E-05
1258	438066.1	3762770	2.60E-04	8.86E-04	4.04E-05	1.45E-04	2.17E-05	6.71E-05
1259	438066.1	3762760	2.53E-04	8.61E-04	3.93E-05	1.41E-04	2.11E-05	6.53E-05
1260	438066.1	3762750	2.45E-04	8.37E-04	3.81E-05	1.37E-04	2.05E-05	6.34E-05
1261	438066.1	3762740	2.38E-04	8.11E-04	3.70E-05	1.33E-04	1.99E-05	6.15E-05
1262	438066.1	3762730	2.31E-04	7.86E-04	3.58E-05	1.28E-04	1.93E-05	5.96E-05
1263	438066.1	3762720	2.23E-04	7.61E-04	3.47E-05	1.24E-04	1.87E-05	5.77E-05
1264	438081.8	3762904	3.09E-04	1.06E-03	4.81E-05	1.72E-04	2.59E-05	7.99E-05
1265	438079	3762914	3.14E-04	1.07E-03	4.88E-05	1.75E-04	2.63E-05	8.11E-05
1266	438076.1	3762923	3.18E-04	1.08E-03	4.94E-05	1.77E-04	2.66E-05	8.21E-05
1267	438067.7	3762951	3.26E-04	1.11E-03	5.06E-05	1.81E-04	2.72E-05	8.41E-05
1268	438064.8	3762960	3.27E-04	1.11E-03	5.08E-05	1.82E-04	2.74E-05	8.45E-05
1269	438062	3762970	3.28E-04	1.12E-03	5.09E-05	1.83E-04	2.74E-05	8.47E-05
1270	438059.2	3762979	3.28E-04	1.12E-03	5.09E-05	1.83E-04	2.74E-05	8.47E-05
1271	438056.4	3762988	3.27E-04	1.12E-03	5.09E-05	1.82E-04	2.74E-05	8.46E-05
1272	438053.5	3762998	3.26E-04	1.11E-03	5.07E-05	1.82E-04	2.73E-05	8.44E-05
1273	438050.7	3763007	3.25E-04	1.11E-03	5.05E-05	1.81E-04	2.72E-05	8.39E-05
1274	438039.4	3763044	3.10E-04	1.06E-03	4.82E-05	1.73E-04	2.60E-05	8.02E-05
1275	438036.6	3763054	3.05E-04	1.04E-03	4.74E-05	1.70E-04	2.55E-05	7.87E-05
1276	438033.7	3763063	2.99E-04	1.02E-03	4.65E-05	1.67E-04	2.50E-05	7.73E-05
1277	438030.9	3763072	2.93E-04	9.98E-04	4.55E-05	1.63E-04	2.45E-05	7.56E-05
1278	438028.1	3763082	2.86E-04	9.74E-04	4.44E-05	1.59E-04	2.39E-05	7.38E-05
1279	438025.2	3763091	2.79E-04	9.51E-04	4.33E-05	1.55E-04	2.33E-05	7.21E-05
1280	438022.4	3763100	2.71E-04	9.26E-04	4.22E-05	1.51E-04	2.27E-05	7.01E-05
1281	438019.6	3763110	2.64E-04	8.99E-04	4.09E-05	1.47E-04	2.21E-05	6.81E-05
1282	438016.8	3763119	2.55E-04	8.71E-04	3.97E-05	1.42E-04	2.14E-05	6.60E-05
1283	438013.9	3763128	2.47E-04	8.42E-04	3.84E-05	1.38E-04	2.07E-05	6.38E-05
1284	438011.1	3763138	2.38E-04	8.12E-04	3.70E-05	1.33E-04	1.99E-05	6.15E-05
1285	438008.3	3763147	2.29E-04	7.82E-04	3.56E-05	1.28E-04	1.92E-05	5.93E-05
1286	438096	3762838	2.72E-04	9.29E-04	4.23E-05	1.52E-04	2.28E-05	7.04E-05
1287	438096	3762828	2.68E-04	9.13E-04	4.16E-05	1.49E-04	2.24E-05	6.92E-05
1288	438096	3762819	2.63E-04	8.96E-04	4.08E-05	1.46E-04	2.20E-05	6.79E-05
1289	438096	3762809	2.58E-04	8.78E-04	4.00E-05	1.43E-04	2.16E-05	6.66E-05
1290	438096	3762799	2.52E-04	8.60E-04	3.92E-05	1.40E-04	2.11E-05	6.51E-05
1291	438096	3762789	2.46E-04	8.40E-04	3.83E-05	1.37E-04	2.06E-05	6.37E-05
1292	438096.1	3762779	2.40E-04	8.20E-04	3.74E-05	1.34E-04	2.01E-05	6.21E-05
1293	438096.1	3762770	2.34E-04	7.99E-04	3.64E-05	1.31E-04	1.96E-05	6.06E-05
1294	438096.1	3762760	2.28E-04	7.78E-04	3.54E-05	1.27E-04	1.91E-05	5.89E-05
1295	438096.1	3762750	2.22E-04	7.56E-04	3.45E-05	1.24E-04	1.86E-05	5.73E-05
1296	438096.1	3762740	2.16E-04	7.35E-04	3.35E-05	1.20E-04	1.80E-05	5.57E-05

1297	438096.1	3762730	2.09E-04	7.13E-04	3.25E-05	1.17E-04	1.75E-05	5.40E-05
1298	438096.1	3762721	2.03E-04	6.92E-04	3.15E-05	1.13E-04	1.70E-05	5.24E-05
1299	438111.9	3762904	2.79E-04	9.51E-04	4.33E-05	1.55E-04	2.33E-05	7.20E-05
1300	438109.1	3762913	2.83E-04	9.65E-04	4.40E-05	1.58E-04	2.37E-05	7.31E-05
1301	438106.3	3762923	2.87E-04	9.77E-04	4.45E-05	1.60E-04	2.40E-05	7.41E-05
1302	438097.9	3762951	2.95E-04	1.01E-03	4.58E-05	1.64E-04	2.47E-05	7.62E-05
1303	438095	3762960	2.96E-04	1.01E-03	4.61E-05	1.65E-04	2.48E-05	7.66E-05
1304	438092.2	3762969	2.98E-04	1.01E-03	4.62E-05	1.66E-04	2.49E-05	7.69E-05
1305	438089.4	3762978	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.50E-05	7.70E-05
1306	438086.6	3762988	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.50E-05	7.71E-05
1307	438083.8	3762997	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.49E-05	7.70E-05
1308	438081	3763006	2.97E-04	1.01E-03	4.61E-05	1.65E-04	2.48E-05	7.67E-05
1309	438078.2	3763015	2.95E-04	1.01E-03	4.59E-05	1.65E-04	2.47E-05	7.63E-05
1310	438069.8	3763043	2.87E-04	9.79E-04	4.46E-05	1.60E-04	2.40E-05	7.42E-05
1311	438066.9	3763052	2.84E-04	9.70E-04	4.42E-05	1.58E-04	2.38E-05	7.35E-05
1312	438064.1	3763062	2.80E-04	9.56E-04	4.36E-05	1.56E-04	2.35E-05	7.25E-05
1313	438061.3	3763071	2.75E-04	9.37E-04	4.27E-05	1.53E-04	2.30E-05	7.10E-05
1314	438058.5	3763080	2.70E-04	9.21E-04	4.20E-05	1.50E-04	2.26E-05	6.98E-05
1315	438055.7	3763090	2.65E-04	9.02E-04	4.11E-05	1.47E-04	2.21E-05	6.84E-05
1316	438052.9	3763099	2.59E-04	8.82E-04	4.02E-05	1.44E-04	2.17E-05	6.68E-05
1317	438126	3762838	2.46E-04	8.38E-04	3.82E-05	1.37E-04	2.06E-05	6.35E-05
1318	438126	3762828	2.42E-04	8.24E-04	3.75E-05	1.35E-04	2.02E-05	6.24E-05
1319	438126	3762819	2.37E-04	8.08E-04	3.68E-05	1.32E-04	1.98E-05	6.12E-05
1320	438126	3762809	2.32E-04	7.92E-04	3.61E-05	1.29E-04	1.95E-05	6.00E-05
1321	438126	3762799	2.28E-04	7.76E-04	3.54E-05	1.27E-04	1.90E-05	5.88E-05
1322	438126	3762789	2.23E-04	7.59E-04	3.46E-05	1.24E-04	1.86E-05	5.75E-05
1323	438126.1	3762779	2.17E-04	7.42E-04	3.38E-05	1.21E-04	1.82E-05	5.62E-05
1324	438126.1	3762770	2.12E-04	7.23E-04	3.30E-05	1.18E-04	1.78E-05	5.48E-05
1325	438126.1	3762760	2.07E-04	7.05E-04	3.21E-05	1.15E-04	1.73E-05	5.34E-05
1326	438126.1	3762750	2.01E-04	6.86E-04	3.13E-05	1.12E-04	1.68E-05	5.20E-05
1327	438126.1	3762740	1.96E-04	6.68E-04	3.04E-05	1.09E-04	1.64E-05	5.06E-05
1328	438126.1	3762730	1.90E-04	6.49E-04	2.96E-05	1.06E-04	1.59E-05	4.92E-05
1329	438126.1	3762721	1.85E-04	6.30E-04	2.87E-05	1.03E-04	1.55E-05	4.78E-05
1330	438142	3762904	2.52E-04	8.60E-04	3.92E-05	1.40E-04	2.11E-05	6.51E-05
1331	438139.2	3762913	2.56E-04	8.74E-04	3.98E-05	1.43E-04	2.14E-05	6.62E-05
1332	438136.4	3762922	2.60E-04	8.86E-04	4.04E-05	1.45E-04	2.17E-05	6.71E-05
1333	438116.8	3762987	2.73E-04	9.32E-04	4.25E-05	1.52E-04	2.29E-05	7.06E-05
1334	438114.1	3762996	2.73E-04	9.32E-04	4.25E-05	1.52E-04	2.29E-05	7.06E-05
1335	438111.3	3763005	2.73E-04	9.32E-04	4.25E-05	1.52E-04	2.29E-05	7.06E-05
1336	438108.5	3763015	2.72E-04	9.29E-04	4.23E-05	1.52E-04	2.28E-05	7.04E-05
1337	438100.1	3763042	2.68E-04	9.13E-04	4.16E-05	1.49E-04	2.24E-05	6.91E-05
1338	438097.3	3763051	2.65E-04	9.04E-04	4.12E-05	1.48E-04	2.22E-05	6.85E-05
1339	438094.5	3763061	2.62E-04	8.94E-04	4.07E-05	1.46E-04	2.19E-05	6.77E-05
1340	438091.7	3763070	2.59E-04	8.82E-04	4.02E-05	1.44E-04	2.16E-05	6.68E-05
1341	438088.9	3763079	2.55E-04	8.68E-04	3.96E-05	1.42E-04	2.13E-05	6.58E-05
1342	438086.1	3763088	2.50E-04	8.54E-04	3.89E-05	1.40E-04	2.10E-05	6.47E-05
1343	438083.3	3763097	2.46E-04	8.38E-04	3.82E-05	1.37E-04	2.06E-05	6.35E-05
1344	438072.2	3763134	2.23E-04	7.61E-04	3.47E-05	1.24E-04	1.87E-05	5.77E-05
1345	438069.4	3763143	2.17E-04	7.40E-04	3.37E-05	1.21E-04	1.82E-05	5.60E-05
1346	438066.6	3763153	2.10E-04	7.17E-04	3.27E-05	1.17E-04	1.76E-05	5.44E-05
1347	438063.8	3763162	2.04E-04	6.95E-04	3.17E-05	1.14E-04	1.71E-05	5.27E-05
1348	438061	3763171	1.97E-04	6.72E-04	3.06E-05	1.10E-04	1.65E-05	5.09E-05

1349	438058.2	3763180	1.91E-04	6.51E-04	2.97E-05	1.06E-04	1.60E-05	4.93E-05
1350	438156	3762838	2.22E-04	7.57E-04	3.45E-05	1.24E-04	1.86E-05	5.74E-05
1351	438156	3762829	2.18E-04	7.45E-04	3.39E-05	1.22E-04	1.83E-05	5.64E-05
1352	438156	3762819	2.14E-04	7.31E-04	3.33E-05	1.19E-04	1.79E-05	5.54E-05
1353	438156	3762809	2.10E-04	7.17E-04	3.27E-05	1.17E-04	1.76E-05	5.43E-05
1354	438156	3762799	2.06E-04	7.03E-04	3.20E-05	1.15E-04	1.72E-05	5.32E-05
1355	438156	3762789	2.02E-04	6.88E-04	3.13E-05	1.12E-04	1.69E-05	5.21E-05
1356	438156.1	3762779	1.97E-04	6.73E-04	3.07E-05	1.10E-04	1.65E-05	5.10E-05
1357	438156.1	3762770	1.93E-04	6.57E-04	2.99E-05	1.07E-04	1.61E-05	4.98E-05
1358	438156.1	3762760	1.88E-04	6.41E-04	2.92E-05	1.05E-04	1.57E-05	4.86E-05
1359	438156.1	3762750	1.83E-04	6.25E-04	2.85E-05	1.02E-04	1.53E-05	4.73E-05
1360	438156.1	3762740	1.79E-04	6.09E-04	2.78E-05	9.96E-05	1.50E-05	4.62E-05
1361	438156.1	3762730	1.74E-04	5.93E-04	2.70E-05	9.69E-05	1.46E-05	4.49E-05
1362	438156.1	3762721	1.69E-04	5.77E-04	2.63E-05	9.42E-05	1.42E-05	4.37E-05
1363	438181.8	3762905	2.23E-04	7.59E-04	3.46E-05	1.24E-04	1.86E-05	5.75E-05
1364	438179	3762914	2.26E-04	7.71E-04	3.51E-05	1.26E-04	1.89E-05	5.84E-05
1365	438176.2	3762923	2.29E-04	7.83E-04	3.57E-05	1.28E-04	1.92E-05	5.93E-05
1366	438173.4	3762932	2.33E-04	7.93E-04	3.61E-05	1.30E-04	1.95E-05	6.01E-05
1367	438170.5	3762942	2.35E-04	8.02E-04	3.66E-05	1.31E-04	1.97E-05	6.08E-05
1368	438167.7	3762951	2.38E-04	8.10E-04	3.69E-05	1.32E-04	1.99E-05	6.14E-05
1369	438164.9	3762960	2.40E-04	8.18E-04	3.73E-05	1.34E-04	2.01E-05	6.20E-05
1370	438162.1	3762970	2.42E-04	8.24E-04	3.75E-05	1.35E-04	2.02E-05	6.24E-05
1371	438159.3	3762979	2.43E-04	8.29E-04	3.78E-05	1.35E-04	2.03E-05	6.28E-05
1372	438156.4	3762988	2.44E-04	8.33E-04	3.79E-05	1.36E-04	2.04E-05	6.31E-05
1373	438153.6	3762998	2.45E-04	8.35E-04	3.81E-05	1.36E-04	2.05E-05	6.33E-05
1374	438150.8	3763007	2.45E-04	8.37E-04	3.81E-05	1.37E-04	2.05E-05	6.34E-05
1375	438148	3763016	2.45E-04	8.37E-04	3.81E-05	1.37E-04	2.05E-05	6.34E-05
1376	438145.1	3763026	2.45E-04	8.36E-04	3.81E-05	1.36E-04	2.05E-05	6.33E-05
1377	438142.3	3763035	2.44E-04	8.33E-04	3.80E-05	1.36E-04	2.04E-05	6.31E-05
1378	438139.5	3763044	2.43E-04	8.29E-04	3.78E-05	1.35E-04	2.04E-05	6.28E-05
1379	438111.3	3763137	2.09E-04	7.13E-04	3.25E-05	1.16E-04	1.75E-05	5.40E-05
1380	438108.5	3763147	2.04E-04	6.95E-04	3.16E-05	1.13E-04	1.70E-05	5.26E-05
1381	438105.6	3763156	1.99E-04	6.79E-04	3.10E-05	1.11E-04	1.67E-05	5.15E-05
1382	438102.8	3763165	1.94E-04	6.60E-04	3.01E-05	1.08E-04	1.62E-05	5.00E-05
1383	438100	3763174	1.88E-04	6.40E-04	2.92E-05	1.05E-04	1.57E-05	4.85E-05
1384	438097.2	3763184	1.82E-04	6.20E-04	2.82E-05	1.01E-04	1.52E-05	4.70E-05
1385	438094.3	3763193	1.76E-04	5.99E-04	2.73E-05	9.78E-05	1.47E-05	4.54E-05
1386	438091.5	3763202	1.69E-04	5.78E-04	2.63E-05	9.44E-05	1.42E-05	4.38E-05
1387	438196	3762838	1.95E-04	6.66E-04	3.03E-05	1.09E-04	1.63E-05	5.05E-05
1388	438196	3762829	1.92E-04	6.55E-04	2.98E-05	1.07E-04	1.61E-05	4.96E-05
1389	438196	3762819	1.89E-04	6.43E-04	2.93E-05	1.05E-04	1.58E-05	4.87E-05
1390	438196	3762809	1.85E-04	6.31E-04	2.88E-05	1.03E-04	1.55E-05	4.78E-05
1391	438196	3762799	1.82E-04	6.19E-04	2.82E-05	1.01E-04	1.52E-05	4.69E-05
1392	438196	3762789	1.78E-04	6.07E-04	2.77E-05	9.92E-05	1.49E-05	4.60E-05
1393	438196.1	3762780	1.74E-04	5.95E-04	2.71E-05	9.72E-05	1.46E-05	4.51E-05
1394	438196.1	3762770	1.71E-04	5.81E-04	2.65E-05	9.50E-05	1.43E-05	4.41E-05
1395	438196.1	3762760	1.67E-04	5.68E-04	2.59E-05	9.28E-05	1.39E-05	4.30E-05
1396	438196.1	3762750	1.63E-04	5.54E-04	2.53E-05	9.06E-05	1.36E-05	4.20E-05
1397	438196.1	3762740	1.59E-04	5.41E-04	2.47E-05	8.84E-05	1.33E-05	4.10E-05
1398	438196.1	3762730	1.55E-04	5.28E-04	2.41E-05	8.63E-05	1.30E-05	4.00E-05
1399	438196.1	3762721	1.51E-04	5.15E-04	2.35E-05	8.41E-05	1.26E-05	3.90E-05
1400	438222	3762904	1.96E-04	6.70E-04	3.05E-05	1.09E-04	1.64E-05	5.07E-05

1401	438219.3	3762913	2.00E-04	6.82E-04	3.11E-05	1.11E-04	1.67E-05	5.17E-05
1402	438216.5	3762922	2.03E-04	6.93E-04	3.16E-05	1.13E-04	1.70E-05	5.25E-05
1403	438213.7	3762931	2.06E-04	7.02E-04	3.20E-05	1.15E-04	1.72E-05	5.32E-05
1404	438210.9	3762941	2.08E-04	7.11E-04	3.24E-05	1.16E-04	1.74E-05	5.39E-05
1405	438208.2	3762950	2.11E-04	7.19E-04	3.27E-05	1.17E-04	1.76E-05	5.45E-05
1406	438205.4	3762959	2.13E-04	7.26E-04	3.31E-05	1.19E-04	1.78E-05	5.50E-05
1407	438202.6	3762968	2.15E-04	7.32E-04	3.34E-05	1.20E-04	1.80E-05	5.55E-05
1408	438199.8	3762977	2.16E-04	7.38E-04	3.36E-05	1.21E-04	1.81E-05	5.59E-05
1409	438197	3762986	2.18E-04	7.42E-04	3.38E-05	1.21E-04	1.82E-05	5.63E-05
1410	438194.3	3762996	2.19E-04	7.46E-04	3.40E-05	1.22E-04	1.83E-05	5.65E-05
1411	438191.5	3763005	2.20E-04	7.49E-04	3.41E-05	1.22E-04	1.84E-05	5.68E-05
1412	438188.7	3763014	2.20E-04	7.51E-04	3.42E-05	1.23E-04	1.84E-05	5.69E-05
1413	438185.9	3763023	2.20E-04	7.52E-04	3.42E-05	1.23E-04	1.84E-05	5.70E-05
1414	438183.1	3763032	2.20E-04	7.51E-04	3.42E-05	1.23E-04	1.84E-05	5.69E-05
1415	438180.4	3763041	2.20E-04	7.50E-04	3.42E-05	1.23E-04	1.84E-05	5.68E-05
1416	438177.6	3763051	2.19E-04	7.47E-04	3.41E-05	1.22E-04	1.83E-05	5.66E-05
1417	438174.8	3763060	2.18E-04	7.44E-04	3.39E-05	1.22E-04	1.83E-05	5.64E-05
1418	438172	3763069	2.17E-04	7.40E-04	3.37E-05	1.21E-04	1.82E-05	5.60E-05
1419	438169.2	3763078	2.15E-04	7.34E-04	3.34E-05	1.20E-04	1.80E-05	5.56E-05
1420	438166.5	3763087	2.13E-04	7.27E-04	3.31E-05	1.19E-04	1.78E-05	5.51E-05
1421	438163.7	3763096	2.11E-04	7.18E-04	3.27E-05	1.17E-04	1.76E-05	5.44E-05
1422	438160.9	3763106	2.08E-04	7.09E-04	3.23E-05	1.16E-04	1.74E-05	5.37E-05
1423	438158.1	3763115	2.05E-04	6.99E-04	3.18E-05	1.14E-04	1.71E-05	5.29E-05
1424	438155.3	3763124	2.01E-04	6.86E-04	3.13E-05	1.12E-04	1.68E-05	5.20E-05
1425	438152.6	3763133	1.97E-04	6.73E-04	3.07E-05	1.10E-04	1.65E-05	5.10E-05
1426	438149.8	3763142	1.93E-04	6.59E-04	3.00E-05	1.08E-04	1.62E-05	4.99E-05
1427	438147	3763151	1.90E-04	6.48E-04	2.95E-05	1.06E-04	1.59E-05	4.91E-05
1428	438144.2	3763161	1.86E-04	6.34E-04	2.89E-05	1.04E-04	1.56E-05	4.80E-05
1429	438141.4	3763170	1.81E-04	6.18E-04	2.82E-05	1.01E-04	1.52E-05	4.69E-05
1430	438138.7	3763179	1.77E-04	6.03E-04	2.75E-05	9.85E-05	1.48E-05	4.57E-05
1431	438135.9	3763188	1.72E-04	5.87E-04	2.68E-05	9.59E-05	1.44E-05	4.45E-05
1432	438133.1	3763197	1.67E-04	5.70E-04	2.60E-05	9.32E-05	1.40E-05	4.32E-05
1433	438130.3	3763206	1.62E-04	5.54E-04	2.52E-05	9.05E-05	1.36E-05	4.20E-05
1434	438127.6	3763216	1.57E-04	5.37E-04	2.45E-05	8.77E-05	1.32E-05	4.07E-05
1435	438236	3762838	1.74E-04	5.92E-04	2.70E-05	9.67E-05	1.45E-05	4.49E-05
1436	438236	3762829	1.71E-04	5.83E-04	2.65E-05	9.52E-05	1.43E-05	4.41E-05
1437	438236	3762819	1.68E-04	5.73E-04	2.61E-05	9.35E-05	1.41E-05	4.34E-05
1438	438236	3762809	1.65E-04	5.62E-04	2.56E-05	9.19E-05	1.38E-05	4.26E-05
1439	438236	3762799	1.62E-04	5.52E-04	2.51E-05	9.01E-05	1.35E-05	4.18E-05
1440	438236	3762789	1.59E-04	5.41E-04	2.46E-05	8.84E-05	1.33E-05	4.10E-05
1441	438236.1	3762780	1.55E-04	5.30E-04	2.41E-05	8.66E-05	1.30E-05	4.01E-05
1442	438236.1	3762770	1.52E-04	5.19E-04	2.36E-05	8.47E-05	1.27E-05	3.93E-05
1443	438236.1	3762760	1.49E-04	5.07E-04	2.31E-05	8.28E-05	1.24E-05	3.84E-05
1444	438236.1	3762750	1.45E-04	4.96E-04	2.26E-05	8.10E-05	1.22E-05	3.76E-05
1445	438261.9	3762904	1.74E-04	5.95E-04	2.71E-05	9.72E-05	1.46E-05	4.51E-05
1446	438259.1	3762914	1.77E-04	6.05E-04	2.76E-05	9.88E-05	1.48E-05	4.58E-05
1447	438256.3	3762923	1.80E-04	6.14E-04	2.80E-05	1.00E-04	1.51E-05	4.65E-05
1448	438253.5	3762932	1.83E-04	6.23E-04	2.84E-05	1.02E-04	1.53E-05	4.72E-05
1449	438250.7	3762941	1.85E-04	6.31E-04	2.88E-05	1.03E-04	1.55E-05	4.78E-05
1450	438247.9	3762951	1.87E-04	6.39E-04	2.91E-05	1.04E-04	1.57E-05	4.84E-05
1451	438245.1	3762960	1.89E-04	6.46E-04	2.94E-05	1.05E-04	1.59E-05	4.89E-05
1452	438242.3	3762969	1.91E-04	6.52E-04	2.97E-05	1.07E-04	1.60E-05	4.94E-05

1453	438239.5	3762978	1.93E-04	6.58E-04	3.00E-05	1.08E-04	1.62E-05	4.99E-05
1454	438236.7	3762988	1.95E-04	6.63E-04	3.02E-05	1.08E-04	1.63E-05	5.03E-05
1455	438233.9	3762997	1.96E-04	6.68E-04	3.04E-05	1.09E-04	1.64E-05	5.06E-05
1456	438231	3763006	1.97E-04	6.71E-04	3.06E-05	1.10E-04	1.65E-05	5.09E-05
1457	438228.2	3763015	1.98E-04	6.74E-04	3.07E-05	1.10E-04	1.65E-05	5.11E-05
1458	438225.4	3763025	1.98E-04	6.76E-04	3.08E-05	1.10E-04	1.66E-05	5.12E-05
1459	438222.6	3763034	1.99E-04	6.78E-04	3.09E-05	1.11E-04	1.66E-05	5.14E-05
1460	438219.8	3763043	1.99E-04	6.78E-04	3.09E-05	1.11E-04	1.66E-05	5.14E-05
1461	438217	3763052	1.99E-04	6.77E-04	3.09E-05	1.11E-04	1.66E-05	5.13E-05
1462	438214.2	3763062	1.98E-04	6.76E-04	3.08E-05	1.10E-04	1.66E-05	5.12E-05
1463	438211.4	3763071	1.97E-04	6.73E-04	3.07E-05	1.10E-04	1.65E-05	5.10E-05
1464	438208.6	3763080	1.96E-04	6.69E-04	3.05E-05	1.09E-04	1.64E-05	5.07E-05
1465	438205.8	3763089	1.95E-04	6.64E-04	3.03E-05	1.09E-04	1.63E-05	5.03E-05
1466	438203	3763099	1.93E-04	6.59E-04	3.00E-05	1.08E-04	1.62E-05	4.99E-05
1467	438200.2	3763108	1.91E-04	6.52E-04	2.97E-05	1.06E-04	1.60E-05	4.94E-05
1468	438197.4	3763117	1.89E-04	6.44E-04	2.93E-05	1.05E-04	1.58E-05	4.88E-05
1469	438194.6	3763126	1.86E-04	6.35E-04	2.89E-05	1.04E-04	1.56E-05	4.81E-05
1470	438191.8	3763136	1.83E-04	6.25E-04	2.85E-05	1.02E-04	1.53E-05	4.74E-05
1471	438189	3763145	1.80E-04	6.15E-04	2.80E-05	1.00E-04	1.51E-05	4.66E-05
1472	438186.2	3763154	1.77E-04	6.04E-04	2.75E-05	9.86E-05	1.48E-05	4.57E-05
1473	438183.3	3763163	1.74E-04	5.94E-04	2.71E-05	9.71E-05	1.46E-05	4.50E-05
1474	438180.5	3763173	1.71E-04	5.82E-04	2.65E-05	9.51E-05	1.43E-05	4.41E-05
1475	438177.7	3763182	1.67E-04	5.69E-04	2.59E-05	9.30E-05	1.40E-05	4.31E-05
1476	438174.9	3763191	1.63E-04	5.56E-04	2.53E-05	9.09E-05	1.37E-05	4.22E-05
1477	438172.1	3763201	1.59E-04	5.43E-04	2.47E-05	8.87E-05	1.33E-05	4.11E-05
1478	438169.3	3763210	1.55E-04	5.29E-04	2.41E-05	8.65E-05	1.30E-05	4.01E-05
1479	438166.5	3763219	1.51E-04	5.16E-04	2.35E-05	8.42E-05	1.27E-05	3.91E-05
1480	438163.7	3763228	1.47E-04	5.01E-04	2.29E-05	8.19E-05	1.23E-05	3.80E-05
1481	438160.9	3763238	1.43E-04	4.87E-04	2.22E-05	7.96E-05	1.20E-05	3.69E-05
1482	438158.1	3763247	1.39E-04	4.72E-04	2.15E-05	7.72E-05	1.16E-05	3.58E-05
1483	438276	3762838	1.55E-04	5.30E-04	2.41E-05	8.66E-05	1.30E-05	4.02E-05
1484	438276	3762829	1.53E-04	5.23E-04	2.38E-05	8.54E-05	1.28E-05	3.96E-05
1485	438276	3762819	1.51E-04	5.15E-04	2.35E-05	8.42E-05	1.26E-05	3.90E-05
1486	438276	3762809	1.49E-04	5.07E-04	2.31E-05	8.29E-05	1.25E-05	3.84E-05
1487	438276	3762799	1.46E-04	4.98E-04	2.27E-05	8.14E-05	1.22E-05	3.78E-05
1488	438276	3762789	1.43E-04	4.89E-04	2.23E-05	7.99E-05	1.20E-05	3.70E-05
1489	438276.1	3762780	1.41E-04	4.79E-04	2.18E-05	7.83E-05	1.18E-05	3.63E-05
1490	438276.1	3762770	1.38E-04	4.70E-04	2.14E-05	7.67E-05	1.15E-05	3.56E-05
1491	438276.1	3762760	1.35E-04	4.60E-04	2.10E-05	7.51E-05	1.13E-05	3.49E-05
1492	438276.1	3762750	1.32E-04	4.50E-04	2.05E-05	7.35E-05	1.10E-05	3.41E-05
1493	438301.8	3762905	1.57E-04	5.37E-04	2.44E-05	8.77E-05	1.32E-05	4.07E-05
1494	438299	3762914	1.60E-04	5.45E-04	2.48E-05	8.90E-05	1.34E-05	4.13E-05
1495	438296.1	3762924	1.62E-04	5.53E-04	2.52E-05	9.03E-05	1.36E-05	4.19E-05
1496	438293.3	3762933	1.64E-04	5.60E-04	2.55E-05	9.15E-05	1.38E-05	4.25E-05
1497	438290.5	3762942	1.66E-04	5.67E-04	2.58E-05	9.26E-05	1.39E-05	4.29E-05
1498	438287.6	3762952	1.68E-04	5.73E-04	2.61E-05	9.36E-05	1.41E-05	4.34E-05
1499	438284.8	3762961	1.70E-04	5.78E-04	2.64E-05	9.45E-05	1.42E-05	4.38E-05
1500	438282	3762970	1.71E-04	5.84E-04	2.66E-05	9.55E-05	1.43E-05	4.43E-05
1501	438279.2	3762980	1.73E-04	5.90E-04	2.69E-05	9.64E-05	1.45E-05	4.47E-05
1502	438276.3	3762989	1.75E-04	5.95E-04	2.71E-05	9.73E-05	1.46E-05	4.51E-05
1503	438273.5	3762998	1.76E-04	6.00E-04	2.74E-05	9.81E-05	1.47E-05	4.55E-05
1504	438270.7	3763008	1.77E-04	6.05E-04	2.76E-05	9.88E-05	1.48E-05	4.58E-05

1505	438267.8	3763017	1.78E-04	6.08E-04	2.77E-05	9.94E-05	1.49E-05	4.61E-05
1506	438265	3763026	1.79E-04	6.11E-04	2.78E-05	9.98E-05	1.50E-05	4.63E-05
1507	438262.2	3763036	1.80E-04	6.13E-04	2.79E-05	1.00E-04	1.50E-05	4.64E-05
1508	438259.3	3763045	1.80E-04	6.14E-04	2.80E-05	1.00E-04	1.51E-05	4.65E-05
1509	438256.5	3763054	1.80E-04	6.15E-04	2.80E-05	1.00E-04	1.51E-05	4.66E-05
1510	438253.7	3763064	1.80E-04	6.14E-04	2.80E-05	1.00E-04	1.51E-05	4.65E-05
1511	438250.9	3763073	1.80E-04	6.13E-04	2.79E-05	1.00E-04	1.50E-05	4.65E-05
1512	438248	3763082	1.79E-04	6.11E-04	2.78E-05	9.98E-05	1.50E-05	4.63E-05
1513	438245.2	3763092	1.78E-04	6.08E-04	2.77E-05	9.93E-05	1.49E-05	4.61E-05
1514	438242.4	3763101	1.77E-04	6.04E-04	2.75E-05	9.87E-05	1.48E-05	4.58E-05
1515	438239.5	3763110	1.76E-04	5.99E-04	2.73E-05	9.79E-05	1.47E-05	4.54E-05
1516	438236.7	3763120	1.74E-04	5.94E-04	2.71E-05	9.70E-05	1.46E-05	4.50E-05
1517	438233.9	3763129	1.72E-04	5.87E-04	2.68E-05	9.60E-05	1.44E-05	4.45E-05
1518	438231	3763138	1.70E-04	5.80E-04	2.64E-05	9.48E-05	1.42E-05	4.40E-05
1519	438228.2	3763148	1.68E-04	5.72E-04	2.61E-05	9.35E-05	1.40E-05	4.34E-05
1520	438225.4	3763157	1.65E-04	5.64E-04	2.57E-05	9.21E-05	1.38E-05	4.27E-05
1521	438222.5	3763166	1.63E-04	5.55E-04	2.53E-05	9.06E-05	1.36E-05	4.20E-05
1522	438219.7	3763176	1.60E-04	5.45E-04	2.48E-05	8.90E-05	1.34E-05	4.13E-05
1523	438216.9	3763185	1.58E-04	5.37E-04	2.45E-05	8.77E-05	1.32E-05	4.07E-05
1524	438214.1	3763194	1.54E-04	5.26E-04	2.40E-05	8.60E-05	1.29E-05	3.99E-05
1525	438211.2	3763204	1.51E-04	5.15E-04	2.35E-05	8.42E-05	1.26E-05	3.90E-05
1526	438208.4	3763213	1.48E-04	5.04E-04	2.30E-05	8.23E-05	1.24E-05	3.82E-05
1527	438205.6	3763222	1.44E-04	4.92E-04	2.24E-05	8.04E-05	1.21E-05	3.73E-05
1528	438202.7	3763232	1.41E-04	4.80E-04	2.19E-05	7.84E-05	1.18E-05	3.64E-05
1529	438199.9	3763241	1.37E-04	4.68E-04	2.13E-05	7.65E-05	1.15E-05	3.55E-05
1530	438197.1	3763250	1.33E-04	4.53E-04	2.07E-05	7.41E-05	1.11E-05	3.44E-05
1531	438194.2	3763260	1.29E-04	4.41E-04	2.01E-05	7.20E-05	1.08E-05	3.34E-05
1532	438191.4	3763269	1.25E-04	4.28E-04	1.95E-05	6.99E-05	1.05E-05	3.24E-05
1533	438316	3762839	1.40E-04	4.77E-04	2.17E-05	7.79E-05	1.17E-05	3.61E-05
1534	438316	3762829	1.38E-04	4.71E-04	2.15E-05	7.69E-05	1.16E-05	3.57E-05
1535	438316	3762819	1.36E-04	4.65E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
1536	438316	3762809	1.34E-04	4.57E-04	2.08E-05	7.47E-05	1.12E-05	3.47E-05
1537	438316	3762799	1.32E-04	4.50E-04	2.05E-05	7.35E-05	1.10E-05	3.41E-05
1538	438316	3762789	1.29E-04	4.42E-04	2.01E-05	7.21E-05	1.08E-05	3.35E-05
1539	438316.1	3762780	1.27E-04	4.33E-04	1.98E-05	7.08E-05	1.06E-05	3.28E-05
1540	438316.1	3762770	1.25E-04	4.25E-04	1.94E-05	6.94E-05	1.04E-05	3.22E-05
1541	438316.1	3762760	1.22E-04	4.17E-04	1.90E-05	6.81E-05	1.02E-05	3.16E-05
1542	438316.1	3762750	1.20E-04	4.08E-04	1.86E-05	6.67E-05	1.00E-05	3.09E-05
1543	438342	3762904	1.41E-04	4.82E-04	2.20E-05	7.87E-05	1.18E-05	3.65E-05
1544	438339.2	3762913	1.44E-04	4.90E-04	2.23E-05	8.01E-05	1.20E-05	3.71E-05
1545	438336.4	3762923	1.46E-04	4.98E-04	2.27E-05	8.13E-05	1.22E-05	3.77E-05
1546	438333.6	3762932	1.48E-04	5.05E-04	2.30E-05	8.26E-05	1.24E-05	3.83E-05
1547	438330.8	3762941	1.50E-04	5.12E-04	2.33E-05	8.36E-05	1.26E-05	3.88E-05
1548	438328	3762950	1.52E-04	5.18E-04	2.36E-05	8.46E-05	1.27E-05	3.93E-05
1549	438325.2	3762960	1.54E-04	5.24E-04	2.39E-05	8.56E-05	1.29E-05	3.97E-05
1550	438322.4	3762969	1.55E-04	5.29E-04	2.41E-05	8.64E-05	1.30E-05	4.01E-05
1551	438319.6	3762978	1.56E-04	5.33E-04	2.43E-05	8.71E-05	1.31E-05	4.04E-05
1552	438316.8	3762987	1.58E-04	5.38E-04	2.45E-05	8.78E-05	1.32E-05	4.07E-05
1553	438314.1	3762996	1.59E-04	5.42E-04	2.47E-05	8.85E-05	1.33E-05	4.11E-05
1554	438311.3	3763006	1.60E-04	5.46E-04	2.49E-05	8.91E-05	1.34E-05	4.14E-05
1555	438308.5	3763015	1.61E-04	5.49E-04	2.50E-05	8.97E-05	1.35E-05	4.16E-05
1556	438305.7	3763024	1.62E-04	5.52E-04	2.51E-05	9.01E-05	1.35E-05	4.18E-05

1557	438302.9	3763033	1.62E-04	5.54E-04	2.52E-05	9.05E-05	1.36E-05	4.20E-05
1558	438300.1	3763042	1.63E-04	5.56E-04	2.53E-05	9.08E-05	1.36E-05	4.21E-05
1559	438297.3	3763052	1.63E-04	5.57E-04	2.54E-05	9.10E-05	1.37E-05	4.22E-05
1560	438294.5	3763061	1.64E-04	5.59E-04	2.55E-05	9.12E-05	1.37E-05	4.23E-05
1561	438291.7	3763070	1.64E-04	5.59E-04	2.55E-05	9.13E-05	1.37E-05	4.24E-05
1562	438288.9	3763079	1.64E-04	5.59E-04	2.55E-05	9.13E-05	1.37E-05	4.23E-05
1563	438286.1	3763089	1.63E-04	5.57E-04	2.54E-05	9.11E-05	1.37E-05	4.22E-05
1564	438283.3	3763098	1.63E-04	5.55E-04	2.53E-05	9.07E-05	1.36E-05	4.21E-05
1565	438280.5	3763107	1.62E-04	5.53E-04	2.52E-05	9.03E-05	1.36E-05	4.19E-05
1566	438277.7	3763116	1.61E-04	5.50E-04	2.51E-05	8.98E-05	1.35E-05	4.17E-05
1567	438274.9	3763125	1.60E-04	5.46E-04	2.49E-05	8.92E-05	1.34E-05	4.14E-05
1568	438272.2	3763135	1.59E-04	5.41E-04	2.47E-05	8.84E-05	1.33E-05	4.10E-05
1569	438269.4	3763144	1.57E-04	5.36E-04	2.44E-05	8.76E-05	1.32E-05	4.06E-05
1570	438266.6	3763153	1.55E-04	5.30E-04	2.42E-05	8.66E-05	1.30E-05	4.02E-05
1571	438263.8	3763162	1.54E-04	5.24E-04	2.39E-05	8.55E-05	1.29E-05	3.97E-05
1572	438261	3763171	1.51E-04	5.17E-04	2.35E-05	8.44E-05	1.27E-05	3.91E-05
1573	438258.2	3763181	1.49E-04	5.09E-04	2.32E-05	8.32E-05	1.25E-05	3.86E-05
1574	438255.4	3763190	1.47E-04	5.01E-04	2.28E-05	8.18E-05	1.23E-05	3.80E-05
1575	438252.6	3763199	1.44E-04	4.92E-04	2.24E-05	8.04E-05	1.21E-05	3.73E-05
1576	438249.8	3763208	1.42E-04	4.84E-04	2.20E-05	7.90E-05	1.19E-05	3.66E-05
1577	438247	3763217	1.39E-04	4.74E-04	2.16E-05	7.75E-05	1.16E-05	3.59E-05
1578	438244.2	3763227	1.36E-04	4.65E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
1579	438241.4	3763236	1.33E-04	4.55E-04	2.07E-05	7.44E-05	1.12E-05	3.45E-05
1580	438238.6	3763245	1.31E-04	4.45E-04	2.03E-05	7.27E-05	1.09E-05	3.37E-05
1581	438235.8	3763254	1.28E-04	4.35E-04	1.98E-05	7.11E-05	1.07E-05	3.30E-05
1582	438233.1	3763264	1.24E-04	4.24E-04	1.93E-05	6.93E-05	1.04E-05	3.21E-05
1583	438230.3	3763273	1.21E-04	4.13E-04	1.88E-05	6.74E-05	1.01E-05	3.13E-05
1584	438227.5	3763282	1.18E-04	4.01E-04	1.83E-05	6.55E-05	9.84E-06	3.04E-05
1585	438224.7	3763291	1.15E-04	3.91E-04	1.78E-05	6.39E-05	9.61E-06	2.97E-05
1586	438353.7	3762998	1.44E-04	4.93E-04	2.24E-05	8.05E-05	1.21E-05	3.73E-05
1587	438350.9	3763007	1.46E-04	4.96E-04	2.26E-05	8.11E-05	1.22E-05	3.76E-05
1588	438348.1	3763016	1.47E-04	5.00E-04	2.28E-05	8.16E-05	1.23E-05	3.79E-05
1589	438345.3	3763025	1.47E-04	5.02E-04	2.29E-05	8.21E-05	1.23E-05	3.81E-05
1590	438342.5	3763035	1.48E-04	5.04E-04	2.30E-05	8.24E-05	1.24E-05	3.82E-05
1591	438339.6	3763044	1.48E-04	5.06E-04	2.31E-05	8.26E-05	1.24E-05	3.83E-05
1592	438336.8	3763053	1.49E-04	5.07E-04	2.31E-05	8.29E-05	1.25E-05	3.84E-05
1593	438334	3763063	1.49E-04	5.09E-04	2.32E-05	8.31E-05	1.25E-05	3.86E-05
1594	438331.2	3763072	1.50E-04	5.10E-04	2.32E-05	8.33E-05	1.25E-05	3.87E-05
1595	438328.4	3763081	1.50E-04	5.11E-04	2.33E-05	8.34E-05	1.25E-05	3.87E-05
1596	438325.6	3763090	1.50E-04	5.10E-04	2.32E-05	8.33E-05	1.25E-05	3.87E-05
1597	438322.7	3763100	1.49E-04	5.09E-04	2.32E-05	8.31E-05	1.25E-05	3.86E-05
1598	438319.9	3763109	1.49E-04	5.07E-04	2.31E-05	8.29E-05	1.24E-05	3.84E-05
1599	438317.1	3763118	1.48E-04	5.05E-04	2.30E-05	8.26E-05	1.24E-05	3.83E-05
1600	438314.3	3763128	1.48E-04	5.03E-04	2.29E-05	8.22E-05	1.23E-05	3.81E-05
1601	438311.5	3763137	1.47E-04	5.00E-04	2.28E-05	8.17E-05	1.23E-05	3.79E-05
1602	438308.7	3763146	1.46E-04	4.96E-04	2.26E-05	8.11E-05	1.22E-05	3.76E-05
1603	438305.9	3763155	1.44E-04	4.92E-04	2.24E-05	8.03E-05	1.21E-05	3.73E-05
1604	438303	3763165	1.43E-04	4.86E-04	2.22E-05	7.95E-05	1.19E-05	3.69E-05
1605	438300.2	3763174	1.41E-04	4.81E-04	2.19E-05	7.86E-05	1.18E-05	3.64E-05
1606	438297.4	3763183	1.40E-04	4.77E-04	2.17E-05	7.79E-05	1.17E-05	3.62E-05
1607	438294.6	3763193	1.38E-04	4.71E-04	2.15E-05	7.69E-05	1.16E-05	3.57E-05
1608	438291.8	3763202	1.36E-04	4.64E-04	2.12E-05	7.58E-05	1.14E-05	3.52E-05

1609	438289	3763211	1.34E-04	4.57E-04	2.08E-05	7.47E-05	1.12E-05	3.47E-05
1610	438286.1	3763220	1.32E-04	4.50E-04	2.05E-05	7.35E-05	1.10E-05	3.41E-05
1611	438283.3	3763230	1.30E-04	4.42E-04	2.02E-05	7.23E-05	1.09E-05	3.35E-05
1612	438280.5	3763239	1.27E-04	4.34E-04	1.98E-05	7.10E-05	1.07E-05	3.29E-05
1613	438277.7	3763248	1.24E-04	4.24E-04	1.93E-05	6.93E-05	1.04E-05	3.21E-05
1614	438274.9	3763258	1.22E-04	4.15E-04	1.89E-05	6.78E-05	1.02E-05	3.15E-05
1615	438272.1	3763267	1.19E-04	4.06E-04	1.85E-05	6.63E-05	9.96E-06	3.07E-05
1616	438269.3	3763276	1.17E-04	3.98E-04	1.81E-05	6.51E-05	9.77E-06	3.02E-05
1617	438266.4	3763285	1.14E-04	3.88E-04	1.77E-05	6.34E-05	9.53E-06	2.94E-05
1618	438263.6	3763295	1.11E-04	3.78E-04	1.72E-05	6.18E-05	9.29E-06	2.87E-05
1619	438260.8	3763304	1.08E-04	3.68E-04	1.68E-05	6.01E-05	9.03E-06	2.79E-05
1620	438258	3763313	1.05E-04	3.58E-04	1.63E-05	5.84E-05	8.78E-06	2.71E-05
1621	438395.9	3762858	1.18E-04	4.03E-04	1.84E-05	6.58E-05	9.89E-06	3.05E-05
1622	438396	3762848	1.17E-04	3.98E-04	1.81E-05	6.50E-05	9.76E-06	3.01E-05
1623	438396	3762839	1.15E-04	3.92E-04	1.79E-05	6.41E-05	9.63E-06	2.97E-05
1624	438396	3762829	1.14E-04	3.87E-04	1.76E-05	6.33E-05	9.50E-06	2.93E-05
1625	438396	3762819	1.12E-04	3.82E-04	1.74E-05	6.24E-05	9.37E-06	2.89E-05
1626	438396	3762809	1.10E-04	3.76E-04	1.72E-05	6.15E-05	9.24E-06	2.85E-05
1627	438396	3762799	1.09E-04	3.71E-04	1.69E-05	6.05E-05	9.10E-06	2.81E-05
1628	438396	3762790	1.07E-04	3.65E-04	1.66E-05	5.96E-05	8.95E-06	2.76E-05
1629	438396.1	3762780	1.05E-04	3.59E-04	1.63E-05	5.86E-05	8.80E-06	2.72E-05
1630	438396.1	3762770	1.03E-04	3.53E-04	1.61E-05	5.76E-05	8.66E-06	2.67E-05
1631	438396.1	3762760	1.02E-04	3.46E-04	1.58E-05	5.66E-05	8.50E-06	2.62E-05
1632	438396.1	3762750	9.97E-05	3.40E-04	1.55E-05	5.55E-05	8.35E-06	2.58E-05
1633	438396.1	3762741	9.78E-05	3.34E-04	1.52E-05	5.45E-05	8.19E-06	2.53E-05
1634	438396.1	3762731	9.59E-05	3.27E-04	1.49E-05	5.34E-05	8.03E-06	2.48E-05
1635	438396.1	3762721	9.40E-05	3.21E-04	1.46E-05	5.24E-05	7.87E-06	2.43E-05
1636	438424.6	3762896	1.15E-04	3.93E-04	1.79E-05	6.43E-05	9.66E-06	2.98E-05
1637	438421.8	3762905	1.17E-04	4.00E-04	1.82E-05	6.53E-05	9.81E-06	3.03E-05
1638	438418.9	3762914	1.19E-04	4.06E-04	1.85E-05	6.63E-05	9.96E-06	3.08E-05
1639	438416.1	3762924	1.21E-04	4.12E-04	1.88E-05	6.73E-05	1.01E-05	3.12E-05
1640	438413.3	3762933	1.23E-04	4.18E-04	1.90E-05	6.83E-05	1.03E-05	3.17E-05
1641	438410.4	3762943	1.24E-04	4.23E-04	1.93E-05	6.92E-05	1.04E-05	3.21E-05
1642	438407.6	3762952	1.26E-04	4.28E-04	1.95E-05	7.00E-05	1.05E-05	3.25E-05
1643	438404.7	3762961	1.27E-04	4.33E-04	1.97E-05	7.08E-05	1.06E-05	3.28E-05
1644	438401.9	3762971	1.28E-04	4.38E-04	1.99E-05	7.15E-05	1.07E-05	3.32E-05
1645	438399.1	3762980	1.30E-04	4.42E-04	2.01E-05	7.22E-05	1.08E-05	3.35E-05
1646	438396.2	3762989	1.31E-04	4.46E-04	2.03E-05	7.28E-05	1.09E-05	3.38E-05
1647	438393.4	3762999	1.32E-04	4.49E-04	2.05E-05	7.34E-05	1.10E-05	3.41E-05
1648	438390.6	3763008	1.33E-04	4.53E-04	2.06E-05	7.40E-05	1.11E-05	3.43E-05
1649	438387.7	3763017	1.34E-04	4.56E-04	2.08E-05	7.45E-05	1.12E-05	3.46E-05
1650	438384.9	3763027	1.35E-04	4.59E-04	2.09E-05	7.50E-05	1.13E-05	3.48E-05
1651	438353.7	3763130	1.36E-04	4.65E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
1652	438350.9	3763139	1.36E-04	4.63E-04	2.11E-05	7.56E-05	1.14E-05	3.51E-05
1653	438348	3763148	1.35E-04	4.60E-04	2.10E-05	7.51E-05	1.13E-05	3.48E-05
1654	438345.2	3763158	1.34E-04	4.56E-04	2.08E-05	7.45E-05	1.12E-05	3.46E-05
1655	438342.4	3763167	1.33E-04	4.54E-04	2.07E-05	7.42E-05	1.11E-05	3.44E-05
1656	438339.5	3763176	1.32E-04	4.50E-04	2.05E-05	7.35E-05	1.10E-05	3.41E-05
1657	438336.7	3763186	1.31E-04	4.46E-04	2.03E-05	7.28E-05	1.09E-05	3.38E-05
1658	438333.9	3763195	1.29E-04	4.41E-04	2.01E-05	7.21E-05	1.08E-05	3.34E-05
1659	438331	3763204	1.28E-04	4.36E-04	1.99E-05	7.12E-05	1.07E-05	3.30E-05
1660	438328.2	3763214	1.26E-04	4.31E-04	1.96E-05	7.04E-05	1.06E-05	3.26E-05

1661	438325.3	3763223	1.25E-04	4.25E-04	1.94E-05	6.94E-05	1.04E-05	3.22E-05
1662	438322.5	3763232	1.22E-04	4.17E-04	1.90E-05	6.81E-05	1.02E-05	3.16E-05
1663	438319.7	3763242	1.20E-04	4.11E-04	1.87E-05	6.71E-05	1.01E-05	3.11E-05
1664	438316.8	3763251	1.18E-04	4.04E-04	1.84E-05	6.59E-05	9.91E-06	3.06E-05
1665	438314	3763261	1.16E-04	3.96E-04	1.81E-05	6.48E-05	9.73E-06	3.00E-05
1666	438311.2	3763270	1.14E-04	3.89E-04	1.77E-05	6.35E-05	9.54E-06	2.95E-05
1667	438308.3	3763279	1.12E-04	3.81E-04	1.73E-05	6.22E-05	9.34E-06	2.88E-05
1668	438305.5	3763289	1.09E-04	3.72E-04	1.70E-05	6.08E-05	9.14E-06	2.82E-05
1669	438302.7	3763298	1.07E-04	3.64E-04	1.66E-05	5.94E-05	8.92E-06	2.75E-05
1670	438299.8	3763307	1.05E-04	3.57E-04	1.62E-05	5.83E-05	8.75E-06	2.70E-05
1671	438297	3763317	1.02E-04	3.48E-04	1.58E-05	5.68E-05	8.53E-06	2.63E-05
1672	438294.1	3763326	9.93E-05	3.39E-04	1.54E-05	5.53E-05	8.31E-06	2.57E-05
1673	438291.3	3763335	9.66E-05	3.30E-04	1.50E-05	5.38E-05	8.09E-06	2.50E-05
1674	438435.9	3762858	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.01E-06	2.78E-05
1675	438436	3762849	1.06E-04	3.63E-04	1.65E-05	5.93E-05	8.90E-06	2.75E-05
1676	438436	3762839	1.05E-04	3.58E-04	1.63E-05	5.85E-05	8.79E-06	2.71E-05
1677	438436	3762829	1.04E-04	3.54E-04	1.61E-05	5.78E-05	8.68E-06	2.68E-05
1678	438436	3762819	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.56E-06	2.64E-05
1679	438436	3762809	1.01E-04	3.44E-04	1.57E-05	5.62E-05	8.44E-06	2.61E-05
1680	438436	3762799	9.95E-05	3.39E-04	1.55E-05	5.54E-05	8.32E-06	2.57E-05
1681	438436	3762790	9.80E-05	3.34E-04	1.52E-05	5.46E-05	8.21E-06	2.53E-05
1682	438436.1	3762780	9.65E-05	3.29E-04	1.50E-05	5.37E-05	8.07E-06	2.49E-05
1683	438436.1	3762770	9.49E-05	3.23E-04	1.47E-05	5.28E-05	7.94E-06	2.45E-05
1684	438436.1	3762760	9.32E-05	3.18E-04	1.45E-05	5.19E-05	7.80E-06	2.41E-05
1685	438436.1	3762750	9.16E-05	3.12E-04	1.42E-05	5.10E-05	7.67E-06	2.37E-05
1686	438436.1	3762741	9.00E-05	3.07E-04	1.40E-05	5.01E-05	7.53E-06	2.32E-05
1687	438436.1	3762731	8.83E-05	3.01E-04	1.37E-05	4.92E-05	7.39E-06	2.28E-05
1688	438436.1	3762721	8.66E-05	2.95E-04	1.35E-05	4.82E-05	7.25E-06	2.24E-05
1689	438464.7	3762895	1.05E-04	3.58E-04	1.63E-05	5.84E-05	8.78E-06	2.71E-05
1690	438461.9	3762905	1.07E-04	3.63E-04	1.66E-05	5.94E-05	8.92E-06	2.75E-05
1691	438459.1	3762914	1.08E-04	3.69E-04	1.68E-05	6.03E-05	9.06E-06	2.80E-05
1692	438456.3	3762923	1.10E-04	3.74E-04	1.71E-05	6.12E-05	9.19E-06	2.84E-05
1693	438453.5	3762932	1.11E-04	3.80E-04	1.73E-05	6.20E-05	9.32E-06	2.88E-05
1694	438450.7	3762942	1.13E-04	3.85E-04	1.75E-05	6.28E-05	9.44E-06	2.91E-05
1695	438447.9	3762951	1.14E-04	3.89E-04	1.77E-05	6.36E-05	9.56E-06	2.95E-05
1696	438445.1	3762960	1.16E-04	3.94E-04	1.80E-05	6.44E-05	9.68E-06	2.99E-05
1697	438442.3	3762969	1.17E-04	3.98E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
1698	438439.5	3762979	1.18E-04	4.03E-04	1.83E-05	6.58E-05	9.88E-06	3.05E-05
1699	438436.7	3762988	1.19E-04	4.06E-04	1.85E-05	6.64E-05	9.98E-06	3.08E-05
1700	438433.9	3762997	1.20E-04	4.10E-04	1.87E-05	6.70E-05	1.01E-05	3.11E-05
1701	438431.1	3763006	1.21E-04	4.14E-04	1.89E-05	6.76E-05	1.02E-05	3.14E-05
1702	438428.3	3763016	1.22E-04	4.17E-04	1.90E-05	6.81E-05	1.02E-05	3.16E-05
1703	438425.5	3763025	1.23E-04	4.20E-04	1.91E-05	6.86E-05	1.03E-05	3.18E-05
1704	438422.7	3763034	1.24E-04	4.22E-04	1.92E-05	6.90E-05	1.04E-05	3.20E-05
1705	438419.9	3763043	1.24E-04	4.24E-04	1.93E-05	6.93E-05	1.04E-05	3.21E-05
1706	438417.1	3763053	1.25E-04	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
1707	438414.3	3763062	1.25E-04	4.28E-04	1.95E-05	6.99E-05	1.05E-05	3.24E-05
1708	438411.5	3763071	1.26E-04	4.29E-04	1.96E-05	7.01E-05	1.05E-05	3.25E-05
1709	438408.7	3763080	1.26E-04	4.30E-04	1.96E-05	7.03E-05	1.06E-05	3.26E-05
1710	438405.9	3763090	1.26E-04	4.31E-04	1.96E-05	7.04E-05	1.06E-05	3.27E-05
1711	438403.1	3763099	1.27E-04	4.32E-04	1.97E-05	7.05E-05	1.06E-05	3.27E-05
1712	438400.3	3763108	1.27E-04	4.32E-04	1.97E-05	7.05E-05	1.06E-05	3.27E-05

1713	438397.5	3763117	1.27E-04	4.32E-04	1.97E-05	7.05E-05	1.06E-05	3.27E-05
1714	438394.7	3763126	1.27E-04	4.31E-04	1.97E-05	7.05E-05	1.06E-05	3.27E-05
1715	438391.9	3763136	1.26E-04	4.31E-04	1.96E-05	7.04E-05	1.06E-05	3.26E-05
1716	438389	3763145	1.26E-04	4.30E-04	1.96E-05	7.02E-05	1.05E-05	3.26E-05
1717	438386.2	3763154	1.25E-04	4.28E-04	1.95E-05	6.99E-05	1.05E-05	3.24E-05
1718	438352.6	3763265	1.10E-04	3.77E-04	1.72E-05	6.15E-05	9.24E-06	2.85E-05
1719	438349.8	3763274	1.09E-04	3.70E-04	1.69E-05	6.05E-05	9.09E-06	2.81E-05
1720	438347	3763284	1.07E-04	3.64E-04	1.66E-05	5.94E-05	8.93E-06	2.76E-05
1721	438344.2	3763293	1.05E-04	3.57E-04	1.63E-05	5.83E-05	8.75E-06	2.70E-05
1722	438341.4	3763302	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.65E-05
1723	438338.6	3763311	1.00E-04	3.42E-04	1.56E-05	5.58E-05	8.39E-06	2.59E-05
1724	438335.8	3763321	9.79E-05	3.34E-04	1.52E-05	5.46E-05	8.20E-06	2.53E-05
1725	438333	3763330	9.62E-05	3.28E-04	1.49E-05	5.36E-05	8.05E-06	2.49E-05
1726	438330.2	3763339	9.39E-05	3.20E-04	1.46E-05	5.23E-05	7.86E-06	2.43E-05
1727	438327.4	3763348	9.15E-05	3.12E-04	1.42E-05	5.10E-05	7.66E-06	2.37E-05
1728	438324.6	3763358	8.92E-05	3.04E-04	1.39E-05	4.97E-05	7.47E-06	2.31E-05
1729	438475.9	3762858	9.87E-05	3.36E-04	1.53E-05	5.50E-05	8.26E-06	2.55E-05
1730	438476	3762849	9.77E-05	3.33E-04	1.52E-05	5.44E-05	8.18E-06	2.52E-05
1731	438476	3762839	9.67E-05	3.30E-04	1.50E-05	5.39E-05	8.09E-06	2.50E-05
1732	438476	3762829	9.56E-05	3.26E-04	1.48E-05	5.32E-05	8.00E-06	2.47E-05
1733	438476	3762819	9.43E-05	3.21E-04	1.46E-05	5.25E-05	7.89E-06	2.44E-05
1734	438476	3762809	9.30E-05	3.17E-04	1.44E-05	5.18E-05	7.78E-06	2.40E-05
1735	438476	3762800	9.16E-05	3.12E-04	1.42E-05	5.10E-05	7.67E-06	2.37E-05
1736	438476	3762790	9.02E-05	3.08E-04	1.40E-05	5.03E-05	7.55E-06	2.33E-05
1737	438476.1	3762780	8.88E-05	3.03E-04	1.38E-05	4.95E-05	7.43E-06	2.30E-05
1738	438476.1	3762770	8.74E-05	2.98E-04	1.36E-05	4.87E-05	7.31E-06	2.26E-05
1739	438476.1	3762760	8.59E-05	2.93E-04	1.34E-05	4.79E-05	7.19E-06	2.22E-05
1740	438476.1	3762750	8.44E-05	2.88E-04	1.31E-05	4.70E-05	7.07E-06	2.18E-05
1741	438476.1	3762741	8.30E-05	2.83E-04	1.29E-05	4.62E-05	6.95E-06	2.14E-05
1742	438476.1	3762731	8.15E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.11E-05
1743	438476.1	3762721	8.00E-05	2.73E-04	1.24E-05	4.46E-05	6.70E-06	2.07E-05
1744	438504.7	3762896	9.62E-05	3.28E-04	1.50E-05	5.36E-05	8.05E-06	2.49E-05
1745	438501.8	3762905	9.76E-05	3.33E-04	1.52E-05	5.44E-05	8.17E-06	2.52E-05
1746	438499	3762914	9.91E-05	3.38E-04	1.54E-05	5.52E-05	8.30E-06	2.56E-05
1747	438496.2	3762924	1.01E-04	3.43E-04	1.56E-05	5.60E-05	8.42E-06	2.60E-05
1748	438493.4	3762933	1.02E-04	3.48E-04	1.59E-05	5.68E-05	8.54E-06	2.64E-05
1749	438490.5	3762942	1.03E-04	3.53E-04	1.61E-05	5.76E-05	8.65E-06	2.67E-05
1750	438487.7	3762952	1.05E-04	3.57E-04	1.63E-05	5.83E-05	8.76E-06	2.71E-05
1751	438484.9	3762961	1.06E-04	3.61E-04	1.65E-05	5.90E-05	8.87E-06	2.74E-05
1752	438482.1	3762970	1.07E-04	3.65E-04	1.66E-05	5.97E-05	8.96E-06	2.77E-05
1753	438479.3	3762979	1.08E-04	3.69E-04	1.68E-05	6.02E-05	9.05E-06	2.79E-05
1754	438476.4	3762989	1.09E-04	3.72E-04	1.70E-05	6.08E-05	9.13E-06	2.82E-05
1755	438473.6	3762998	1.10E-04	3.75E-04	1.71E-05	6.13E-05	9.21E-06	2.84E-05
1756	438470.8	3763007	1.11E-04	3.79E-04	1.73E-05	6.19E-05	9.29E-06	2.87E-05
1757	438468	3763017	1.12E-04	3.82E-04	1.74E-05	6.24E-05	9.37E-06	2.89E-05
1758	438465.1	3763026	1.13E-04	3.85E-04	1.75E-05	6.29E-05	9.45E-06	2.92E-05
1759	438462.3	3763035	1.14E-04	3.88E-04	1.77E-05	6.33E-05	9.52E-06	2.94E-05
1760	438459.5	3763045	1.14E-04	3.90E-04	1.78E-05	6.37E-05	9.57E-06	2.96E-05
1761	438456.7	3763054	1.15E-04	3.92E-04	1.79E-05	6.41E-05	9.63E-06	2.97E-05
1762	438453.9	3763063	1.16E-04	3.94E-04	1.80E-05	6.44E-05	9.67E-06	2.99E-05
1763	438451	3763073	1.16E-04	3.96E-04	1.80E-05	6.46E-05	9.71E-06	3.00E-05
1764	438448.2	3763082	1.16E-04	3.97E-04	1.81E-05	6.49E-05	9.74E-06	3.01E-05

1765	438445.4	3763091	1.17E-04	3.98E-04	1.81E-05	6.50E-05	9.77E-06	3.02E-05
1766	438442.6	3763100	1.17E-04	3.99E-04	1.82E-05	6.52E-05	9.79E-06	3.02E-05
1767	438439.7	3763110	1.17E-04	3.99E-04	1.82E-05	6.52E-05	9.80E-06	3.03E-05
1768	438436.9	3763119	1.17E-04	4.00E-04	1.82E-05	6.53E-05	9.81E-06	3.03E-05
1769	438434.1	3763128	1.17E-04	4.00E-04	1.82E-05	6.53E-05	9.81E-06	3.03E-05
1770	438431.3	3763138	1.17E-04	4.00E-04	1.82E-05	6.53E-05	9.81E-06	3.03E-05
1771	438428.5	3763147	1.17E-04	3.99E-04	1.82E-05	6.52E-05	9.80E-06	3.02E-05
1772	438425.6	3763156	1.17E-04	3.98E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
1773	438422.8	3763166	1.17E-04	3.97E-04	1.81E-05	6.49E-05	9.75E-06	3.01E-05
1774	438420	3763175	1.16E-04	3.96E-04	1.80E-05	6.46E-05	9.71E-06	3.00E-05
1775	438417.2	3763184	1.15E-04	3.93E-04	1.79E-05	6.42E-05	9.65E-06	2.98E-05
1776	438414.3	3763194	1.14E-04	3.90E-04	1.78E-05	6.37E-05	9.58E-06	2.96E-05
1777	438411.5	3763203	1.14E-04	3.87E-04	1.76E-05	6.32E-05	9.50E-06	2.93E-05
1778	438408.7	3763212	1.13E-04	3.84E-04	1.75E-05	6.27E-05	9.42E-06	2.91E-05
1779	438405.9	3763221	1.11E-04	3.80E-04	1.73E-05	6.21E-05	9.33E-06	2.88E-05
1780	438403.1	3763231	1.10E-04	3.76E-04	1.71E-05	6.14E-05	9.23E-06	2.85E-05
1781	438400.2	3763240	1.09E-04	3.72E-04	1.70E-05	6.08E-05	9.14E-06	2.82E-05
1782	438397.4	3763249	1.08E-04	3.68E-04	1.68E-05	6.01E-05	9.04E-06	2.79E-05
1783	438394.6	3763259	1.07E-04	3.64E-04	1.66E-05	5.94E-05	8.93E-06	2.76E-05
1784	438391.8	3763268	1.05E-04	3.59E-04	1.63E-05	5.86E-05	8.80E-06	2.72E-05
1785	438388.9	3763277	1.04E-04	3.53E-04	1.61E-05	5.77E-05	8.67E-06	2.68E-05
1786	438515.9	3762858	9.07E-05	3.09E-04	1.41E-05	5.05E-05	7.60E-06	2.34E-05
1787	438516	3762849	8.99E-05	3.06E-04	1.40E-05	5.01E-05	7.52E-06	2.32E-05
1788	438516	3762839	8.90E-05	3.03E-04	1.38E-05	4.96E-05	7.45E-06	2.30E-05
1789	438516	3762829	8.80E-05	3.00E-04	1.37E-05	4.90E-05	7.36E-06	2.27E-05
1790	438516	3762819	8.68E-05	2.96E-04	1.35E-05	4.84E-05	7.27E-06	2.24E-05
1791	438516	3762809	8.57E-05	2.92E-04	1.33E-05	4.77E-05	7.17E-06	2.21E-05
1792	438516	3762800	8.45E-05	2.88E-04	1.31E-05	4.71E-05	7.07E-06	2.18E-05
1793	438516	3762790	8.33E-05	2.84E-04	1.29E-05	4.64E-05	6.97E-06	2.15E-05
1794	438516.1	3762780	8.20E-05	2.80E-04	1.27E-05	4.57E-05	6.87E-06	2.12E-05
1795	438516.1	3762770	8.08E-05	2.75E-04	1.25E-05	4.50E-05	6.76E-06	2.09E-05
1796	438516.1	3762760	7.95E-05	2.71E-04	1.23E-05	4.43E-05	6.65E-06	2.05E-05
1797	438516.1	3762751	7.82E-05	2.67E-04	1.21E-05	4.35E-05	6.54E-06	2.02E-05
1798	438516.1	3762741	7.69E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.99E-05
1799	438516.1	3762731	7.55E-05	2.58E-04	1.17E-05	4.21E-05	6.32E-06	1.95E-05
1800	438516.1	3762721	7.42E-05	2.53E-04	1.15E-05	4.13E-05	6.21E-06	1.92E-05
1801	438544.6	3762896	8.85E-05	3.02E-04	1.37E-05	4.93E-05	7.41E-06	2.29E-05
1802	438541.7	3762905	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
1803	438538.9	3762915	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
1804	438536.1	3762924	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.72E-06	2.38E-05
1805	438533.2	3762933	9.36E-05	3.19E-04	1.45E-05	5.21E-05	7.83E-06	2.42E-05
1806	438530.4	3762943	9.49E-05	3.24E-04	1.47E-05	5.29E-05	7.94E-06	2.45E-05
1807	438527.5	3762952	9.61E-05	3.28E-04	1.49E-05	5.36E-05	8.05E-06	2.48E-05
1808	438524.7	3762962	9.73E-05	3.32E-04	1.51E-05	5.42E-05	8.15E-06	2.51E-05
1809	438521.9	3762971	9.84E-05	3.35E-04	1.53E-05	5.48E-05	8.23E-06	2.54E-05
1810	438519	3762980	9.93E-05	3.39E-04	1.54E-05	5.53E-05	8.31E-06	2.57E-05
1811	438516.2	3762990	1.00E-04	3.42E-04	1.56E-05	5.59E-05	8.39E-06	2.59E-05
1812	438513.3	3762999	1.01E-04	3.45E-04	1.57E-05	5.64E-05	8.47E-06	2.62E-05
1813	438510.5	3763008	1.02E-04	3.48E-04	1.59E-05	5.69E-05	8.55E-06	2.64E-05
1814	438507.7	3763018	1.03E-04	3.51E-04	1.60E-05	5.73E-05	8.62E-06	2.66E-05
1815	438504.8	3763027	1.04E-04	3.54E-04	1.61E-05	5.78E-05	8.69E-06	2.68E-05
1816	438502	3763036	1.05E-04	3.57E-04	1.63E-05	5.83E-05	8.76E-06	2.71E-05

1817	438499.1	3763046	1.05E-04	3.60E-04	1.64E-05	5.88E-05	8.83E-06	2.73E-05
1818	438496.3	3763055	1.06E-04	3.62E-04	1.65E-05	5.91E-05	8.89E-06	2.74E-05
1819	438493.5	3763065	1.07E-04	3.64E-04	1.66E-05	5.95E-05	8.93E-06	2.76E-05
1820	438490.6	3763074	1.07E-04	3.66E-04	1.67E-05	5.97E-05	8.98E-06	2.77E-05
1821	438487.8	3763083	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.01E-06	2.78E-05
1822	438484.9	3763093	1.08E-04	3.68E-04	1.68E-05	6.02E-05	9.04E-06	2.79E-05
1823	438482.1	3763102	1.08E-04	3.69E-04	1.68E-05	6.03E-05	9.07E-06	2.80E-05
1824	438479.3	3763111	1.09E-04	3.70E-04	1.69E-05	6.04E-05	9.08E-06	2.80E-05
1825	438476.4	3763121	1.09E-04	3.70E-04	1.69E-05	6.05E-05	9.09E-06	2.81E-05
1826	438473.6	3763130	1.09E-04	3.70E-04	1.69E-05	6.05E-05	9.09E-06	2.81E-05
1827	438470.7	3763140	1.09E-04	3.70E-04	1.69E-05	6.04E-05	9.08E-06	2.80E-05
1828	438467.9	3763149	1.08E-04	3.70E-04	1.69E-05	6.04E-05	9.08E-06	2.80E-05
1829	438465.1	3763158	1.08E-04	3.70E-04	1.68E-05	6.04E-05	9.07E-06	2.80E-05
1830	438462.2	3763168	1.08E-04	3.69E-04	1.68E-05	6.03E-05	9.06E-06	2.80E-05
1831	438459.4	3763177	1.08E-04	3.68E-04	1.68E-05	6.01E-05	9.03E-06	2.79E-05
1832	438456.5	3763186	1.07E-04	3.66E-04	1.67E-05	5.98E-05	8.99E-06	2.78E-05
1833	438453.7	3763196	1.07E-04	3.64E-04	1.66E-05	5.95E-05	8.94E-06	2.76E-05
1834	438450.9	3763205	1.06E-04	3.62E-04	1.65E-05	5.92E-05	8.89E-06	2.75E-05
1835	438448	3763214	1.06E-04	3.60E-04	1.64E-05	5.88E-05	8.84E-06	2.73E-05
1836	438445.2	3763224	1.05E-04	3.57E-04	1.63E-05	5.84E-05	8.77E-06	2.71E-05
1837	438442.3	3763233	1.04E-04	3.54E-04	1.61E-05	5.79E-05	8.70E-06	2.69E-05
1838	438439.5	3763243	1.03E-04	3.51E-04	1.60E-05	5.74E-05	8.62E-06	2.66E-05
1839	438436.7	3763252	1.02E-04	3.48E-04	1.58E-05	5.68E-05	8.54E-06	2.64E-05
1840	438433.8	3763261	1.01E-04	3.44E-04	1.57E-05	5.62E-05	8.45E-06	2.61E-05
1841	438431	3763271	9.97E-05	3.40E-04	1.55E-05	5.55E-05	8.35E-06	2.58E-05
1842	438428.1	3763280	9.84E-05	3.36E-04	1.53E-05	5.48E-05	8.24E-06	2.54E-05
1843	438425.3	3763289	9.70E-05	3.31E-04	1.51E-05	5.40E-05	8.12E-06	2.51E-05
1844	438422.5	3763299	9.55E-05	3.26E-04	1.48E-05	5.32E-05	7.99E-06	2.47E-05
1845	438419.6	3763308	9.39E-05	3.20E-04	1.46E-05	5.23E-05	7.86E-06	2.43E-05
1846	438416.8	3763318	9.26E-05	3.16E-04	1.44E-05	5.16E-05	7.75E-06	2.39E-05
1847	438413.9	3763327	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
1848	438411.1	3763336	8.93E-05	3.04E-04	1.39E-05	4.97E-05	7.47E-06	2.31E-05
1849	438408.2	3763346	8.75E-05	2.98E-04	1.36E-05	4.87E-05	7.32E-06	2.26E-05
1850	438405.4	3763355	8.57E-05	2.92E-04	1.33E-05	4.77E-05	7.17E-06	2.21E-05
1851	438402.6	3763364	8.39E-05	2.86E-04	1.30E-05	4.67E-05	7.02E-06	2.17E-05
1852	438399.7	3763374	8.20E-05	2.80E-04	1.27E-05	4.57E-05	6.86E-06	2.12E-05
1853	438396.9	3763383	8.01E-05	2.73E-04	1.24E-05	4.46E-05	6.70E-06	2.07E-05
1854	438394	3763392	7.82E-05	2.67E-04	1.22E-05	4.36E-05	6.55E-06	2.02E-05
1855	438391.2	3763402	7.63E-05	2.60E-04	1.19E-05	4.25E-05	6.39E-06	1.97E-05
1856	438555.9	3762859	8.37E-05	2.85E-04	1.30E-05	4.66E-05	7.00E-06	2.16E-05
1857	438556	3762849	8.28E-05	2.82E-04	1.29E-05	4.61E-05	6.93E-06	2.14E-05
1858	438556	3762839	8.19E-05	2.79E-04	1.27E-05	4.56E-05	6.85E-06	2.12E-05
1859	438556	3762829	8.10E-05	2.76E-04	1.26E-05	4.51E-05	6.78E-06	2.09E-05
1860	438556	3762819	8.01E-05	2.73E-04	1.25E-05	4.46E-05	6.71E-06	2.07E-05
1861	438556	3762809	7.92E-05	2.70E-04	1.23E-05	4.41E-05	6.63E-06	2.05E-05
1862	438556	3762800	7.81E-05	2.66E-04	1.21E-05	4.35E-05	6.54E-06	2.02E-05
1863	438556	3762790	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.45E-06	1.99E-05
1864	438556.1	3762780	7.60E-05	2.59E-04	1.18E-05	4.23E-05	6.36E-06	1.96E-05
1865	438556.1	3762770	7.48E-05	2.55E-04	1.16E-05	4.17E-05	6.26E-06	1.93E-05
1866	438556.1	3762760	7.37E-05	2.51E-04	1.15E-05	4.11E-05	6.17E-06	1.90E-05
1867	438556.1	3762751	7.26E-05	2.47E-04	1.13E-05	4.04E-05	6.07E-06	1.87E-05
1868	438556.1	3762741	7.14E-05	2.43E-04	1.11E-05	3.98E-05	5.98E-06	1.84E-05

1869	438556.1	3762731	7.02E-05	2.40E-04	1.09E-05	3.91E-05	5.88E-06	1.82E-05
1870	438556.1	3762721	6.91E-05	2.36E-04	1.07E-05	3.85E-05	5.78E-06	1.79E-05
1871	437546.8	3762710	5.00E-03	1.71E-02	7.78E-04	2.79E-03	4.19E-04	1.29E-03
1872	437537.4	3762710	5.32E-03	1.82E-02	8.27E-04	2.97E-03	4.46E-04	1.38E-03
1873	437528	3762710	5.57E-03	1.90E-02	8.66E-04	3.10E-03	4.66E-04	1.44E-03
1874	437518.6	3762710	5.75E-03	1.96E-02	8.94E-04	3.20E-03	4.81E-04	1.49E-03
1875	437509.2	3762710	5.83E-03	1.99E-02	9.06E-04	3.25E-03	4.88E-04	1.51E-03
1876	437499.8	3762710	5.86E-03	2.00E-02	9.11E-04	3.27E-03	4.91E-04	1.51E-03
1877	437490.4	3762710	5.85E-03	1.99E-02	9.09E-04	3.26E-03	4.90E-04	1.51E-03
1878	437481	3762710	5.76E-03	1.97E-02	8.96E-04	3.21E-03	4.82E-04	1.49E-03
1879	437471.6	3762710	5.64E-03	1.92E-02	8.77E-04	3.14E-03	4.72E-04	1.46E-03
1880	437462.2	3762710	5.49E-03	1.87E-02	8.53E-04	3.06E-03	4.60E-04	1.42E-03
1881	437452.8	3762710	5.32E-03	1.81E-02	8.26E-04	2.96E-03	4.45E-04	1.37E-03
1882	437546.8	3762700	3.61E-03	1.23E-02	5.61E-04	2.01E-03	3.02E-04	9.32E-04
1883	437537.4	3762700	3.79E-03	1.29E-02	5.89E-04	2.11E-03	3.18E-04	9.80E-04
1884	437528	3762700	3.94E-03	1.34E-02	6.13E-04	2.20E-03	3.30E-04	1.02E-03
1885	437518.6	3762700	4.05E-03	1.38E-02	6.29E-04	2.26E-03	3.39E-04	1.05E-03
1886	437509.2	3762700	4.10E-03	1.40E-02	6.37E-04	2.28E-03	3.43E-04	1.06E-03
1887	437499.8	3762700	4.12E-03	1.40E-02	6.40E-04	2.29E-03	3.45E-04	1.06E-03
1888	437490.4	3762700	4.11E-03	1.40E-02	6.38E-04	2.29E-03	3.44E-04	1.06E-03
1889	437481	3762700	4.06E-03	1.38E-02	6.30E-04	2.26E-03	3.40E-04	1.05E-03
1890	437471.6	3762700	3.98E-03	1.36E-02	6.19E-04	2.22E-03	3.33E-04	1.03E-03
1891	437462.2	3762700	3.88E-03	1.32E-02	6.03E-04	2.16E-03	3.25E-04	1.00E-03
1892	437452.8	3762700	3.75E-03	1.28E-02	5.82E-04	2.09E-03	3.14E-04	9.68E-04
1893	437546.8	3762690	2.73E-03	9.32E-03	4.25E-04	1.52E-03	2.29E-04	7.06E-04
1894	437537.4	3762690	2.84E-03	9.69E-03	4.41E-04	1.58E-03	2.38E-04	7.34E-04
1895	437528	3762690	2.93E-03	9.99E-03	4.55E-04	1.63E-03	2.45E-04	7.57E-04
1896	437518.6	3762690	3.00E-03	1.02E-02	4.65E-04	1.67E-03	2.51E-04	7.74E-04
1897	437509.2	3762690	3.02E-03	1.03E-02	4.70E-04	1.68E-03	2.53E-04	7.81E-04
1898	437499.8	3762690	3.03E-03	1.03E-02	4.71E-04	1.69E-03	2.54E-04	7.84E-04
1899	437490.4	3762690	3.02E-03	1.03E-02	4.69E-04	1.68E-03	2.53E-04	7.80E-04
1900	437481	3762690	2.99E-03	1.02E-02	4.64E-04	1.66E-03	2.50E-04	7.72E-04
1901	437471.6	3762690	2.94E-03	1.00E-02	4.56E-04	1.64E-03	2.46E-04	7.59E-04
1902	437462.2	3762690	2.87E-03	9.78E-03	4.45E-04	1.60E-03	2.40E-04	7.41E-04
1903	437452.8	3762690	2.77E-03	9.43E-03	4.30E-04	1.54E-03	2.32E-04	7.15E-04
1904	437546.8	3762680	2.15E-03	7.33E-03	3.34E-04	1.20E-03	1.80E-04	5.56E-04
1905	437537.4	3762680	2.21E-03	7.54E-03	3.44E-04	1.23E-03	1.85E-04	5.71E-04
1906	437528	3762680	2.26E-03	7.70E-03	3.51E-04	1.26E-03	1.89E-04	5.84E-04
1907	437518.6	3762680	2.29E-03	7.82E-03	3.56E-04	1.28E-03	1.92E-04	5.92E-04
1908	437509.2	3762680	2.31E-03	7.88E-03	3.59E-04	1.29E-03	1.94E-04	5.97E-04
1909	437499.8	3762680	2.32E-03	7.90E-03	3.60E-04	1.29E-03	1.94E-04	5.99E-04
1910	437490.4	3762680	2.31E-03	7.87E-03	3.59E-04	1.29E-03	1.93E-04	5.96E-04
1911	437481	3762680	2.28E-03	7.79E-03	3.55E-04	1.27E-03	1.91E-04	5.90E-04
1912	437471.6	3762680	2.25E-03	7.66E-03	3.49E-04	1.25E-03	1.88E-04	5.81E-04
1913	437462.2	3762680	2.20E-03	7.49E-03	3.41E-04	1.22E-03	1.84E-04	5.68E-04
1914	437452.8	3762680	2.13E-03	7.25E-03	3.31E-04	1.18E-03	1.78E-04	5.50E-04
1915	437546.7	3762670	1.74E-03	5.92E-03	2.70E-04	9.67E-04	1.45E-04	4.49E-04
1916	437537.4	3762670	1.77E-03	6.04E-03	2.75E-04	9.86E-04	1.48E-04	4.58E-04
1917	437528	3762670	1.80E-03	6.12E-03	2.79E-04	1.00E-03	1.50E-04	4.64E-04
1918	437518.6	3762670	1.81E-03	6.18E-03	2.82E-04	1.01E-03	1.52E-04	4.68E-04
1919	437509.2	3762670	1.82E-03	6.22E-03	2.83E-04	1.02E-03	1.53E-04	4.71E-04
1920	437499.8	3762670	1.83E-03	6.23E-03	2.84E-04	1.02E-03	1.53E-04	4.72E-04

1921	437490.4	3762670	1.82E-03	6.20E-03	2.83E-04	1.01E-03	1.52E-04	4.70E-04
1922	437481	3762670	1.80E-03	6.14E-03	2.80E-04	1.00E-03	1.51E-04	4.65E-04
1923	437471.6	3762670	1.77E-03	6.04E-03	2.75E-04	9.87E-04	1.48E-04	4.58E-04
1924	437462.2	3762670	1.73E-03	5.92E-03	2.70E-04	9.66E-04	1.45E-04	4.48E-04
1925	437452.8	3762670	1.68E-03	5.74E-03	2.62E-04	9.38E-04	1.41E-04	4.35E-04
1926	437443.5	3762670	1.62E-03	5.53E-03	2.52E-04	9.04E-04	1.36E-04	4.19E-04
1927	437581.6	3762670	1.53E-03	5.22E-03	2.38E-04	8.53E-04	1.28E-04	3.96E-04
1928	437590.1	3762674	1.56E-03	5.33E-03	2.43E-04	8.71E-04	1.31E-04	4.04E-04
1929	437546.7	3762660	1.43E-03	4.87E-03	2.22E-04	7.96E-04	1.20E-04	3.69E-04
1930	437537.4	3762660	1.45E-03	4.94E-03	2.25E-04	8.08E-04	1.21E-04	3.75E-04
1931	437528	3762660	1.46E-03	4.99E-03	2.27E-04	8.15E-04	1.22E-04	3.78E-04
1932	437518.6	3762660	1.47E-03	5.01E-03	2.28E-04	8.18E-04	1.23E-04	3.80E-04
1933	437509.2	3762660	1.48E-03	5.03E-03	2.29E-04	8.22E-04	1.24E-04	3.81E-04
1934	437499.8	3762660	1.48E-03	5.03E-03	2.29E-04	8.22E-04	1.24E-04	3.81E-04
1935	437490.4	3762660	1.47E-03	5.01E-03	2.28E-04	8.18E-04	1.23E-04	3.79E-04
1936	437481	3762660	1.45E-03	4.96E-03	2.26E-04	8.10E-04	1.22E-04	3.76E-04
1937	437471.6	3762660	1.43E-03	4.88E-03	2.22E-04	7.98E-04	1.20E-04	3.70E-04
1938	437462.2	3762660	1.40E-03	4.78E-03	2.18E-04	7.81E-04	1.17E-04	3.62E-04
1939	437452.8	3762660	1.36E-03	4.65E-03	2.12E-04	7.60E-04	1.14E-04	3.52E-04
1940	437443.4	3762660	1.32E-03	4.49E-03	2.05E-04	7.34E-04	1.10E-04	3.41E-04
1941	437597.4	3762667	1.35E-03	4.59E-03	2.09E-04	7.50E-04	1.13E-04	3.48E-04
1942	437546.7	3762650	1.20E-03	4.08E-03	1.86E-04	6.67E-04	1.00E-04	3.09E-04
1943	437537.4	3762650	1.21E-03	4.13E-03	1.88E-04	6.74E-04	1.01E-04	3.13E-04
1944	437528	3762650	1.22E-03	4.15E-03	1.89E-04	6.78E-04	1.02E-04	3.15E-04
1945	437518.6	3762650	1.22E-03	4.16E-03	1.90E-04	6.80E-04	1.02E-04	3.15E-04
1946	437509.2	3762650	1.22E-03	4.17E-03	1.90E-04	6.81E-04	1.02E-04	3.16E-04
1947	437499.8	3762650	1.22E-03	4.16E-03	1.90E-04	6.80E-04	1.02E-04	3.15E-04
1948	437490.4	3762650	1.21E-03	4.14E-03	1.88E-04	6.76E-04	1.02E-04	3.13E-04
1949	437481	3762650	1.20E-03	4.09E-03	1.86E-04	6.68E-04	1.00E-04	3.10E-04
1950	437471.6	3762650	1.18E-03	4.03E-03	1.84E-04	6.58E-04	9.89E-05	3.05E-04
1951	437462.2	3762650	1.16E-03	3.95E-03	1.80E-04	6.45E-04	9.69E-05	2.99E-04
1952	437452.8	3762650	1.13E-03	3.85E-03	1.75E-04	6.28E-04	9.44E-05	2.91E-04
1953	437443.4	3762650	1.09E-03	3.73E-03	1.70E-04	6.09E-04	9.15E-05	2.82E-04
1954	437596.6	3762656	1.15E-03	3.93E-03	1.79E-04	6.42E-04	9.65E-05	2.98E-04
1955	437616.1	3762671	1.31E-03	4.46E-03	2.03E-04	7.28E-04	1.09E-04	3.38E-04
1956	437546.7	3762640	1.02E-03	3.46E-03	1.58E-04	5.66E-04	8.51E-05	2.63E-04
1957	437537.4	3762640	1.02E-03	3.49E-03	1.59E-04	5.71E-04	8.58E-05	2.65E-04
1958	437528	3762640	1.03E-03	3.51E-03	1.60E-04	5.73E-04	8.61E-05	2.66E-04
1959	437518.6	3762640	1.03E-03	3.51E-03	1.60E-04	5.73E-04	8.61E-05	2.66E-04
1960	437509.2	3762640	1.03E-03	3.51E-03	1.60E-04	5.73E-04	8.61E-05	2.66E-04
1961	437499.8	3762640	1.03E-03	3.50E-03	1.59E-04	5.71E-04	8.58E-05	2.65E-04
1962	437490.4	3762640	1.02E-03	3.47E-03	1.58E-04	5.67E-04	8.51E-05	2.63E-04
1963	437481	3762640	1.01E-03	3.43E-03	1.56E-04	5.60E-04	8.42E-05	2.60E-04
1964	437471.6	3762640	9.91E-04	3.38E-03	1.54E-04	5.52E-04	8.29E-05	2.56E-04
1965	437462.2	3762640	9.71E-04	3.31E-03	1.51E-04	5.41E-04	8.13E-05	2.51E-04
1966	437452.8	3762640	9.47E-04	3.23E-03	1.47E-04	5.27E-04	7.92E-05	2.45E-04
1967	437443.4	3762640	9.19E-04	3.13E-03	1.43E-04	5.12E-04	7.69E-05	2.37E-04
1968	437595.9	3762646	9.96E-04	3.40E-03	1.55E-04	5.55E-04	8.34E-05	2.57E-04
1969	437611.9	3762653	1.03E-03	3.50E-03	1.60E-04	5.72E-04	8.59E-05	2.65E-04
1970	437623.1	3762664	1.14E-03	3.87E-03	1.76E-04	6.33E-04	9.50E-05	2.93E-04
1971	437546.7	3762630	8.72E-04	2.97E-03	1.36E-04	4.86E-04	7.30E-05	2.25E-04
1972	437537.4	3762630	8.77E-04	2.99E-03	1.36E-04	4.89E-04	7.34E-05	2.27E-04

1973	437528	3762630	8.79E-04	3.00E-03	1.37E-04	4.90E-04	7.36E-05	2.27E-04
1974	437518.6	3762630	8.79E-04	3.00E-03	1.37E-04	4.89E-04	7.35E-05	2.27E-04
1975	437509.2	3762630	8.77E-04	2.99E-03	1.36E-04	4.88E-04	7.34E-05	2.27E-04
1976	437499.8	3762630	8.72E-04	2.97E-03	1.36E-04	4.86E-04	7.30E-05	2.25E-04
1977	437490.4	3762630	8.65E-04	2.95E-03	1.34E-04	4.82E-04	7.24E-05	2.23E-04
1978	437481	3762630	8.55E-04	2.91E-03	1.33E-04	4.76E-04	7.15E-05	2.21E-04
1979	437471.6	3762630	8.41E-04	2.87E-03	1.31E-04	4.69E-04	7.04E-05	2.17E-04
1980	437462.2	3762630	8.25E-04	2.81E-03	1.28E-04	4.59E-04	6.90E-05	2.13E-04
1981	437452.8	3762630	8.05E-04	2.74E-03	1.25E-04	4.48E-04	6.74E-05	2.08E-04
1982	437443.4	3762630	7.82E-04	2.67E-03	1.22E-04	4.36E-04	6.55E-05	2.02E-04
1983	437595.5	3762636	8.67E-04	2.96E-03	1.35E-04	4.83E-04	7.25E-05	2.24E-04
1984	437611.2	3762643	8.96E-04	3.06E-03	1.39E-04	4.99E-04	7.50E-05	2.32E-04
1985	437630.2	3762657	9.96E-04	3.40E-03	1.55E-04	5.55E-04	8.33E-05	2.57E-04
1986	437636.7	3762673	1.18E-03	4.03E-03	1.84E-04	6.59E-04	9.90E-05	3.06E-04
1987	437546.7	3762620	7.56E-04	2.58E-03	1.17E-04	4.21E-04	6.33E-05	1.95E-04
1988	437537.4	3762620	7.59E-04	2.59E-03	1.18E-04	4.23E-04	6.36E-05	1.96E-04
1989	437528	3762620	7.60E-04	2.59E-03	1.18E-04	4.24E-04	6.36E-05	1.96E-04
1990	437518.6	3762620	7.59E-04	2.59E-03	1.18E-04	4.23E-04	6.35E-05	1.96E-04
1991	437509.2	3762620	7.56E-04	2.58E-03	1.17E-04	4.21E-04	6.33E-05	1.95E-04
1992	437499.8	3762620	7.51E-04	2.56E-03	1.17E-04	4.18E-04	6.29E-05	1.94E-04
1993	437490.4	3762620	7.44E-04	2.54E-03	1.16E-04	4.14E-04	6.23E-05	1.92E-04
1994	437481	3762620	7.34E-04	2.50E-03	1.14E-04	4.09E-04	6.15E-05	1.90E-04
1995	437471.6	3762620	7.23E-04	2.46E-03	1.12E-04	4.02E-04	6.05E-05	1.87E-04
1996	437462.2	3762620	7.08E-04	2.42E-03	1.10E-04	3.95E-04	5.93E-05	1.83E-04
1997	437452.8	3762620	6.92E-04	2.36E-03	1.08E-04	3.85E-04	5.79E-05	1.79E-04
1998	437443.4	3762620	6.74E-04	2.30E-03	1.05E-04	3.75E-04	5.64E-05	1.74E-04
1999	437590.1	3762614	6.60E-04	2.25E-03	1.03E-04	3.68E-04	5.52E-05	1.71E-04
2000	437598.6	3762617	6.76E-04	2.31E-03	1.05E-04	3.77E-04	5.66E-05	1.75E-04
2001	437607.1	3762621	6.91E-04	2.36E-03	1.07E-04	3.85E-04	5.78E-05	1.78E-04
2002	437615.6	3762624	7.03E-04	2.40E-03	1.09E-04	3.92E-04	5.88E-05	1.82E-04
2003	437624.1	3762628	7.13E-04	2.43E-03	1.11E-04	3.97E-04	5.97E-05	1.84E-04
2004	437632.6	3762631	7.21E-04	2.46E-03	1.12E-04	4.02E-04	6.04E-05	1.86E-04
2005	437644.6	3762643	7.90E-04	2.70E-03	1.23E-04	4.40E-04	6.62E-05	2.04E-04
2006	437648.1	3762652	8.59E-04	2.93E-03	1.33E-04	4.79E-04	7.19E-05	2.22E-04
2007	437651.6	3762660	9.34E-04	3.18E-03	1.45E-04	5.20E-04	7.81E-05	2.41E-04
2008	437655.1	3762669	1.02E-03	3.46E-03	1.58E-04	5.66E-04	8.50E-05	2.62E-04
2009	437665.6	3762694	1.29E-03	4.41E-03	2.01E-04	7.20E-04	1.08E-04	3.34E-04
2010	437669.1	3762703	1.39E-03	4.75E-03	2.16E-04	7.75E-04	1.16E-04	3.60E-04
2011	437672.6	3762711	1.49E-03	5.09E-03	2.32E-04	8.31E-04	1.25E-04	3.86E-04
2012	437546.7	3762600	5.82E-04	1.99E-03	9.05E-05	3.24E-04	4.87E-05	1.50E-04
2013	437537.4	3762600	5.83E-04	1.99E-03	9.06E-05	3.25E-04	4.88E-05	1.51E-04
2014	437528	3762600	5.82E-04	1.99E-03	9.05E-05	3.24E-04	4.87E-05	1.50E-04
2015	437518.6	3762600	5.80E-04	1.98E-03	9.01E-05	3.23E-04	4.86E-05	1.50E-04
2016	437509.2	3762600	5.77E-04	1.97E-03	8.96E-05	3.21E-04	4.83E-05	1.49E-04
2017	437499.8	3762600	5.72E-04	1.95E-03	8.88E-05	3.18E-04	4.79E-05	1.48E-04
2018	437490.4	3762600	5.65E-04	1.93E-03	8.78E-05	3.15E-04	4.73E-05	1.46E-04
2019	437481	3762600	5.57E-04	1.90E-03	8.66E-05	3.11E-04	4.67E-05	1.44E-04
2020	437471.6	3762600	5.48E-04	1.87E-03	8.52E-05	3.05E-04	4.59E-05	1.42E-04
2021	437462.2	3762600	5.38E-04	1.83E-03	8.36E-05	3.00E-04	4.50E-05	1.39E-04
2022	437452.8	3762600	5.26E-04	1.80E-03	8.18E-05	2.93E-04	4.41E-05	1.36E-04
2023	437443.4	3762600	5.14E-04	1.75E-03	7.99E-05	2.86E-04	4.30E-05	1.33E-04
2024	437597.4	3762597	5.34E-04	1.82E-03	8.30E-05	2.98E-04	4.47E-05	1.38E-04

2025	437613.9	3762604	5.57E-04	1.90E-03	8.66E-05	3.10E-04	4.66E-05	1.44E-04
2026	437630.4	3762611	5.75E-04	1.96E-03	8.93E-05	3.20E-04	4.81E-05	1.49E-04
2027	437647	3762617	5.88E-04	2.00E-03	9.13E-05	3.27E-04	4.92E-05	1.52E-04
2028	437658.6	3762629	6.37E-04	2.17E-03	9.90E-05	3.55E-04	5.33E-05	1.65E-04
2029	437665.4	3762646	7.38E-04	2.52E-03	1.15E-04	4.11E-04	6.18E-05	1.91E-04
2030	437672.3	3762662	8.56E-04	2.92E-03	1.33E-04	4.77E-04	7.16E-05	2.21E-04
2031	437679.1	3762679	9.89E-04	3.37E-03	1.54E-04	5.51E-04	8.28E-05	2.56E-04
2032	437682.5	3762687	1.06E-03	3.62E-03	1.65E-04	5.91E-04	8.88E-05	2.74E-04
2033	437689.3	3762703	1.21E-03	4.12E-03	1.88E-04	6.73E-04	1.01E-04	3.12E-04
2034	437546.7	3762580	4.60E-04	1.57E-03	7.15E-05	2.56E-04	3.85E-05	1.19E-04
2035	437537.4	3762580	4.60E-04	1.57E-03	7.14E-05	2.56E-04	3.85E-05	1.19E-04
2036	437528	3762580	4.58E-04	1.56E-03	7.12E-05	2.55E-04	3.83E-05	1.18E-04
2037	437518.6	3762580	4.55E-04	1.55E-03	7.08E-05	2.54E-04	3.81E-05	1.18E-04
2038	437509.2	3762580	4.52E-04	1.54E-03	7.02E-05	2.52E-04	3.78E-05	1.17E-04
2039	437499.8	3762580	4.47E-04	1.53E-03	6.95E-05	2.49E-04	3.74E-05	1.16E-04
2040	437490.4	3762580	4.42E-04	1.51E-03	6.86E-05	2.46E-04	3.70E-05	1.14E-04
2041	437481	3762580	4.36E-04	1.49E-03	6.77E-05	2.43E-04	3.65E-05	1.13E-04
2042	437471.6	3762580	4.29E-04	1.46E-03	6.66E-05	2.39E-04	3.59E-05	1.11E-04
2043	437462.2	3762580	4.21E-04	1.44E-03	6.54E-05	2.35E-04	3.52E-05	1.09E-04
2044	437452.8	3762580	4.13E-04	1.41E-03	6.41E-05	2.30E-04	3.45E-05	1.07E-04
2045	437443.4	3762580	4.04E-04	1.38E-03	6.28E-05	2.25E-04	3.38E-05	1.04E-04
2046	437596.6	3762576	4.31E-04	1.47E-03	6.69E-05	2.40E-04	3.60E-05	1.11E-04
2047	437612.7	3762583	4.50E-04	1.53E-03	6.99E-05	2.51E-04	3.77E-05	1.16E-04
2048	437628.9	3762590	4.66E-04	1.59E-03	7.24E-05	2.60E-04	3.90E-05	1.20E-04
2049	437645.1	3762597	4.79E-04	1.63E-03	7.44E-05	2.67E-04	4.01E-05	1.24E-04
2050	437661.3	3762603	4.88E-04	1.66E-03	7.58E-05	2.72E-04	4.08E-05	1.26E-04
2051	437672.7	3762615	5.24E-04	1.79E-03	8.15E-05	2.92E-04	4.39E-05	1.35E-04
2052	437679.4	3762631	5.99E-04	2.04E-03	9.30E-05	3.33E-04	5.01E-05	1.55E-04
2053	437686.1	3762647	6.84E-04	2.33E-03	1.06E-04	3.81E-04	5.72E-05	1.77E-04
2054	437692.8	3762663	7.80E-04	2.66E-03	1.21E-04	4.34E-04	6.53E-05	2.01E-04
2055	437699.4	3762679	8.86E-04	3.02E-03	1.38E-04	4.94E-04	7.42E-05	2.29E-04
2056	437706.1	3762696	9.99E-04	3.41E-03	1.55E-04	5.56E-04	8.36E-05	2.58E-04
2057	437546.7	3762560	3.71E-04	1.27E-03	5.77E-05	2.07E-04	3.11E-05	9.60E-05
2058	437537.3	3762560	3.70E-04	1.26E-03	5.75E-05	2.06E-04	3.10E-05	9.57E-05
2059	437528	3762560	3.68E-04	1.26E-03	5.72E-05	2.05E-04	3.08E-05	9.52E-05
2060	437518.6	3762560	3.66E-04	1.25E-03	5.68E-05	2.04E-04	3.06E-05	9.45E-05
2061	437509.2	3762560	3.62E-04	1.24E-03	5.63E-05	2.02E-04	3.03E-05	9.37E-05
2062	437499.8	3762560	3.59E-04	1.22E-03	5.57E-05	2.00E-04	3.00E-05	9.26E-05
2063	437490.4	3762560	3.54E-04	1.21E-03	5.50E-05	1.97E-04	2.96E-05	9.15E-05
2064	437481	3762560	3.49E-04	1.19E-03	5.42E-05	1.94E-04	2.92E-05	9.02E-05
2065	437471.6	3762560	3.44E-04	1.17E-03	5.34E-05	1.91E-04	2.88E-05	8.88E-05
2066	437462.2	3762560	3.38E-04	1.15E-03	5.25E-05	1.88E-04	2.83E-05	8.72E-05
2067	437452.8	3762560	3.31E-04	1.13E-03	5.15E-05	1.85E-04	2.77E-05	8.56E-05
2068	437443.4	3762560	3.25E-04	1.11E-03	5.05E-05	1.81E-04	2.72E-05	8.39E-05
2069	437598.6	3762557	3.56E-04	1.21E-03	5.53E-05	1.98E-04	2.98E-05	9.20E-05
2070	437607.1	3762561	3.65E-04	1.24E-03	5.67E-05	2.03E-04	3.05E-05	9.43E-05
2071	437615.6	3762564	3.73E-04	1.27E-03	5.80E-05	2.08E-04	3.12E-05	9.64E-05
2072	437624.1	3762568	3.81E-04	1.30E-03	5.91E-05	2.12E-04	3.19E-05	9.83E-05
2073	437632.6	3762571	3.87E-04	1.32E-03	6.02E-05	2.16E-04	3.24E-05	1.00E-04
2074	437641.1	3762575	3.93E-04	1.34E-03	6.11E-05	2.19E-04	3.29E-05	1.02E-04
2075	437649.5	3762578	3.99E-04	1.36E-03	6.20E-05	2.22E-04	3.34E-05	1.03E-04
2076	437658	3762582	4.04E-04	1.38E-03	6.27E-05	2.25E-04	3.38E-05	1.04E-04

2077	437666.5	3762585	4.07E-04	1.39E-03	6.33E-05	2.27E-04	3.41E-05	1.05E-04
2078	437675	3762589	4.11E-04	1.40E-03	6.38E-05	2.29E-04	3.44E-05	1.06E-04
2079	437687	3762601	4.41E-04	1.50E-03	6.85E-05	2.45E-04	3.69E-05	1.14E-04
2080	437690.5	3762610	4.70E-04	1.60E-03	7.30E-05	2.62E-04	3.93E-05	1.21E-04
2081	437694	3762618	5.01E-04	1.71E-03	7.78E-05	2.79E-04	4.19E-05	1.29E-04
2082	437697.5	3762627	5.34E-04	1.82E-03	8.30E-05	2.98E-04	4.47E-05	1.38E-04
2083	437701.1	3762635	5.70E-04	1.94E-03	8.85E-05	3.17E-04	4.77E-05	1.47E-04
2084	437704.6	3762644	6.08E-04	2.07E-03	9.44E-05	3.39E-04	5.09E-05	1.57E-04
2085	437708.1	3762652	6.48E-04	2.21E-03	1.01E-04	3.61E-04	5.42E-05	1.67E-04
2086	437711.6	3762661	6.90E-04	2.35E-03	1.07E-04	3.84E-04	5.78E-05	1.78E-04
2087	437715.1	3762669	7.35E-04	2.50E-03	1.14E-04	4.09E-04	6.15E-05	1.90E-04
2088	437718.6	3762678	7.80E-04	2.66E-03	1.21E-04	4.35E-04	6.53E-05	2.02E-04
2089	437722.1	3762686	8.27E-04	2.82E-03	1.29E-04	4.61E-04	6.92E-05	2.14E-04
2090	437725.6	3762694	8.74E-04	2.98E-03	1.36E-04	4.87E-04	7.32E-05	2.26E-04
2091	437729.1	3762703	9.22E-04	3.14E-03	1.43E-04	5.13E-04	7.71E-05	2.38E-04
2092	437732.6	3762711	9.68E-04	3.30E-03	1.50E-04	5.39E-04	8.10E-05	2.50E-04
2093	437546.7	3762540	3.05E-04	1.04E-03	4.74E-05	1.70E-04	2.55E-05	7.88E-05
2094	437537.3	3762540	3.04E-04	1.04E-03	4.72E-05	1.69E-04	2.54E-05	7.85E-05
2095	437528	3762540	3.02E-04	1.03E-03	4.69E-05	1.68E-04	2.53E-05	7.80E-05
2096	437518.6	3762540	2.99E-04	1.02E-03	4.65E-05	1.67E-04	2.51E-05	7.73E-05
2097	437509.2	3762540	2.96E-04	1.01E-03	4.61E-05	1.65E-04	2.48E-05	7.66E-05
2098	437499.8	3762540	2.93E-04	1.00E-03	4.56E-05	1.63E-04	2.45E-05	7.57E-05
2099	437490.4	3762540	2.89E-04	9.87E-04	4.50E-05	1.61E-04	2.42E-05	7.48E-05
2100	437481	3762540	2.85E-04	9.73E-04	4.43E-05	1.59E-04	2.39E-05	7.37E-05
2101	437471.6	3762540	2.81E-04	9.58E-04	4.37E-05	1.57E-04	2.35E-05	7.26E-05
2102	437462.2	3762540	2.76E-04	9.43E-04	4.30E-05	1.54E-04	2.31E-05	7.14E-05
2103	437452.8	3762540	2.72E-04	9.26E-04	4.22E-05	1.51E-04	2.27E-05	7.02E-05
2104	437443.4	3762540	2.67E-04	9.09E-04	4.14E-05	1.49E-04	2.23E-05	6.89E-05
2105	437631.1	3762551	3.23E-04	1.10E-03	5.02E-05	1.80E-04	2.70E-05	8.34E-05
2106	437639.4	3762554	3.28E-04	1.12E-03	5.10E-05	1.83E-04	2.75E-05	8.48E-05
2107	437647.7	3762558	3.33E-04	1.14E-03	5.18E-05	1.86E-04	2.79E-05	8.61E-05
2108	437656	3762561	3.38E-04	1.15E-03	5.25E-05	1.88E-04	2.83E-05	8.73E-05
2109	437672.7	3762568	3.45E-04	1.18E-03	5.36E-05	1.92E-04	2.89E-05	8.92E-05
2110	437681	3762571	3.48E-04	1.19E-03	5.41E-05	1.94E-04	2.91E-05	9.00E-05
2111	437689.3	3762575	3.51E-04	1.20E-03	5.45E-05	1.95E-04	2.93E-05	9.06E-05
2112	437701.1	3762587	3.74E-04	1.27E-03	5.80E-05	2.08E-04	3.13E-05	9.65E-05
2113	437708	3762603	4.20E-04	1.43E-03	6.52E-05	2.34E-04	3.51E-05	1.08E-04
2114	437714.9	3762620	4.72E-04	1.61E-03	7.34E-05	2.63E-04	3.95E-05	1.22E-04
2115	437718.3	3762628	5.01E-04	1.71E-03	7.78E-05	2.79E-04	4.19E-05	1.29E-04
2116	437725.2	3762645	5.63E-04	1.92E-03	8.75E-05	3.14E-04	4.71E-05	1.46E-04
2117	437732.1	3762662	6.31E-04	2.15E-03	9.81E-05	3.52E-04	5.28E-05	1.63E-04
2118	437738.9	3762678	7.04E-04	2.40E-03	1.09E-04	3.92E-04	5.90E-05	1.82E-04
2119	437742.4	3762687	7.42E-04	2.53E-03	1.15E-04	4.13E-04	6.21E-05	1.92E-04
2120	437749.3	3762703	8.17E-04	2.79E-03	1.27E-04	4.55E-04	6.84E-05	2.11E-04
2121	437546.7	3762520	2.54E-04	8.68E-04	3.95E-05	1.42E-04	2.13E-05	6.57E-05
2122	437537.3	3762520	2.53E-04	8.62E-04	3.93E-05	1.41E-04	2.12E-05	6.54E-05
2123	437528	3762520	2.51E-04	8.56E-04	3.90E-05	1.40E-04	2.10E-05	6.49E-05
2124	437518.6	3762520	2.49E-04	8.49E-04	3.87E-05	1.39E-04	2.08E-05	6.43E-05
2125	437509.2	3762520	2.46E-04	8.40E-04	3.83E-05	1.37E-04	2.06E-05	6.37E-05
2126	437499.8	3762520	2.44E-04	8.31E-04	3.78E-05	1.36E-04	2.04E-05	6.29E-05
2127	437490.4	3762520	2.41E-04	8.20E-04	3.74E-05	1.34E-04	2.01E-05	6.22E-05
2128	437481	3762520	2.37E-04	8.09E-04	3.69E-05	1.32E-04	1.99E-05	6.13E-05

2129	437471.6	3762520	2.34E-04	7.98E-04	3.63E-05	1.30E-04	1.96E-05	6.04E-05
2130	437462.2	3762520	2.30E-04	7.85E-04	3.58E-05	1.28E-04	1.93E-05	5.95E-05
2131	437452.8	3762520	2.27E-04	7.73E-04	3.52E-05	1.26E-04	1.90E-05	5.85E-05
2132	437443.4	3762520	2.23E-04	7.59E-04	3.46E-05	1.24E-04	1.86E-05	5.75E-05
2133	437625.3	3762528	2.69E-04	9.19E-04	4.19E-05	1.50E-04	2.25E-05	6.96E-05
2134	437634	3762532	2.75E-04	9.37E-04	4.27E-05	1.53E-04	2.30E-05	7.10E-05
2135	437642.6	3762536	2.80E-04	9.54E-04	4.35E-05	1.56E-04	2.34E-05	7.23E-05
2136	437651.3	3762539	2.84E-04	9.69E-04	4.42E-05	1.58E-04	2.38E-05	7.35E-05
2137	437659.9	3762543	2.88E-04	9.84E-04	4.48E-05	1.61E-04	2.41E-05	7.45E-05
2138	437668.6	3762546	2.92E-04	9.96E-04	4.54E-05	1.63E-04	2.44E-05	7.55E-05
2139	437677.2	3762550	2.95E-04	1.01E-03	4.59E-05	1.65E-04	2.47E-05	7.63E-05
2140	437685.9	3762554	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.50E-05	7.70E-05
2141	437694.5	3762557	3.01E-04	1.02E-03	4.67E-05	1.67E-04	2.52E-05	7.76E-05
2142	437703.2	3762561	3.02E-04	1.03E-03	4.70E-05	1.68E-04	2.53E-05	7.81E-05
2143	437715.4	3762573	3.21E-04	1.10E-03	4.99E-05	1.79E-04	2.69E-05	8.31E-05
2144	437719	3762582	3.40E-04	1.16E-03	5.28E-05	1.89E-04	2.85E-05	8.79E-05
2145	437722.5	3762590	3.60E-04	1.23E-03	5.59E-05	2.01E-04	3.01E-05	9.30E-05
2146	437726.1	3762599	3.81E-04	1.30E-03	5.92E-05	2.12E-04	3.19E-05	9.85E-05
2147	437729.7	3762608	4.03E-04	1.38E-03	6.27E-05	2.25E-04	3.38E-05	1.04E-04
2148	437733.3	3762616	4.27E-04	1.46E-03	6.64E-05	2.38E-04	3.58E-05	1.10E-04
2149	437736.8	3762625	4.52E-04	1.54E-03	7.03E-05	2.52E-04	3.79E-05	1.17E-04
2150	437740.4	3762634	4.79E-04	1.63E-03	7.44E-05	2.67E-04	4.01E-05	1.24E-04
2151	437744	3762642	5.07E-04	1.73E-03	7.87E-05	2.82E-04	4.24E-05	1.31E-04
2152	437747.6	3762651	5.36E-04	1.83E-03	8.32E-05	2.98E-04	4.48E-05	1.38E-04
2153	437751.1	3762659	5.66E-04	1.93E-03	8.79E-05	3.15E-04	4.74E-05	1.46E-04
2154	437754.7	3762668	5.97E-04	2.04E-03	9.28E-05	3.33E-04	5.00E-05	1.54E-04
2155	437758.3	3762677	6.29E-04	2.14E-03	9.77E-05	3.50E-04	5.26E-05	1.62E-04
2156	437761.8	3762685	6.61E-04	2.25E-03	1.03E-04	3.68E-04	5.53E-05	1.71E-04
2157	437765.4	3762694	6.93E-04	2.36E-03	1.08E-04	3.86E-04	5.80E-05	1.79E-04
2158	437546.7	3762500	2.15E-04	7.33E-04	3.34E-05	1.20E-04	1.80E-05	5.55E-05
2159	437537.3	3762500	2.13E-04	7.28E-04	3.32E-05	1.19E-04	1.79E-05	5.52E-05
2160	437528	3762500	2.12E-04	7.22E-04	3.29E-05	1.18E-04	1.77E-05	5.47E-05
2161	437518.6	3762500	2.10E-04	7.15E-04	3.26E-05	1.17E-04	1.76E-05	5.42E-05
2162	437509.2	3762500	2.08E-04	7.08E-04	3.22E-05	1.16E-04	1.74E-05	5.36E-05
2163	437499.8	3762500	2.05E-04	7.00E-04	3.19E-05	1.14E-04	1.72E-05	5.30E-05
2164	437490.4	3762500	2.03E-04	6.91E-04	3.15E-05	1.13E-04	1.70E-05	5.24E-05
2165	437481	3762500	2.00E-04	6.82E-04	3.11E-05	1.11E-04	1.67E-05	5.17E-05
2166	437471.6	3762500	1.97E-04	6.73E-04	3.06E-05	1.10E-04	1.65E-05	5.10E-05
2167	437462.2	3762500	1.94E-04	6.63E-04	3.02E-05	1.08E-04	1.63E-05	5.02E-05
2168	437452.8	3762500	1.91E-04	6.53E-04	2.97E-05	1.07E-04	1.60E-05	4.95E-05
2169	437443.4	3762500	1.88E-04	6.43E-04	2.93E-05	1.05E-04	1.58E-05	4.87E-05
2170	437590.1	3762494	2.08E-04	7.10E-04	3.23E-05	1.16E-04	1.74E-05	5.38E-05
2171	437598.6	3762497	2.14E-04	7.29E-04	3.32E-05	1.19E-04	1.79E-05	5.52E-05
2172	437607.1	3762501	2.19E-04	7.47E-04	3.40E-05	1.22E-04	1.83E-05	5.66E-05
2173	437615.6	3762504	2.24E-04	7.65E-04	3.49E-05	1.25E-04	1.88E-05	5.80E-05
2174	437624.1	3762508	2.29E-04	7.82E-04	3.56E-05	1.28E-04	1.92E-05	5.92E-05
2175	437632.6	3762511	2.34E-04	7.98E-04	3.63E-05	1.30E-04	1.96E-05	6.04E-05
2176	437641	3762515	2.38E-04	8.13E-04	3.70E-05	1.33E-04	2.00E-05	6.16E-05
2177	437649.5	3762518	2.43E-04	8.27E-04	3.77E-05	1.35E-04	2.03E-05	6.27E-05
2178	437658	3762522	2.46E-04	8.40E-04	3.83E-05	1.37E-04	2.06E-05	6.36E-05
2179	437666.5	3762525	2.50E-04	8.52E-04	3.88E-05	1.39E-04	2.09E-05	6.45E-05
2180	437675	3762529	2.53E-04	8.63E-04	3.93E-05	1.41E-04	2.12E-05	6.54E-05

2181	437683.5	3762533	2.56E-04	8.72E-04	3.97E-05	1.42E-04	2.14E-05	6.61E-05
2182	437692	3762536	2.58E-04	8.81E-04	4.01E-05	1.44E-04	2.16E-05	6.67E-05
2183	437700.5	3762540	2.60E-04	8.88E-04	4.05E-05	1.45E-04	2.18E-05	6.73E-05
2184	437709	3762543	2.62E-04	8.94E-04	4.07E-05	1.46E-04	2.19E-05	6.77E-05
2185	437717.5	3762547	2.64E-04	8.99E-04	4.09E-05	1.47E-04	2.21E-05	6.81E-05
2186	437729.5	3762559	2.79E-04	9.50E-04	4.33E-05	1.55E-04	2.33E-05	7.20E-05
2187	437736.5	3762576	3.09E-04	1.05E-03	4.80E-05	1.72E-04	2.59E-05	7.98E-05
2188	437740	3762584	3.25E-04	1.11E-03	5.06E-05	1.81E-04	2.72E-05	8.41E-05
2189	437743.5	3762593	3.43E-04	1.17E-03	5.33E-05	1.91E-04	2.87E-05	8.86E-05
2190	437747	3762601	3.61E-04	1.23E-03	5.62E-05	2.01E-04	3.02E-05	9.34E-05
2191	437750.5	3762610	3.81E-04	1.30E-03	5.92E-05	2.12E-04	3.19E-05	9.85E-05
2192	437754	3762618	4.02E-04	1.37E-03	6.24E-05	2.24E-04	3.36E-05	1.04E-04
2193	437757.5	3762627	4.24E-04	1.44E-03	6.58E-05	2.36E-04	3.55E-05	1.09E-04
2194	437761.1	3762635	4.46E-04	1.52E-03	6.93E-05	2.49E-04	3.74E-05	1.15E-04
2195	437764.6	3762644	4.70E-04	1.60E-03	7.30E-05	2.62E-04	3.93E-05	1.21E-04
2196	437768.1	3762652	4.94E-04	1.69E-03	7.68E-05	2.75E-04	4.14E-05	1.28E-04
2197	437771.6	3762661	5.20E-04	1.77E-03	8.07E-05	2.89E-04	4.35E-05	1.34E-04
2198	437775.1	3762669	5.45E-04	1.86E-03	8.47E-05	3.04E-04	4.57E-05	1.41E-04
2199	437778.6	3762678	5.72E-04	1.95E-03	8.88E-05	3.18E-04	4.78E-05	1.48E-04
2200	437546.7	3762480	1.84E-04	6.26E-04	2.85E-05	1.02E-04	1.54E-05	4.74E-05
2201	437537.3	3762480	1.82E-04	6.21E-04	2.83E-05	1.02E-04	1.53E-05	4.71E-05
2202	437528	3762480	1.81E-04	6.16E-04	2.81E-05	1.01E-04	1.51E-05	4.67E-05
2203	437518.6	3762480	1.79E-04	6.10E-04	2.78E-05	9.97E-05	1.50E-05	4.62E-05
2204	437509.2	3762480	1.77E-04	6.04E-04	2.75E-05	9.86E-05	1.48E-05	4.57E-05
2205	437499.8	3762480	1.75E-04	5.97E-04	2.72E-05	9.75E-05	1.46E-05	4.52E-05
2206	437490.4	3762480	1.73E-04	5.89E-04	2.69E-05	9.63E-05	1.45E-05	4.47E-05
2207	437481	3762480	1.71E-04	5.82E-04	2.65E-05	9.51E-05	1.43E-05	4.41E-05
2208	437471.6	3762480	1.68E-04	5.74E-04	2.62E-05	9.38E-05	1.41E-05	4.35E-05
2209	437462.2	3762480	1.66E-04	5.66E-04	2.58E-05	9.25E-05	1.39E-05	4.29E-05
2210	437452.8	3762480	1.64E-04	5.58E-04	2.54E-05	9.12E-05	1.37E-05	4.23E-05
2211	437443.4	3762480	1.61E-04	5.50E-04	2.51E-05	8.98E-05	1.35E-05	4.17E-05
2212	437589.6	3762474	1.79E-04	6.10E-04	2.78E-05	9.97E-05	1.50E-05	4.62E-05
2213	437597.9	3762477	1.84E-04	6.26E-04	2.85E-05	1.02E-04	1.54E-05	4.75E-05
2214	437606.3	3762481	1.88E-04	6.42E-04	2.92E-05	1.05E-04	1.58E-05	4.86E-05
2215	437614.7	3762484	1.93E-04	6.57E-04	2.99E-05	1.07E-04	1.61E-05	4.98E-05
2216	437623	3762487	1.97E-04	6.72E-04	3.06E-05	1.10E-04	1.65E-05	5.09E-05
2217	437631.4	3762491	2.01E-04	6.86E-04	3.13E-05	1.12E-04	1.68E-05	5.20E-05
2218	437639.8	3762494	2.05E-04	6.99E-04	3.19E-05	1.14E-04	1.72E-05	5.30E-05
2219	437656.5	3762501	2.12E-04	7.23E-04	3.30E-05	1.18E-04	1.78E-05	5.48E-05
2220	437664.8	3762505	2.15E-04	7.34E-04	3.35E-05	1.20E-04	1.80E-05	5.56E-05
2221	437673.2	3762508	2.18E-04	7.44E-04	3.39E-05	1.22E-04	1.83E-05	5.64E-05
2222	437681.6	3762512	2.21E-04	7.54E-04	3.43E-05	1.23E-04	1.85E-05	5.71E-05
2223	437689.9	3762515	2.23E-04	7.62E-04	3.47E-05	1.24E-04	1.87E-05	5.77E-05
2224	437698.3	3762519	2.26E-04	7.69E-04	3.51E-05	1.26E-04	1.89E-05	5.83E-05
2225	437706.7	3762522	2.28E-04	7.76E-04	3.54E-05	1.27E-04	1.90E-05	5.88E-05
2226	437723.4	3762529	2.30E-04	7.86E-04	3.58E-05	1.28E-04	1.93E-05	5.96E-05
2227	437731.8	3762533	2.32E-04	7.90E-04	3.60E-05	1.29E-04	1.94E-05	5.98E-05
2228	437743.6	3762544	2.44E-04	8.31E-04	3.79E-05	1.36E-04	2.04E-05	6.30E-05
2229	437747	3762553	2.56E-04	8.72E-04	3.97E-05	1.42E-04	2.14E-05	6.60E-05
2230	437753.9	3762569	2.81E-04	9.59E-04	4.37E-05	1.57E-04	2.35E-05	7.26E-05
2231	437760.9	3762586	3.10E-04	1.06E-03	4.81E-05	1.72E-04	2.59E-05	8.00E-05
2232	437767.8	3762603	3.41E-04	1.16E-03	5.31E-05	1.90E-04	2.86E-05	8.82E-05

2233	437774.7	3762620	3.77E-04	1.28E-03	5.85E-05	2.10E-04	3.15E-05	9.73E-05
2234	437781.6	3762636	4.15E-04	1.42E-03	6.45E-05	2.31E-04	3.47E-05	1.07E-04
2235	437788.5	3762653	4.56E-04	1.56E-03	7.09E-05	2.54E-04	3.82E-05	1.18E-04
2236	437795.4	3762670	4.99E-04	1.70E-03	7.76E-05	2.78E-04	4.18E-05	1.29E-04
2237	437802.3	3762687	5.43E-04	1.85E-03	8.44E-05	3.03E-04	4.55E-05	1.40E-04
2238	437809.2	3762703	5.87E-04	2.00E-03	9.12E-05	3.27E-04	4.91E-05	1.52E-04
2239	437546.7	3762460	1.58E-04	5.40E-04	2.46E-05	8.83E-05	1.33E-05	4.09E-05
2240	437537.3	3762460	1.57E-04	5.36E-04	2.44E-05	8.76E-05	1.32E-05	4.06E-05
2241	437527.9	3762460	1.56E-04	5.31E-04	2.42E-05	8.68E-05	1.30E-05	4.02E-05
2242	437518.6	3762460	1.54E-04	5.26E-04	2.40E-05	8.59E-05	1.29E-05	3.98E-05
2243	437509.2	3762460	1.53E-04	5.20E-04	2.37E-05	8.50E-05	1.28E-05	3.94E-05
2244	437499.8	3762460	1.51E-04	5.14E-04	2.34E-05	8.40E-05	1.26E-05	3.90E-05
2245	437490.4	3762460	1.49E-04	5.08E-04	2.32E-05	8.30E-05	1.25E-05	3.85E-05
2246	437481	3762460	1.47E-04	5.02E-04	2.29E-05	8.20E-05	1.23E-05	3.80E-05
2247	437471.6	3762460	1.45E-04	4.95E-04	2.26E-05	8.09E-05	1.22E-05	3.75E-05
2248	437462.2	3762460	1.43E-04	4.89E-04	2.23E-05	7.98E-05	1.20E-05	3.70E-05
2249	437452.8	3762460	1.41E-04	4.82E-04	2.20E-05	7.88E-05	1.18E-05	3.65E-05
2250	437443.4	3762460	1.39E-04	4.76E-04	2.17E-05	7.77E-05	1.17E-05	3.60E-05
2251	437582	3762450	1.52E-04	5.18E-04	2.36E-05	8.46E-05	1.27E-05	3.92E-05
2252	437590.6	3762454	1.56E-04	5.32E-04	2.42E-05	8.69E-05	1.31E-05	4.03E-05
2253	437599.2	3762458	1.60E-04	5.46E-04	2.49E-05	8.92E-05	1.34E-05	4.14E-05
2254	437607.8	3762461	1.64E-04	5.60E-04	2.55E-05	9.15E-05	1.37E-05	4.24E-05
2255	437616.4	3762465	1.68E-04	5.74E-04	2.61E-05	9.37E-05	1.41E-05	4.35E-05
2256	437625	3762468	1.72E-04	5.87E-04	2.67E-05	9.58E-05	1.44E-05	4.45E-05
2257	437633.7	3762472	1.76E-04	5.99E-04	2.73E-05	9.79E-05	1.47E-05	4.54E-05
2258	437642.3	3762475	1.79E-04	6.11E-04	2.79E-05	9.99E-05	1.50E-05	4.63E-05
2259	437650.9	3762479	1.83E-04	6.23E-04	2.84E-05	1.02E-04	1.53E-05	4.72E-05
2260	437659.5	3762483	1.86E-04	6.33E-04	2.89E-05	1.03E-04	1.55E-05	4.80E-05
2261	437668.1	3762486	1.89E-04	6.43E-04	2.93E-05	1.05E-04	1.58E-05	4.88E-05
2262	437676.7	3762490	1.91E-04	6.53E-04	2.97E-05	1.07E-04	1.60E-05	4.95E-05
2263	437685.3	3762493	1.94E-04	6.61E-04	3.01E-05	1.08E-04	1.62E-05	5.01E-05
2264	437694	3762497	1.96E-04	6.69E-04	3.05E-05	1.09E-04	1.64E-05	5.07E-05
2265	437702.6	3762500	1.98E-04	6.76E-04	3.08E-05	1.10E-04	1.66E-05	5.12E-05
2266	437711.2	3762504	2.00E-04	6.82E-04	3.11E-05	1.11E-04	1.68E-05	5.17E-05
2267	437719.8	3762508	2.02E-04	6.88E-04	3.13E-05	1.12E-04	1.69E-05	5.21E-05
2268	437728.4	3762511	2.03E-04	6.92E-04	3.16E-05	1.13E-04	1.70E-05	5.25E-05
2269	437737	3762515	2.04E-04	6.96E-04	3.17E-05	1.14E-04	1.71E-05	5.28E-05
2270	437745.7	3762518	2.05E-04	7.00E-04	3.19E-05	1.14E-04	1.72E-05	5.30E-05
2271	437757.8	3762530	2.16E-04	7.35E-04	3.35E-05	1.20E-04	1.80E-05	5.57E-05
2272	437761.4	3762539	2.26E-04	7.70E-04	3.51E-05	1.26E-04	1.89E-05	5.83E-05
2273	437764.9	3762548	2.36E-04	8.06E-04	3.67E-05	1.32E-04	1.98E-05	6.11E-05
2274	437768.5	3762556	2.48E-04	8.44E-04	3.85E-05	1.38E-04	2.07E-05	6.40E-05
2275	437772.1	3762565	2.59E-04	8.84E-04	4.03E-05	1.44E-04	2.17E-05	6.70E-05
2276	437775.6	3762574	2.72E-04	9.27E-04	4.22E-05	1.51E-04	2.27E-05	7.02E-05
2277	437779.2	3762582	2.85E-04	9.71E-04	4.43E-05	1.59E-04	2.38E-05	7.36E-05
2278	437782.7	3762591	2.99E-04	1.02E-03	4.64E-05	1.66E-04	2.50E-05	7.72E-05
2279	437786.3	3762599	3.13E-04	1.07E-03	4.87E-05	1.75E-04	2.62E-05	8.10E-05
2280	437789.9	3762608	3.29E-04	1.12E-03	5.10E-05	1.83E-04	2.75E-05	8.49E-05
2281	437793.4	3762617	3.44E-04	1.17E-03	5.35E-05	1.92E-04	2.88E-05	8.90E-05
2282	437797	3762625	3.61E-04	1.23E-03	5.61E-05	2.01E-04	3.02E-05	9.33E-05
2283	437800.5	3762634	3.78E-04	1.29E-03	5.88E-05	2.11E-04	3.17E-05	9.77E-05
2284	437804.1	3762643	3.96E-04	1.35E-03	6.16E-05	2.21E-04	3.32E-05	1.02E-04

2285	437807.7	3762651	4.15E-04	1.41E-03	6.44E-05	2.31E-04	3.47E-05	1.07E-04
2286	437811.2	3762660	4.34E-04	1.48E-03	6.74E-05	2.42E-04	3.63E-05	1.12E-04
2287	437814.8	3762668	4.53E-04	1.54E-03	7.04E-05	2.52E-04	3.79E-05	1.17E-04
2288	437818.3	3762677	4.72E-04	1.61E-03	7.34E-05	2.63E-04	3.95E-05	1.22E-04
2289	437821.9	3762686	4.92E-04	1.68E-03	7.64E-05	2.74E-04	4.12E-05	1.27E-04
2290	437825.5	3762694	5.11E-04	1.74E-03	7.94E-05	2.85E-04	4.28E-05	1.32E-04
2291	437829	3762703	5.30E-04	1.81E-03	8.23E-05	2.95E-04	4.43E-05	1.37E-04
2292	437832.6	3762712	5.48E-04	1.87E-03	8.52E-05	3.05E-04	4.59E-05	1.42E-04
2293	437546.7	3762440	1.38E-04	4.70E-04	2.14E-05	7.69E-05	1.15E-05	3.56E-05
2294	437537.3	3762440	1.37E-04	4.66E-04	2.13E-05	7.62E-05	1.14E-05	3.53E-05
2295	437527.9	3762440	1.36E-04	4.62E-04	2.11E-05	7.55E-05	1.13E-05	3.50E-05
2296	437518.6	3762440	1.34E-04	4.57E-04	2.08E-05	7.47E-05	1.12E-05	3.47E-05
2297	437509.2	3762440	1.33E-04	4.53E-04	2.06E-05	7.39E-05	1.11E-05	3.43E-05
2298	437499.8	3762440	1.31E-04	4.47E-04	2.04E-05	7.31E-05	1.10E-05	3.39E-05
2299	437490.4	3762440	1.30E-04	4.42E-04	2.01E-05	7.22E-05	1.09E-05	3.35E-05
2300	437481	3762440	1.28E-04	4.37E-04	1.99E-05	7.14E-05	1.07E-05	3.31E-05
2301	437471.6	3762440	1.27E-04	4.31E-04	1.97E-05	7.05E-05	1.06E-05	3.27E-05
2302	437462.2	3762440	1.25E-04	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
2303	437452.8	3762440	1.23E-04	4.20E-04	1.92E-05	6.87E-05	1.03E-05	3.19E-05
2304	437443.4	3762440	1.22E-04	4.15E-04	1.89E-05	6.78E-05	1.02E-05	3.14E-05
2305	437581.6	3762430	1.33E-04	4.53E-04	2.06E-05	7.40E-05	1.11E-05	3.43E-05
2306	437590.1	3762434	1.36E-04	4.65E-04	2.12E-05	7.60E-05	1.14E-05	3.52E-05
2307	437598.6	3762437	1.40E-04	4.77E-04	2.17E-05	7.80E-05	1.17E-05	3.62E-05
2308	437607.1	3762441	1.43E-04	4.89E-04	2.23E-05	7.99E-05	1.20E-05	3.71E-05
2309	437615.6	3762444	1.47E-04	5.01E-04	2.28E-05	8.18E-05	1.23E-05	3.79E-05
2310	437624.1	3762448	1.50E-04	5.12E-04	2.33E-05	8.37E-05	1.26E-05	3.88E-05
2311	437632.5	3762451	1.53E-04	5.23E-04	2.38E-05	8.55E-05	1.28E-05	3.96E-05
2312	437641	3762455	1.57E-04	5.34E-04	2.43E-05	8.72E-05	1.31E-05	4.05E-05
2313	437649.5	3762458	1.60E-04	5.44E-04	2.48E-05	8.89E-05	1.34E-05	4.12E-05
2314	437658	3762462	1.62E-04	5.54E-04	2.52E-05	9.04E-05	1.36E-05	4.20E-05
2315	437666.5	3762465	1.65E-04	5.63E-04	2.56E-05	9.19E-05	1.38E-05	4.26E-05
2316	437675	3762469	1.68E-04	5.71E-04	2.60E-05	9.33E-05	1.40E-05	4.33E-05
2317	437683.5	3762473	1.70E-04	5.79E-04	2.64E-05	9.47E-05	1.42E-05	4.39E-05
2318	437692	3762476	1.72E-04	5.87E-04	2.67E-05	9.59E-05	1.44E-05	4.45E-05
2319	437700.5	3762480	1.74E-04	5.94E-04	2.71E-05	9.70E-05	1.46E-05	4.50E-05
2320	437709	3762483	1.76E-04	6.00E-04	2.73E-05	9.80E-05	1.47E-05	4.55E-05
2321	437717.5	3762487	1.78E-04	6.05E-04	2.76E-05	9.89E-05	1.49E-05	4.59E-05
2322	437726	3762490	1.79E-04	6.10E-04	2.78E-05	9.97E-05	1.50E-05	4.62E-05
2323	437734.5	3762494	1.80E-04	6.15E-04	2.80E-05	1.00E-04	1.51E-05	4.66E-05
2324	437742.9	3762497	1.81E-04	6.18E-04	2.82E-05	1.01E-04	1.52E-05	4.68E-05
2325	437751.4	3762501	1.82E-04	6.21E-04	2.83E-05	1.02E-04	1.53E-05	4.71E-05
2326	437759.9	3762504	1.83E-04	6.24E-04	2.84E-05	1.02E-04	1.53E-05	4.73E-05
2327	437771.9	3762516	1.92E-04	6.53E-04	2.98E-05	1.07E-04	1.60E-05	4.95E-05
2328	437775.4	3762525	2.00E-04	6.82E-04	3.11E-05	1.11E-04	1.67E-05	5.17E-05
2329	437778.9	3762533	2.09E-04	7.12E-04	3.24E-05	1.16E-04	1.75E-05	5.39E-05
2330	437782.5	3762542	2.18E-04	7.43E-04	3.39E-05	1.21E-04	1.82E-05	5.63E-05
2331	437786	3762550	2.28E-04	7.76E-04	3.54E-05	1.27E-04	1.90E-05	5.88E-05
2332	437789.5	3762559	2.38E-04	8.10E-04	3.69E-05	1.32E-04	1.99E-05	6.14E-05
2333	437793	3762567	2.48E-04	8.46E-04	3.86E-05	1.38E-04	2.08E-05	6.41E-05
2334	437796.5	3762576	2.59E-04	8.85E-04	4.03E-05	1.45E-04	2.17E-05	6.70E-05
2335	437800	3762584	2.71E-04	9.25E-04	4.21E-05	1.51E-04	2.27E-05	7.01E-05
2336	437803.5	3762593	2.83E-04	9.67E-04	4.40E-05	1.58E-04	2.37E-05	7.33E-05

2337	437807	3762601	2.96E-04	1.01E-03	4.60E-05	1.65E-04	2.48E-05	7.66E-05
2338	437810.5	3762610	3.10E-04	1.06E-03	4.81E-05	1.73E-04	2.59E-05	8.00E-05
2339	437814	3762618	3.24E-04	1.10E-03	5.03E-05	1.80E-04	2.71E-05	8.36E-05
2340	437817.5	3762627	3.38E-04	1.15E-03	5.25E-05	1.88E-04	2.83E-05	8.73E-05
2341	437821.1	3762635	3.53E-04	1.20E-03	5.48E-05	1.97E-04	2.95E-05	9.12E-05
2342	437824.6	3762644	3.68E-04	1.26E-03	5.72E-05	2.05E-04	3.08E-05	9.52E-05
2343	437828.1	3762652	3.84E-04	1.31E-03	5.97E-05	2.14E-04	3.22E-05	9.93E-05
2344	437831.6	3762661	4.00E-04	1.37E-03	6.22E-05	2.23E-04	3.35E-05	1.03E-04
2345	437835.1	3762669	4.17E-04	1.42E-03	6.48E-05	2.32E-04	3.49E-05	1.08E-04
2346	437838.6	3762678	4.33E-04	1.48E-03	6.73E-05	2.41E-04	3.63E-05	1.12E-04
2347	437842.1	3762686	4.50E-04	1.53E-03	6.99E-05	2.51E-04	3.76E-05	1.16E-04
2348	437845.6	3762695	4.66E-04	1.59E-03	7.24E-05	2.60E-04	3.90E-05	1.20E-04
2349	437849.1	3762703	4.82E-04	1.64E-03	7.49E-05	2.68E-04	4.03E-05	1.24E-04
2350	437852.6	3762712	4.97E-04	1.70E-03	7.73E-05	2.77E-04	4.16E-05	1.29E-04
2351	437546.7	3762420	1.21E-04	4.13E-04	1.88E-05	6.75E-05	1.01E-05	3.13E-05
2352	437537.3	3762420	1.20E-04	4.09E-04	1.86E-05	6.69E-05	1.00E-05	3.10E-05
2353	437527.9	3762420	1.19E-04	4.05E-04	1.85E-05	6.62E-05	9.95E-06	3.07E-05
2354	437518.6	3762420	1.18E-04	4.01E-04	1.83E-05	6.56E-05	9.85E-06	3.04E-05
2355	437509.2	3762420	1.16E-04	3.97E-04	1.81E-05	6.49E-05	9.75E-06	3.01E-05
2356	437499.8	3762420	1.15E-04	3.93E-04	1.79E-05	6.41E-05	9.64E-06	2.98E-05
2357	437490.4	3762420	1.14E-04	3.88E-04	1.77E-05	6.34E-05	9.53E-06	2.94E-05
2358	437481	3762420	1.12E-04	3.83E-04	1.75E-05	6.26E-05	9.41E-06	2.91E-05
2359	437471.6	3762420	1.11E-04	3.79E-04	1.73E-05	6.19E-05	9.30E-06	2.87E-05
2360	437462.2	3762420	1.10E-04	3.74E-04	1.71E-05	6.11E-05	9.19E-06	2.84E-05
2361	437452.8	3762420	1.08E-04	3.70E-04	1.68E-05	6.04E-05	9.07E-06	2.80E-05
2362	437443.4	3762420	1.07E-04	3.65E-04	1.66E-05	5.96E-05	8.96E-06	2.77E-05
2363	437582.1	3762400	1.11E-04	3.77E-04	1.72E-05	6.16E-05	9.26E-06	2.86E-05
2364	437590.7	3762404	1.14E-04	3.87E-04	1.76E-05	6.32E-05	9.50E-06	2.93E-05
2365	437599.4	3762408	1.16E-04	3.97E-04	1.81E-05	6.49E-05	9.75E-06	3.01E-05
2366	437608	3762411	1.19E-04	4.07E-04	1.85E-05	6.65E-05	9.99E-06	3.08E-05
2367	437616.7	3762415	1.22E-04	4.17E-04	1.90E-05	6.81E-05	1.02E-05	3.16E-05
2368	437625.3	3762418	1.25E-04	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
2369	437634	3762422	1.28E-04	4.35E-04	1.98E-05	7.11E-05	1.07E-05	3.30E-05
2370	437642.6	3762426	1.30E-04	4.44E-04	2.03E-05	7.26E-05	1.09E-05	3.37E-05
2371	437651.3	3762429	1.33E-04	4.53E-04	2.06E-05	7.40E-05	1.11E-05	3.43E-05
2372	437659.9	3762433	1.35E-04	4.62E-04	2.10E-05	7.54E-05	1.13E-05	3.50E-05
2373	437668.6	3762436	1.38E-04	4.70E-04	2.14E-05	7.67E-05	1.15E-05	3.56E-05
2374	437677.2	3762440	1.40E-04	4.77E-04	2.17E-05	7.79E-05	1.17E-05	3.62E-05
2375	437685.9	3762444	1.42E-04	4.84E-04	2.21E-05	7.91E-05	1.19E-05	3.67E-05
2376	437694.5	3762447	1.44E-04	4.91E-04	2.24E-05	8.02E-05	1.20E-05	3.72E-05
2377	437703.2	3762451	1.46E-04	4.97E-04	2.27E-05	8.12E-05	1.22E-05	3.77E-05
2378	437711.8	3762454	1.47E-04	5.03E-04	2.29E-05	8.22E-05	1.23E-05	3.81E-05
2379	437720.5	3762458	1.49E-04	5.08E-04	2.32E-05	8.30E-05	1.25E-05	3.85E-05
2380	437729.1	3762461	1.50E-04	5.13E-04	2.34E-05	8.38E-05	1.26E-05	3.89E-05
2381	437737.8	3762465	1.52E-04	5.17E-04	2.36E-05	8.45E-05	1.27E-05	3.92E-05
2382	437746.4	3762469	1.53E-04	5.21E-04	2.37E-05	8.51E-05	1.28E-05	3.95E-05
2383	437755.1	3762472	1.54E-04	5.24E-04	2.39E-05	8.57E-05	1.29E-05	3.97E-05
2384	437763.7	3762476	1.55E-04	5.27E-04	2.40E-05	8.61E-05	1.29E-05	4.00E-05
2385	437772.4	3762479	1.55E-04	5.30E-04	2.41E-05	8.65E-05	1.30E-05	4.01E-05
2386	437781	3762483	1.56E-04	5.32E-04	2.42E-05	8.69E-05	1.31E-05	4.03E-05
2387	437793.2	3762495	1.63E-04	5.55E-04	2.53E-05	9.07E-05	1.36E-05	4.21E-05
2388	437796.8	3762504	1.70E-04	5.78E-04	2.63E-05	9.44E-05	1.42E-05	4.38E-05

2389	437800.4	3762513	1.76E-04	6.02E-04	2.74E-05	9.83E-05	1.48E-05	4.56E-05
2390	437803.9	3762521	1.84E-04	6.26E-04	2.85E-05	1.02E-04	1.54E-05	4.75E-05
2391	437807.5	3762530	1.91E-04	6.52E-04	2.97E-05	1.07E-04	1.60E-05	4.94E-05
2392	437811.1	3762538	1.99E-04	6.79E-04	3.10E-05	1.11E-04	1.67E-05	5.15E-05
2393	437814.7	3762547	2.08E-04	7.08E-04	3.22E-05	1.16E-04	1.74E-05	5.36E-05
2394	437818.2	3762556	2.16E-04	7.38E-04	3.36E-05	1.21E-04	1.81E-05	5.59E-05
2395	437821.8	3762564	2.26E-04	7.69E-04	3.50E-05	1.26E-04	1.89E-05	5.83E-05
2396	437825.4	3762573	2.35E-04	8.02E-04	3.65E-05	1.31E-04	1.97E-05	6.08E-05
2397	437829	3762582	2.45E-04	8.36E-04	3.81E-05	1.37E-04	2.05E-05	6.34E-05
2398	437832.5	3762590	2.56E-04	8.72E-04	3.97E-05	1.42E-04	2.14E-05	6.61E-05
2399	437836.1	3762599	2.67E-04	9.09E-04	4.14E-05	1.49E-04	2.23E-05	6.89E-05
2400	437839.7	3762608	2.78E-04	9.48E-04	4.32E-05	1.55E-04	2.33E-05	7.18E-05
2401	437843.3	3762616	2.90E-04	9.88E-04	4.50E-05	1.61E-04	2.43E-05	7.49E-05
2402	437846.8	3762625	3.02E-04	1.03E-03	4.69E-05	1.68E-04	2.53E-05	7.80E-05
2403	437850.4	3762634	3.14E-04	1.07E-03	4.89E-05	1.75E-04	2.63E-05	8.12E-05
2404	437854	3762642	3.27E-04	1.12E-03	5.08E-05	1.82E-04	2.74E-05	8.45E-05
2405	437857.6	3762651	3.40E-04	1.16E-03	5.29E-05	1.90E-04	2.85E-05	8.79E-05
2406	437861.1	3762660	3.53E-04	1.21E-03	5.49E-05	1.97E-04	2.96E-05	9.13E-05
2407	437864.7	3762668	3.67E-04	1.25E-03	5.70E-05	2.04E-04	3.07E-05	9.48E-05
2408	437868.3	3762677	3.81E-04	1.30E-03	5.91E-05	2.12E-04	3.19E-05	9.83E-05
2409	437871.8	3762686	3.94E-04	1.34E-03	6.12E-05	2.19E-04	3.30E-05	1.02E-04
2410	437875.4	3762694	4.07E-04	1.39E-03	6.33E-05	2.27E-04	3.41E-05	1.05E-04
2411	437879	3762703	4.20E-04	1.43E-03	6.53E-05	2.34E-04	3.52E-05	1.09E-04
2412	437882.6	3762712	4.33E-04	1.48E-03	6.73E-05	2.41E-04	3.63E-05	1.12E-04
2413	437546.7	3762390	1.01E-04	3.44E-04	1.57E-05	5.62E-05	8.45E-06	2.61E-05
2414	437537.3	3762390	1.00E-04	3.41E-04	1.55E-05	5.57E-05	8.37E-06	2.58E-05
2415	437527.9	3762390	9.90E-05	3.38E-04	1.54E-05	5.52E-05	8.29E-06	2.56E-05
2416	437518.6	3762390	9.80E-05	3.34E-04	1.52E-05	5.46E-05	8.21E-06	2.53E-05
2417	437509.2	3762390	9.70E-05	3.31E-04	1.51E-05	5.40E-05	8.12E-06	2.51E-05
2418	437499.8	3762390	9.60E-05	3.27E-04	1.49E-05	5.35E-05	8.03E-06	2.48E-05
2419	437490.4	3762390	9.49E-05	3.24E-04	1.47E-05	5.29E-05	7.94E-06	2.45E-05
2420	437481	3762390	9.38E-05	3.20E-04	1.46E-05	5.23E-05	7.85E-06	2.42E-05
2421	437471.6	3762390	9.27E-05	3.16E-04	1.44E-05	5.16E-05	7.76E-06	2.40E-05
2422	437462.2	3762390	9.16E-05	3.12E-04	1.42E-05	5.10E-05	7.67E-06	2.37E-05
2423	437452.8	3762390	9.06E-05	3.09E-04	1.41E-05	5.05E-05	7.58E-06	2.34E-05
2424	437443.4	3762390	8.95E-05	3.05E-04	1.39E-05	4.99E-05	7.49E-06	2.31E-05
2425	437581.6	3762370	9.31E-05	3.17E-04	1.45E-05	5.19E-05	7.79E-06	2.41E-05
2426	437590.1	3762374	9.54E-05	3.25E-04	1.48E-05	5.32E-05	7.99E-06	2.47E-05
2427	437598.6	3762377	9.78E-05	3.33E-04	1.52E-05	5.45E-05	8.18E-06	2.53E-05
2428	437607.1	3762381	1.00E-04	3.41E-04	1.56E-05	5.58E-05	8.38E-06	2.59E-05
2429	437615.6	3762384	1.02E-04	3.49E-04	1.59E-05	5.71E-05	8.57E-06	2.65E-05
2430	437624.1	3762388	1.05E-04	3.57E-04	1.63E-05	5.83E-05	8.76E-06	2.71E-05
2431	437632.5	3762391	1.07E-04	3.65E-04	1.66E-05	5.96E-05	8.95E-06	2.76E-05
2432	437641	3762395	1.09E-04	3.72E-04	1.70E-05	6.08E-05	9.14E-06	2.82E-05
2433	437649.5	3762398	1.11E-04	3.80E-04	1.73E-05	6.20E-05	9.32E-06	2.88E-05
2434	437658	3762402	1.13E-04	3.87E-04	1.76E-05	6.32E-05	9.49E-06	2.93E-05
2435	437666.5	3762405	1.15E-04	3.94E-04	1.79E-05	6.43E-05	9.66E-06	2.98E-05
2436	437675	3762409	1.17E-04	4.00E-04	1.82E-05	6.54E-05	9.82E-06	3.03E-05
2437	437683.5	3762413	1.19E-04	4.06E-04	1.85E-05	6.64E-05	9.98E-06	3.08E-05
2438	437692	3762416	1.21E-04	4.12E-04	1.88E-05	6.74E-05	1.01E-05	3.12E-05
2439	437700.5	3762420	1.23E-04	4.18E-04	1.90E-05	6.83E-05	1.03E-05	3.17E-05
2440	437709	3762423	1.24E-04	4.23E-04	1.93E-05	6.92E-05	1.04E-05	3.21E-05

2441	437717.5	3762427	1.26E-04	4.28E-04	1.95E-05	7.00E-05	1.05E-05	3.25E-05
2442	437726	3762430	1.27E-04	4.33E-04	1.97E-05	7.07E-05	1.06E-05	3.28E-05
2443	437734.4	3762434	1.28E-04	4.37E-04	1.99E-05	7.14E-05	1.07E-05	3.31E-05
2444	437742.9	3762437	1.29E-04	4.41E-04	2.01E-05	7.21E-05	1.08E-05	3.34E-05
2445	437751.4	3762441	1.30E-04	4.45E-04	2.03E-05	7.26E-05	1.09E-05	3.37E-05
2446	437759.9	3762444	1.31E-04	4.48E-04	2.04E-05	7.32E-05	1.10E-05	3.39E-05
2447	437768.4	3762448	1.32E-04	4.51E-04	2.05E-05	7.36E-05	1.11E-05	3.42E-05
2448	437776.9	3762451	1.33E-04	4.53E-04	2.07E-05	7.40E-05	1.11E-05	3.43E-05
2449	437785.4	3762455	1.34E-04	4.55E-04	2.08E-05	7.44E-05	1.12E-05	3.45E-05
2450	437793.9	3762458	1.34E-04	4.57E-04	2.08E-05	7.47E-05	1.12E-05	3.47E-05
2451	437802.4	3762462	1.35E-04	4.59E-04	2.09E-05	7.50E-05	1.13E-05	3.48E-05
2452	437814.4	3762474	1.40E-04	4.77E-04	2.17E-05	7.80E-05	1.17E-05	3.62E-05
2453	437817.9	3762482	1.45E-04	4.95E-04	2.26E-05	8.09E-05	1.21E-05	3.75E-05
2454	437821.4	3762491	1.51E-04	5.13E-04	2.34E-05	8.38E-05	1.26E-05	3.89E-05
2455	437824.9	3762499	1.56E-04	5.32E-04	2.43E-05	8.70E-05	1.31E-05	4.03E-05
2456	437828.4	3762508	1.62E-04	5.52E-04	2.52E-05	9.02E-05	1.36E-05	4.18E-05
2457	437831.9	3762516	1.68E-04	5.73E-04	2.61E-05	9.36E-05	1.41E-05	4.34E-05
2458	437835.4	3762525	1.74E-04	5.95E-04	2.71E-05	9.71E-05	1.46E-05	4.51E-05
2459	437838.9	3762533	1.81E-04	6.17E-04	2.81E-05	1.01E-04	1.51E-05	4.68E-05
2460	437842.5	3762542	1.88E-04	6.41E-04	2.92E-05	1.05E-04	1.57E-05	4.86E-05
2461	437846	3762550	1.95E-04	6.66E-04	3.03E-05	1.09E-04	1.63E-05	5.05E-05
2462	437849.5	3762559	2.03E-04	6.92E-04	3.15E-05	1.13E-04	1.70E-05	5.24E-05
2463	437853	3762567	2.11E-04	7.19E-04	3.28E-05	1.17E-04	1.77E-05	5.45E-05
2464	437856.5	3762576	2.19E-04	7.47E-04	3.41E-05	1.22E-04	1.83E-05	5.66E-05
2465	437860	3762584	2.28E-04	7.76E-04	3.54E-05	1.27E-04	1.91E-05	5.88E-05
2466	437863.5	3762593	2.37E-04	8.07E-04	3.68E-05	1.32E-04	1.98E-05	6.11E-05
2467	437867	3762601	2.46E-04	8.39E-04	3.82E-05	1.37E-04	2.06E-05	6.35E-05
2468	437870.5	3762610	2.55E-04	8.71E-04	3.97E-05	1.42E-04	2.14E-05	6.60E-05
2469	437874	3762618	2.65E-04	9.04E-04	4.12E-05	1.48E-04	2.22E-05	6.85E-05
2470	437877.5	3762627	2.75E-04	9.39E-04	4.28E-05	1.53E-04	2.30E-05	7.11E-05
2471	437881.1	3762635	2.86E-04	9.74E-04	4.44E-05	1.59E-04	2.39E-05	7.38E-05
2472	437884.6	3762644	2.96E-04	1.01E-03	4.60E-05	1.65E-04	2.48E-05	7.65E-05
2473	437888.1	3762652	3.07E-04	1.05E-03	4.76E-05	1.71E-04	2.57E-05	7.92E-05
2474	437891.6	3762661	3.17E-04	1.08E-03	4.93E-05	1.77E-04	2.66E-05	8.20E-05
2475	437895.1	3762669	3.28E-04	1.12E-03	5.10E-05	1.83E-04	2.75E-05	8.48E-05
2476	437898.6	3762678	3.39E-04	1.16E-03	5.27E-05	1.89E-04	2.84E-05	8.76E-05
2477	437902.1	3762686	3.50E-04	1.19E-03	5.43E-05	1.95E-04	2.93E-05	9.04E-05
2478	437905.6	3762695	3.60E-04	1.23E-03	5.60E-05	2.01E-04	3.02E-05	9.31E-05
2479	437909.1	3762703	3.71E-04	1.26E-03	5.76E-05	2.06E-04	3.10E-05	9.58E-05
2480	437912.6	3762712	3.81E-04	1.30E-03	5.92E-05	2.12E-04	3.19E-05	9.84E-05
2481	437546.7	3762360	8.53E-05	2.91E-04	1.33E-05	4.75E-05	7.14E-06	2.21E-05
2482	437537.3	3762360	8.46E-05	2.88E-04	1.31E-05	4.71E-05	7.08E-06	2.18E-05
2483	437527.9	3762360	8.37E-05	2.86E-04	1.30E-05	4.66E-05	7.01E-06	2.16E-05
2484	437518.5	3762360	8.29E-05	2.83E-04	1.29E-05	4.62E-05	6.94E-06	2.14E-05
2485	437509.2	3762360	8.20E-05	2.80E-04	1.27E-05	4.57E-05	6.87E-06	2.12E-05
2486	437499.8	3762360	8.11E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
2487	437490.4	3762360	8.03E-05	2.74E-04	1.25E-05	4.47E-05	6.72E-06	2.07E-05
2488	437481	3762360	7.94E-05	2.71E-04	1.23E-05	4.42E-05	6.64E-06	2.05E-05
2489	437471.6	3762360	7.85E-05	2.68E-04	1.22E-05	4.37E-05	6.57E-06	2.03E-05
2490	437462.2	3762360	7.76E-05	2.65E-04	1.21E-05	4.33E-05	6.50E-06	2.01E-05
2491	437452.8	3762360	7.68E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.98E-05
2492	437443.4	3762360	7.60E-05	2.59E-04	1.18E-05	4.23E-05	6.36E-06	1.96E-05

2493	437582	3762340	7.96E-05	2.71E-04	1.24E-05	4.43E-05	6.66E-06	2.06E-05
2494	437590.6	3762344	8.15E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.11E-05
2495	437599.2	3762348	8.35E-05	2.85E-04	1.30E-05	4.65E-05	6.99E-06	2.16E-05
2496	437607.9	3762351	8.55E-05	2.91E-04	1.33E-05	4.76E-05	7.15E-06	2.21E-05
2497	437616.5	3762355	8.74E-05	2.98E-04	1.36E-05	4.87E-05	7.32E-06	2.26E-05
2498	437625.1	3762358	8.94E-05	3.05E-04	1.39E-05	4.98E-05	7.48E-06	2.31E-05
2499	437633.7	3762362	9.13E-05	3.11E-04	1.42E-05	5.08E-05	7.64E-06	2.36E-05
2500	437642.4	3762365	9.32E-05	3.18E-04	1.45E-05	5.19E-05	7.80E-06	2.41E-05
2501	437651	3762369	9.50E-05	3.24E-04	1.48E-05	5.29E-05	7.95E-06	2.45E-05
2502	437659.6	3762373	9.68E-05	3.30E-04	1.50E-05	5.39E-05	8.10E-06	2.50E-05
2503	437668.2	3762376	9.86E-05	3.36E-04	1.53E-05	5.49E-05	8.25E-06	2.55E-05
2504	437676.9	3762380	1.00E-04	3.42E-04	1.56E-05	5.58E-05	8.39E-06	2.59E-05
2505	437685.5	3762383	1.02E-04	3.47E-04	1.58E-05	5.68E-05	8.53E-06	2.63E-05
2506	437694.1	3762387	1.03E-04	3.53E-04	1.61E-05	5.76E-05	8.66E-06	2.67E-05
2507	437702.7	3762391	1.05E-04	3.58E-04	1.63E-05	5.85E-05	8.78E-06	2.71E-05
2508	437711.4	3762394	1.06E-04	3.63E-04	1.65E-05	5.92E-05	8.90E-06	2.75E-05
2509	437720	3762398	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.01E-06	2.78E-05
2510	437728.6	3762401	1.09E-04	3.71E-04	1.69E-05	6.07E-05	9.12E-06	2.81E-05
2511	437737.2	3762405	1.10E-04	3.75E-04	1.71E-05	6.13E-05	9.22E-06	2.85E-05
2512	437745.9	3762408	1.11E-04	3.79E-04	1.73E-05	6.19E-05	9.31E-06	2.87E-05
2513	437754.5	3762412	1.12E-04	3.83E-04	1.74E-05	6.25E-05	9.39E-06	2.90E-05
2514	437763.1	3762416	1.13E-04	3.86E-04	1.76E-05	6.30E-05	9.47E-06	2.92E-05
2515	437771.7	3762419	1.14E-04	3.89E-04	1.77E-05	6.35E-05	9.54E-06	2.94E-05
2516	437780.4	3762423	1.15E-04	3.91E-04	1.78E-05	6.39E-05	9.60E-06	2.96E-05
2517	437789	3762426	1.15E-04	3.93E-04	1.79E-05	6.43E-05	9.66E-06	2.98E-05
2518	437797.6	3762430	1.16E-04	3.96E-04	1.80E-05	6.46E-05	9.71E-06	3.00E-05
2519	437806.2	3762433	1.17E-04	3.97E-04	1.81E-05	6.49E-05	9.75E-06	3.01E-05
2520	437814.9	3762437	1.17E-04	3.99E-04	1.82E-05	6.52E-05	9.79E-06	3.02E-05
2521	437823.5	3762441	1.17E-04	4.00E-04	1.82E-05	6.54E-05	9.82E-06	3.03E-05
2522	437835.7	3762453	1.22E-04	4.15E-04	1.89E-05	6.78E-05	1.02E-05	3.15E-05
2523	437839.2	3762461	1.26E-04	4.29E-04	1.96E-05	7.02E-05	1.05E-05	3.25E-05
2524	437842.8	3762470	1.30E-04	4.44E-04	2.03E-05	7.26E-05	1.09E-05	3.37E-05
2525	437846.4	3762479	1.35E-04	4.60E-04	2.10E-05	7.52E-05	1.13E-05	3.49E-05
2526	437849.9	3762487	1.40E-04	4.76E-04	2.17E-05	7.78E-05	1.17E-05	3.61E-05
2527	437853.5	3762496	1.45E-04	4.93E-04	2.25E-05	8.06E-05	1.21E-05	3.74E-05
2528	437857.1	3762505	1.50E-04	5.11E-04	2.33E-05	8.34E-05	1.25E-05	3.87E-05
2529	437860.6	3762513	1.55E-04	5.29E-04	2.41E-05	8.64E-05	1.30E-05	4.01E-05
2530	437864.2	3762522	1.61E-04	5.48E-04	2.50E-05	8.95E-05	1.35E-05	4.15E-05
2531	437867.7	3762530	1.67E-04	5.68E-04	2.59E-05	9.28E-05	1.39E-05	4.30E-05
2532	437871.3	3762539	1.73E-04	5.89E-04	2.68E-05	9.62E-05	1.45E-05	4.46E-05
2533	437874.9	3762548	1.79E-04	6.10E-04	2.78E-05	9.97E-05	1.50E-05	4.63E-05
2534	437878.4	3762556	1.86E-04	6.33E-04	2.88E-05	1.03E-04	1.55E-05	4.80E-05
2535	437882	3762565	1.93E-04	6.57E-04	2.99E-05	1.07E-04	1.61E-05	4.98E-05
2536	437885.6	3762574	2.00E-04	6.81E-04	3.10E-05	1.11E-04	1.67E-05	5.16E-05
2537	437889.1	3762582	2.07E-04	7.07E-04	3.22E-05	1.15E-04	1.73E-05	5.36E-05
2538	437892.7	3762591	2.15E-04	7.33E-04	3.34E-05	1.20E-04	1.80E-05	5.56E-05
2539	437896.3	3762599	2.23E-04	7.61E-04	3.47E-05	1.24E-04	1.87E-05	5.76E-05
2540	437899.8	3762608	2.31E-04	7.89E-04	3.59E-05	1.29E-04	1.94E-05	5.98E-05
2541	437903.4	3762617	2.40E-04	8.17E-04	3.72E-05	1.34E-04	2.01E-05	6.19E-05
2542	437906.9	3762625	2.48E-04	8.47E-04	3.86E-05	1.38E-04	2.08E-05	6.42E-05
2543	437910.5	3762634	2.57E-04	8.77E-04	3.99E-05	1.43E-04	2.15E-05	6.64E-05
2544	437914.1	3762643	2.66E-04	9.07E-04	4.13E-05	1.48E-04	2.23E-05	6.87E-05

2545	437917.6	3762651	2.75E-04	9.38E-04	4.27E-05	1.53E-04	2.30E-05	7.11E-05
2546	437921.2	3762660	2.84E-04	9.68E-04	4.41E-05	1.58E-04	2.38E-05	7.34E-05
2547	437924.8	3762669	2.93E-04	9.99E-04	4.55E-05	1.63E-04	2.45E-05	7.57E-05
2548	437928.3	3762677	3.02E-04	1.03E-03	4.69E-05	1.68E-04	2.53E-05	7.81E-05
2549	437931.9	3762686	3.11E-04	1.06E-03	4.83E-05	1.73E-04	2.60E-05	8.04E-05
2550	437935.5	3762694	3.20E-04	1.09E-03	4.97E-05	1.78E-04	2.68E-05	8.26E-05
2551	437939	3762703	3.28E-04	1.12E-03	5.10E-05	1.83E-04	2.75E-05	8.48E-05
2552	437942.6	3762712	3.37E-04	1.15E-03	5.23E-05	1.88E-04	2.82E-05	8.70E-05
2553	437546.7	3762330	7.31E-05	2.49E-04	1.14E-05	4.07E-05	6.12E-06	1.89E-05
2554	437537.3	3762330	7.24E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
2555	437527.9	3762330	7.17E-05	2.44E-04	1.11E-05	3.99E-05	6.00E-06	1.85E-05
2556	437518.5	3762330	7.10E-05	2.42E-04	1.10E-05	3.95E-05	5.94E-06	1.83E-05
2557	437509.2	3762330	7.02E-05	2.40E-04	1.09E-05	3.91E-05	5.88E-06	1.81E-05
2558	437499.8	3762330	6.95E-05	2.37E-04	1.08E-05	3.87E-05	5.82E-06	1.80E-05
2559	437490.4	3762330	6.88E-05	2.35E-04	1.07E-05	3.83E-05	5.76E-06	1.78E-05
2560	437481	3762330	6.81E-05	2.32E-04	1.06E-05	3.79E-05	5.70E-06	1.76E-05
2561	437471.6	3762330	6.73E-05	2.30E-04	1.05E-05	3.75E-05	5.64E-06	1.74E-05
2562	437462.2	3762330	6.66E-05	2.27E-04	1.04E-05	3.71E-05	5.58E-06	1.72E-05
2563	437452.8	3762330	6.59E-05	2.25E-04	1.02E-05	3.67E-05	5.52E-06	1.70E-05
2564	437443.4	3762330	6.53E-05	2.23E-04	1.01E-05	3.64E-05	5.46E-06	1.69E-05
2565	437581.6	3762310	6.86E-05	2.34E-04	1.07E-05	3.82E-05	5.74E-06	1.77E-05
2566	437590.1	3762314	7.02E-05	2.39E-04	1.09E-05	3.91E-05	5.88E-06	1.81E-05
2567	437598.6	3762317	7.18E-05	2.45E-04	1.12E-05	4.00E-05	6.01E-06	1.86E-05
2568	437607.1	3762321	7.35E-05	2.51E-04	1.14E-05	4.09E-05	6.15E-06	1.90E-05
2569	437615.6	3762324	7.51E-05	2.56E-04	1.17E-05	4.18E-05	6.28E-06	1.94E-05
2570	437624	3762328	7.67E-05	2.62E-04	1.19E-05	4.27E-05	6.42E-06	1.98E-05
2571	437632.5	3762331	7.83E-05	2.67E-04	1.22E-05	4.36E-05	6.55E-06	2.02E-05
2572	437641	3762335	7.99E-05	2.72E-04	1.24E-05	4.45E-05	6.69E-06	2.06E-05
2573	437649.5	3762338	8.14E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.10E-05
2574	437658	3762342	8.30E-05	2.83E-04	1.29E-05	4.62E-05	6.95E-06	2.14E-05
2575	437666.5	3762345	8.45E-05	2.88E-04	1.31E-05	4.71E-05	7.07E-06	2.18E-05
2576	437675	3762349	8.59E-05	2.93E-04	1.34E-05	4.79E-05	7.19E-06	2.22E-05
2577	437683.5	3762353	8.73E-05	2.98E-04	1.36E-05	4.87E-05	7.31E-06	2.26E-05
2578	437692	3762356	8.87E-05	3.03E-04	1.38E-05	4.94E-05	7.43E-06	2.29E-05
2579	437700.5	3762360	9.00E-05	3.07E-04	1.40E-05	5.02E-05	7.54E-06	2.33E-05
2580	437709	3762363	9.13E-05	3.11E-04	1.42E-05	5.09E-05	7.64E-06	2.36E-05
2581	437717.5	3762367	9.25E-05	3.15E-04	1.44E-05	5.15E-05	7.74E-06	2.39E-05
2582	437726	3762370	9.37E-05	3.19E-04	1.46E-05	5.22E-05	7.84E-06	2.42E-05
2583	437734.4	3762374	9.47E-05	3.23E-04	1.47E-05	5.28E-05	7.93E-06	2.45E-05
2584	437742.9	3762377	9.58E-05	3.27E-04	1.49E-05	5.34E-05	8.02E-06	2.47E-05
2585	437751.4	3762381	9.67E-05	3.30E-04	1.50E-05	5.39E-05	8.10E-06	2.50E-05
2586	437759.9	3762384	9.76E-05	3.33E-04	1.52E-05	5.44E-05	8.17E-06	2.52E-05
2587	437768.4	3762388	9.85E-05	3.36E-04	1.53E-05	5.49E-05	8.24E-06	2.54E-05
2588	437776.9	3762391	9.92E-05	3.38E-04	1.54E-05	5.53E-05	8.31E-06	2.56E-05
2589	437785.4	3762395	1.00E-04	3.41E-04	1.55E-05	5.57E-05	8.37E-06	2.58E-05
2590	437793.9	3762398	1.01E-04	3.43E-04	1.56E-05	5.60E-05	8.42E-06	2.60E-05
2591	437802.4	3762402	1.01E-04	3.45E-04	1.57E-05	5.64E-05	8.47E-06	2.62E-05
2592	437810.9	3762405	1.02E-04	3.47E-04	1.58E-05	5.67E-05	8.52E-06	2.63E-05
2593	437819.4	3762409	1.02E-04	3.49E-04	1.59E-05	5.69E-05	8.55E-06	2.64E-05
2594	437827.9	3762412	1.03E-04	3.50E-04	1.59E-05	5.72E-05	8.59E-06	2.65E-05
2595	437836.3	3762416	1.03E-04	3.51E-04	1.60E-05	5.74E-05	8.62E-06	2.66E-05
2596	437844.8	3762419	1.03E-04	3.52E-04	1.60E-05	5.75E-05	8.64E-06	2.67E-05

2597	437856.8	3762431	1.07E-04	3.64E-04	1.66E-05	5.95E-05	8.94E-06	2.76E-05
2598	437860.4	3762440	1.10E-04	3.76E-04	1.71E-05	6.14E-05	9.22E-06	2.85E-05
2599	437863.9	3762448	1.14E-04	3.88E-04	1.77E-05	6.33E-05	9.52E-06	2.94E-05
2600	437867.4	3762457	1.17E-04	4.00E-04	1.82E-05	6.54E-05	9.82E-06	3.03E-05
2601	437870.9	3762465	1.21E-04	4.13E-04	1.88E-05	6.75E-05	1.01E-05	3.13E-05
2602	437874.4	3762474	1.25E-04	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
2603	437877.9	3762482	1.29E-04	4.40E-04	2.01E-05	7.19E-05	1.08E-05	3.34E-05
2604	437881.4	3762491	1.33E-04	4.55E-04	2.07E-05	7.43E-05	1.12E-05	3.44E-05
2605	437884.9	3762499	1.38E-04	4.70E-04	2.14E-05	7.67E-05	1.15E-05	3.56E-05
2606	437888.4	3762508	1.42E-04	4.85E-04	2.21E-05	7.92E-05	1.19E-05	3.68E-05
2607	437891.9	3762516	1.47E-04	5.01E-04	2.28E-05	8.19E-05	1.23E-05	3.80E-05
2608	437895.4	3762525	1.52E-04	5.18E-04	2.36E-05	8.47E-05	1.27E-05	3.93E-05
2609	437898.9	3762533	1.57E-04	5.36E-04	2.44E-05	8.75E-05	1.32E-05	4.06E-05
2610	437902.5	3762542	1.62E-04	5.54E-04	2.52E-05	9.05E-05	1.36E-05	4.20E-05
2611	437906	3762550	1.68E-04	5.73E-04	2.61E-05	9.36E-05	1.41E-05	4.34E-05
2612	437909.5	3762559	1.74E-04	5.93E-04	2.70E-05	9.69E-05	1.46E-05	4.49E-05
2613	437913	3762567	1.80E-04	6.13E-04	2.79E-05	1.00E-04	1.51E-05	4.65E-05
2614	437916.5	3762576	1.86E-04	6.34E-04	2.89E-05	1.04E-04	1.56E-05	4.81E-05
2615	437920	3762584	1.92E-04	6.56E-04	2.99E-05	1.07E-04	1.61E-05	4.97E-05
2616	437923.5	3762593	1.99E-04	6.79E-04	3.09E-05	1.11E-04	1.67E-05	5.15E-05
2617	437930.5	3762610	2.13E-04	7.26E-04	3.31E-05	1.19E-04	1.78E-05	5.50E-05
2618	437934	3762618	2.20E-04	7.51E-04	3.42E-05	1.23E-04	1.84E-05	5.69E-05
2619	437937.5	3762627	2.27E-04	7.75E-04	3.53E-05	1.27E-04	1.90E-05	5.88E-05
2620	437941.1	3762635	2.35E-04	8.01E-04	3.65E-05	1.31E-04	1.97E-05	6.07E-05
2621	437546.7	3762300	6.33E-05	2.16E-04	9.83E-06	3.52E-05	5.29E-06	1.63E-05
2622	437537.3	3762300	6.27E-05	2.14E-04	9.74E-06	3.49E-05	5.25E-06	1.62E-05
2623	437527.9	3762300	6.21E-05	2.12E-04	9.64E-06	3.46E-05	5.20E-06	1.60E-05
2624	437518.5	3762300	6.15E-05	2.10E-04	9.55E-06	3.42E-05	5.14E-06	1.59E-05
2625	437509.2	3762300	6.09E-05	2.08E-04	9.46E-06	3.39E-05	5.09E-06	1.57E-05
2626	437499.8	3762300	6.02E-05	2.05E-04	9.36E-06	3.36E-05	5.04E-06	1.56E-05
2627	437490.4	3762300	5.96E-05	2.03E-04	9.26E-06	3.32E-05	4.99E-06	1.54E-05
2628	437481	3762300	5.90E-05	2.01E-04	9.17E-06	3.29E-05	4.94E-06	1.52E-05
2629	437471.6	3762300	5.84E-05	1.99E-04	9.08E-06	3.25E-05	4.89E-06	1.51E-05
2630	437462.2	3762300	5.78E-05	1.97E-04	8.98E-06	3.22E-05	4.84E-06	1.49E-05
2631	437452.8	3762300	5.72E-05	1.95E-04	8.89E-06	3.19E-05	4.79E-06	1.48E-05
2632	437443.4	3762300	5.67E-05	1.93E-04	8.81E-06	3.16E-05	4.74E-06	1.46E-05
2633	437581.9	3762280	5.99E-05	2.04E-04	9.30E-06	3.33E-05	5.01E-06	1.55E-05
2634	437590.5	3762284	6.12E-05	2.09E-04	9.52E-06	3.41E-05	5.13E-06	1.58E-05
2635	437599.1	3762288	6.26E-05	2.14E-04	9.73E-06	3.49E-05	5.24E-06	1.62E-05
2636	437607.7	3762291	6.40E-05	2.18E-04	9.95E-06	3.57E-05	5.36E-06	1.65E-05
2637	437616.4	3762295	6.54E-05	2.23E-04	1.02E-05	3.65E-05	5.48E-06	1.69E-05
2638	437625	3762298	6.68E-05	2.28E-04	1.04E-05	3.72E-05	5.59E-06	1.73E-05
2639	437633.6	3762302	6.82E-05	2.33E-04	1.06E-05	3.80E-05	5.71E-06	1.76E-05
2640	437642.2	3762305	6.96E-05	2.37E-04	1.08E-05	3.88E-05	5.82E-06	1.80E-05
2641	437650.8	3762309	7.09E-05	2.42E-04	1.10E-05	3.95E-05	5.94E-06	1.83E-05
2642	437659.4	3762313	7.23E-05	2.46E-04	1.12E-05	4.03E-05	6.05E-06	1.87E-05
2643	437668	3762316	7.36E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
2644	437676.6	3762320	7.48E-05	2.55E-04	1.16E-05	4.17E-05	6.27E-06	1.93E-05
2645	437685.2	3762323	7.61E-05	2.60E-04	1.18E-05	4.24E-05	6.37E-06	1.97E-05
2646	437693.8	3762327	7.73E-05	2.64E-04	1.20E-05	4.31E-05	6.47E-06	2.00E-05
2647	437702.4	3762330	7.85E-05	2.68E-04	1.22E-05	4.37E-05	6.57E-06	2.03E-05
2648	437711	3762334	7.96E-05	2.72E-04	1.24E-05	4.44E-05	6.67E-06	2.06E-05

2649	437719.6	3762338	8.07E-05	2.75E-04	1.25E-05	4.50E-05	6.76E-06	2.09E-05
2650	437728.2	3762341	8.18E-05	2.79E-04	1.27E-05	4.55E-05	6.84E-06	2.11E-05
2651	437736.9	3762345	8.28E-05	2.82E-04	1.29E-05	4.61E-05	6.93E-06	2.14E-05
2652	437745.5	3762348	8.37E-05	2.85E-04	1.30E-05	4.66E-05	7.01E-06	2.16E-05
2653	437754.1	3762352	8.46E-05	2.89E-04	1.31E-05	4.71E-05	7.08E-06	2.19E-05
2654	437762.7	3762355	8.54E-05	2.91E-04	1.33E-05	4.76E-05	7.15E-06	2.21E-05
2655	437771.3	3762359	8.62E-05	2.94E-04	1.34E-05	4.80E-05	7.22E-06	2.23E-05
2656	437779.9	3762362	8.70E-05	2.97E-04	1.35E-05	4.84E-05	7.28E-06	2.25E-05
2657	437788.5	3762366	8.77E-05	2.99E-04	1.36E-05	4.88E-05	7.34E-06	2.27E-05
2658	437797.1	3762370	8.83E-05	3.01E-04	1.37E-05	4.92E-05	7.39E-06	2.28E-05
2659	437805.7	3762373	8.89E-05	3.03E-04	1.38E-05	4.95E-05	7.44E-06	2.30E-05
2660	437814.3	3762377	8.94E-05	3.05E-04	1.39E-05	4.98E-05	7.49E-06	2.31E-05
2661	437822.9	3762380	8.99E-05	3.07E-04	1.40E-05	5.01E-05	7.53E-06	2.32E-05
2662	437831.5	3762384	9.04E-05	3.08E-04	1.40E-05	5.03E-05	7.56E-06	2.33E-05
2663	437840.1	3762387	9.07E-05	3.09E-04	1.41E-05	5.06E-05	7.60E-06	2.34E-05
2664	437848.7	3762391	9.11E-05	3.11E-04	1.42E-05	5.07E-05	7.62E-06	2.35E-05
2665	437857.3	3762395	9.14E-05	3.12E-04	1.42E-05	5.09E-05	7.65E-06	2.36E-05
2666	437866	3762398	9.16E-05	3.12E-04	1.42E-05	5.10E-05	7.67E-06	2.37E-05
2667	437878.1	3762410	9.46E-05	3.23E-04	1.47E-05	5.27E-05	7.92E-06	2.44E-05
2668	437881.7	3762419	9.74E-05	3.32E-04	1.51E-05	5.43E-05	8.15E-06	2.52E-05
2669	437885.2	3762428	1.00E-04	3.42E-04	1.56E-05	5.59E-05	8.40E-06	2.59E-05
2670	437888.8	3762436	1.03E-04	3.53E-04	1.61E-05	5.76E-05	8.65E-06	2.67E-05
2671	437892.3	3762445	1.07E-04	3.63E-04	1.66E-05	5.93E-05	8.92E-06	2.75E-05
2672	437895.9	3762453	1.10E-04	3.74E-04	1.71E-05	6.12E-05	9.19E-06	2.84E-05
2673	437899.5	3762462	1.13E-04	3.86E-04	1.76E-05	6.30E-05	9.47E-06	2.92E-05
2674	437903	3762471	1.17E-04	3.98E-04	1.81E-05	6.50E-05	9.76E-06	3.01E-05
2675	437906.6	3762479	1.20E-04	4.10E-04	1.87E-05	6.70E-05	1.01E-05	3.11E-05
2676	437910.1	3762488	1.24E-04	4.23E-04	1.93E-05	6.91E-05	1.04E-05	3.20E-05
2677	437913.7	3762496	1.28E-04	4.36E-04	1.99E-05	7.13E-05	1.07E-05	3.31E-05
2678	437917.2	3762505	1.32E-04	4.50E-04	2.05E-05	7.35E-05	1.10E-05	3.41E-05
2679	437920.8	3762514	1.36E-04	4.64E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
2680	437924.3	3762522	1.41E-04	4.79E-04	2.18E-05	7.83E-05	1.18E-05	3.63E-05
2681	437927.9	3762531	1.45E-04	4.95E-04	2.26E-05	8.09E-05	1.22E-05	3.75E-05
2682	437931.5	3762540	1.50E-04	5.11E-04	2.33E-05	8.35E-05	1.25E-05	3.87E-05
2683	437935	3762548	1.55E-04	5.28E-04	2.40E-05	8.62E-05	1.30E-05	4.00E-05
2684	437938.6	3762557	1.60E-04	5.45E-04	2.48E-05	8.90E-05	1.34E-05	4.13E-05
2685	437995.5	3762695	2.57E-04	8.77E-04	4.00E-05	1.43E-04	2.15E-05	6.64E-05
2686	437999	3762703	2.63E-04	8.97E-04	4.09E-05	1.47E-04	2.20E-05	6.80E-05
2687	438002.6	3762712	2.69E-04	9.16E-04	4.18E-05	1.50E-04	2.25E-05	6.94E-05
2688	437546.7	3762270	5.53E-05	1.89E-04	8.59E-06	3.08E-05	4.63E-06	1.43E-05
2689	437537.3	3762270	5.48E-05	1.87E-04	8.52E-06	3.05E-05	4.59E-06	1.42E-05
2690	437527.9	3762270	5.43E-05	1.85E-04	8.44E-06	3.03E-05	4.55E-06	1.40E-05
2691	437518.5	3762270	5.38E-05	1.83E-04	8.36E-06	3.00E-05	4.50E-06	1.39E-05
2692	437509.2	3762270	5.33E-05	1.82E-04	8.28E-06	2.97E-05	4.46E-06	1.38E-05
2693	437499.8	3762270	5.27E-05	1.80E-04	8.19E-06	2.94E-05	4.41E-06	1.36E-05
2694	437490.4	3762270	5.22E-05	1.78E-04	8.11E-06	2.91E-05	4.37E-06	1.35E-05
2695	437481	3762270	5.17E-05	1.76E-04	8.03E-06	2.88E-05	4.33E-06	1.34E-05
2696	437471.6	3762270	5.12E-05	1.75E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
2697	437462.2	3762270	5.07E-05	1.73E-04	7.88E-06	2.82E-05	4.24E-06	1.31E-05
2698	437452.8	3762270	5.02E-05	1.71E-04	7.80E-06	2.80E-05	4.20E-06	1.30E-05
2699	437443.4	3762270	4.97E-05	1.70E-04	7.73E-06	2.77E-05	4.16E-06	1.29E-05
2700	437649.5	3762278	6.20E-05	2.11E-04	9.63E-06	3.45E-05	5.19E-06	1.60E-05

2701	437658	3762282	6.31E-05	2.15E-04	9.81E-06	3.52E-05	5.28E-06	1.63E-05
2702	437666.5	3762285	6.42E-05	2.19E-04	9.98E-06	3.58E-05	5.38E-06	1.66E-05
2703	437675	3762289	6.54E-05	2.23E-04	1.02E-05	3.64E-05	5.47E-06	1.69E-05
2704	437683.5	3762293	6.64E-05	2.27E-04	1.03E-05	3.70E-05	5.56E-06	1.72E-05
2705	437692	3762296	6.75E-05	2.30E-04	1.05E-05	3.76E-05	5.65E-06	1.74E-05
2706	437700.5	3762300	6.85E-05	2.34E-04	1.06E-05	3.82E-05	5.74E-06	1.77E-05
2707	437709	3762303	6.95E-05	2.37E-04	1.08E-05	3.87E-05	5.82E-06	1.80E-05
2708	437717.5	3762307	7.05E-05	2.40E-04	1.10E-05	3.93E-05	5.90E-06	1.82E-05
2709	437725.9	3762310	7.15E-05	2.44E-04	1.11E-05	3.98E-05	5.98E-06	1.85E-05
2710	437734.4	3762314	7.24E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
2711	437742.9	3762317	7.32E-05	2.50E-04	1.14E-05	4.08E-05	6.13E-06	1.89E-05
2712	437751.4	3762321	7.41E-05	2.53E-04	1.15E-05	4.13E-05	6.20E-06	1.91E-05
2713	437759.9	3762324	7.49E-05	2.55E-04	1.16E-05	4.17E-05	6.27E-06	1.93E-05
2714	437768.4	3762328	7.56E-05	2.58E-04	1.17E-05	4.21E-05	6.33E-06	1.95E-05
2715	437776.9	3762331	7.63E-05	2.60E-04	1.19E-05	4.25E-05	6.39E-06	1.97E-05
2716	437785.4	3762335	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.44E-06	1.99E-05
2717	437793.9	3762338	7.76E-05	2.65E-04	1.21E-05	4.32E-05	6.50E-06	2.01E-05
2718	437802.4	3762342	7.82E-05	2.67E-04	1.22E-05	4.36E-05	6.55E-06	2.02E-05
2719	437810.9	3762345	7.88E-05	2.69E-04	1.22E-05	4.39E-05	6.59E-06	2.04E-05
2720	437819.4	3762349	7.93E-05	2.70E-04	1.23E-05	4.42E-05	6.64E-06	2.05E-05
2721	437827.9	3762352	7.97E-05	2.72E-04	1.24E-05	4.44E-05	6.68E-06	2.06E-05
2722	437836.3	3762356	8.02E-05	2.73E-04	1.25E-05	4.47E-05	6.71E-06	2.07E-05
2723	437844.8	3762359	8.06E-05	2.75E-04	1.25E-05	4.49E-05	6.74E-06	2.08E-05
2724	437853.3	3762363	8.09E-05	2.76E-04	1.26E-05	4.51E-05	6.77E-06	2.09E-05
2725	437861.8	3762366	8.12E-05	2.77E-04	1.26E-05	4.53E-05	6.80E-06	2.10E-05
2726	437870.3	3762370	8.15E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.11E-05
2727	437878.8	3762374	8.17E-05	2.79E-04	1.27E-05	4.55E-05	6.84E-06	2.11E-05
2728	437887.3	3762377	8.19E-05	2.79E-04	1.27E-05	4.56E-05	6.86E-06	2.12E-05
2729	437899.3	3762389	8.44E-05	2.88E-04	1.31E-05	4.70E-05	7.06E-06	2.18E-05
2730	437902.8	3762398	8.67E-05	2.96E-04	1.35E-05	4.83E-05	7.26E-06	2.24E-05
2731	437906.3	3762406	8.91E-05	3.04E-04	1.38E-05	4.96E-05	7.46E-06	2.30E-05
2732	437909.8	3762415	9.16E-05	3.12E-04	1.42E-05	5.10E-05	7.67E-06	2.37E-05
2733	437913.3	3762423	9.42E-05	3.21E-04	1.46E-05	5.25E-05	7.88E-06	2.43E-05
2734	437916.8	3762432	9.68E-05	3.30E-04	1.50E-05	5.39E-05	8.10E-06	2.50E-05
2735	437920.4	3762440	9.95E-05	3.39E-04	1.55E-05	5.54E-05	8.33E-06	2.57E-05
2736	437923.9	3762449	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.64E-05
2737	437927.4	3762457	1.05E-04	3.59E-04	1.64E-05	5.86E-05	8.81E-06	2.72E-05
2738	437930.9	3762466	1.08E-04	3.69E-04	1.68E-05	6.03E-05	9.06E-06	2.80E-05
2739	437934.4	3762474	1.11E-04	3.80E-04	1.73E-05	6.21E-05	9.33E-06	2.88E-05
2740	437937.9	3762483	1.15E-04	3.91E-04	1.78E-05	6.39E-05	9.60E-06	2.96E-05
2741	437941.4	3762491	1.18E-04	4.02E-04	1.83E-05	6.57E-05	9.88E-06	3.05E-05
2742	437944.9	3762500	1.22E-04	4.14E-04	1.89E-05	6.77E-05	1.02E-05	3.14E-05
2743	437994	3762618	1.85E-04	6.31E-04	2.87E-05	1.03E-04	1.55E-05	4.78E-05
2744	437997.5	3762627	1.90E-04	6.49E-04	2.96E-05	1.06E-04	1.59E-05	4.92E-05
2745	438001.1	3762635	1.96E-04	6.67E-04	3.04E-05	1.09E-04	1.64E-05	5.06E-05
2746	438004.6	3762644	2.01E-04	6.86E-04	3.12E-05	1.12E-04	1.68E-05	5.20E-05
2747	438008.1	3762652	2.06E-04	7.04E-04	3.21E-05	1.15E-04	1.73E-05	5.33E-05
2748	438011.6	3762661	2.12E-04	7.22E-04	3.29E-05	1.18E-04	1.77E-05	5.47E-05
2749	438015.1	3762669	2.17E-04	7.40E-04	3.37E-05	1.21E-04	1.82E-05	5.61E-05
2750	438018.6	3762678	2.22E-04	7.58E-04	3.45E-05	1.24E-04	1.86E-05	5.75E-05
2751	438022.1	3762686	2.28E-04	7.76E-04	3.53E-05	1.27E-04	1.90E-05	5.88E-05
2752	438025.6	3762695	2.33E-04	7.93E-04	3.61E-05	1.30E-04	1.95E-05	6.01E-05

2753	438029.1	3762703	2.37E-04	8.10E-04	3.69E-05	1.32E-04	1.99E-05	6.13E-05
2754	438032.6	3762712	2.42E-04	8.26E-04	3.76E-05	1.35E-04	2.03E-05	6.26E-05
2755	437546.7	3762240	4.88E-05	1.67E-04	7.59E-06	2.72E-05	4.09E-06	1.26E-05
2756	437537.3	3762240	4.84E-05	1.65E-04	7.52E-06	2.70E-05	4.05E-06	1.25E-05
2757	437527.9	3762240	4.79E-05	1.63E-04	7.45E-06	2.67E-05	4.01E-06	1.24E-05
2758	437518.5	3762240	4.75E-05	1.62E-04	7.38E-06	2.65E-05	3.98E-06	1.23E-05
2759	437509.1	3762240	4.70E-05	1.60E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
2760	437499.8	3762240	4.66E-05	1.59E-04	7.24E-06	2.60E-05	3.90E-06	1.20E-05
2761	437490.4	3762240	4.61E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
2762	437481	3762240	4.57E-05	1.56E-04	7.10E-06	2.55E-05	3.83E-06	1.18E-05
2763	437471.6	3762240	4.53E-05	1.54E-04	7.03E-06	2.52E-05	3.79E-06	1.17E-05
2764	437462.2	3762240	4.48E-05	1.53E-04	6.97E-06	2.50E-05	3.75E-06	1.16E-05
2765	437452.8	3762240	4.44E-05	1.52E-04	6.90E-06	2.48E-05	3.72E-06	1.15E-05
2766	437443.4	3762240	4.40E-05	1.50E-04	6.84E-06	2.45E-05	3.69E-06	1.14E-05
2767	437719.4	3762277	6.25E-05	2.13E-04	9.70E-06	3.48E-05	5.23E-06	1.61E-05
2768	437728	3762281	6.33E-05	2.16E-04	9.84E-06	3.53E-05	5.30E-06	1.64E-05
2769	437736.6	3762285	6.41E-05	2.19E-04	9.96E-06	3.57E-05	5.37E-06	1.66E-05
2770	437745.2	3762288	6.49E-05	2.21E-04	1.01E-05	3.62E-05	5.43E-06	1.68E-05
2771	437753.7	3762292	6.57E-05	2.24E-04	1.02E-05	3.66E-05	5.50E-06	1.70E-05
2772	437762.3	3762295	6.64E-05	2.27E-04	1.03E-05	3.70E-05	5.56E-06	1.72E-05
2773	437770.9	3762299	6.71E-05	2.29E-04	1.04E-05	3.74E-05	5.62E-06	1.73E-05
2774	437779.5	3762302	6.78E-05	2.31E-04	1.05E-05	3.78E-05	5.67E-06	1.75E-05
2775	437788.1	3762306	6.84E-05	2.33E-04	1.06E-05	3.81E-05	5.73E-06	1.77E-05
2776	437796.7	3762309	6.90E-05	2.35E-04	1.07E-05	3.85E-05	5.78E-06	1.78E-05
2777	437805.3	3762313	6.96E-05	2.37E-04	1.08E-05	3.88E-05	5.83E-06	1.80E-05
2778	437813.9	3762317	7.01E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
2779	437822.5	3762320	7.06E-05	2.41E-04	1.10E-05	3.93E-05	5.91E-06	1.82E-05
2780	437831.1	3762324	7.11E-05	2.42E-04	1.10E-05	3.96E-05	5.95E-06	1.84E-05
2781	437839.7	3762327	7.15E-05	2.44E-04	1.11E-05	3.98E-05	5.99E-06	1.85E-05
2782	437848.3	3762331	7.19E-05	2.45E-04	1.12E-05	4.01E-05	6.02E-06	1.86E-05
2783	437856.9	3762334	7.23E-05	2.47E-04	1.12E-05	4.03E-05	6.05E-06	1.87E-05
2784	437865.5	3762338	7.26E-05	2.48E-04	1.13E-05	4.05E-05	6.08E-06	1.88E-05
2785	437874	3762342	7.29E-05	2.49E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
2786	437882.6	3762345	7.32E-05	2.50E-04	1.14E-05	4.08E-05	6.12E-06	1.89E-05
2787	437891.2	3762349	7.34E-05	2.50E-04	1.14E-05	4.09E-05	6.14E-06	1.90E-05
2788	437899.8	3762352	7.36E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
2789	437908.4	3762356	7.38E-05	2.52E-04	1.15E-05	4.11E-05	6.18E-06	1.91E-05
2790	437920.6	3762368	7.59E-05	2.59E-04	1.18E-05	4.23E-05	6.35E-06	1.96E-05
2791	437924.1	3762377	7.78E-05	2.65E-04	1.21E-05	4.34E-05	6.52E-06	2.01E-05
2792	437927.7	3762385	7.99E-05	2.72E-04	1.24E-05	4.45E-05	6.69E-06	2.06E-05
2793	437931.2	3762394	8.20E-05	2.80E-04	1.27E-05	4.57E-05	6.86E-06	2.12E-05
2794	437934.8	3762402	8.42E-05	2.87E-04	1.31E-05	4.69E-05	7.05E-06	2.17E-05
2795	437938.3	3762411	8.64E-05	2.95E-04	1.34E-05	4.81E-05	7.23E-06	2.23E-05
2796	437941.9	3762420	8.87E-05	3.02E-04	1.38E-05	4.94E-05	7.42E-06	2.29E-05
2797	437945.4	3762428	9.11E-05	3.11E-04	1.42E-05	5.07E-05	7.62E-06	2.35E-05
2798	437949	3762437	9.35E-05	3.19E-04	1.45E-05	5.21E-05	7.83E-06	2.42E-05
2799	437952.5	3762445	9.61E-05	3.28E-04	1.49E-05	5.35E-05	8.04E-06	2.48E-05
2800	437956.1	3762454	9.87E-05	3.37E-04	1.53E-05	5.50E-05	8.26E-06	2.55E-05
2801	438005.8	3762574	1.47E-04	5.02E-04	2.29E-05	8.20E-05	1.23E-05	3.80E-05
2802	438009.3	3762583	1.51E-04	5.17E-04	2.35E-05	8.44E-05	1.27E-05	3.91E-05
2803	438012.9	3762591	1.56E-04	5.32E-04	2.42E-05	8.69E-05	1.31E-05	4.03E-05
2804	438016.4	3762600	1.60E-04	5.47E-04	2.49E-05	8.94E-05	1.34E-05	4.15E-05

2805	438020	3762609	1.65E-04	5.63E-04	2.56E-05	9.19E-05	1.38E-05	4.26E-05
2806	438023.5	3762617	1.70E-04	5.78E-04	2.64E-05	9.45E-05	1.42E-05	4.38E-05
2807	438027.1	3762626	1.74E-04	5.94E-04	2.71E-05	9.71E-05	1.46E-05	4.50E-05
2808	438030.6	3762634	1.79E-04	6.10E-04	2.78E-05	9.97E-05	1.50E-05	4.62E-05
2809	438034.2	3762643	1.84E-04	6.26E-04	2.85E-05	1.02E-04	1.54E-05	4.74E-05
2810	438037.7	3762652	1.88E-04	6.42E-04	2.93E-05	1.05E-04	1.58E-05	4.87E-05
2811	438041.3	3762660	1.93E-04	6.58E-04	3.00E-05	1.07E-04	1.61E-05	4.99E-05
2812	438044.8	3762669	1.98E-04	6.74E-04	3.07E-05	1.10E-04	1.65E-05	5.10E-05
2813	438048.4	3762677	2.02E-04	6.89E-04	3.14E-05	1.13E-04	1.69E-05	5.22E-05
2814	438051.9	3762686	2.07E-04	7.04E-04	3.21E-05	1.15E-04	1.73E-05	5.34E-05
2815	438055.5	3762695	2.11E-04	7.19E-04	3.28E-05	1.17E-04	1.77E-05	5.45E-05
2816	438059	3762703	2.15E-04	7.34E-04	3.34E-05	1.20E-04	1.80E-05	5.56E-05
2817	438062.6	3762712	2.19E-04	7.47E-04	3.41E-05	1.22E-04	1.83E-05	5.66E-05
2818	437546.7	3762210	4.35E-05	1.48E-04	6.76E-06	2.42E-05	3.64E-06	1.12E-05
2819	437537.3	3762210	4.31E-05	1.47E-04	6.69E-06	2.40E-05	3.61E-06	1.11E-05
2820	437527.9	3762210	4.27E-05	1.46E-04	6.63E-06	2.38E-05	3.57E-06	1.10E-05
2821	437518.5	3762210	4.23E-05	1.44E-04	6.57E-06	2.35E-05	3.54E-06	1.09E-05
2822	437509.1	3762210	4.19E-05	1.43E-04	6.51E-06	2.33E-05	3.51E-06	1.08E-05
2823	437499.8	3762210	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.47E-06	1.07E-05
2824	437490.4	3762210	4.11E-05	1.40E-04	6.39E-06	2.29E-05	3.44E-06	1.06E-05
2825	437481	3762210	4.07E-05	1.39E-04	6.33E-06	2.27E-05	3.41E-06	1.05E-05
2826	437471.6	3762210	4.04E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
2827	437462.2	3762210	4.00E-05	1.36E-04	6.21E-06	2.23E-05	3.35E-06	1.03E-05
2828	437452.8	3762210	3.96E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.02E-05
2829	437443.4	3762210	3.93E-05	1.34E-04	6.11E-06	2.19E-05	3.29E-06	1.02E-05
2830	437793.9	3762278	6.14E-05	2.09E-04	9.54E-06	3.42E-05	5.14E-06	1.59E-05
2831	437802.4	3762282	6.19E-05	2.11E-04	9.63E-06	3.45E-05	5.19E-06	1.60E-05
2832	437810.9	3762285	6.25E-05	2.13E-04	9.71E-06	3.48E-05	5.23E-06	1.61E-05
2833	437819.4	3762289	6.30E-05	2.15E-04	9.78E-06	3.51E-05	5.27E-06	1.63E-05
2834	437827.8	3762292	6.34E-05	2.16E-04	9.85E-06	3.53E-05	5.31E-06	1.64E-05
2835	437836.3	3762296	6.39E-05	2.18E-04	9.92E-06	3.56E-05	5.34E-06	1.65E-05
2836	437844.8	3762299	6.43E-05	2.19E-04	9.98E-06	3.58E-05	5.38E-06	1.66E-05
2837	437853.3	3762303	6.46E-05	2.20E-04	1.00E-05	3.60E-05	5.41E-06	1.67E-05
2838	437861.8	3762306	6.50E-05	2.22E-04	1.01E-05	3.62E-05	5.44E-06	1.68E-05
2839	437870.3	3762310	6.53E-05	2.23E-04	1.01E-05	3.64E-05	5.47E-06	1.69E-05
2840	437878.8	3762314	6.56E-05	2.24E-04	1.02E-05	3.66E-05	5.49E-06	1.70E-05
2841	437887.3	3762317	6.59E-05	2.25E-04	1.02E-05	3.67E-05	5.52E-06	1.70E-05
2842	437895.8	3762321	6.61E-05	2.26E-04	1.03E-05	3.68E-05	5.54E-06	1.71E-05
2843	437904.3	3762324	6.64E-05	2.26E-04	1.03E-05	3.70E-05	5.55E-06	1.71E-05
2844	437912.8	3762328	6.65E-05	2.27E-04	1.03E-05	3.71E-05	5.57E-06	1.72E-05
2845	437921.3	3762331	6.67E-05	2.28E-04	1.04E-05	3.72E-05	5.58E-06	1.72E-05
2846	437929.8	3762335	6.69E-05	2.28E-04	1.04E-05	3.72E-05	5.60E-06	1.73E-05
2847	437941.8	3762347	6.86E-05	2.34E-04	1.07E-05	3.82E-05	5.74E-06	1.77E-05
2848	437945.3	3762355	7.03E-05	2.40E-04	1.09E-05	3.92E-05	5.88E-06	1.82E-05
2849	437948.8	3762364	7.20E-05	2.45E-04	1.12E-05	4.01E-05	6.03E-06	1.86E-05
2850	437952.3	3762372	7.38E-05	2.51E-04	1.15E-05	4.11E-05	6.17E-06	1.91E-05
2851	437955.8	3762381	7.56E-05	2.58E-04	1.17E-05	4.21E-05	6.32E-06	1.95E-05
2852	437983.9	3762449	9.21E-05	3.14E-04	1.43E-05	5.13E-05	7.71E-06	2.38E-05
2853	437987.4	3762457	9.45E-05	3.22E-04	1.47E-05	5.26E-05	7.91E-06	2.44E-05
2854	437990.9	3762466	9.69E-05	3.31E-04	1.51E-05	5.40E-05	8.11E-06	2.50E-05
2855	437994.4	3762474	9.95E-05	3.39E-04	1.55E-05	5.54E-05	8.33E-06	2.57E-05
2856	437997.9	3762483	1.02E-04	3.48E-04	1.59E-05	5.69E-05	8.55E-06	2.64E-05

2857	438001.4	3762491	1.05E-04	3.58E-04	1.63E-05	5.84E-05	8.78E-06	2.71E-05
2858	438004.9	3762500	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
2859	438008.4	3762508	1.11E-04	3.77E-04	1.72E-05	6.16E-05	9.26E-06	2.86E-05
2860	438011.9	3762517	1.14E-04	3.88E-04	1.77E-05	6.33E-05	9.52E-06	2.94E-05
2861	438015.4	3762525	1.17E-04	3.99E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
2862	438018.9	3762534	1.20E-04	4.10E-04	1.87E-05	6.69E-05	1.01E-05	3.10E-05
2863	438022.5	3762542	1.23E-04	4.21E-04	1.92E-05	6.88E-05	1.03E-05	3.19E-05
2864	438026	3762551	1.27E-04	4.33E-04	1.97E-05	7.07E-05	1.06E-05	3.28E-05
2865	438029.5	3762559	1.30E-04	4.45E-04	2.03E-05	7.27E-05	1.09E-05	3.37E-05
2866	438033	3762568	1.34E-04	4.57E-04	2.08E-05	7.47E-05	1.12E-05	3.46E-05
2867	438036.5	3762576	1.38E-04	4.70E-04	2.14E-05	7.67E-05	1.15E-05	3.56E-05
2868	438040	3762585	1.42E-04	4.83E-04	2.20E-05	7.88E-05	1.18E-05	3.66E-05
2869	438043.5	3762593	1.45E-04	4.96E-04	2.26E-05	8.10E-05	1.22E-05	3.76E-05
2870	438047	3762602	1.49E-04	5.09E-04	2.32E-05	8.31E-05	1.25E-05	3.86E-05
2871	438050.5	3762610	1.53E-04	5.22E-04	2.38E-05	8.53E-05	1.28E-05	3.96E-05
2872	438054	3762619	1.57E-04	5.36E-04	2.44E-05	8.75E-05	1.32E-05	4.06E-05
2873	438057.5	3762627	1.61E-04	5.49E-04	2.50E-05	8.97E-05	1.35E-05	4.16E-05
2874	438061.1	3762636	1.65E-04	5.63E-04	2.57E-05	9.20E-05	1.38E-05	4.27E-05
2875	438064.6	3762644	1.69E-04	5.77E-04	2.63E-05	9.42E-05	1.42E-05	4.37E-05
2876	438068.1	3762653	1.73E-04	5.91E-04	2.69E-05	9.65E-05	1.45E-05	4.47E-05
2877	438071.6	3762661	1.77E-04	6.04E-04	2.75E-05	9.87E-05	1.48E-05	4.58E-05
2878	438075.1	3762670	1.81E-04	6.17E-04	2.81E-05	1.01E-04	1.52E-05	4.68E-05
2879	438078.6	3762678	1.85E-04	6.31E-04	2.87E-05	1.03E-04	1.55E-05	4.78E-05
2880	438082.1	3762687	1.89E-04	6.44E-04	2.93E-05	1.05E-04	1.58E-05	4.88E-05
2881	438085.6	3762695	1.92E-04	6.56E-04	2.99E-05	1.07E-04	1.61E-05	4.97E-05
2882	438089.1	3762704	1.96E-04	6.68E-04	3.05E-05	1.09E-04	1.64E-05	5.06E-05
2883	438092.6	3762712	1.99E-04	6.80E-04	3.10E-05	1.11E-04	1.67E-05	5.15E-05
2884	437546.7	3762180	3.90E-05	1.33E-04	6.06E-06	2.17E-05	3.26E-06	1.01E-05
2885	437537.3	3762180	3.86E-05	1.32E-04	6.00E-06	2.15E-05	3.23E-06	9.98E-06
2886	437527.9	3762180	3.83E-05	1.31E-04	5.95E-06	2.13E-05	3.20E-06	9.89E-06
2887	437518.5	3762180	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.80E-06
2888	437509.1	3762180	3.76E-05	1.28E-04	5.84E-06	2.09E-05	3.15E-06	9.71E-06
2889	437499.8	3762180	3.72E-05	1.27E-04	5.79E-06	2.07E-05	3.12E-06	9.62E-06
2890	437490.4	3762180	3.69E-05	1.26E-04	5.73E-06	2.06E-05	3.09E-06	9.53E-06
2891	437481	3762180	3.66E-05	1.25E-04	5.68E-06	2.04E-05	3.06E-06	9.45E-06
2892	437471.6	3762180	3.62E-05	1.24E-04	5.63E-06	2.02E-05	3.03E-06	9.36E-06
2893	437462.2	3762180	3.59E-05	1.23E-04	5.58E-06	2.00E-05	3.01E-06	9.28E-06
2894	437452.8	3762180	3.56E-05	1.22E-04	5.54E-06	1.98E-05	2.98E-06	9.21E-06
2895	437443.4	3762180	3.53E-05	1.21E-04	5.49E-06	1.97E-05	2.96E-06	9.13E-06
2896	437865.1	3762278	5.87E-05	2.00E-04	9.12E-06	3.27E-05	4.91E-06	1.52E-05
2897	437873.6	3762281	5.90E-05	2.01E-04	9.17E-06	3.29E-05	4.94E-06	1.52E-05
2898	437882.2	3762285	5.93E-05	2.02E-04	9.22E-06	3.30E-05	4.96E-06	1.53E-05
2899	437890.8	3762288	5.96E-05	2.03E-04	9.26E-06	3.32E-05	4.99E-06	1.54E-05
2900	437899.4	3762292	5.99E-05	2.04E-04	9.30E-06	3.33E-05	5.01E-06	1.55E-05
2901	437908	3762296	6.01E-05	2.05E-04	9.34E-06	3.35E-05	5.03E-06	1.55E-05
2902	437916.6	3762299	6.03E-05	2.06E-04	9.37E-06	3.36E-05	5.05E-06	1.56E-05
2903	437925.1	3762303	6.05E-05	2.06E-04	9.40E-06	3.37E-05	5.06E-06	1.56E-05
2904	437933.7	3762306	6.07E-05	2.07E-04	9.43E-06	3.38E-05	5.08E-06	1.57E-05
2905	437942.3	3762310	6.08E-05	2.07E-04	9.45E-06	3.39E-05	5.09E-06	1.57E-05
2906	437950.9	3762313	6.09E-05	2.08E-04	9.47E-06	3.39E-05	5.10E-06	1.57E-05
2907	437984.3	3762377	7.17E-05	2.44E-04	1.11E-05	3.99E-05	6.00E-06	1.85E-05
2908	437987.8	3762386	7.34E-05	2.50E-04	1.14E-05	4.09E-05	6.14E-06	1.90E-05

2909	437991.4	3762394	7.51E-05	2.56E-04	1.17E-05	4.18E-05	6.29E-06	1.94E-05
2910	437994.9	3762403	7.69E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.99E-05
2911	437998.5	3762411	7.87E-05	2.68E-04	1.22E-05	4.38E-05	6.59E-06	2.03E-05
2912	438002	3762420	8.06E-05	2.75E-04	1.25E-05	4.49E-05	6.75E-06	2.08E-05
2913	438005.6	3762429	8.26E-05	2.82E-04	1.28E-05	4.60E-05	6.91E-06	2.13E-05
2914	438009.1	3762437	8.46E-05	2.88E-04	1.31E-05	4.71E-05	7.08E-06	2.19E-05
2915	438012.7	3762446	8.67E-05	2.96E-04	1.35E-05	4.83E-05	7.26E-06	2.24E-05
2916	438016.2	3762454	8.88E-05	3.03E-04	1.38E-05	4.95E-05	7.44E-06	2.30E-05
2917	438019.8	3762463	9.11E-05	3.11E-04	1.42E-05	5.07E-05	7.62E-06	2.35E-05
2918	438023.3	3762472	9.34E-05	3.19E-04	1.45E-05	5.20E-05	7.82E-06	2.41E-05
2919	438026.8	3762480	9.58E-05	3.27E-04	1.49E-05	5.34E-05	8.02E-06	2.48E-05
2920	438030.4	3762489	9.83E-05	3.35E-04	1.53E-05	5.48E-05	8.23E-06	2.54E-05
2921	438033.9	3762497	1.01E-04	3.44E-04	1.57E-05	5.62E-05	8.45E-06	2.61E-05
2922	438037.5	3762506	1.04E-04	3.53E-04	1.61E-05	5.77E-05	8.67E-06	2.68E-05
2923	438041	3762514	1.06E-04	3.63E-04	1.65E-05	5.92E-05	8.90E-06	2.75E-05
2924	438044.6	3762523	1.09E-04	3.72E-04	1.70E-05	6.08E-05	9.14E-06	2.82E-05
2925	438048.1	3762532	1.12E-04	3.82E-04	1.74E-05	6.25E-05	9.38E-06	2.90E-05
2926	438051.7	3762540	1.15E-04	3.93E-04	1.79E-05	6.41E-05	9.64E-06	2.97E-05
2927	438055.2	3762549	1.18E-04	4.03E-04	1.84E-05	6.58E-05	9.89E-06	3.05E-05
2928	438058.8	3762557	1.21E-04	4.14E-04	1.89E-05	6.76E-05	1.02E-05	3.14E-05
2929	438062.3	3762566	1.25E-04	4.25E-04	1.93E-05	6.94E-05	1.04E-05	3.22E-05
2930	438065.9	3762575	1.28E-04	4.36E-04	1.99E-05	7.12E-05	1.07E-05	3.30E-05
2931	438069.4	3762583	1.31E-04	4.47E-04	2.04E-05	7.31E-05	1.10E-05	3.39E-05
2932	438073	3762592	1.35E-04	4.59E-04	2.09E-05	7.50E-05	1.13E-05	3.48E-05
2933	438076.5	3762600	1.38E-04	4.71E-04	2.14E-05	7.69E-05	1.16E-05	3.57E-05
2934	438080	3762609	1.41E-04	4.82E-04	2.20E-05	7.88E-05	1.18E-05	3.66E-05
2935	438083.6	3762618	1.45E-04	4.94E-04	2.25E-05	8.08E-05	1.21E-05	3.75E-05
2936	438087.1	3762626	1.49E-04	5.07E-04	2.31E-05	8.28E-05	1.24E-05	3.84E-05
2937	438090.7	3762635	1.52E-04	5.19E-04	2.36E-05	8.47E-05	1.27E-05	3.93E-05
2938	438094.2	3762643	1.56E-04	5.31E-04	2.42E-05	8.67E-05	1.30E-05	4.02E-05
2939	438097.8	3762652	1.59E-04	5.43E-04	2.47E-05	8.87E-05	1.33E-05	4.11E-05
2940	438101.3	3762660	1.63E-04	5.55E-04	2.53E-05	9.06E-05	1.36E-05	4.20E-05
2941	438104.9	3762669	1.66E-04	5.66E-04	2.58E-05	9.25E-05	1.39E-05	4.29E-05
2942	438108.4	3762678	1.69E-04	5.78E-04	2.63E-05	9.44E-05	1.42E-05	4.38E-05
2943	438112	3762686	1.73E-04	5.89E-04	2.68E-05	9.62E-05	1.45E-05	4.46E-05
2944	438115.5	3762695	1.76E-04	6.00E-04	2.73E-05	9.80E-05	1.47E-05	4.54E-05
2945	438119.1	3762703	1.79E-04	6.10E-04	2.78E-05	9.97E-05	1.50E-05	4.63E-05
2946	438122.6	3762712	1.82E-04	6.21E-04	2.83E-05	1.01E-04	1.52E-05	4.70E-05
2947	437546.7	3762150	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.10E-06
2948	437537.3	3762150	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.02E-06
2949	437527.9	3762150	3.46E-05	1.18E-04	5.37E-06	1.93E-05	2.89E-06	8.94E-06
2950	437518.5	3762150	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
2951	437509.1	3762150	3.40E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.78E-06
2952	437499.7	3762150	3.37E-05	1.15E-04	5.23E-06	1.88E-05	2.82E-06	8.70E-06
2953	437490.4	3762150	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.79E-06	8.62E-06
2954	437481	3762150	3.31E-05	1.13E-04	5.14E-06	1.84E-05	2.77E-06	8.55E-06
2955	437471.6	3762150	3.28E-05	1.12E-04	5.09E-06	1.83E-05	2.74E-06	8.47E-06
2956	437462.2	3762150	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
2957	437452.8	3762150	3.22E-05	1.10E-04	5.01E-06	1.80E-05	2.70E-06	8.33E-06
2958	437443.4	3762150	3.20E-05	1.09E-04	4.97E-06	1.78E-05	2.68E-06	8.26E-06
2959	437937.4	3762278	5.53E-05	1.88E-04	8.59E-06	3.08E-05	4.63E-06	1.43E-05
2960	437946	3762281	5.54E-05	1.89E-04	8.61E-06	3.09E-05	4.64E-06	1.43E-05

2961	437954.7	3762285	5.56E-05	1.90E-04	8.64E-06	3.10E-05	4.65E-06	1.44E-05
2962	438016.5	3762382	6.96E-05	2.37E-04	1.08E-05	3.88E-05	5.83E-06	1.80E-05
2963	438020.1	3762391	7.12E-05	2.43E-04	1.11E-05	3.97E-05	5.96E-06	1.84E-05
2964	438023.7	3762400	7.28E-05	2.48E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
2965	438027.2	3762408	7.45E-05	2.54E-04	1.16E-05	4.15E-05	6.24E-06	1.93E-05
2966	438030.8	3762417	7.62E-05	2.60E-04	1.18E-05	4.25E-05	6.38E-06	1.97E-05
2967	438034.4	3762426	7.80E-05	2.66E-04	1.21E-05	4.35E-05	6.53E-06	2.02E-05
2968	438038	3762434	7.99E-05	2.72E-04	1.24E-05	4.45E-05	6.68E-06	2.06E-05
2969	438041.6	3762443	8.18E-05	2.79E-04	1.27E-05	4.56E-05	6.84E-06	2.11E-05
2970	438045.1	3762452	8.38E-05	2.86E-04	1.30E-05	4.67E-05	7.01E-06	2.16E-05
2971	438048.7	3762460	8.58E-05	2.93E-04	1.33E-05	4.78E-05	7.18E-06	2.22E-05
2972	438052.3	3762469	8.79E-05	3.00E-04	1.37E-05	4.90E-05	7.36E-06	2.27E-05
2973	438055.9	3762478	9.01E-05	3.07E-04	1.40E-05	5.02E-05	7.54E-06	2.33E-05
2974	438059.5	3762486	9.24E-05	3.15E-04	1.44E-05	5.15E-05	7.73E-06	2.39E-05
2975	438063.1	3762495	9.48E-05	3.23E-04	1.47E-05	5.28E-05	7.93E-06	2.45E-05
2976	438066.6	3762504	9.72E-05	3.31E-04	1.51E-05	5.41E-05	8.13E-06	2.51E-05
2977	438070.2	3762513	9.97E-05	3.40E-04	1.55E-05	5.55E-05	8.34E-06	2.58E-05
2978	438073.8	3762521	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.56E-06	2.64E-05
2979	438077.4	3762530	1.05E-04	3.58E-04	1.63E-05	5.84E-05	8.78E-06	2.71E-05
2980	438081	3762539	1.08E-04	3.67E-04	1.67E-05	5.99E-05	9.01E-06	2.78E-05
2981	438084.5	3762547	1.10E-04	3.76E-04	1.71E-05	6.15E-05	9.24E-06	2.85E-05
2982	438088.1	3762556	1.13E-04	3.86E-04	1.76E-05	6.30E-05	9.47E-06	2.92E-05
2983	438091.7	3762565	1.16E-04	3.96E-04	1.80E-05	6.46E-05	9.71E-06	3.00E-05
2984	438095.3	3762573	1.19E-04	4.06E-04	1.85E-05	6.63E-05	9.96E-06	3.07E-05
2985	438098.9	3762582	1.22E-04	4.16E-04	1.90E-05	6.79E-05	1.02E-05	3.15E-05
2986	438102.4	3762591	1.25E-04	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
2987	438106	3762599	1.28E-04	4.37E-04	1.99E-05	7.14E-05	1.07E-05	3.31E-05
2988	438109.6	3762608	1.31E-04	4.47E-04	2.04E-05	7.31E-05	1.10E-05	3.39E-05
2989	438113.2	3762617	1.34E-04	4.58E-04	2.09E-05	7.48E-05	1.12E-05	3.47E-05
2990	438116.8	3762625	1.37E-04	4.69E-04	2.14E-05	7.66E-05	1.15E-05	3.55E-05
2991	438120.3	3762634	1.41E-04	4.79E-04	2.18E-05	7.83E-05	1.18E-05	3.63E-05
2992	438123.9	3762643	1.44E-04	4.90E-04	2.23E-05	8.01E-05	1.20E-05	3.71E-05
2993	438127.5	3762651	1.47E-04	5.01E-04	2.28E-05	8.18E-05	1.23E-05	3.79E-05
2994	438131.1	3762660	1.50E-04	5.11E-04	2.33E-05	8.35E-05	1.25E-05	3.87E-05
2995	438134.7	3762669	1.53E-04	5.21E-04	2.38E-05	8.52E-05	1.28E-05	3.95E-05
2996	438138.2	3762677	1.56E-04	5.31E-04	2.42E-05	8.68E-05	1.30E-05	4.03E-05
2997	438141.8	3762686	1.59E-04	5.41E-04	2.47E-05	8.84E-05	1.33E-05	4.10E-05
2998	438145.4	3762695	1.61E-04	5.50E-04	2.51E-05	8.99E-05	1.35E-05	4.17E-05
2999	438149	3762703	1.64E-04	5.59E-04	2.55E-05	9.14E-05	1.37E-05	4.24E-05
3000	438152.6	3762712	1.67E-04	5.68E-04	2.59E-05	9.28E-05	1.39E-05	4.31E-05
3001	437546.7	3762120	3.20E-05	1.09E-04	4.97E-06	1.78E-05	2.68E-06	8.26E-06
3002	437537.3	3762120	3.17E-05	1.08E-04	4.92E-06	1.76E-05	2.65E-06	8.19E-06
3003	437527.9	3762120	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
3004	437518.5	3762120	3.11E-05	1.06E-04	4.84E-06	1.73E-05	2.60E-06	8.04E-06
3005	437509.1	3762120	3.09E-05	1.05E-04	4.80E-06	1.72E-05	2.58E-06	7.98E-06
3006	437499.7	3762120	3.06E-05	1.04E-04	4.76E-06	1.71E-05	2.56E-06	7.91E-06
3007	437490.4	3762120	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.84E-06
3008	437481	3762120	3.01E-05	1.03E-04	4.68E-06	1.68E-05	2.52E-06	7.78E-06
3009	437471.6	3762120	2.98E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
3010	437462.2	3762120	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.65E-06
3011	437452.8	3762120	2.94E-05	1.00E-04	4.56E-06	1.64E-05	2.46E-06	7.59E-06
3012	437443.4	3762120	2.91E-05	9.93E-05	4.53E-06	1.62E-05	2.44E-06	7.53E-06

3013	437983.4	3762257	4.98E-05	1.70E-04	7.74E-06	2.78E-05	4.17E-06	1.29E-05
3014	437991.9	3762260	4.99E-05	1.70E-04	7.76E-06	2.78E-05	4.18E-06	1.29E-05
3015	438000.5	3762264	5.00E-05	1.71E-04	7.77E-06	2.79E-05	4.19E-06	1.29E-05
3016	438012.5	3762276	5.11E-05	1.74E-04	7.94E-06	2.85E-05	4.28E-06	1.32E-05
3017	438016.1	3762285	5.21E-05	1.78E-04	8.10E-06	2.90E-05	4.36E-06	1.35E-05
3018	438019.6	3762293	5.32E-05	1.81E-04	8.27E-06	2.96E-05	4.45E-06	1.37E-05
3019	438023.1	3762302	5.43E-05	1.85E-04	8.43E-06	3.02E-05	4.54E-06	1.40E-05
3020	438026.7	3762310	5.54E-05	1.89E-04	8.60E-06	3.08E-05	4.63E-06	1.43E-05
3021	438030.2	3762319	5.65E-05	1.93E-04	8.78E-06	3.15E-05	4.73E-06	1.46E-05
3022	438033.7	3762327	5.76E-05	1.97E-04	8.96E-06	3.21E-05	4.82E-06	1.49E-05
3023	438037.3	3762336	5.88E-05	2.01E-04	9.14E-06	3.28E-05	4.92E-06	1.52E-05
3024	438040.8	3762344	6.00E-05	2.05E-04	9.32E-06	3.34E-05	5.02E-06	1.55E-05
3025	438054.9	3762379	6.51E-05	2.22E-04	1.01E-05	3.63E-05	5.45E-06	1.68E-05
3026	438058.4	3762387	6.65E-05	2.27E-04	1.03E-05	3.70E-05	5.56E-06	1.72E-05
3027	438062	3762396	6.79E-05	2.31E-04	1.05E-05	3.78E-05	5.68E-06	1.75E-05
3028	438065.5	3762404	6.93E-05	2.36E-04	1.08E-05	3.86E-05	5.80E-06	1.79E-05
3029	438069	3762413	7.08E-05	2.41E-04	1.10E-05	3.94E-05	5.93E-06	1.83E-05
3030	438072.6	3762421	7.24E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
3031	438076.1	3762430	7.40E-05	2.52E-04	1.15E-05	4.12E-05	6.19E-06	1.91E-05
3032	438079.6	3762438	7.56E-05	2.58E-04	1.17E-05	4.21E-05	6.33E-06	1.95E-05
3033	438083.2	3762447	7.73E-05	2.64E-04	1.20E-05	4.31E-05	6.47E-06	2.00E-05
3034	438086.7	3762456	7.91E-05	2.70E-04	1.23E-05	4.41E-05	6.62E-06	2.04E-05
3035	438090.2	3762464	8.09E-05	2.76E-04	1.26E-05	4.51E-05	6.77E-06	2.09E-05
3036	438093.7	3762473	8.28E-05	2.82E-04	1.29E-05	4.61E-05	6.93E-06	2.14E-05
3037	438097.3	3762481	8.48E-05	2.89E-04	1.32E-05	4.72E-05	7.10E-06	2.19E-05
3038	438100.8	3762490	8.68E-05	2.96E-04	1.35E-05	4.83E-05	7.26E-06	2.24E-05
3039	438104.3	3762498	8.88E-05	3.03E-04	1.38E-05	4.95E-05	7.44E-06	2.30E-05
3040	438107.9	3762507	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
3041	438111.4	3762515	9.31E-05	3.18E-04	1.45E-05	5.19E-05	7.80E-06	2.41E-05
3042	438114.9	3762524	9.54E-05	3.25E-04	1.48E-05	5.31E-05	7.98E-06	2.46E-05
3043	438118.5	3762533	9.76E-05	3.33E-04	1.52E-05	5.44E-05	8.17E-06	2.52E-05
3044	438122	3762541	1.00E-04	3.41E-04	1.55E-05	5.57E-05	8.37E-06	2.58E-05
3045	438125.5	3762550	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.65E-05
3046	438129.1	3762558	1.05E-04	3.57E-04	1.63E-05	5.84E-05	8.77E-06	2.71E-05
3047	438132.6	3762567	1.07E-04	3.66E-04	1.67E-05	5.98E-05	8.98E-06	2.77E-05
3048	438136.1	3762575	1.10E-04	3.75E-04	1.71E-05	6.12E-05	9.19E-06	2.84E-05
3049	438139.6	3762584	1.12E-04	3.83E-04	1.75E-05	6.26E-05	9.41E-06	2.90E-05
3050	438143.2	3762592	1.15E-04	3.92E-04	1.79E-05	6.40E-05	9.62E-06	2.97E-05
3051	438146.7	3762601	1.18E-04	4.01E-04	1.83E-05	6.55E-05	9.84E-06	3.04E-05
3052	438150.2	3762610	1.20E-04	4.10E-04	1.87E-05	6.69E-05	1.01E-05	3.10E-05
3053	438153.8	3762618	1.23E-04	4.19E-04	1.91E-05	6.84E-05	1.03E-05	3.17E-05
3054	438157.3	3762627	1.25E-04	4.27E-04	1.95E-05	6.98E-05	1.05E-05	3.24E-05
3055	438160.8	3762635	1.28E-04	4.36E-04	1.99E-05	7.13E-05	1.07E-05	3.31E-05
3056	438164.4	3762644	1.31E-04	4.45E-04	2.03E-05	7.27E-05	1.09E-05	3.37E-05
3057	438167.9	3762652	1.33E-04	4.54E-04	2.07E-05	7.41E-05	1.11E-05	3.44E-05
3058	438171.4	3762661	1.36E-04	4.62E-04	2.11E-05	7.55E-05	1.13E-05	3.50E-05
3059	438175	3762669	1.38E-04	4.70E-04	2.14E-05	7.69E-05	1.15E-05	3.57E-05
3060	438178.5	3762678	1.40E-04	4.79E-04	2.18E-05	7.82E-05	1.17E-05	3.63E-05
3061	438182	3762686	1.43E-04	4.87E-04	2.22E-05	7.95E-05	1.19E-05	3.69E-05
3062	438185.6	3762695	1.45E-04	4.94E-04	2.25E-05	8.07E-05	1.21E-05	3.75E-05
3063	438189.1	3762704	1.47E-04	5.02E-04	2.29E-05	8.19E-05	1.23E-05	3.80E-05
3064	438192.6	3762712	1.49E-04	5.09E-04	2.32E-05	8.31E-05	1.25E-05	3.85E-05

3065	437985.7	3762218	4.47E-05	1.52E-04	6.94E-06	2.49E-05	3.74E-06	1.15E-05
3066	437994.3	3762221	4.48E-05	1.53E-04	6.96E-06	2.50E-05	3.75E-06	1.16E-05
3067	438002.9	3762225	4.49E-05	1.53E-04	6.98E-06	2.50E-05	3.76E-06	1.16E-05
3068	438011.5	3762229	4.50E-05	1.53E-04	6.99E-06	2.51E-05	3.77E-06	1.16E-05
3069	438020.1	3762232	4.51E-05	1.54E-04	7.01E-06	2.51E-05	3.77E-06	1.16E-05
3070	438028.7	3762236	4.51E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
3071	438040.9	3762248	4.61E-05	1.57E-04	7.16E-06	2.57E-05	3.86E-06	1.19E-05
3072	438044.4	3762256	4.70E-05	1.60E-04	7.30E-06	2.62E-05	3.93E-06	1.21E-05
3073	438048	3762265	4.78E-05	1.63E-04	7.43E-06	2.67E-05	4.00E-06	1.24E-05
3074	438051.5	3762274	4.88E-05	1.66E-04	7.58E-06	2.72E-05	4.08E-06	1.26E-05
3075	438055.1	3762282	4.97E-05	1.69E-04	7.72E-06	2.77E-05	4.16E-06	1.28E-05
3076	438058.6	3762291	5.06E-05	1.73E-04	7.87E-06	2.82E-05	4.24E-06	1.31E-05
3077	438062.2	3762299	5.16E-05	1.76E-04	8.01E-06	2.87E-05	4.32E-06	1.33E-05
3078	438065.7	3762308	5.26E-05	1.79E-04	8.17E-06	2.93E-05	4.40E-06	1.36E-05
3079	438069.3	3762317	5.36E-05	1.83E-04	8.32E-06	2.98E-05	4.48E-06	1.38E-05
3080	438072.8	3762325	5.46E-05	1.86E-04	8.48E-06	3.04E-05	4.57E-06	1.41E-05
3081	438076.4	3762334	5.56E-05	1.90E-04	8.64E-06	3.10E-05	4.66E-06	1.44E-05
3082	438079.9	3762342	5.67E-05	1.93E-04	8.81E-06	3.16E-05	4.74E-06	1.46E-05
3083	438083.5	3762351	5.78E-05	1.97E-04	8.98E-06	3.22E-05	4.84E-06	1.49E-05
3084	438087	3762360	5.89E-05	2.01E-04	9.15E-06	3.28E-05	4.93E-06	1.52E-05
3085	438090.6	3762368	6.01E-05	2.05E-04	9.33E-06	3.35E-05	5.03E-06	1.55E-05
3086	438094.1	3762377	6.12E-05	2.09E-04	9.52E-06	3.41E-05	5.13E-06	1.58E-05
3087	438097.7	3762385	6.25E-05	2.13E-04	9.71E-06	3.48E-05	5.23E-06	1.61E-05
3088	438101.2	3762394	6.37E-05	2.17E-04	9.90E-06	3.55E-05	5.33E-06	1.65E-05
3089	438104.8	3762403	6.50E-05	2.22E-04	1.01E-05	3.62E-05	5.44E-06	1.68E-05
3090	438108.3	3762411	6.64E-05	2.26E-04	1.03E-05	3.70E-05	5.56E-06	1.72E-05
3091	438111.9	3762420	6.78E-05	2.31E-04	1.05E-05	3.77E-05	5.67E-06	1.75E-05
3092	438115.4	3762428	6.92E-05	2.36E-04	1.08E-05	3.85E-05	5.79E-06	1.79E-05
3093	438119	3762437	7.07E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
3094	438122.5	3762446	7.22E-05	2.46E-04	1.12E-05	4.02E-05	6.04E-06	1.87E-05
3095	438126.1	3762454	7.38E-05	2.52E-04	1.15E-05	4.11E-05	6.18E-06	1.91E-05
3096	438129.6	3762463	7.54E-05	2.57E-04	1.17E-05	4.20E-05	6.31E-06	1.95E-05
3097	438133.2	3762471	7.71E-05	2.63E-04	1.20E-05	4.30E-05	6.46E-06	1.99E-05
3098	438136.7	3762480	7.89E-05	2.69E-04	1.23E-05	4.39E-05	6.60E-06	2.04E-05
3099	438140.3	3762489	8.06E-05	2.75E-04	1.25E-05	4.49E-05	6.75E-06	2.08E-05
3100	438143.8	3762497	8.25E-05	2.81E-04	1.28E-05	4.59E-05	6.90E-06	2.13E-05
3101	438147.4	3762506	8.44E-05	2.88E-04	1.31E-05	4.70E-05	7.06E-06	2.18E-05
3102	438150.9	3762514	8.63E-05	2.94E-04	1.34E-05	4.81E-05	7.22E-06	2.23E-05
3103	438154.5	3762523	8.83E-05	3.01E-04	1.37E-05	4.92E-05	7.39E-06	2.28E-05
3104	438158	3762532	9.03E-05	3.08E-04	1.40E-05	5.03E-05	7.56E-06	2.33E-05
3105	438161.6	3762540	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.73E-06	2.39E-05
3106	438165.1	3762549	9.44E-05	3.22E-04	1.47E-05	5.26E-05	7.90E-06	2.44E-05
3107	438168.7	3762557	9.66E-05	3.29E-04	1.50E-05	5.38E-05	8.08E-06	2.50E-05
3108	438172.2	3762566	9.87E-05	3.37E-04	1.53E-05	5.50E-05	8.26E-06	2.55E-05
3109	438175.8	3762575	1.01E-04	3.44E-04	1.57E-05	5.62E-05	8.45E-06	2.61E-05
3110	438179.3	3762583	1.03E-04	3.52E-04	1.60E-05	5.74E-05	8.63E-06	2.66E-05
3111	438193.5	3762618	1.12E-04	3.82E-04	1.74E-05	6.24E-05	9.37E-06	2.89E-05
3112	438197.1	3762626	1.14E-04	3.89E-04	1.77E-05	6.36E-05	9.56E-06	2.95E-05
3113	438200.6	3762635	1.16E-04	3.97E-04	1.81E-05	6.48E-05	9.74E-06	3.01E-05
3114	438204.2	3762643	1.19E-04	4.04E-04	1.84E-05	6.60E-05	9.92E-06	3.06E-05
3115	438207.7	3762652	1.21E-04	4.12E-04	1.88E-05	6.72E-05	1.01E-05	3.12E-05
3116	438211.3	3762661	1.23E-04	4.19E-04	1.91E-05	6.84E-05	1.03E-05	3.17E-05

3117	438214.8	3762669	1.25E-04	4.26E-04	1.94E-05	6.95E-05	1.04E-05	3.23E-05
3118	438218.4	3762678	1.27E-04	4.33E-04	1.97E-05	7.07E-05	1.06E-05	3.28E-05
3119	438221.9	3762686	1.29E-04	4.39E-04	2.00E-05	7.17E-05	1.08E-05	3.33E-05
3120	438225.5	3762695	1.31E-04	4.46E-04	2.03E-05	7.28E-05	1.09E-05	3.38E-05
3121	438229	3762704	1.33E-04	4.52E-04	2.06E-05	7.38E-05	1.11E-05	3.42E-05
3122	438232.6	3762712	1.34E-04	4.57E-04	2.08E-05	7.46E-05	1.12E-05	3.46E-05
3123	437987.9	3762179	4.02E-05	1.37E-04	6.25E-06	2.24E-05	3.37E-06	1.04E-05
3124	437996.5	3762182	4.03E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
3125	438005.2	3762186	4.05E-05	1.38E-04	6.29E-06	2.25E-05	3.39E-06	1.05E-05
3126	438013.8	3762189	4.06E-05	1.38E-04	6.31E-06	2.26E-05	3.40E-06	1.05E-05
3127	438022.4	3762193	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.41E-06	1.05E-05
3128	438031.1	3762197	4.08E-05	1.39E-04	6.34E-06	2.27E-05	3.41E-06	1.05E-05
3129	438039.7	3762200	4.09E-05	1.39E-04	6.35E-06	2.28E-05	3.42E-06	1.06E-05
3130	438048.3	3762204	4.10E-05	1.40E-04	6.36E-06	2.28E-05	3.43E-06	1.06E-05
3131	438057	3762207	4.10E-05	1.40E-04	6.37E-06	2.28E-05	3.43E-06	1.06E-05
3132	438069.2	3762220	4.18E-05	1.43E-04	6.50E-06	2.33E-05	3.50E-06	1.08E-05
3133	438072.7	3762228	4.26E-05	1.45E-04	6.61E-06	2.37E-05	3.56E-06	1.10E-05
3134	438076.3	3762237	4.33E-05	1.48E-04	6.73E-06	2.41E-05	3.63E-06	1.12E-05
3135	438079.9	3762246	4.41E-05	1.50E-04	6.85E-06	2.46E-05	3.69E-06	1.14E-05
3136	438083.5	3762254	4.49E-05	1.53E-04	6.98E-06	2.50E-05	3.76E-06	1.16E-05
3137	438087	3762263	4.57E-05	1.56E-04	7.10E-06	2.55E-05	3.82E-06	1.18E-05
3138	438090.6	3762271	4.65E-05	1.59E-04	7.23E-06	2.59E-05	3.89E-06	1.20E-05
3139	438094.2	3762280	4.73E-05	1.61E-04	7.35E-06	2.64E-05	3.96E-06	1.22E-05
3140	438097.7	3762289	4.82E-05	1.64E-04	7.48E-06	2.68E-05	4.03E-06	1.24E-05
3141	438101.3	3762297	4.90E-05	1.67E-04	7.62E-06	2.73E-05	4.10E-06	1.27E-05
3142	438104.9	3762306	4.99E-05	1.70E-04	7.75E-06	2.78E-05	4.18E-06	1.29E-05
3143	438108.4	3762315	5.08E-05	1.73E-04	7.89E-06	2.83E-05	4.25E-06	1.31E-05
3144	438112	3762323	5.17E-05	1.76E-04	8.03E-06	2.88E-05	4.33E-06	1.34E-05
3145	438115.6	3762332	5.26E-05	1.79E-04	8.18E-06	2.93E-05	4.40E-06	1.36E-05
3146	438119.1	3762341	5.36E-05	1.83E-04	8.33E-06	2.99E-05	4.49E-06	1.38E-05
3147	438122.7	3762349	5.46E-05	1.86E-04	8.48E-06	3.04E-05	4.57E-06	1.41E-05
3148	438126.3	3762358	5.56E-05	1.90E-04	8.64E-06	3.10E-05	4.65E-06	1.44E-05
3149	438129.8	3762366	5.66E-05	1.93E-04	8.80E-06	3.16E-05	4.74E-06	1.46E-05
3150	438133.4	3762375	5.77E-05	1.97E-04	8.97E-06	3.21E-05	4.83E-06	1.49E-05
3151	438137	3762384	5.88E-05	2.01E-04	9.14E-06	3.28E-05	4.92E-06	1.52E-05
3152	438140.5	3762392	6.00E-05	2.04E-04	9.32E-06	3.34E-05	5.02E-06	1.55E-05
3153	438144.1	3762401	6.11E-05	2.08E-04	9.50E-06	3.41E-05	5.12E-06	1.58E-05
3154	438147.7	3762410	6.23E-05	2.13E-04	9.69E-06	3.47E-05	5.22E-06	1.61E-05
3155	438151.3	3762418	6.36E-05	2.17E-04	9.88E-06	3.54E-05	5.32E-06	1.64E-05
3156	438154.8	3762427	6.49E-05	2.21E-04	1.01E-05	3.61E-05	5.43E-06	1.68E-05
3157	438158.4	3762436	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
3158	438162	3762444	6.76E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05
3159	438165.5	3762453	6.90E-05	2.35E-04	1.07E-05	3.85E-05	5.78E-06	1.78E-05
3160	438169.1	3762462	7.05E-05	2.40E-04	1.10E-05	3.93E-05	5.90E-06	1.82E-05
3161	438172.7	3762470	7.20E-05	2.46E-04	1.12E-05	4.01E-05	6.03E-06	1.86E-05
3162	438176.2	3762479	7.36E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
3163	438179.8	3762487	7.52E-05	2.56E-04	1.17E-05	4.19E-05	6.29E-06	1.94E-05
3164	438183.4	3762496	7.68E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.98E-05
3165	438197.6	3762531	8.37E-05	2.86E-04	1.30E-05	4.66E-05	7.01E-06	2.16E-05
3166	438201.2	3762539	8.55E-05	2.92E-04	1.33E-05	4.77E-05	7.16E-06	2.21E-05
3167	438204.8	3762548	8.74E-05	2.98E-04	1.36E-05	4.87E-05	7.31E-06	2.26E-05
3168	438208.3	3762557	8.92E-05	3.04E-04	1.39E-05	4.97E-05	7.47E-06	2.31E-05

3169	438211.9	3762565	9.11E-05	3.11E-04	1.42E-05	5.08E-05	7.63E-06	2.35E-05
3170	438215.5	3762574	9.30E-05	3.17E-04	1.44E-05	5.18E-05	7.78E-06	2.40E-05
3171	438219.1	3762583	9.49E-05	3.24E-04	1.47E-05	5.29E-05	7.94E-06	2.45E-05
3172	438233.3	3762617	1.03E-04	3.50E-04	1.59E-05	5.71E-05	8.58E-06	2.65E-05
3173	438236.9	3762626	1.04E-04	3.56E-04	1.62E-05	5.82E-05	8.74E-06	2.70E-05
3174	438240.5	3762634	1.06E-04	3.62E-04	1.65E-05	5.92E-05	8.90E-06	2.75E-05
3175	438244	3762643	1.08E-04	3.69E-04	1.68E-05	6.02E-05	9.05E-06	2.79E-05
3176	438247.6	3762652	1.10E-04	3.75E-04	1.71E-05	6.13E-05	9.20E-06	2.84E-05
3177	438251.2	3762660	1.12E-04	3.81E-04	1.74E-05	6.23E-05	9.35E-06	2.89E-05
3178	438254.7	3762669	1.14E-04	3.87E-04	1.76E-05	6.32E-05	9.50E-06	2.93E-05
3179	438258.3	3762678	1.15E-04	3.93E-04	1.79E-05	6.42E-05	9.64E-06	2.98E-05
3180	438261.9	3762686	1.17E-04	3.99E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
3181	438265.4	3762695	1.19E-04	4.04E-04	1.84E-05	6.60E-05	9.92E-06	3.06E-05
3182	438269	3762703	1.20E-04	4.10E-04	1.87E-05	6.69E-05	1.01E-05	3.10E-05
3183	438272.6	3762712	1.22E-04	4.15E-04	1.89E-05	6.78E-05	1.02E-05	3.15E-05
3184	437599.5	3761978	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.86E-06
3185	437608.1	3761981	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
3186	437616.8	3761985	2.34E-05	7.99E-05	3.64E-06	1.30E-05	1.96E-06	6.05E-06
3187	437625.5	3761988	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
3188	437634.2	3761992	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.03E-06	6.25E-06
3189	437642.8	3761996	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
3190	437651.5	3761999	2.50E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
3191	437989.8	3762140	3.64E-05	1.24E-04	5.66E-06	2.03E-05	3.05E-06	9.41E-06
3192	437998.5	3762143	3.66E-05	1.25E-04	5.68E-06	2.04E-05	3.06E-06	9.45E-06
3193	438007.2	3762147	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.48E-06
3194	438015.8	3762150	3.68E-05	1.26E-04	5.72E-06	2.05E-05	3.08E-06	9.51E-06
3195	438024.5	3762154	3.69E-05	1.26E-04	5.74E-06	2.06E-05	3.09E-06	9.54E-06
3196	438033.2	3762158	3.70E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.57E-06
3197	438041.9	3762161	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
3198	438050.5	3762165	3.72E-05	1.27E-04	5.78E-06	2.07E-05	3.11E-06	9.61E-06
3199	438059.2	3762168	3.73E-05	1.27E-04	5.79E-06	2.08E-05	3.12E-06	9.63E-06
3200	438067.9	3762172	3.74E-05	1.27E-04	5.81E-06	2.08E-05	3.13E-06	9.65E-06
3201	438076.6	3762175	3.74E-05	1.28E-04	5.82E-06	2.09E-05	3.13E-06	9.67E-06
3202	438085.2	3762179	3.75E-05	1.28E-04	5.83E-06	2.09E-05	3.14E-06	9.69E-06
3203	438097.5	3762191	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.20E-06	9.87E-06
3204	438101.1	3762200	3.88E-05	1.32E-04	6.03E-06	2.16E-05	3.25E-06	1.00E-05
3205	438104.7	3762209	3.95E-05	1.35E-04	6.14E-06	2.20E-05	3.31E-06	1.02E-05
3206	438108.3	3762217	4.02E-05	1.37E-04	6.24E-06	2.24E-05	3.36E-06	1.04E-05
3207	438111.8	3762226	4.08E-05	1.39E-04	6.35E-06	2.27E-05	3.42E-06	1.06E-05
3208	438115.4	3762235	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
3209	438119	3762243	4.22E-05	1.44E-04	6.56E-06	2.35E-05	3.53E-06	1.09E-05
3210	438122.6	3762252	4.29E-05	1.46E-04	6.67E-06	2.39E-05	3.59E-06	1.11E-05
3211	438126.2	3762261	4.36E-05	1.49E-04	6.78E-06	2.43E-05	3.65E-06	1.13E-05
3212	438129.8	3762269	4.43E-05	1.51E-04	6.89E-06	2.47E-05	3.71E-06	1.15E-05
3213	438133.3	3762278	4.51E-05	1.54E-04	7.00E-06	2.51E-05	3.77E-06	1.16E-05
3214	438136.9	3762287	4.58E-05	1.56E-04	7.12E-06	2.55E-05	3.84E-06	1.18E-05
3215	438140.5	3762296	4.66E-05	1.59E-04	7.24E-06	2.60E-05	3.90E-06	1.20E-05
3216	438144.1	3762304	4.74E-05	1.62E-04	7.36E-06	2.64E-05	3.97E-06	1.22E-05
3217	438147.7	3762313	4.82E-05	1.64E-04	7.49E-06	2.68E-05	4.03E-06	1.25E-05
3218	438151.3	3762322	4.90E-05	1.67E-04	7.62E-06	2.73E-05	4.10E-06	1.27E-05
3219	438154.8	3762330	4.99E-05	1.70E-04	7.75E-06	2.78E-05	4.17E-06	1.29E-05
3220	438158.4	3762339	5.07E-05	1.73E-04	7.88E-06	2.83E-05	4.25E-06	1.31E-05

3221	438162	3762348	5.16E-05	1.76E-04	8.02E-06	2.88E-05	4.32E-06	1.33E-05
3222	438165.6	3762356	5.25E-05	1.79E-04	8.16E-06	2.93E-05	4.40E-06	1.36E-05
3223	438169.2	3762365	5.35E-05	1.82E-04	8.31E-06	2.98E-05	4.48E-06	1.38E-05
3224	438172.8	3762374	5.45E-05	1.86E-04	8.46E-06	3.03E-05	4.56E-06	1.41E-05
3225	438176.4	3762382	5.55E-05	1.89E-04	8.62E-06	3.09E-05	4.64E-06	1.43E-05
3226	438179.9	3762391	5.65E-05	1.93E-04	8.78E-06	3.15E-05	4.73E-06	1.46E-05
3227	438183.5	3762400	5.76E-05	1.96E-04	8.95E-06	3.21E-05	4.82E-06	1.49E-05
3228	438187.1	3762408	5.87E-05	2.00E-04	9.12E-06	3.27E-05	4.91E-06	1.52E-05
3229	438190.7	3762417	5.98E-05	2.04E-04	9.30E-06	3.33E-05	5.01E-06	1.55E-05
3230	438194.3	3762426	6.10E-05	2.08E-04	9.48E-06	3.40E-05	5.11E-06	1.58E-05
3231	438197.9	3762434	6.22E-05	2.12E-04	9.67E-06	3.47E-05	5.21E-06	1.61E-05
3232	438201.4	3762443	6.35E-05	2.16E-04	9.86E-06	3.54E-05	5.31E-06	1.64E-05
3233	438205	3762452	6.48E-05	2.21E-04	1.01E-05	3.61E-05	5.42E-06	1.67E-05
3234	438208.6	3762460	6.61E-05	2.25E-04	1.03E-05	3.68E-05	5.53E-06	1.71E-05
3235	438212.2	3762469	6.74E-05	2.30E-04	1.05E-05	3.76E-05	5.65E-06	1.74E-05
3236	438215.8	3762478	6.88E-05	2.35E-04	1.07E-05	3.83E-05	5.76E-06	1.78E-05
3237	438219.4	3762486	7.03E-05	2.40E-04	1.09E-05	3.91E-05	5.88E-06	1.82E-05
3238	438223	3762495	7.17E-05	2.45E-04	1.11E-05	4.00E-05	6.00E-06	1.85E-05
3239	438237.3	3762530	7.78E-05	2.65E-04	1.21E-05	4.34E-05	6.52E-06	2.01E-05
3240	438240.9	3762539	7.94E-05	2.71E-04	1.23E-05	4.43E-05	6.65E-06	2.05E-05
3241	438244.5	3762547	8.10E-05	2.76E-04	1.26E-05	4.51E-05	6.78E-06	2.09E-05
3242	438248	3762556	8.27E-05	2.82E-04	1.28E-05	4.61E-05	6.92E-06	2.14E-05
3243	438251.6	3762565	8.43E-05	2.88E-04	1.31E-05	4.70E-05	7.06E-06	2.18E-05
3244	438255.2	3762573	8.60E-05	2.93E-04	1.34E-05	4.79E-05	7.19E-06	2.22E-05
3245	438258.8	3762582	8.76E-05	2.99E-04	1.36E-05	4.88E-05	7.33E-06	2.26E-05
3246	438294.6	3762669	1.04E-04	3.54E-04	1.61E-05	5.78E-05	8.68E-06	2.68E-05
3247	438298.2	3762677	1.05E-04	3.59E-04	1.63E-05	5.86E-05	8.80E-06	2.72E-05
3248	438301.8	3762686	1.07E-04	3.64E-04	1.66E-05	5.94E-05	8.92E-06	2.75E-05
3249	438305.4	3762695	1.08E-04	3.68E-04	1.68E-05	6.02E-05	9.04E-06	2.79E-05
3250	438309	3762703	1.09E-04	3.73E-04	1.70E-05	6.10E-05	9.16E-06	2.83E-05
3251	438312.6	3762712	1.11E-04	3.78E-04	1.72E-05	6.17E-05	9.27E-06	2.86E-05
3252	437599	3761938	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
3253	437607.5	3761941	2.10E-05	7.15E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
3254	437616.1	3761945	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
3255	437624.7	3761948	2.16E-05	7.37E-05	3.36E-06	1.20E-05	1.81E-06	5.59E-06
3256	437633.3	3761952	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
3257	437641.9	3761955	2.23E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.76E-06
3258	437650.4	3761959	2.26E-05	7.71E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
3259	437659	3761962	2.29E-05	7.82E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
3260	437667.6	3761966	2.33E-05	7.94E-05	3.62E-06	1.30E-05	1.95E-06	6.02E-06
3261	437676.2	3761970	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
3262	437684.7	3761973	2.40E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
3263	437693.3	3761977	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.04E-06	6.28E-06
3264	437701.9	3761980	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
3265	437710.5	3761984	2.50E-05	8.52E-05	3.88E-06	1.39E-05	2.09E-06	6.46E-06
3266	437719.1	3761987	2.53E-05	8.63E-05	3.93E-06	1.41E-05	2.12E-06	6.54E-06
3267	437727.6	3761991	2.56E-05	8.74E-05	3.98E-06	1.43E-05	2.15E-06	6.62E-06
3268	437736.2	3761994	2.60E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.71E-06
3269	437744.8	3761998	2.63E-05	8.96E-05	4.08E-06	1.46E-05	2.20E-06	6.79E-06
3270	437993.5	3762101	3.32E-05	1.13E-04	5.15E-06	1.85E-05	2.78E-06	8.57E-06
3271	438002.1	3762105	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.61E-06
3272	438010.7	3762108	3.34E-05	1.14E-04	5.20E-06	1.86E-05	2.80E-06	8.64E-06

3273	438019.3	3762112	3.36E-05	1.14E-04	5.22E-06	1.87E-05	2.81E-06	8.67E-06
3274	438027.9	3762115	3.37E-05	1.15E-04	5.23E-06	1.88E-05	2.82E-06	8.71E-06
3275	438036.4	3762119	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.73E-06
3276	438045	3762122	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.76E-06
3277	438053.6	3762126	3.40E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.78E-06
3278	438062.2	3762130	3.41E-05	1.16E-04	5.29E-06	1.90E-05	2.85E-06	8.80E-06
3279	438070.7	3762133	3.41E-05	1.16E-04	5.31E-06	1.90E-05	2.86E-06	8.82E-06
3280	438079.3	3762137	3.42E-05	1.17E-04	5.32E-06	1.91E-05	2.86E-06	8.84E-06
3281	438087.9	3762140	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
3282	438096.5	3762144	3.44E-05	1.17E-04	5.34E-06	1.91E-05	2.88E-06	8.88E-06
3283	438105.1	3762147	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.89E-06
3284	438113.6	3762151	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.91E-06
3285	438125.8	3762163	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.93E-06	9.06E-06
3286	438129.3	3762172	3.56E-05	1.21E-04	5.53E-06	1.98E-05	2.98E-06	9.20E-06
3287	438132.9	3762180	3.62E-05	1.23E-04	5.62E-06	2.01E-05	3.03E-06	9.34E-06
3288	438136.4	3762189	3.67E-05	1.25E-04	5.71E-06	2.05E-05	3.07E-06	9.49E-06
3289	438139.9	3762197	3.73E-05	1.27E-04	5.80E-06	2.08E-05	3.12E-06	9.64E-06
3290	438143.5	3762206	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.79E-06
3291	438147	3762215	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
3292	438150.6	3762223	3.91E-05	1.33E-04	6.07E-06	2.18E-05	3.27E-06	1.01E-05
3293	438154.1	3762232	3.97E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.03E-05
3294	438157.7	3762240	4.03E-05	1.37E-04	6.26E-06	2.24E-05	3.37E-06	1.04E-05
3295	438161.2	3762249	4.09E-05	1.39E-04	6.36E-06	2.28E-05	3.42E-06	1.06E-05
3296	438164.7	3762257	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
3297	438168.3	3762266	4.22E-05	1.44E-04	6.55E-06	2.35E-05	3.53E-06	1.09E-05
3298	438171.8	3762275	4.28E-05	1.46E-04	6.65E-06	2.39E-05	3.58E-06	1.11E-05
3299	438175.4	3762283	4.35E-05	1.48E-04	6.76E-06	2.42E-05	3.64E-06	1.12E-05
3300	438178.9	3762292	4.42E-05	1.51E-04	6.86E-06	2.46E-05	3.70E-06	1.14E-05
3301	438182.5	3762300	4.49E-05	1.53E-04	6.97E-06	2.50E-05	3.76E-06	1.16E-05
3302	438186	3762309	4.56E-05	1.55E-04	7.08E-06	2.54E-05	3.82E-06	1.18E-05
3303	438189.6	3762317	4.63E-05	1.58E-04	7.20E-06	2.58E-05	3.88E-06	1.20E-05
3304	438193.1	3762326	4.71E-05	1.61E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
3305	438196.6	3762335	4.78E-05	1.63E-04	7.43E-06	2.67E-05	4.00E-06	1.24E-05
3306	438200.2	3762343	4.86E-05	1.66E-04	7.56E-06	2.71E-05	4.07E-06	1.26E-05
3307	438203.7	3762352	4.95E-05	1.69E-04	7.69E-06	2.76E-05	4.14E-06	1.28E-05
3308	438207.3	3762360	5.03E-05	1.72E-04	7.82E-06	2.80E-05	4.21E-06	1.30E-05
3309	438210.8	3762369	5.12E-05	1.74E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
3310	438214.4	3762378	5.21E-05	1.78E-04	8.09E-06	2.90E-05	4.36E-06	1.35E-05
3311	438217.9	3762386	5.30E-05	1.81E-04	8.23E-06	2.95E-05	4.44E-06	1.37E-05
3312	438221.5	3762395	5.39E-05	1.84E-04	8.38E-06	3.00E-05	4.51E-06	1.39E-05
3313	438225	3762403	5.49E-05	1.87E-04	8.53E-06	3.06E-05	4.60E-06	1.42E-05
3314	438228.5	3762412	5.59E-05	1.91E-04	8.69E-06	3.12E-05	4.68E-06	1.45E-05
3315	438232.1	3762420	5.70E-05	1.94E-04	8.85E-06	3.17E-05	4.77E-06	1.47E-05
3316	438235.6	3762429	5.80E-05	1.98E-04	9.02E-06	3.23E-05	4.86E-06	1.50E-05
3317	438239.2	3762438	5.91E-05	2.02E-04	9.19E-06	3.29E-05	4.95E-06	1.53E-05
3318	438242.7	3762446	6.03E-05	2.06E-04	9.37E-06	3.36E-05	5.05E-06	1.56E-05
3319	438246.3	3762455	6.14E-05	2.10E-04	9.55E-06	3.42E-05	5.14E-06	1.59E-05
3320	438249.8	3762463	6.26E-05	2.14E-04	9.73E-06	3.49E-05	5.24E-06	1.62E-05
3321	438253.4	3762472	6.39E-05	2.18E-04	9.92E-06	3.56E-05	5.34E-06	1.65E-05
3322	438256.9	3762481	6.51E-05	2.22E-04	1.01E-05	3.63E-05	5.45E-06	1.68E-05
3323	438260.4	3762489	6.64E-05	2.26E-04	1.03E-05	3.70E-05	5.55E-06	1.71E-05
3324	438264	3762498	6.76E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05

3325	438299.4	3762584	8.15E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.11E-05
3326	438313.6	3762618	8.72E-05	2.97E-04	1.35E-05	4.86E-05	7.30E-06	2.25E-05
3327	438317.2	3762626	8.86E-05	3.02E-04	1.38E-05	4.94E-05	7.42E-06	2.29E-05
3328	438320.7	3762635	9.00E-05	3.07E-04	1.40E-05	5.01E-05	7.53E-06	2.33E-05
3329	438324.2	3762644	9.13E-05	3.11E-04	1.42E-05	5.09E-05	7.65E-06	2.36E-05
3330	438327.8	3762652	9.27E-05	3.16E-04	1.44E-05	5.16E-05	7.76E-06	2.40E-05
3331	438331.3	3762661	9.40E-05	3.21E-04	1.46E-05	5.24E-05	7.87E-06	2.43E-05
3332	438334.9	3762669	9.53E-05	3.25E-04	1.48E-05	5.31E-05	7.98E-06	2.46E-05
3333	438338.4	3762678	9.66E-05	3.29E-04	1.50E-05	5.38E-05	8.08E-06	2.49E-05
3334	438342	3762687	9.78E-05	3.33E-04	1.52E-05	5.45E-05	8.18E-06	2.53E-05
3335	438345.5	3762695	9.90E-05	3.37E-04	1.54E-05	5.51E-05	8.28E-06	2.56E-05
3336	438349.1	3762704	1.00E-04	3.41E-04	1.56E-05	5.58E-05	8.38E-06	2.59E-05
3337	437616.4	3761905	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
3338	437625	3761908	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
3339	437633.6	3761912	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
3340	437642.2	3761915	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
3341	437650.8	3761919	2.07E-05	7.06E-05	3.22E-06	1.15E-05	1.73E-06	5.35E-06
3342	437659.5	3761923	2.10E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
3343	437668.1	3761926	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
3344	437676.7	3761930	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
3345	437685.3	3761933	2.19E-05	7.46E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
3346	437693.9	3761937	2.22E-05	7.56E-05	3.45E-06	1.24E-05	1.86E-06	5.73E-06
3347	437702.5	3761940	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
3348	437711.1	3761944	2.28E-05	7.76E-05	3.54E-06	1.27E-05	1.91E-06	5.88E-06
3349	437719.8	3761948	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
3350	437728.4	3761951	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
3351	437737	3761955	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
3352	437745.6	3761958	2.39E-05	8.16E-05	3.72E-06	1.33E-05	2.00E-06	6.18E-06
3353	437754.2	3761962	2.42E-05	8.26E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
3354	437762.8	3761965	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
3355	437771.5	3761969	2.48E-05	8.46E-05	3.86E-06	1.38E-05	2.08E-06	6.41E-06
3356	437780.1	3761973	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
3357	437788.7	3761976	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
3358	437797.3	3761980	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
3359	437805.9	3761983	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
3360	437814.5	3761987	2.62E-05	8.92E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
3361	437823.1	3761990	2.64E-05	9.01E-05	4.11E-06	1.47E-05	2.21E-06	6.83E-06
3362	437831.8	3761994	2.67E-05	9.09E-05	4.14E-06	1.48E-05	2.23E-06	6.89E-06
3363	437840.4	3761998	2.69E-05	9.17E-05	4.18E-06	1.50E-05	2.25E-06	6.95E-06
3364	438090.2	3762101	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.64E-06	8.14E-06
3365	438098.8	3762105	3.16E-05	1.08E-04	4.90E-06	1.76E-05	2.64E-06	8.16E-06
3366	438107.4	3762108	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.65E-06	8.17E-06
3367	438116.1	3762112	3.17E-05	1.08E-04	4.92E-06	1.77E-05	2.65E-06	8.19E-06
3368	438124.7	3762115	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.20E-06
3369	438133.3	3762119	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.22E-06
3370	438141.9	3762123	3.19E-05	1.09E-04	4.95E-06	1.77E-05	2.67E-06	8.23E-06
3371	438154.1	3762135	3.24E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.36E-06
3372	438157.6	3762143	3.28E-05	1.12E-04	5.10E-06	1.83E-05	2.75E-06	8.49E-06
3373	438161.2	3762152	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.61E-06
3374	438164.8	3762161	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.74E-06
3375	438168.3	3762169	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
3376	438171.9	3762178	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.91E-06	8.99E-06

3377	438175.4	3762187	3.53E-05	1.20E-04	5.49E-06	1.97E-05	2.96E-06	9.13E-06
3378	438179	3762195	3.58E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.26E-06
3379	438182.6	3762204	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.04E-06	9.40E-06
3380	438186.1	3762212	3.69E-05	1.26E-04	5.73E-06	2.05E-05	3.09E-06	9.53E-06
3381	438189.7	3762221	3.74E-05	1.28E-04	5.81E-06	2.08E-05	3.13E-06	9.67E-06
3382	438193.2	3762230	3.80E-05	1.29E-04	5.90E-06	2.12E-05	3.18E-06	9.81E-06
3383	438196.8	3762238	3.85E-05	1.31E-04	5.99E-06	2.15E-05	3.22E-06	9.96E-06
3384	438200.4	3762247	3.91E-05	1.33E-04	6.07E-06	2.18E-05	3.27E-06	1.01E-05
3385	438203.9	3762255	3.97E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.03E-05
3386	438207.5	3762264	4.03E-05	1.37E-04	6.25E-06	2.24E-05	3.37E-06	1.04E-05
3387	438211	3762273	4.08E-05	1.39E-04	6.35E-06	2.28E-05	3.42E-06	1.06E-05
3388	438214.6	3762281	4.15E-05	1.41E-04	6.44E-06	2.31E-05	3.47E-06	1.07E-05
3389	438218.2	3762290	4.21E-05	1.43E-04	6.54E-06	2.34E-05	3.52E-06	1.09E-05
3390	438221.7	3762299	4.27E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
3391	438225.3	3762307	4.34E-05	1.48E-04	6.74E-06	2.42E-05	3.63E-06	1.12E-05
3392	438228.8	3762316	4.40E-05	1.50E-04	6.84E-06	2.45E-05	3.69E-06	1.14E-05
3393	438232.4	3762324	4.47E-05	1.53E-04	6.95E-06	2.49E-05	3.74E-06	1.16E-05
3394	438236	3762333	4.54E-05	1.55E-04	7.06E-06	2.53E-05	3.80E-06	1.17E-05
3395	438239.5	3762342	4.62E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
3396	438243.1	3762350	4.69E-05	1.60E-04	7.29E-06	2.61E-05	3.93E-06	1.21E-05
3397	438246.6	3762359	4.77E-05	1.63E-04	7.41E-06	2.66E-05	3.99E-06	1.23E-05
3398	438250.2	3762368	4.85E-05	1.65E-04	7.53E-06	2.70E-05	4.06E-06	1.25E-05
3399	438253.8	3762376	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
3400	438257.3	3762385	5.01E-05	1.71E-04	7.79E-06	2.79E-05	4.20E-06	1.30E-05
3401	438260.9	3762393	5.10E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
3402	438264.4	3762402	5.19E-05	1.77E-04	8.07E-06	2.89E-05	4.35E-06	1.34E-05
3403	438268	3762411	5.28E-05	1.80E-04	8.21E-06	2.94E-05	4.42E-06	1.37E-05
3404	438271.6	3762419	5.38E-05	1.83E-04	8.36E-06	3.00E-05	4.50E-06	1.39E-05
3405	438275.1	3762428	5.48E-05	1.87E-04	8.51E-06	3.05E-05	4.58E-06	1.42E-05
3406	438278.7	3762436	5.58E-05	1.90E-04	8.67E-06	3.11E-05	4.67E-06	1.44E-05
3407	438282.2	3762445	5.68E-05	1.94E-04	8.83E-06	3.16E-05	4.75E-06	1.47E-05
3408	438285.8	3762454	5.78E-05	1.97E-04	8.99E-06	3.22E-05	4.84E-06	1.49E-05
3409	438289.4	3762462	5.89E-05	2.01E-04	9.15E-06	3.28E-05	4.93E-06	1.52E-05
3410	438292.9	3762471	6.00E-05	2.05E-04	9.33E-06	3.34E-05	5.02E-06	1.55E-05
3411	438296.5	3762480	6.11E-05	2.08E-04	9.50E-06	3.41E-05	5.12E-06	1.58E-05
3412	438300	3762488	6.23E-05	2.12E-04	9.67E-06	3.47E-05	5.21E-06	1.61E-05
3413	438303.6	3762497	6.34E-05	2.16E-04	9.85E-06	3.53E-05	5.31E-06	1.64E-05
3414	438317.8	3762531	6.82E-05	2.33E-04	1.06E-05	3.80E-05	5.71E-06	1.76E-05
3415	438321.4	3762540	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
3416	438324.9	3762549	7.07E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
3417	438328.5	3762557	7.19E-05	2.45E-04	1.12E-05	4.01E-05	6.02E-06	1.86E-05
3418	438332.1	3762566	7.32E-05	2.50E-04	1.14E-05	4.08E-05	6.12E-06	1.89E-05
3419	438335.6	3762574	7.44E-05	2.54E-04	1.16E-05	4.15E-05	6.23E-06	1.92E-05
3420	438339.2	3762583	7.57E-05	2.58E-04	1.18E-05	4.22E-05	6.33E-06	1.96E-05
3421	438342.7	3762592	7.69E-05	2.62E-04	1.20E-05	4.29E-05	6.44E-06	1.99E-05
3422	438389	3762704	9.20E-05	3.14E-04	1.43E-05	5.13E-05	7.70E-06	2.38E-05
3423	438392.6	3762712	9.31E-05	3.17E-04	1.45E-05	5.18E-05	7.79E-06	2.40E-05
3424	437668.5	3761886	1.96E-05	6.68E-05	3.04E-06	1.09E-05	1.64E-06	5.06E-06
3425	437677.2	3761890	1.98E-05	6.76E-05	3.08E-06	1.10E-05	1.66E-06	5.12E-06
3426	437685.8	3761894	2.01E-05	6.85E-05	3.12E-06	1.12E-05	1.68E-06	5.19E-06
3427	437694.5	3761897	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
3428	437703.1	3761901	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06

3429	437711.8	3761904	2.08E-05	7.10E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
3430	437720.4	3761908	2.11E-05	7.19E-05	3.28E-06	1.17E-05	1.76E-06	5.45E-06
3431	437729.1	3761911	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
3432	437737.7	3761915	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
3433	437746.4	3761919	2.19E-05	7.45E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
3434	437755	3761922	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
3435	437763.7	3761926	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
3436	437772.3	3761929	2.27E-05	7.74E-05	3.52E-06	1.26E-05	1.90E-06	5.86E-06
3437	437781	3761933	2.30E-05	7.83E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
3438	437789.6	3761937	2.32E-05	7.92E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
3439	437798.3	3761940	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
3440	437806.9	3761944	2.37E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
3441	437815.5	3761947	2.40E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
3442	437824.2	3761951	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
3443	437832.8	3761954	2.44E-05	8.34E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
3444	437841.5	3761958	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
3445	437850.1	3761962	2.49E-05	8.48E-05	3.86E-06	1.39E-05	2.08E-06	6.43E-06
3446	437858.8	3761965	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
3447	437867.4	3761969	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
3448	437876.1	3761972	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
3449	437884.7	3761976	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
3450	437893.4	3761980	2.58E-05	8.81E-05	4.02E-06	1.44E-05	2.16E-06	6.68E-06
3451	437902	3761983	2.60E-05	8.88E-05	4.05E-06	1.45E-05	2.18E-06	6.73E-06
3452	437910.7	3761987	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
3453	437919.3	3761990	2.64E-05	9.00E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06
3454	437928	3761994	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.87E-06
3455	437936.6	3761997	2.68E-05	9.13E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
3456	438182.4	3762107	3.00E-05	1.02E-04	4.67E-06	1.67E-05	2.51E-06	7.76E-06
3457	438186	3762115	3.05E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.87E-06
3458	438189.5	3762124	3.09E-05	1.05E-04	4.80E-06	1.72E-05	2.59E-06	7.98E-06
3459	438193.1	3762133	3.13E-05	1.07E-04	4.87E-06	1.74E-05	2.62E-06	8.09E-06
3460	438196.7	3762141	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.20E-06
3461	438200.3	3762150	3.22E-05	1.10E-04	5.00E-06	1.79E-05	2.69E-06	8.31E-06
3462	438203.8	3762158	3.26E-05	1.11E-04	5.07E-06	1.82E-05	2.73E-06	8.43E-06
3463	438207.4	3762167	3.31E-05	1.13E-04	5.14E-06	1.84E-05	2.77E-06	8.54E-06
3464	438211	3762176	3.35E-05	1.14E-04	5.21E-06	1.87E-05	2.80E-06	8.66E-06
3465	438214.6	3762184	3.40E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.78E-06
3466	438218.1	3762193	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.90E-06
3467	438221.7	3762202	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.02E-06
3468	438225.3	3762210	3.54E-05	1.21E-04	5.50E-06	1.97E-05	2.96E-06	9.14E-06
3469	438228.9	3762219	3.59E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.27E-06
3470	438232.4	3762228	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.04E-06	9.40E-06
3471	438236	3762236	3.69E-05	1.26E-04	5.73E-06	2.05E-05	3.09E-06	9.53E-06
3472	438239.6	3762245	3.74E-05	1.27E-04	5.81E-06	2.08E-05	3.13E-06	9.66E-06
3473	438243.2	3762254	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.79E-06
3474	438246.7	3762262	3.84E-05	1.31E-04	5.97E-06	2.14E-05	3.22E-06	9.93E-06
3475	438250.3	3762271	3.90E-05	1.33E-04	6.06E-06	2.17E-05	3.26E-06	1.01E-05
3476	438253.9	3762280	3.95E-05	1.35E-04	6.14E-06	2.20E-05	3.31E-06	1.02E-05
3477	438257.4	3762288	4.01E-05	1.37E-04	6.23E-06	2.23E-05	3.36E-06	1.04E-05
3478	438261	3762297	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.41E-06	1.05E-05
3479	438264.6	3762306	4.13E-05	1.41E-04	6.42E-06	2.30E-05	3.46E-06	1.07E-05
3480	438268.2	3762314	4.19E-05	1.43E-04	6.51E-06	2.33E-05	3.51E-06	1.08E-05

3481	438271.7	3762323	4.25E-05	1.45E-04	6.61E-06	2.37E-05	3.56E-06	1.10E-05
3482	438275.3	3762332	4.32E-05	1.47E-04	6.71E-06	2.41E-05	3.62E-06	1.12E-05
3483	438278.9	3762340	4.39E-05	1.50E-04	6.82E-06	2.44E-05	3.67E-06	1.13E-05
3484	438282.5	3762349	4.46E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
3485	438286	3762358	4.53E-05	1.54E-04	7.03E-06	2.52E-05	3.79E-06	1.17E-05
3486	438300.3	3762392	4.84E-05	1.65E-04	7.51E-06	2.69E-05	4.05E-06	1.25E-05
3487	438303.9	3762401	4.92E-05	1.68E-04	7.64E-06	2.74E-05	4.12E-06	1.27E-05
3488	438307.5	3762409	5.00E-05	1.71E-04	7.77E-06	2.79E-05	4.19E-06	1.29E-05
3489	438311.1	3762418	5.09E-05	1.74E-04	7.91E-06	2.84E-05	4.26E-06	1.32E-05
3490	438314.6	3762427	5.18E-05	1.77E-04	8.05E-06	2.88E-05	4.33E-06	1.34E-05
3491	438325.4	3762453	5.46E-05	1.86E-04	8.48E-06	3.04E-05	4.57E-06	1.41E-05
3492	438328.9	3762461	5.56E-05	1.89E-04	8.63E-06	3.10E-05	4.65E-06	1.44E-05
3493	438332.5	3762470	5.66E-05	1.93E-04	8.79E-06	3.15E-05	4.73E-06	1.46E-05
3494	438336.1	3762479	5.76E-05	1.96E-04	8.94E-06	3.21E-05	4.82E-06	1.49E-05
3495	438339.6	3762487	5.86E-05	2.00E-04	9.10E-06	3.26E-05	4.90E-06	1.51E-05
3496	438343.2	3762496	5.96E-05	2.03E-04	9.26E-06	3.32E-05	4.99E-06	1.54E-05
3497	438346.8	3762505	6.07E-05	2.07E-04	9.43E-06	3.38E-05	5.08E-06	1.57E-05
3498	438389.7	3762609	7.38E-05	2.52E-04	1.15E-05	4.11E-05	6.18E-06	1.91E-05
3499	438393.3	3762617	7.49E-05	2.55E-04	1.16E-05	4.17E-05	6.27E-06	1.93E-05
3500	438396.8	3762626	7.60E-05	2.59E-04	1.18E-05	4.23E-05	6.36E-06	1.96E-05
3501	438400.4	3762634	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.45E-06	1.99E-05
3502	438404	3762643	7.81E-05	2.66E-04	1.21E-05	4.35E-05	6.54E-06	2.02E-05
3503	438407.6	3762652	7.91E-05	2.70E-04	1.23E-05	4.41E-05	6.62E-06	2.04E-05
3504	438411.1	3762660	8.01E-05	2.73E-04	1.24E-05	4.46E-05	6.71E-06	2.07E-05
3505	438414.7	3762669	8.11E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
3506	438418.3	3762678	8.21E-05	2.80E-04	1.28E-05	4.57E-05	6.87E-06	2.12E-05
3507	438421.8	3762686	8.30E-05	2.83E-04	1.29E-05	4.62E-05	6.95E-06	2.14E-05
3508	438425.4	3762695	8.39E-05	2.86E-04	1.30E-05	4.68E-05	7.03E-06	2.17E-05
3509	438429	3762704	8.49E-05	2.89E-04	1.32E-05	4.73E-05	7.10E-06	2.19E-05
3510	438432.6	3762712	8.57E-05	2.92E-04	1.33E-05	4.78E-05	7.18E-06	2.22E-05
3511	437693.1	3761857	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.83E-06
3512	437701.7	3761860	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
3513	437710.3	3761864	1.91E-05	6.53E-05	2.97E-06	1.07E-05	1.60E-06	4.95E-06
3514	437718.8	3761867	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
3515	437727.4	3761871	1.96E-05	6.68E-05	3.05E-06	1.09E-05	1.64E-06	5.06E-06
3516	437736	3761874	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
3517	437744.5	3761878	2.01E-05	6.85E-05	3.12E-06	1.12E-05	1.68E-06	5.19E-06
3518	437753.1	3761881	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
3519	437761.7	3761885	2.06E-05	7.01E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
3520	437770.2	3761889	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.38E-06
3521	437778.8	3761892	2.10E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
3522	437787.4	3761896	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
3523	437795.9	3761899	2.15E-05	7.34E-05	3.35E-06	1.20E-05	1.80E-06	5.57E-06
3524	437804.5	3761903	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.63E-06
3525	437813.1	3761906	2.20E-05	7.50E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
3526	437821.6	3761910	2.22E-05	7.58E-05	3.45E-06	1.24E-05	1.86E-06	5.74E-06
3527	437830.2	3761913	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
3528	437838.8	3761917	2.26E-05	7.71E-05	3.52E-06	1.26E-05	1.89E-06	5.85E-06
3529	437847.3	3761920	2.28E-05	7.78E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
3530	437855.9	3761924	2.30E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
3531	437864.5	3761928	2.32E-05	7.91E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
3532	437873	3761931	2.34E-05	7.97E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06

3533	437881.6	3761935	2.36E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
3534	437890.2	3761938	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
3535	437898.7	3761942	2.39E-05	8.15E-05	3.72E-06	1.33E-05	2.00E-06	6.18E-06
3536	437907.3	3761945	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.02E-06	6.22E-06
3537	437915.9	3761949	2.42E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
3538	437924.4	3761952	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
3539	437933	3761956	2.45E-05	8.37E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
3540	437941.6	3761960	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
3541	437950.1	3761963	2.48E-05	8.47E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
3542	437958.7	3761967	2.50E-05	8.52E-05	3.88E-06	1.39E-05	2.09E-06	6.46E-06
3543	437967.3	3761970	2.51E-05	8.57E-05	3.91E-06	1.40E-05	2.10E-06	6.49E-06
3544	437975.8	3761974	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
3545	438070.1	3762013	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
3546	438078.6	3762016	2.67E-05	9.11E-05	4.15E-06	1.49E-05	2.24E-06	6.90E-06
3547	438087.2	3762020	2.68E-05	9.14E-05	4.16E-06	1.49E-05	2.24E-06	6.93E-06
3548	438095.8	3762023	2.69E-05	9.17E-05	4.18E-06	1.50E-05	2.25E-06	6.95E-06
3549	438104.3	3762027	2.70E-05	9.20E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
3550	438112.9	3762031	2.71E-05	9.23E-05	4.20E-06	1.51E-05	2.26E-06	6.99E-06
3551	438121.5	3762034	2.71E-05	9.25E-05	4.22E-06	1.51E-05	2.27E-06	7.01E-06
3552	438130	3762038	2.72E-05	9.27E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
3553	438138.6	3762041	2.73E-05	9.30E-05	4.24E-06	1.52E-05	2.28E-06	7.04E-06
3554	438147.2	3762045	2.73E-05	9.32E-05	4.25E-06	1.52E-05	2.29E-06	7.06E-06
3555	438221.3	3762104	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.43E-06	7.51E-06
3556	438224.8	3762112	2.95E-05	1.00E-04	4.58E-06	1.64E-05	2.47E-06	7.61E-06
3557	438228.4	3762121	2.98E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
3558	438231.9	3762130	3.02E-05	1.03E-04	4.70E-06	1.68E-05	2.53E-06	7.81E-06
3559	438235.4	3762138	3.06E-05	1.04E-04	4.76E-06	1.70E-05	2.56E-06	7.91E-06
3560	438239	3762147	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.59E-06	8.01E-06
3561	438242.5	3762155	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
3562	438246.1	3762164	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.22E-06
3563	438249.6	3762172	3.22E-05	1.10E-04	5.00E-06	1.79E-05	2.70E-06	8.32E-06
3564	438253.1	3762181	3.26E-05	1.11E-04	5.07E-06	1.82E-05	2.73E-06	8.43E-06
3565	438256.7	3762190	3.30E-05	1.13E-04	5.13E-06	1.84E-05	2.76E-06	8.53E-06
3566	438260.2	3762198	3.35E-05	1.14E-04	5.20E-06	1.86E-05	2.80E-06	8.64E-06
3567	438263.8	3762207	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.76E-06
3568	438267.3	3762215	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.87E-06
3569	438270.8	3762224	3.48E-05	1.19E-04	5.40E-06	1.94E-05	2.91E-06	8.98E-06
3570	438274.4	3762232	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.10E-06
3571	438277.9	3762241	3.57E-05	1.22E-04	5.54E-06	1.99E-05	2.99E-06	9.22E-06
3572	438281.5	3762250	3.62E-05	1.23E-04	5.62E-06	2.01E-05	3.03E-06	9.34E-06
3573	438285	3762258	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.07E-06	9.46E-06
3574	438288.5	3762267	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
3575	438292.1	3762275	3.76E-05	1.28E-04	5.84E-06	2.10E-05	3.15E-06	9.72E-06
3576	438295.6	3762284	3.81E-05	1.30E-04	5.93E-06	2.12E-05	3.19E-06	9.85E-06
3577	438299.2	3762292	3.87E-05	1.32E-04	6.01E-06	2.15E-05	3.24E-06	9.99E-06
3578	438302.7	3762301	3.92E-05	1.34E-04	6.09E-06	2.18E-05	3.28E-06	1.01E-05
3579	438306.2	3762310	3.98E-05	1.36E-04	6.18E-06	2.21E-05	3.33E-06	1.03E-05
3580	438309.8	3762318	4.03E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
3581	438313.3	3762327	4.09E-05	1.40E-04	6.36E-06	2.28E-05	3.42E-06	1.06E-05
3582	438316.9	3762335	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
3583	438320.4	3762344	4.21E-05	1.44E-04	6.55E-06	2.35E-05	3.53E-06	1.09E-05
3584	438323.9	3762352	4.28E-05	1.46E-04	6.65E-06	2.38E-05	3.58E-06	1.11E-05

3585	438327.5	3762361	4.34E-05	1.48E-04	6.75E-06	2.42E-05	3.64E-06	1.12E-05
3586	438341.6	3762395	4.63E-05	1.58E-04	7.19E-06	2.58E-05	3.87E-06	1.20E-05
3587	438345.2	3762404	4.71E-05	1.60E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
3588	438348.7	3762412	4.78E-05	1.63E-04	7.43E-06	2.66E-05	4.00E-06	1.24E-05
3589	438391.2	3762515	5.84E-05	1.99E-04	9.07E-06	3.25E-05	4.89E-06	1.51E-05
3590	438394.7	3762524	5.93E-05	2.02E-04	9.22E-06	3.31E-05	4.97E-06	1.53E-05
3591	438398.3	3762532	6.03E-05	2.06E-04	9.37E-06	3.36E-05	5.05E-06	1.56E-05
3592	438401.8	3762541	6.13E-05	2.09E-04	9.52E-06	3.41E-05	5.13E-06	1.58E-05
3593	438405.4	3762550	6.22E-05	2.12E-04	9.67E-06	3.47E-05	5.21E-06	1.61E-05
3594	438408.9	3762558	6.32E-05	2.15E-04	9.82E-06	3.52E-05	5.29E-06	1.63E-05
3595	438412.4	3762567	6.41E-05	2.19E-04	9.96E-06	3.57E-05	5.37E-06	1.66E-05
3596	438416	3762575	6.51E-05	2.22E-04	1.01E-05	3.63E-05	5.45E-06	1.68E-05
3597	438419.5	3762584	6.60E-05	2.25E-04	1.03E-05	3.68E-05	5.53E-06	1.71E-05
3598	438423	3762592	6.70E-05	2.28E-04	1.04E-05	3.73E-05	5.61E-06	1.73E-05
3599	438426.6	3762601	6.79E-05	2.32E-04	1.06E-05	3.78E-05	5.69E-06	1.76E-05
3600	438430.1	3762610	6.89E-05	2.35E-04	1.07E-05	3.84E-05	5.77E-06	1.78E-05
3601	438433.7	3762618	6.98E-05	2.38E-04	1.09E-05	3.89E-05	5.85E-06	1.80E-05
3602	438437.2	3762627	7.08E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
3603	438440.7	3762635	7.17E-05	2.45E-04	1.11E-05	3.99E-05	6.00E-06	1.85E-05
3604	438444.3	3762644	7.26E-05	2.48E-04	1.13E-05	4.05E-05	6.08E-06	1.88E-05
3605	438447.8	3762652	7.35E-05	2.51E-04	1.14E-05	4.10E-05	6.15E-06	1.90E-05
3606	438451.4	3762661	7.44E-05	2.54E-04	1.16E-05	4.14E-05	6.23E-06	1.92E-05
3607	438454.9	3762670	7.53E-05	2.57E-04	1.17E-05	4.19E-05	6.30E-06	1.94E-05
3608	438458.4	3762678	7.61E-05	2.60E-04	1.18E-05	4.24E-05	6.37E-06	1.97E-05
3609	438462	3762687	7.69E-05	2.62E-04	1.20E-05	4.29E-05	6.44E-06	1.99E-05
3610	438465.5	3762695	7.77E-05	2.65E-04	1.21E-05	4.33E-05	6.51E-06	2.01E-05
3611	438469.1	3762704	7.85E-05	2.68E-04	1.22E-05	4.37E-05	6.57E-06	2.03E-05
3612	438472.6	3762712	7.93E-05	2.70E-04	1.23E-05	4.42E-05	6.64E-06	2.05E-05
3613	437537.3	3761800	1.50E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
3614	437527.9	3761800	1.49E-05	5.08E-05	2.31E-06	8.30E-06	1.25E-06	3.85E-06
3615	437518.5	3761800	1.48E-05	5.05E-05	2.30E-06	8.24E-06	1.24E-06	3.82E-06
3616	437509.1	3761800	1.47E-05	5.01E-05	2.28E-06	8.19E-06	1.23E-06	3.80E-06
3617	437499.7	3761800	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
3618	437490.3	3761800	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.22E-06	3.75E-06
3619	437480.9	3761800	1.44E-05	4.92E-05	2.24E-06	8.04E-06	1.21E-06	3.73E-06
3620	437471.5	3761800	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
3621	437462.2	3761800	1.42E-05	4.86E-05	2.21E-06	7.94E-06	1.19E-06	3.68E-06
3622	437719.5	3761827	1.80E-05	6.12E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
3623	437728.1	3761831	1.82E-05	6.20E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
3624	437736.7	3761835	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
3625	437745.3	3761838	1.86E-05	6.35E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
3626	437753.9	3761842	1.89E-05	6.43E-05	2.93E-06	1.05E-05	1.58E-06	4.87E-06
3627	437762.5	3761845	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
3628	437771.1	3761849	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
3629	437779.7	3761852	1.95E-05	6.66E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
3630	437788.3	3761856	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.65E-06	5.11E-06
3631	437796.8	3761860	2.00E-05	6.81E-05	3.11E-06	1.11E-05	1.67E-06	5.16E-06
3632	437805.4	3761863	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
3633	437814	3761867	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
3634	437822.6	3761870	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.73E-06	5.33E-06
3635	437831.2	3761874	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
3636	437839.8	3761877	2.10E-05	7.15E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06

3637	437848.4	3761881	2.11E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.46E-06
3638	437857	3761885	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
3639	437865.6	3761888	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
3640	437874.2	3761892	2.16E-05	7.38E-05	3.36E-06	1.21E-05	1.81E-06	5.59E-06
3641	437882.8	3761895	2.18E-05	7.44E-05	3.39E-06	1.22E-05	1.83E-06	5.64E-06
3642	437891.4	3761899	2.20E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.68E-06
3643	437900	3761902	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
3644	437908.6	3761906	2.23E-05	7.60E-05	3.46E-06	1.24E-05	1.86E-06	5.76E-06
3645	437917.2	3761909	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
3646	437925.8	3761913	2.26E-05	7.70E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
3647	437934.4	3761917	2.27E-05	7.75E-05	3.53E-06	1.27E-05	1.90E-06	5.87E-06
3648	437943	3761920	2.29E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
3649	437951.6	3761924	2.30E-05	7.84E-05	3.57E-06	1.28E-05	1.92E-06	5.94E-06
3650	437960.2	3761927	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.94E-06	5.97E-06
3651	437968.8	3761931	2.33E-05	7.93E-05	3.61E-06	1.30E-05	1.95E-06	6.01E-06
3652	437977.4	3761934	2.34E-05	7.97E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06
3653	438046.2	3761963	2.44E-05	8.31E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
3654	438054.8	3761967	2.45E-05	8.35E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
3655	438063.4	3761970	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
3656	438072	3761974	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.07E-06	6.38E-06
3657	438080.6	3761977	2.48E-05	8.45E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
3658	438089.2	3761981	2.49E-05	8.48E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
3659	438097.8	3761984	2.50E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
3660	438106.4	3761988	2.50E-05	8.54E-05	3.89E-06	1.39E-05	2.10E-06	6.47E-06
3661	438115	3761991	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
3662	438123.6	3761995	2.52E-05	8.59E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
3663	438132.2	3761999	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
3664	438140.8	3762002	2.53E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
3665	438149.4	3762006	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
3666	438158	3762009	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
3667	438166.6	3762013	2.55E-05	8.70E-05	3.97E-06	1.42E-05	2.14E-06	6.59E-06
3668	438175.2	3762016	2.56E-05	8.72E-05	3.97E-06	1.42E-05	2.14E-06	6.61E-06
3669	438183.8	3762020	2.56E-05	8.74E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
3670	438192.4	3762024	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
3671	438201	3762027	2.57E-05	8.77E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
3672	438209.6	3762031	2.57E-05	8.78E-05	4.00E-06	1.43E-05	2.15E-06	6.65E-06
3673	438218.2	3762034	2.58E-05	8.79E-05	4.00E-06	1.44E-05	2.16E-06	6.66E-06
3674	438226.8	3762038	2.58E-05	8.80E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
3675	438260.3	3762102	2.81E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
3676	438263.9	3762110	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
3677	438267.4	3762119	2.88E-05	9.83E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
3678	438271	3762127	2.92E-05	9.95E-05	4.53E-06	1.63E-05	2.44E-06	7.54E-06
3679	438274.5	3762136	2.95E-05	1.01E-04	4.59E-06	1.65E-05	2.47E-06	7.63E-06
3680	438278.1	3762145	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
3681	438281.6	3762153	3.03E-05	1.03E-04	4.70E-06	1.69E-05	2.53E-06	7.82E-06
3682	438285.2	3762162	3.06E-05	1.04E-04	4.76E-06	1.71E-05	2.56E-06	7.92E-06
3683	438288.7	3762170	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.01E-06
3684	438292.3	3762179	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
3685	438295.8	3762188	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.21E-06
3686	438299.4	3762196	3.22E-05	1.10E-04	5.00E-06	1.79E-05	2.69E-06	8.31E-06
3687	438302.9	3762205	3.25E-05	1.11E-04	5.06E-06	1.81E-05	2.72E-06	8.41E-06
3688	438306.5	3762213	3.29E-05	1.12E-04	5.12E-06	1.83E-05	2.76E-06	8.51E-06

3689	438310.1	3762222	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.62E-06
3690	438313.6	3762231	3.38E-05	1.15E-04	5.24E-06	1.88E-05	2.83E-06	8.72E-06
3691	438317.2	3762239	3.42E-05	1.17E-04	5.31E-06	1.90E-05	2.86E-06	8.83E-06
3692	438320.7	3762248	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.94E-06
3693	438324.3	3762256	3.50E-05	1.20E-04	5.45E-06	1.95E-05	2.93E-06	9.06E-06
3694	438327.8	3762265	3.55E-05	1.21E-04	5.52E-06	1.98E-05	2.97E-06	9.17E-06
3695	438331.4	3762274	3.60E-05	1.23E-04	5.59E-06	2.00E-05	3.01E-06	9.29E-06
3696	438334.9	3762282	3.64E-05	1.24E-04	5.66E-06	2.03E-05	3.05E-06	9.42E-06
3697	438338.5	3762291	3.69E-05	1.26E-04	5.74E-06	2.06E-05	3.09E-06	9.54E-06
3698	438342	3762300	3.74E-05	1.28E-04	5.82E-06	2.09E-05	3.13E-06	9.67E-06
3699	438345.6	3762308	3.80E-05	1.29E-04	5.90E-06	2.11E-05	3.18E-06	9.81E-06
3700	438349.1	3762317	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
3701	438391.8	3762420	4.62E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
3702	438395.3	3762429	4.69E-05	1.60E-04	7.29E-06	2.61E-05	3.93E-06	1.21E-05
3703	438398.9	3762437	4.77E-05	1.62E-04	7.40E-06	2.65E-05	3.99E-06	1.23E-05
3704	438402.4	3762446	4.84E-05	1.65E-04	7.52E-06	2.70E-05	4.05E-06	1.25E-05
3705	438406	3762454	4.92E-05	1.68E-04	7.65E-06	2.74E-05	4.12E-06	1.27E-05
3706	438409.5	3762463	5.00E-05	1.71E-04	7.77E-06	2.79E-05	4.19E-06	1.29E-05
3707	438413.1	3762472	5.08E-05	1.73E-04	7.89E-06	2.83E-05	4.25E-06	1.31E-05
3708	438416.7	3762480	5.16E-05	1.76E-04	8.02E-06	2.88E-05	4.32E-06	1.33E-05
3709	438420.2	3762489	5.25E-05	1.79E-04	8.15E-06	2.92E-05	4.39E-06	1.36E-05
3710	438423.8	3762497	5.33E-05	1.82E-04	8.28E-06	2.97E-05	4.46E-06	1.38E-05
3711	438427.3	3762506	5.42E-05	1.85E-04	8.41E-06	3.02E-05	4.53E-06	1.40E-05
3712	438430.9	3762515	5.50E-05	1.88E-04	8.55E-06	3.06E-05	4.60E-06	1.42E-05
3713	438434.4	3762523	5.59E-05	1.90E-04	8.68E-06	3.11E-05	4.68E-06	1.44E-05
3714	438438	3762532	5.67E-05	1.93E-04	8.81E-06	3.16E-05	4.75E-06	1.47E-05
3715	438441.5	3762540	5.76E-05	1.96E-04	8.95E-06	3.21E-05	4.82E-06	1.49E-05
3716	438445.1	3762549	5.84E-05	1.99E-04	9.08E-06	3.25E-05	4.89E-06	1.51E-05
3717	438448.6	3762558	5.93E-05	2.02E-04	9.21E-06	3.30E-05	4.96E-06	1.53E-05
3718	438452.2	3762566	6.01E-05	2.05E-04	9.34E-06	3.35E-05	5.03E-06	1.55E-05
3719	438455.7	3762575	6.10E-05	2.08E-04	9.48E-06	3.40E-05	5.10E-06	1.58E-05
3720	438459.3	3762583	6.18E-05	2.11E-04	9.61E-06	3.44E-05	5.17E-06	1.60E-05
3721	438462.8	3762592	6.27E-05	2.14E-04	9.74E-06	3.49E-05	5.25E-06	1.62E-05
3722	438466.4	3762601	6.35E-05	2.17E-04	9.87E-06	3.54E-05	5.32E-06	1.64E-05
3723	438470	3762609	6.44E-05	2.19E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
3724	438473.5	3762618	6.52E-05	2.22E-04	1.01E-05	3.63E-05	5.46E-06	1.68E-05
3725	438477.1	3762626	6.60E-05	2.25E-04	1.03E-05	3.68E-05	5.53E-06	1.71E-05
3726	438480.6	3762635	6.68E-05	2.28E-04	1.04E-05	3.72E-05	5.60E-06	1.73E-05
3727	438484.2	3762644	6.77E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05
3728	438487.7	3762652	6.84E-05	2.33E-04	1.06E-05	3.81E-05	5.73E-06	1.77E-05
3729	438491.3	3762661	6.92E-05	2.36E-04	1.08E-05	3.86E-05	5.79E-06	1.79E-05
3730	438494.8	3762669	7.00E-05	2.39E-04	1.09E-05	3.90E-05	5.86E-06	1.81E-05
3731	438498.4	3762678	7.07E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
3732	438501.9	3762687	7.15E-05	2.44E-04	1.11E-05	3.98E-05	5.98E-06	1.85E-05
3733	438505.5	3762695	7.22E-05	2.46E-04	1.12E-05	4.02E-05	6.04E-06	1.87E-05
3734	438509	3762704	7.29E-05	2.49E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
3735	438512.6	3762713	7.36E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
3736	437737.3	3761795	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.43E-06
3737	437745.9	3761798	1.74E-05	5.92E-05	2.70E-06	9.68E-06	1.45E-06	4.49E-06
3738	437754.6	3761802	1.76E-05	5.99E-05	2.73E-06	9.79E-06	1.47E-06	4.54E-06
3739	437763.2	3761806	1.78E-05	6.06E-05	2.76E-06	9.90E-06	1.49E-06	4.59E-06
3740	437771.8	3761809	1.80E-05	6.13E-05	2.79E-06	1.00E-05	1.51E-06	4.65E-06

3741	437780.4	3761813	1.82E-05	6.20E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
3742	437789.1	3761816	1.84E-05	6.27E-05	2.86E-06	1.02E-05	1.54E-06	4.75E-06
3743	437797.7	3761820	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.80E-06
3744	437806.3	3761823	1.88E-05	6.41E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06
3745	437815	3761827	1.90E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.90E-06
3746	437823.6	3761831	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
3747	437832.2	3761834	1.94E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
3748	437840.9	3761838	1.95E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
3749	437849.5	3761841	1.97E-05	6.73E-05	3.06E-06	1.10E-05	1.65E-06	5.10E-06
3750	437858.1	3761845	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.66E-06	5.14E-06
3751	437866.7	3761849	2.00E-05	6.83E-05	3.11E-06	1.12E-05	1.68E-06	5.18E-06
3752	437875.4	3761852	2.02E-05	6.88E-05	3.14E-06	1.12E-05	1.69E-06	5.21E-06
3753	437884	3761856	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
3754	437892.6	3761859	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
3755	437901.3	3761863	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
3756	437909.9	3761866	2.07E-05	7.07E-05	3.22E-06	1.15E-05	1.73E-06	5.36E-06
3757	437918.5	3761870	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
3758	437927.2	3761874	2.10E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
3759	437935.8	3761877	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
3760	437944.4	3761881	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
3761	437953	3761884	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
3762	437961.7	3761888	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.56E-06
3763	437970.3	3761891	2.16E-05	7.37E-05	3.36E-06	1.20E-05	1.81E-06	5.59E-06
3764	437978.9	3761895	2.17E-05	7.41E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
3765	438048	3761924	2.27E-05	7.72E-05	3.52E-06	1.26E-05	1.90E-06	5.85E-06
3766	438056.6	3761927	2.28E-05	7.76E-05	3.54E-06	1.27E-05	1.90E-06	5.88E-06
3767	438065.2	3761931	2.29E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
3768	438073.9	3761934	2.30E-05	7.83E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
3769	438082.5	3761938	2.30E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
3770	438091.1	3761942	2.31E-05	7.89E-05	3.60E-06	1.29E-05	1.94E-06	5.98E-06
3771	438099.8	3761945	2.32E-05	7.92E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
3772	438108.4	3761949	2.33E-05	7.95E-05	3.62E-06	1.30E-05	1.95E-06	6.02E-06
3773	438117	3761952	2.34E-05	7.98E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06
3774	438125.7	3761956	2.35E-05	8.00E-05	3.65E-06	1.31E-05	1.96E-06	6.06E-06
3775	438134.3	3761959	2.35E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.08E-06
3776	438142.9	3761963	2.36E-05	8.05E-05	3.67E-06	1.31E-05	1.98E-06	6.10E-06
3777	438151.5	3761967	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.12E-06
3778	438160.2	3761970	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
3779	438168.8	3761974	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
3780	438177.4	3761977	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
3781	438186.1	3761981	2.39E-05	8.16E-05	3.72E-06	1.33E-05	2.00E-06	6.18E-06
3782	438194.7	3761984	2.40E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
3783	438203.3	3761988	2.40E-05	8.20E-05	3.74E-06	1.34E-05	2.01E-06	6.21E-06
3784	438212	3761992	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.02E-06	6.22E-06
3785	438220.6	3761995	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.23E-06
3786	438229.2	3761999	2.42E-05	8.24E-05	3.75E-06	1.35E-05	2.02E-06	6.24E-06
3787	438237.8	3762002	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.03E-06	6.25E-06
3788	438246.5	3762006	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
3789	438255.1	3762010	2.42E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
3790	438267.3	3762022	2.46E-05	8.37E-05	3.82E-06	1.37E-05	2.06E-06	6.34E-06
3791	438270.9	3762030	2.48E-05	8.47E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
3792	438274.4	3762039	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06

3793	438303	3762108	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
3794	438306.5	3762117	2.79E-05	9.51E-05	4.33E-06	1.55E-05	2.33E-06	7.20E-06
3795	438310.1	3762125	2.82E-05	9.62E-05	4.38E-06	1.57E-05	2.36E-06	7.29E-06
3796	438313.7	3762134	2.85E-05	9.73E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
3797	438317.2	3762143	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.42E-06	7.46E-06
3798	438320.8	3762151	2.92E-05	9.96E-05	4.54E-06	1.63E-05	2.44E-06	7.54E-06
3799	438324.4	3762160	2.95E-05	1.01E-04	4.59E-06	1.64E-05	2.47E-06	7.63E-06
3800	438327.9	3762169	2.99E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.72E-06
3801	438331.5	3762177	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.80E-06
3802	438335.1	3762186	3.05E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.89E-06
3803	438338.6	3762194	3.09E-05	1.05E-04	4.80E-06	1.72E-05	2.59E-06	7.98E-06
3804	438342.2	3762203	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
3805	438345.8	3762212	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.65E-06	8.17E-06
3806	438349.3	3762220	3.20E-05	1.09E-04	4.97E-06	1.78E-05	2.68E-06	8.27E-06
3807	438352.9	3762229	3.24E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.37E-06
3808	438388.5	3762315	3.68E-05	1.25E-04	5.71E-06	2.05E-05	3.08E-06	9.50E-06
3809	438392.1	3762324	3.73E-05	1.27E-04	5.79E-06	2.08E-05	3.12E-06	9.64E-06
3810	438395.7	3762333	3.78E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.77E-06
3811	438399.2	3762341	3.84E-05	1.31E-04	5.96E-06	2.14E-05	3.21E-06	9.91E-06
3812	438402.8	3762350	3.89E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
3813	438406.4	3762359	3.95E-05	1.35E-04	6.14E-06	2.20E-05	3.31E-06	1.02E-05
3814	438409.9	3762367	4.01E-05	1.37E-04	6.23E-06	2.23E-05	3.35E-06	1.04E-05
3815	438413.5	3762376	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.40E-06	1.05E-05
3816	438417.1	3762384	4.13E-05	1.41E-04	6.42E-06	2.30E-05	3.46E-06	1.07E-05
3817	438420.6	3762393	4.19E-05	1.43E-04	6.51E-06	2.33E-05	3.51E-06	1.08E-05
3818	438424.2	3762402	4.26E-05	1.45E-04	6.61E-06	2.37E-05	3.56E-06	1.10E-05
3819	438427.8	3762410	4.32E-05	1.47E-04	6.71E-06	2.41E-05	3.62E-06	1.12E-05
3820	438431.3	3762419	4.39E-05	1.50E-04	6.82E-06	2.44E-05	3.67E-06	1.13E-05
3821	438434.9	3762428	4.46E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
3822	438438.5	3762436	4.53E-05	1.54E-04	7.03E-06	2.52E-05	3.79E-06	1.17E-05
3823	438442	3762445	4.60E-05	1.57E-04	7.14E-06	2.56E-05	3.85E-06	1.19E-05
3824	438445.6	3762453	4.67E-05	1.59E-04	7.25E-06	2.60E-05	3.91E-06	1.21E-05
3825	438449.2	3762462	4.74E-05	1.62E-04	7.36E-06	2.64E-05	3.97E-06	1.22E-05
3826	438452.7	3762471	4.81E-05	1.64E-04	7.48E-06	2.68E-05	4.03E-06	1.24E-05
3827	438456.3	3762479	4.89E-05	1.67E-04	7.59E-06	2.72E-05	4.09E-06	1.26E-05
3828	438459.9	3762488	4.96E-05	1.69E-04	7.71E-06	2.76E-05	4.15E-06	1.28E-05
3829	438463.4	3762497	5.04E-05	1.72E-04	7.83E-06	2.81E-05	4.22E-06	1.30E-05
3830	438467	3762505	5.11E-05	1.74E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
3831	438470.6	3762514	5.19E-05	1.77E-04	8.06E-06	2.89E-05	4.34E-06	1.34E-05
3832	438474.1	3762523	5.27E-05	1.80E-04	8.18E-06	2.93E-05	4.41E-06	1.36E-05
3833	438477.7	3762531	5.34E-05	1.82E-04	8.30E-06	2.98E-05	4.47E-06	1.38E-05
3834	438481.3	3762540	5.42E-05	1.85E-04	8.42E-06	3.02E-05	4.54E-06	1.40E-05
3835	438484.8	3762548	5.50E-05	1.87E-04	8.54E-06	3.06E-05	4.60E-06	1.42E-05
3836	438488.4	3762557	5.57E-05	1.90E-04	8.66E-06	3.10E-05	4.67E-06	1.44E-05
3837	438492	3762566	5.65E-05	1.93E-04	8.78E-06	3.15E-05	4.73E-06	1.46E-05
3838	438495.5	3762574	5.73E-05	1.95E-04	8.90E-06	3.19E-05	4.79E-06	1.48E-05
3839	438499.1	3762583	5.80E-05	1.98E-04	9.02E-06	3.23E-05	4.86E-06	1.50E-05
3840	438502.7	3762592	5.88E-05	2.00E-04	9.13E-06	3.27E-05	4.92E-06	1.52E-05
3841	438506.2	3762600	5.95E-05	2.03E-04	9.25E-06	3.32E-05	4.98E-06	1.54E-05
3842	438509.8	3762609	6.03E-05	2.06E-04	9.37E-06	3.36E-05	5.05E-06	1.56E-05
3843	438513.4	3762618	6.10E-05	2.08E-04	9.48E-06	3.40E-05	5.11E-06	1.58E-05
3844	438516.9	3762626	6.18E-05	2.11E-04	9.60E-06	3.44E-05	5.17E-06	1.60E-05

3845	438520.5	3762635	6.25E-05	2.13E-04	9.71E-06	3.48E-05	5.23E-06	1.61E-05
3846	438524.1	3762643	6.32E-05	2.16E-04	9.82E-06	3.52E-05	5.29E-06	1.63E-05
3847	438527.6	3762652	6.39E-05	2.18E-04	9.93E-06	3.56E-05	5.35E-06	1.65E-05
3848	438531.2	3762661	6.46E-05	2.20E-04	1.00E-05	3.60E-05	5.41E-06	1.67E-05
3849	438534.7	3762669	6.53E-05	2.23E-04	1.01E-05	3.64E-05	5.47E-06	1.69E-05
3850	438538.3	3762678	6.60E-05	2.25E-04	1.03E-05	3.67E-05	5.52E-06	1.70E-05
3851	438541.9	3762687	6.66E-05	2.27E-04	1.04E-05	3.71E-05	5.58E-06	1.72E-05
3852	438545.4	3762695	6.73E-05	2.29E-04	1.05E-05	3.75E-05	5.63E-06	1.74E-05
3853	438549	3762704	6.79E-05	2.31E-04	1.05E-05	3.78E-05	5.68E-06	1.75E-05
3854	438552.6	3762713	6.85E-05	2.34E-04	1.06E-05	3.82E-05	5.73E-06	1.77E-05
3855	437683.5	3762711	1.36E-03	4.64E-03	2.12E-04	7.59E-04	1.14E-04	3.52E-04
3856	437703.5	3762711	1.17E-03	4.01E-03	1.83E-04	6.54E-04	9.83E-05	3.04E-04
3857	437723.5	3762711	1.02E-03	3.49E-03	1.59E-04	5.70E-04	8.56E-05	2.64E-04
3858	437743.5	3762711	8.98E-04	3.06E-03	1.39E-04	5.00E-04	7.51E-05	2.32E-04
3859	437803.5	3762711	6.34E-04	2.16E-03	9.85E-05	3.53E-04	5.31E-05	1.64E-04
3860	437803.5	3762675	4.97E-04	1.70E-03	7.73E-05	2.77E-04	4.16E-05	1.29E-04
3861	437863.5	3762711	4.70E-04	1.60E-03	7.31E-05	2.62E-04	3.94E-05	1.22E-04
3862	437863.5	3762702	4.47E-04	1.53E-03	6.95E-05	2.49E-04	3.75E-05	1.16E-04
3863	437863.5	3762693	4.25E-04	1.45E-03	6.61E-05	2.37E-04	3.56E-05	1.10E-04
3864	437893.5	3762711	4.11E-04	1.40E-03	6.39E-05	2.29E-04	3.44E-05	1.06E-04
3865	437893.5	3762702	3.93E-04	1.34E-03	6.10E-05	2.19E-04	3.29E-05	1.01E-04
3866	437893.5	3762693	3.75E-04	1.28E-03	5.82E-05	2.09E-04	3.13E-05	9.68E-05
3867	437923.5	3762711	3.62E-04	1.23E-03	5.63E-05	2.02E-04	3.03E-05	9.36E-05
3868	437923.5	3762702	3.47E-04	1.18E-03	5.39E-05	1.93E-04	2.90E-05	8.97E-05
3869	437923.5	3762693	3.32E-04	1.13E-03	5.16E-05	1.85E-04	2.78E-05	8.58E-05
3870	438013.5	3762711	2.58E-04	8.78E-04	4.00E-05	1.43E-04	2.16E-05	6.65E-05
3871	438013.5	3762702	2.49E-04	8.48E-04	3.86E-05	1.39E-04	2.08E-05	6.43E-05
3872	438013.5	3762693	2.40E-04	8.18E-04	3.73E-05	1.34E-04	2.01E-05	6.20E-05
3873	438043.5	3762711	2.32E-04	7.93E-04	3.61E-05	1.29E-04	1.95E-05	6.01E-05
3874	438043.5	3762702	2.25E-04	7.67E-04	3.50E-05	1.25E-04	1.88E-05	5.81E-05
3875	438043.5	3762693	2.18E-04	7.42E-04	3.38E-05	1.21E-04	1.82E-05	5.62E-05
3876	438083.5	3762720	2.11E-04	7.18E-04	3.27E-05	1.17E-04	1.76E-05	5.44E-05
3877	438083.5	3762711	2.04E-04	6.97E-04	3.18E-05	1.14E-04	1.71E-05	5.28E-05
3878	438123.5	3762684	1.66E-04	5.65E-04	2.57E-05	9.23E-05	1.39E-05	4.28E-05
3879	438123.5	3762675	1.61E-04	5.48E-04	2.50E-05	8.96E-05	1.35E-05	4.16E-05
3880	438163.5	3762711	1.61E-04	5.49E-04	2.50E-05	8.97E-05	1.35E-05	4.16E-05
3881	438163.5	3762702	1.57E-04	5.35E-04	2.44E-05	8.74E-05	1.31E-05	4.05E-05
3882	438163.5	3762693	1.53E-04	5.21E-04	2.37E-05	8.51E-05	1.28E-05	3.95E-05
3883	438163.5	3762684	1.49E-04	5.07E-04	2.31E-05	8.28E-05	1.24E-05	3.84E-05
3884	438163.5	3762675	1.45E-04	4.93E-04	2.25E-05	8.05E-05	1.21E-05	3.73E-05
3885	438203.5	3762711	1.44E-04	4.92E-04	2.24E-05	8.04E-05	1.21E-05	3.73E-05
3886	438203.5	3762702	1.41E-04	4.80E-04	2.19E-05	7.85E-05	1.18E-05	3.64E-05
3887	438203.5	3762693	1.37E-04	4.69E-04	2.13E-05	7.65E-05	1.15E-05	3.55E-05
3888	438203.5	3762684	1.34E-04	4.57E-04	2.08E-05	7.46E-05	1.12E-05	3.46E-05
3889	438203.5	3762675	1.30E-04	4.45E-04	2.03E-05	7.27E-05	1.09E-05	3.37E-05
3890	438243.5	3762711	1.30E-04	4.43E-04	2.02E-05	7.23E-05	1.09E-05	3.35E-05
3891	438243.5	3762702	1.27E-04	4.34E-04	1.98E-05	7.09E-05	1.07E-05	3.29E-05
3892	438243.5	3762693	1.24E-04	4.24E-04	1.93E-05	6.92E-05	1.04E-05	3.21E-05
3893	438243.5	3762684	1.21E-04	4.14E-04	1.88E-05	6.76E-05	1.02E-05	3.13E-05
3894	438243.5	3762675	1.18E-04	4.04E-04	1.84E-05	6.59E-05	9.91E-06	3.06E-05
3895	438283.5	3762711	1.18E-04	4.03E-04	1.84E-05	6.58E-05	9.89E-06	3.05E-05
3896	438283.5	3762702	1.16E-04	3.94E-04	1.80E-05	6.44E-05	9.67E-06	2.99E-05

3897	438283.5	3762693	1.13E-04	3.85E-04	1.76E-05	6.29E-05	9.46E-06	2.92E-05
3898	438283.5	3762684	1.10E-04	3.77E-04	1.72E-05	6.15E-05	9.24E-06	2.85E-05
3899	438283.5	3762675	1.08E-04	3.68E-04	1.68E-05	6.01E-05	9.03E-06	2.79E-05
3900	438323.5	3762711	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.01E-06	2.78E-05
3901	438323.5	3762702	1.05E-04	3.60E-04	1.64E-05	5.87E-05	8.83E-06	2.72E-05
3902	438323.5	3762693	1.03E-04	3.52E-04	1.60E-05	5.75E-05	8.64E-06	2.67E-05
3903	438323.5	3762684	1.01E-04	3.45E-04	1.57E-05	5.63E-05	8.46E-06	2.61E-05
3904	438323.5	3762675	9.89E-05	3.37E-04	1.54E-05	5.51E-05	8.28E-06	2.56E-05
3905	438403.5	3762711	9.07E-05	3.09E-04	1.41E-05	5.05E-05	7.59E-06	2.34E-05
3906	438403.5	3762702	8.90E-05	3.03E-04	1.38E-05	4.96E-05	7.45E-06	2.30E-05
3907	438403.5	3762693	8.73E-05	2.98E-04	1.36E-05	4.86E-05	7.30E-06	2.25E-05
3908	438403.5	3762684	8.56E-05	2.92E-04	1.33E-05	4.77E-05	7.16E-06	2.21E-05
3909	438403.5	3762675	8.39E-05	2.86E-04	1.30E-05	4.68E-05	7.03E-06	2.17E-05
3910	438443.5	3762711	8.36E-05	2.85E-04	1.30E-05	4.66E-05	7.00E-06	2.16E-05
3911	438443.5	3762702	8.22E-05	2.80E-04	1.28E-05	4.58E-05	6.88E-06	2.12E-05
3912	438443.5	3762693	8.07E-05	2.75E-04	1.25E-05	4.49E-05	6.75E-06	2.08E-05
3913	438443.5	3762684	7.92E-05	2.70E-04	1.23E-05	4.41E-05	6.63E-06	2.05E-05
3914	438443.5	3762675	7.77E-05	2.65E-04	1.21E-05	4.33E-05	6.50E-06	2.01E-05
3915	437433.5	3762665	1.39E-03	4.76E-03	2.17E-04	7.77E-04	1.17E-04	3.60E-04
3916	437423.6	3762665	1.33E-03	4.53E-03	2.06E-04	7.40E-04	1.11E-04	3.43E-04
3917	437413.7	3762665	1.26E-03	4.28E-03	1.95E-04	6.99E-04	1.05E-04	3.24E-04
3918	437403.8	3762665	1.18E-03	4.02E-03	1.83E-04	6.57E-04	9.88E-05	3.05E-04
3919	437393.9	3762665	1.11E-03	3.77E-03	1.72E-04	6.16E-04	9.25E-05	2.86E-04
3920	437433.5	3762655	1.15E-03	3.92E-03	1.79E-04	6.40E-04	9.62E-05	2.97E-04
3921	437423.6	3762655	1.10E-03	3.75E-03	1.71E-04	6.12E-04	9.20E-05	2.84E-04
3922	437413.7	3762655	1.04E-03	3.56E-03	1.62E-04	5.82E-04	8.74E-05	2.70E-04
3923	437403.8	3762655	9.88E-04	3.37E-03	1.53E-04	5.50E-04	8.27E-05	2.55E-04
3924	437393.9	3762655	9.31E-04	3.17E-03	1.45E-04	5.18E-04	7.79E-05	2.40E-04
3925	437433.4	3762645	9.63E-04	3.28E-03	1.50E-04	5.36E-04	8.06E-05	2.49E-04
3926	437423.6	3762645	9.24E-04	3.15E-03	1.44E-04	5.15E-04	7.73E-05	2.39E-04
3927	437413.7	3762645	8.82E-04	3.01E-03	1.37E-04	4.91E-04	7.38E-05	2.28E-04
3928	437403.8	3762645	8.38E-04	2.86E-03	1.30E-04	4.67E-04	7.02E-05	2.17E-04
3929	437393.9	3762645	7.94E-04	2.71E-03	1.23E-04	4.43E-04	6.65E-05	2.05E-04
3930	437433.4	3762635	8.17E-04	2.79E-03	1.27E-04	4.55E-04	6.84E-05	2.11E-04
3931	437423.5	3762635	7.86E-04	2.68E-03	1.22E-04	4.38E-04	6.58E-05	2.03E-04
3932	437413.6	3762635	7.53E-04	2.57E-03	1.17E-04	4.20E-04	6.31E-05	1.95E-04
3933	437403.7	3762635	7.20E-04	2.45E-03	1.12E-04	4.01E-04	6.02E-05	1.86E-04
3934	437393.8	3762635	6.85E-04	2.34E-03	1.07E-04	3.82E-04	5.74E-05	1.77E-04
3935	437433.4	3762625	7.01E-04	2.39E-03	1.09E-04	3.90E-04	5.87E-05	1.81E-04
3936	437423.5	3762625	6.76E-04	2.31E-03	1.05E-04	3.77E-04	5.66E-05	1.75E-04
3937	437413.6	3762625	6.51E-04	2.22E-03	1.01E-04	3.62E-04	5.45E-05	1.68E-04
3938	437403.7	3762625	6.24E-04	2.13E-03	9.70E-05	3.48E-04	5.22E-05	1.61E-04
3939	437393.8	3762625	5.97E-04	2.04E-03	9.28E-05	3.33E-04	5.00E-05	1.54E-04
3940	437433.3	3762615	6.08E-04	2.07E-03	9.45E-05	3.39E-04	5.09E-05	1.57E-04
3941	437423.4	3762615	5.88E-04	2.01E-03	9.14E-05	3.28E-04	4.92E-05	1.52E-04
3942	437413.5	3762615	5.67E-04	1.94E-03	8.82E-05	3.16E-04	4.75E-05	1.47E-04
3943	437403.6	3762615	5.46E-04	1.86E-03	8.49E-05	3.04E-04	4.57E-05	1.41E-04
3944	437393.8	3762615	5.25E-04	1.79E-03	8.15E-05	2.92E-04	4.39E-05	1.36E-04
3945	437433.3	3762605	5.32E-04	1.81E-03	8.27E-05	2.96E-04	4.45E-05	1.37E-04
3946	437423.4	3762605	5.16E-04	1.76E-03	8.02E-05	2.87E-04	4.32E-05	1.33E-04
3947	437413.5	3762605	4.99E-04	1.70E-03	7.76E-05	2.78E-04	4.18E-05	1.29E-04
3948	437403.6	3762605	4.82E-04	1.64E-03	7.49E-05	2.69E-04	4.04E-05	1.25E-04

3949	437393.7	3762605	4.65E-04	1.58E-03	7.22E-05	2.59E-04	3.89E-05	1.20E-04
3950	437475.6	3762608	6.16E-04	2.10E-03	9.58E-05	3.43E-04	5.16E-05	1.59E-04
3951	437433.3	3762595	4.69E-04	1.60E-03	7.29E-05	2.61E-04	3.93E-05	1.21E-04
3952	437423.4	3762595	4.56E-04	1.56E-03	7.09E-05	2.54E-04	3.82E-05	1.18E-04
3953	437413.5	3762595	4.42E-04	1.51E-03	6.87E-05	2.46E-04	3.70E-05	1.14E-04
3954	437403.6	3762595	4.28E-04	1.46E-03	6.66E-05	2.39E-04	3.59E-05	1.11E-04
3955	437393.7	3762595	4.14E-04	1.41E-03	6.44E-05	2.31E-04	3.47E-05	1.07E-04
3956	437433.2	3762585	4.17E-04	1.42E-03	6.47E-05	2.32E-04	3.49E-05	1.08E-04
3957	437423.3	3762585	4.06E-04	1.38E-03	6.30E-05	2.26E-04	3.40E-05	1.05E-04
3958	437413.4	3762585	3.94E-04	1.35E-03	6.13E-05	2.20E-04	3.30E-05	1.02E-04
3959	437403.5	3762585	3.83E-04	1.31E-03	5.95E-05	2.13E-04	3.20E-05	9.89E-05
3960	437393.6	3762585	3.71E-04	1.27E-03	5.77E-05	2.07E-04	3.11E-05	9.59E-05
3961	437478.6	3762589	4.86E-04	1.66E-03	7.55E-05	2.71E-04	4.07E-05	1.26E-04
3962	437433.2	3762575	3.72E-04	1.27E-03	5.78E-05	2.07E-04	3.11E-05	9.61E-05
3963	437423.3	3762575	3.63E-04	1.24E-03	5.64E-05	2.02E-04	3.04E-05	9.38E-05
3964	437413.4	3762575	3.54E-04	1.21E-03	5.49E-05	1.97E-04	2.96E-05	9.14E-05
3965	437403.5	3762575	3.44E-04	1.17E-03	5.35E-05	1.92E-04	2.88E-05	8.89E-05
3966	437393.6	3762575	3.34E-04	1.14E-03	5.20E-05	1.86E-04	2.80E-05	8.64E-05
3967	437477.1	3762569	3.82E-04	1.30E-03	5.93E-05	2.13E-04	3.19E-05	9.86E-05
3968	437433.1	3762555	3.02E-04	1.03E-03	4.69E-05	1.68E-04	2.52E-05	7.79E-05
3969	437423.2	3762555	2.95E-04	1.01E-03	4.58E-05	1.64E-04	2.47E-05	7.62E-05
3970	437413.3	3762555	2.88E-04	9.83E-04	4.48E-05	1.61E-04	2.41E-05	7.45E-05
3971	437403.4	3762555	2.82E-04	9.60E-04	4.38E-05	1.57E-04	2.36E-05	7.28E-05
3972	437393.5	3762555	2.75E-04	9.37E-04	4.27E-05	1.53E-04	2.30E-05	7.10E-05
3973	437479	3762549	3.13E-04	1.07E-03	4.87E-05	1.74E-04	2.62E-05	8.09E-05
3974	437524.2	3762568	4.01E-04	1.37E-03	6.24E-05	2.24E-04	3.36E-05	1.04E-04
3975	437533.2	3762572	4.20E-04	1.43E-03	6.53E-05	2.34E-04	3.52E-05	1.09E-04
3976	437433	3762535	2.49E-04	8.49E-04	3.87E-05	1.39E-04	2.08E-05	6.44E-05
3977	437423.1	3762535	2.44E-04	8.32E-04	3.79E-05	1.36E-04	2.04E-05	6.31E-05
3978	437413.2	3762535	2.39E-04	8.16E-04	3.72E-05	1.33E-04	2.00E-05	6.18E-05
3979	437403.3	3762535	2.34E-04	7.99E-04	3.64E-05	1.30E-04	1.96E-05	6.05E-05
3980	437393.4	3762535	2.29E-04	7.82E-04	3.56E-05	1.28E-04	1.92E-05	5.93E-05
3981	437477.8	3762529	2.57E-04	8.76E-04	3.99E-05	1.43E-04	2.15E-05	6.63E-05
3982	437530.2	3762551	3.36E-04	1.15E-03	5.22E-05	1.87E-04	2.81E-05	8.68E-05
3983	437432.9	3762515	2.09E-04	7.13E-04	3.25E-05	1.16E-04	1.75E-05	5.40E-05
3984	437423.1	3762515	2.05E-04	7.00E-04	3.19E-05	1.14E-04	1.72E-05	5.30E-05
3985	437413.2	3762515	2.02E-04	6.87E-04	3.13E-05	1.12E-04	1.69E-05	5.21E-05
3986	437403.3	3762515	1.98E-04	6.74E-04	3.07E-05	1.10E-04	1.65E-05	5.11E-05
3987	437393.4	3762515	1.94E-04	6.61E-04	3.01E-05	1.08E-04	1.62E-05	5.01E-05
3988	437479.3	3762510	2.17E-04	7.39E-04	3.37E-05	1.21E-04	1.81E-05	5.60E-05
3989	437524.9	3762528	2.71E-04	9.23E-04	4.21E-05	1.51E-04	2.27E-05	6.99E-05
3990	437432.9	3762495	1.78E-04	6.06E-04	2.76E-05	9.90E-05	1.49E-05	4.59E-05
3991	437423	3762495	1.75E-04	5.96E-04	2.72E-05	9.74E-05	1.46E-05	4.52E-05
3992	437413.1	3762495	1.72E-04	5.86E-04	2.67E-05	9.57E-05	1.44E-05	4.44E-05
3993	437403.2	3762495	1.69E-04	5.76E-04	2.62E-05	9.41E-05	1.41E-05	4.36E-05
3994	437393.3	3762495	1.66E-04	5.66E-04	2.58E-05	9.25E-05	1.39E-05	4.29E-05
3995	437478.2	3762489	1.83E-04	6.24E-04	2.84E-05	1.02E-04	1.53E-05	4.73E-05
3996	437531.4	3762511	2.34E-04	7.97E-04	3.63E-05	1.30E-04	1.96E-05	6.04E-05
3997	437610.4	3762595	5.11E-04	1.74E-03	7.94E-05	2.85E-04	4.28E-05	1.32E-04
3998	437617.7	3762613	6.10E-04	2.08E-03	9.48E-05	3.40E-04	5.11E-05	1.58E-04
3999	437632.4	3762648	8.81E-04	3.00E-03	1.37E-04	4.91E-04	7.38E-05	2.28E-04
4000	437432.8	3762475	1.53E-04	5.21E-04	2.37E-05	8.51E-05	1.28E-05	3.95E-05

4001	437422.9	3762475	1.50E-04	5.13E-04	2.34E-05	8.38E-05	1.26E-05	3.89E-05
4002	437413	3762475	1.48E-04	5.05E-04	2.30E-05	8.25E-05	1.24E-05	3.83E-05
4003	437403.1	3762475	1.46E-04	4.97E-04	2.27E-05	8.12E-05	1.22E-05	3.77E-05
4004	437393.2	3762475	1.44E-04	4.90E-04	2.23E-05	8.00E-05	1.20E-05	3.71E-05
4005	437477.3	3762469	1.56E-04	5.34E-04	2.43E-05	8.72E-05	1.31E-05	4.04E-05
4006	437529.3	3762490	1.96E-04	6.70E-04	3.05E-05	1.09E-04	1.64E-05	5.08E-05
4007	437623.9	3762579	4.25E-04	1.45E-03	6.60E-05	2.37E-04	3.56E-05	1.10E-04
4008	437645.5	3762631	6.87E-04	2.34E-03	1.07E-04	3.83E-04	5.75E-05	1.77E-04
4009	437432.7	3762455	1.33E-04	4.52E-04	2.06E-05	7.38E-05	1.11E-05	3.43E-05
4010	437422.8	3762455	1.31E-04	4.46E-04	2.03E-05	7.28E-05	1.09E-05	3.38E-05
4011	437412.9	3762455	1.29E-04	4.39E-04	2.00E-05	7.18E-05	1.08E-05	3.33E-05
4012	437403	3762455	1.27E-04	4.33E-04	1.97E-05	7.07E-05	1.06E-05	3.28E-05
4013	437393.1	3762455	1.25E-04	4.27E-04	1.95E-05	6.97E-05	1.05E-05	3.23E-05
4014	437478.4	3762449	1.36E-04	4.65E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
4015	437523.2	3762468	1.64E-04	5.60E-04	2.55E-05	9.16E-05	1.38E-05	4.25E-05
4016	437532.2	3762471	1.70E-04	5.81E-04	2.65E-05	9.49E-05	1.43E-05	4.40E-05
4017	437616.6	3762514	2.41E-04	8.21E-04	3.74E-05	1.34E-04	2.02E-05	6.22E-05
4018	437627.7	3762540	2.97E-04	1.01E-03	4.61E-05	1.65E-04	2.48E-05	7.67E-05
4019	437657.4	3762612	5.37E-04	1.83E-03	8.35E-05	2.99E-04	4.50E-05	1.39E-04
4020	437432.6	3762435	1.16E-04	3.96E-04	1.80E-05	6.46E-05	9.71E-06	3.00E-05
4021	437422.7	3762435	1.14E-04	3.90E-04	1.78E-05	6.38E-05	9.58E-06	2.96E-05
4022	437412.9	3762435	1.13E-04	3.85E-04	1.76E-05	6.29E-05	9.46E-06	2.92E-05
4023	437403	3762435	1.11E-04	3.80E-04	1.73E-05	6.21E-05	9.33E-06	2.88E-05
4024	437393.1	3762435	1.10E-04	3.75E-04	1.71E-05	6.13E-05	9.21E-06	2.84E-05
4025	437477.6	3762429	1.19E-04	4.05E-04	1.85E-05	6.62E-05	9.95E-06	3.07E-05
4026	437530.3	3762451	1.47E-04	5.00E-04	2.28E-05	8.16E-05	1.23E-05	3.79E-05
4027	437641.5	3762526	2.59E-04	8.82E-04	4.02E-05	1.44E-04	2.16E-05	6.68E-05
4028	437659.7	3762569	3.60E-04	1.23E-03	5.59E-05	2.00E-04	3.01E-05	9.30E-05
4029	437674.3	3762604	4.73E-04	1.61E-03	7.36E-05	2.64E-04	3.96E-05	1.22E-04
4030	437681.6	3762622	5.44E-04	1.86E-03	8.46E-05	3.03E-04	4.56E-05	1.41E-04
4031	437432.6	3762415	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.64E-05
4032	437422.7	3762415	1.01E-04	3.45E-04	1.57E-05	5.63E-05	8.46E-06	2.61E-05
4033	437412.8	3762415	9.98E-05	3.40E-04	1.55E-05	5.56E-05	8.35E-06	2.58E-05
4034	437402.9	3762415	9.86E-05	3.36E-04	1.53E-05	5.49E-05	8.25E-06	2.55E-05
4035	437393	3762415	9.74E-05	3.32E-04	1.51E-05	5.43E-05	8.15E-06	2.52E-05
4036	437460.4	3762402	9.83E-05	3.35E-04	1.53E-05	5.48E-05	8.23E-06	2.54E-05
4037	437469.5	3762406	1.02E-04	3.47E-04	1.58E-05	5.66E-05	8.51E-06	2.63E-05
4038	437478.5	3762409	1.05E-04	3.59E-04	1.63E-05	5.86E-05	8.80E-06	2.72E-05
4039	437523.7	3762428	1.25E-04	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
4040	437532.7	3762432	1.29E-04	4.40E-04	2.01E-05	7.19E-05	1.08E-05	3.34E-05
4041	437656	3762512	2.30E-04	7.84E-04	3.57E-05	1.28E-04	1.92E-05	5.94E-05
4042	437686	3762584	3.83E-04	1.31E-03	5.95E-05	2.13E-04	3.21E-05	9.89E-05
4043	437432.5	3762395	9.09E-05	3.10E-04	1.41E-05	5.06E-05	7.61E-06	2.35E-05
4044	437422.6	3762395	8.98E-05	3.06E-04	1.40E-05	5.00E-05	7.52E-06	2.32E-05
4045	437412.7	3762395	8.88E-05	3.03E-04	1.38E-05	4.95E-05	7.43E-06	2.29E-05
4046	437402.8	3762395	8.78E-05	2.99E-04	1.36E-05	4.89E-05	7.35E-06	2.27E-05
4047	437392.9	3762395	8.68E-05	2.96E-04	1.35E-05	4.83E-05	7.26E-06	2.24E-05
4048	437451.2	3762378	8.48E-05	2.89E-04	1.32E-05	4.72E-05	7.09E-06	2.19E-05
4049	437504.4	3762400	1.03E-04	3.50E-04	1.59E-05	5.72E-05	8.59E-06	2.65E-05
4050	437513.3	3762404	1.06E-04	3.61E-04	1.65E-05	5.90E-05	8.87E-06	2.74E-05
4051	437522.1	3762407	1.09E-04	3.73E-04	1.70E-05	6.10E-05	9.16E-06	2.83E-05
4052	437531	3762411	1.13E-04	3.85E-04	1.76E-05	6.29E-05	9.46E-06	2.92E-05

4053	437658.9	3762471	1.72E-04	5.87E-04	2.67E-05	9.58E-05	1.44E-05	4.45E-05
4054	437703	3762577	3.44E-04	1.17E-03	5.35E-05	1.92E-04	2.88E-05	8.89E-05
4055	437442.3	3762375	8.22E-05	2.80E-04	1.28E-05	4.58E-05	6.88E-06	2.12E-05
4056	437432.4	3762375	8.13E-05	2.77E-04	1.26E-05	4.53E-05	6.80E-06	2.10E-05
4057	437422.5	3762375	8.03E-05	2.74E-04	1.25E-05	4.48E-05	6.73E-06	2.08E-05
4058	437412.6	3762375	7.95E-05	2.71E-04	1.23E-05	4.43E-05	6.65E-06	2.05E-05
4059	437402.7	3762375	7.86E-05	2.68E-04	1.22E-05	4.38E-05	6.58E-06	2.03E-05
4060	437392.8	3762375	7.78E-05	2.65E-04	1.21E-05	4.33E-05	6.51E-06	2.01E-05
4061	437451.2	3762348	7.22E-05	2.46E-04	1.12E-05	4.02E-05	6.05E-06	1.87E-05
4062	437505.2	3762371	8.66E-05	2.95E-04	1.35E-05	4.83E-05	7.25E-06	2.24E-05
4063	437514.2	3762374	8.93E-05	3.05E-04	1.39E-05	4.98E-05	7.48E-06	2.31E-05
4064	437523.2	3762378	9.21E-05	3.14E-04	1.43E-05	5.13E-05	7.71E-06	2.38E-05
4065	437532.3	3762382	9.50E-05	3.24E-04	1.48E-05	5.29E-05	7.95E-06	2.45E-05
4066	437683.8	3762459	1.56E-04	5.32E-04	2.42E-05	8.69E-05	1.31E-05	4.03E-05
4067	437706.2	3762513	2.14E-04	7.29E-04	3.32E-05	1.19E-04	1.79E-05	5.53E-05
4068	437713.7	3762531	2.38E-04	8.12E-04	3.70E-05	1.33E-04	1.99E-05	6.15E-05
4069	437442.2	3762345	7.02E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
4070	437432.3	3762345	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
4071	437422.4	3762345	6.87E-05	2.34E-04	1.07E-05	3.83E-05	5.75E-06	1.77E-05
4072	437412.5	3762345	6.80E-05	2.32E-04	1.06E-05	3.79E-05	5.69E-06	1.76E-05
4073	437402.6	3762345	6.73E-05	2.30E-04	1.05E-05	3.75E-05	5.63E-06	1.74E-05
4074	437392.7	3762345	6.67E-05	2.27E-04	1.04E-05	3.71E-05	5.58E-06	1.72E-05
4075	437451.2	3762318	6.23E-05	2.13E-04	9.68E-06	3.47E-05	5.22E-06	1.61E-05
4076	437505.9	3762341	7.40E-05	2.52E-04	1.15E-05	4.12E-05	6.20E-06	1.91E-05
4077	437515.1	3762345	7.62E-05	2.60E-04	1.18E-05	4.25E-05	6.38E-06	1.97E-05
4078	437524.2	3762348	7.85E-05	2.68E-04	1.22E-05	4.37E-05	6.57E-06	2.03E-05
4079	437701.3	3762429	1.29E-04	4.39E-04	2.00E-05	7.18E-05	1.08E-05	3.33E-05
4080	437705.1	3762438	1.35E-04	4.61E-04	2.10E-05	7.53E-05	1.13E-05	3.49E-05
4081	437720.2	3762474	1.64E-04	5.60E-04	2.55E-05	9.14E-05	1.37E-05	4.24E-05
4082	437742.9	3762529	2.21E-04	7.53E-04	3.43E-05	1.23E-04	1.85E-05	5.70E-05
4083	437761.8	3762574	2.84E-04	9.70E-04	4.42E-05	1.58E-04	2.38E-05	7.35E-05
4084	437769.4	3762593	3.16E-04	1.08E-03	4.90E-05	1.76E-04	2.64E-05	8.15E-05
4085	437777	3762611	3.50E-04	1.19E-03	5.44E-05	1.95E-04	2.93E-05	9.05E-05
4086	437442.1	3762315	6.06E-05	2.07E-04	9.42E-06	3.38E-05	5.07E-06	1.57E-05
4087	437432.2	3762315	6.00E-05	2.05E-04	9.33E-06	3.34E-05	5.02E-06	1.55E-05
4088	437422.3	3762315	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.54E-05
4089	437412.4	3762315	5.89E-05	2.01E-04	9.14E-06	3.28E-05	4.93E-06	1.52E-05
4090	437402.5	3762315	5.83E-05	1.99E-04	9.06E-06	3.25E-05	4.88E-06	1.51E-05
4091	437392.6	3762315	5.78E-05	1.97E-04	8.98E-06	3.22E-05	4.84E-06	1.49E-05
4092	437450.9	3762288	5.43E-05	1.85E-04	8.44E-06	3.02E-05	4.54E-06	1.40E-05
4093	437504.4	3762310	6.36E-05	2.17E-04	9.89E-06	3.54E-05	5.33E-06	1.64E-05
4094	437513.4	3762314	6.54E-05	2.23E-04	1.02E-05	3.64E-05	5.47E-06	1.69E-05
4095	437522.3	3762318	6.72E-05	2.29E-04	1.04E-05	3.74E-05	5.62E-06	1.74E-05
4096	437531.2	3762321	6.90E-05	2.35E-04	1.07E-05	3.84E-05	5.78E-06	1.78E-05
4097	437726.1	3762416	1.18E-04	4.02E-04	1.83E-05	6.57E-05	9.87E-06	3.05E-05
4098	437740.9	3762452	1.40E-04	4.79E-04	2.18E-05	7.82E-05	1.17E-05	3.63E-05
4099	437755.7	3762487	1.67E-04	5.71E-04	2.60E-05	9.33E-05	1.40E-05	4.33E-05
4100	437442	3762285	5.29E-05	1.81E-04	8.23E-06	2.95E-05	4.43E-06	1.37E-05
4101	437432.1	3762285	5.24E-05	1.79E-04	8.15E-06	2.92E-05	4.39E-06	1.35E-05
4102	437422.2	3762285	5.19E-05	1.77E-04	8.07E-06	2.89E-05	4.35E-06	1.34E-05
4103	437412.3	3762285	5.15E-05	1.75E-04	8.00E-06	2.87E-05	4.31E-06	1.33E-05
4104	437402.4	3762285	5.10E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05

4105	437392.5	3762285	5.06E-05	1.72E-04	7.86E-06	2.82E-05	4.23E-06	1.31E-05
4106	437450.9	3762258	4.78E-05	1.63E-04	7.43E-06	2.66E-05	4.00E-06	1.24E-05
4107	437505.1	3762281	5.56E-05	1.90E-04	8.64E-06	3.10E-05	4.65E-06	1.44E-05
4108	437514.1	3762284	5.71E-05	1.95E-04	8.87E-06	3.18E-05	4.78E-06	1.47E-05
4109	437523.1	3762288	5.86E-05	2.00E-04	9.10E-06	3.26E-05	4.90E-06	1.51E-05
4110	437532.2	3762292	6.01E-05	2.05E-04	9.34E-06	3.35E-05	5.03E-06	1.55E-05
4111	437747.4	3762395	1.04E-04	3.55E-04	1.62E-05	5.79E-05	8.71E-06	2.69E-05
4112	437762.3	3762431	1.22E-04	4.18E-04	1.90E-05	6.82E-05	1.02E-05	3.16E-05
4113	437777.3	3762467	1.44E-04	4.92E-04	2.24E-05	8.04E-05	1.21E-05	3.73E-05
4114	437441.8	3762255	4.67E-05	1.59E-04	7.25E-06	2.60E-05	3.91E-06	1.21E-05
4115	437431.9	3762255	4.62E-05	1.58E-04	7.18E-06	2.58E-05	3.87E-06	1.19E-05
4116	437422.1	3762255	4.58E-05	1.56E-04	7.12E-06	2.55E-05	3.84E-06	1.18E-05
4117	437412.2	3762255	4.54E-05	1.55E-04	7.06E-06	2.53E-05	3.80E-06	1.17E-05
4118	437402.3	3762255	4.50E-05	1.54E-04	7.00E-06	2.51E-05	3.77E-06	1.16E-05
4119	437392.4	3762255	4.47E-05	1.52E-04	6.94E-06	2.49E-05	3.74E-06	1.15E-05
4120	437450.8	3762228	4.24E-05	1.45E-04	6.60E-06	2.36E-05	3.55E-06	1.10E-05
4121	437505.6	3762251	4.90E-05	1.67E-04	7.62E-06	2.73E-05	4.10E-06	1.27E-05
4122	437514.7	3762255	5.03E-05	1.71E-04	7.81E-06	2.80E-05	4.21E-06	1.30E-05
4123	437523.8	3762258	5.15E-05	1.76E-04	8.01E-06	2.87E-05	4.31E-06	1.33E-05
4124	437768.6	3762374	9.25E-05	3.15E-04	1.44E-05	5.15E-05	7.74E-06	2.39E-05
4125	437783.7	3762410	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
4126	437798.9	3762447	1.26E-04	4.29E-04	1.95E-05	7.00E-05	1.05E-05	3.25E-05
4127	437441.7	3762225	4.15E-05	1.41E-04	6.45E-06	2.31E-05	3.47E-06	1.07E-05
4128	437431.8	3762225	4.11E-05	1.40E-04	6.39E-06	2.29E-05	3.44E-06	1.06E-05
4129	437421.9	3762225	4.08E-05	1.39E-04	6.33E-06	2.27E-05	3.41E-06	1.05E-05
4130	437412	3762225	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
4131	437402.2	3762225	4.01E-05	1.37E-04	6.23E-06	2.23E-05	3.36E-06	1.04E-05
4132	437392.3	3762225	3.98E-05	1.36E-04	6.18E-06	2.22E-05	3.33E-06	1.03E-05
4133	437450.6	3762198	3.80E-05	1.29E-04	5.90E-06	2.11E-05	3.18E-06	9.81E-06
4134	437504.4	3762220	4.34E-05	1.48E-04	6.74E-06	2.42E-05	3.63E-06	1.12E-05
4135	437513.3	3762224	4.44E-05	1.52E-04	6.90E-06	2.47E-05	3.72E-06	1.15E-05
4136	437522.3	3762228	4.55E-05	1.55E-04	7.07E-06	2.53E-05	3.81E-06	1.18E-05
4137	437789.6	3762352	8.26E-05	2.82E-04	1.28E-05	4.60E-05	6.92E-06	2.14E-05
4138	437804.5	3762388	9.50E-05	3.24E-04	1.48E-05	5.29E-05	7.95E-06	2.46E-05
4139	437819.4	3762424	1.09E-04	3.73E-04	1.70E-05	6.10E-05	9.16E-06	2.83E-05
4140	437441.6	3762195	3.72E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.60E-06
4141	437431.7	3762195	3.68E-05	1.26E-04	5.73E-06	2.05E-05	3.08E-06	9.52E-06
4142	437421.8	3762195	3.65E-05	1.25E-04	5.68E-06	2.04E-05	3.06E-06	9.44E-06
4143	437411.9	3762195	3.63E-05	1.24E-04	5.63E-06	2.02E-05	3.03E-06	9.37E-06
4144	437402	3762195	3.60E-05	1.23E-04	5.59E-06	2.00E-05	3.01E-06	9.30E-06
4145	437392.1	3762195	3.57E-05	1.22E-04	5.55E-06	1.99E-05	2.99E-06	9.23E-06
4146	437450.5	3762168	3.42E-05	1.17E-04	5.32E-06	1.91E-05	2.86E-06	8.84E-06
4147	437504.8	3762191	3.89E-05	1.33E-04	6.04E-06	2.17E-05	3.26E-06	1.01E-05
4148	437513.9	3762194	3.98E-05	1.36E-04	6.18E-06	2.22E-05	3.33E-06	1.03E-05
4149	437522.9	3762198	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.40E-06	1.05E-05
4150	437810.9	3762331	7.45E-05	2.54E-04	1.16E-05	4.15E-05	6.23E-06	1.92E-05
4151	437825.9	3762368	8.50E-05	2.90E-04	1.32E-05	4.73E-05	7.11E-06	2.20E-05
4152	437840.9	3762404	9.70E-05	3.31E-04	1.51E-05	5.41E-05	8.12E-06	2.51E-05
4153	437923.4	3762602	2.09E-04	7.13E-04	3.25E-05	1.17E-04	1.75E-05	5.41E-05
4154	437441.5	3762165	3.35E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.66E-06
4155	437431.6	3762165	3.33E-05	1.13E-04	5.17E-06	1.85E-05	2.78E-06	8.59E-06
4156	437421.7	3762165	3.30E-05	1.13E-04	5.13E-06	1.84E-05	2.76E-06	8.52E-06

4157	437411.8	3762165	3.27E-05	1.12E-04	5.09E-06	1.82E-05	2.74E-06	8.46E-06
4158	437401.9	3762165	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
4159	437392	3762165	3.23E-05	1.10E-04	5.01E-06	1.80E-05	2.70E-06	8.34E-06
4160	437450.5	3762138	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
4161	437505.2	3762161	3.51E-05	1.20E-04	5.46E-06	1.96E-05	2.94E-06	9.07E-06
4162	437514.4	3762165	3.59E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.27E-06
4163	437523.5	3762168	3.67E-05	1.25E-04	5.69E-06	2.04E-05	3.07E-06	9.47E-06
4164	437832.1	3762310	6.75E-05	2.30E-04	1.05E-05	3.76E-05	5.65E-06	1.74E-05
4165	437847.3	3762347	7.65E-05	2.61E-04	1.19E-05	4.26E-05	6.40E-06	1.98E-05
4166	437862.4	3762383	8.67E-05	2.96E-04	1.35E-05	4.83E-05	7.26E-06	2.24E-05
4167	437441.4	3762135	3.04E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.86E-06
4168	437431.5	3762135	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.80E-06
4169	437421.6	3762135	3.00E-05	1.02E-04	4.66E-06	1.67E-05	2.51E-06	7.74E-06
4170	437411.7	3762135	2.97E-05	1.01E-04	4.62E-06	1.66E-05	2.49E-06	7.69E-06
4171	437401.8	3762135	2.95E-05	1.01E-04	4.59E-06	1.65E-05	2.47E-06	7.63E-06
4172	437391.9	3762135	2.93E-05	1.00E-04	4.56E-06	1.63E-05	2.45E-06	7.58E-06
4173	437450.3	3762108	2.83E-05	9.65E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
4174	437504.2	3762131	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.21E-06
4175	437513.2	3762134	3.24E-05	1.11E-04	5.04E-06	1.81E-05	2.71E-06	8.38E-06
4176	437522.2	3762138	3.31E-05	1.13E-04	5.14E-06	1.84E-05	2.77E-06	8.55E-06
4177	437853.2	3762289	6.15E-05	2.10E-04	9.55E-06	3.42E-05	5.15E-06	1.59E-05
4178	437868.1	3762325	6.90E-05	2.35E-04	1.07E-05	3.84E-05	5.77E-06	1.78E-05
4179	437883	3762361	7.74E-05	2.64E-04	1.20E-05	4.31E-05	6.48E-06	2.00E-05
4180	437441.3	3762105	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.18E-06
4181	437431.4	3762105	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.13E-06
4182	437421.5	3762105	2.74E-05	9.33E-05	4.25E-06	1.52E-05	2.29E-06	7.07E-06
4183	437411.6	3762105	2.72E-05	9.27E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
4184	437401.7	3762105	2.70E-05	9.20E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
4185	437391.8	3762105	2.68E-05	9.14E-05	4.17E-06	1.49E-05	2.24E-06	6.93E-06
4186	437486.4	3762093	2.80E-05	9.53E-05	4.34E-06	1.56E-05	2.34E-06	7.22E-06
4187	437495.5	3762097	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
4188	437504.6	3762101	2.90E-05	9.90E-05	4.51E-06	1.62E-05	2.43E-06	7.50E-06
4189	437513.6	3762104	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.65E-06
4190	437522.7	3762108	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.80E-06
4191	437889.4	3762304	6.28E-05	2.14E-04	9.76E-06	3.50E-05	5.26E-06	1.62E-05
4192	437904.5	3762340	7.01E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
4193	437921.5	3762285	5.73E-05	1.95E-04	8.90E-06	3.19E-05	4.80E-06	1.48E-05
4194	437925.3	3762294	5.88E-05	2.00E-04	9.13E-06	3.27E-05	4.92E-06	1.52E-05
4195	437936.6	3762321	6.34E-05	2.16E-04	9.85E-06	3.53E-05	5.31E-06	1.64E-05
4196	437940.3	3762330	6.50E-05	2.22E-04	1.01E-05	3.62E-05	5.44E-06	1.68E-05
4197	438002.6	3762384	7.14E-05	2.43E-04	1.11E-05	3.98E-05	5.97E-06	1.84E-05
4198	438006.4	3762393	7.31E-05	2.49E-04	1.14E-05	4.07E-05	6.12E-06	1.89E-05
4199	438010.2	3762402	7.49E-05	2.55E-04	1.16E-05	4.17E-05	6.27E-06	1.93E-05
4200	438014	3762411	7.67E-05	2.62E-04	1.19E-05	4.27E-05	6.42E-06	1.98E-05
4201	438017.7	3762420	7.86E-05	2.68E-04	1.22E-05	4.38E-05	6.58E-06	2.03E-05
4202	438021.5	3762429	8.06E-05	2.75E-04	1.25E-05	4.49E-05	6.75E-06	2.08E-05
4203	438025.3	3762438	8.26E-05	2.82E-04	1.28E-05	4.60E-05	6.92E-06	2.14E-05
4204	438029.1	3762447	8.48E-05	2.89E-04	1.32E-05	4.72E-05	7.10E-06	2.19E-05
4205	438032.8	3762457	8.70E-05	2.97E-04	1.35E-05	4.84E-05	7.28E-06	2.25E-05
4206	438036.6	3762466	8.93E-05	3.04E-04	1.39E-05	4.97E-05	7.47E-06	2.31E-05
4207	438040.4	3762475	9.16E-05	3.12E-04	1.42E-05	5.10E-05	7.67E-06	2.37E-05
4208	438044.2	3762484	9.41E-05	3.21E-04	1.46E-05	5.24E-05	7.88E-06	2.43E-05

4209	438047.9	3762493	9.66E-05	3.30E-04	1.50E-05	5.38E-05	8.09E-06	2.50E-05
4210	438051.7	3762502	9.93E-05	3.39E-04	1.54E-05	5.53E-05	8.31E-06	2.57E-05
4211	438055.5	3762511	1.02E-04	3.48E-04	1.59E-05	5.68E-05	8.54E-06	2.64E-05
4212	438059.3	3762520	1.05E-04	3.57E-04	1.63E-05	5.84E-05	8.77E-06	2.71E-05
4213	438063	3762529	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
4214	438066.8	3762538	1.11E-04	3.77E-04	1.72E-05	6.17E-05	9.27E-06	2.86E-05
4215	438070.6	3762547	1.14E-04	3.88E-04	1.77E-05	6.34E-05	9.52E-06	2.94E-05
4216	438074.4	3762556	1.17E-04	3.98E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
4217	438078.2	3762566	1.20E-04	4.09E-04	1.86E-05	6.68E-05	1.00E-05	3.10E-05
4218	438081.9	3762575	1.23E-04	4.20E-04	1.91E-05	6.86E-05	1.03E-05	3.18E-05
4219	438085.7	3762584	1.27E-04	4.32E-04	1.97E-05	7.05E-05	1.06E-05	3.27E-05
4220	438089.5	3762593	1.30E-04	4.43E-04	2.02E-05	7.24E-05	1.09E-05	3.36E-05
4221	438093.3	3762602	1.33E-04	4.55E-04	2.07E-05	7.43E-05	1.12E-05	3.45E-05
4222	438097	3762611	1.37E-04	4.67E-04	2.13E-05	7.62E-05	1.15E-05	3.54E-05
4223	438100.8	3762620	1.40E-04	4.78E-04	2.18E-05	7.82E-05	1.17E-05	3.63E-05
4224	438104.6	3762629	1.44E-04	4.90E-04	2.23E-05	8.01E-05	1.20E-05	3.72E-05
4225	438108.4	3762638	1.47E-04	5.02E-04	2.29E-05	8.20E-05	1.23E-05	3.81E-05
4226	438112.1	3762647	1.51E-04	5.14E-04	2.34E-05	8.40E-05	1.26E-05	3.90E-05
4227	438115.9	3762656	1.54E-04	5.26E-04	2.40E-05	8.59E-05	1.29E-05	3.98E-05
4228	438119.7	3762666	1.58E-04	5.37E-04	2.45E-05	8.78E-05	1.32E-05	4.07E-05
4229	437981.9	3762237	4.73E-05	1.61E-04	7.35E-06	2.63E-05	3.96E-06	1.22E-05
4230	437985.6	3762247	4.83E-05	1.65E-04	7.51E-06	2.69E-05	4.04E-06	1.25E-05
4231	437997	3762274	5.16E-05	1.76E-04	8.02E-06	2.87E-05	4.32E-06	1.33E-05
4232	438000.8	3762283	5.28E-05	1.80E-04	8.20E-06	2.94E-05	4.42E-06	1.36E-05
4233	438004.6	3762292	5.39E-05	1.84E-04	8.38E-06	3.00E-05	4.51E-06	1.39E-05
4234	438008.3	3762301	5.51E-05	1.88E-04	8.56E-06	3.07E-05	4.61E-06	1.42E-05
4235	438012.1	3762310	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.72E-06	1.46E-05
4236	438015.9	3762319	5.76E-05	1.96E-04	8.95E-06	3.21E-05	4.82E-06	1.49E-05
4237	438019.7	3762329	5.89E-05	2.01E-04	9.14E-06	3.28E-05	4.93E-06	1.52E-05
4238	438042.4	3762383	6.72E-05	2.29E-04	1.04E-05	3.74E-05	5.63E-06	1.74E-05
4239	438046.2	3762392	6.88E-05	2.34E-04	1.07E-05	3.83E-05	5.75E-06	1.78E-05
4240	438050	3762401	7.03E-05	2.40E-04	1.09E-05	3.92E-05	5.89E-06	1.82E-05
4241	438053.7	3762410	7.20E-05	2.45E-04	1.12E-05	4.01E-05	6.02E-06	1.86E-05
4242	438057.5	3762420	7.37E-05	2.51E-04	1.14E-05	4.10E-05	6.17E-06	1.90E-05
4243	438061.3	3762429	7.54E-05	2.57E-04	1.17E-05	4.20E-05	6.31E-06	1.95E-05
4244	438065.1	3762438	7.72E-05	2.63E-04	1.20E-05	4.30E-05	6.47E-06	2.00E-05
4245	438068.9	3762447	7.91E-05	2.70E-04	1.23E-05	4.41E-05	6.62E-06	2.05E-05
4246	438072.7	3762456	8.11E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
4247	438076.4	3762465	8.31E-05	2.84E-04	1.29E-05	4.63E-05	6.96E-06	2.15E-05
4248	438080.2	3762474	8.52E-05	2.91E-04	1.32E-05	4.75E-05	7.14E-06	2.20E-05
4249	438084	3762483	8.74E-05	2.98E-04	1.36E-05	4.87E-05	7.32E-06	2.26E-05
4250	438087.8	3762492	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
4251	438091.6	3762502	9.20E-05	3.14E-04	1.43E-05	5.13E-05	7.70E-06	2.38E-05
4252	438095.4	3762511	9.44E-05	3.22E-04	1.47E-05	5.26E-05	7.90E-06	2.44E-05
4253	438099.1	3762520	9.69E-05	3.30E-04	1.50E-05	5.40E-05	8.11E-06	2.50E-05
4254	438102.9	3762529	9.94E-05	3.39E-04	1.54E-05	5.54E-05	8.32E-06	2.57E-05
4255	438106.7	3762538	1.02E-04	3.48E-04	1.58E-05	5.68E-05	8.53E-06	2.63E-05
4256	438110.5	3762547	1.05E-04	3.57E-04	1.62E-05	5.83E-05	8.75E-06	2.70E-05
4257	438114.3	3762556	1.07E-04	3.66E-04	1.67E-05	5.98E-05	8.98E-06	2.77E-05
4258	438118.1	3762565	1.10E-04	3.75E-04	1.71E-05	6.13E-05	9.21E-06	2.84E-05
4259	438121.8	3762574	1.13E-04	3.85E-04	1.75E-05	6.29E-05	9.45E-06	2.92E-05
4260	438125.6	3762584	1.16E-04	3.95E-04	1.80E-05	6.45E-05	9.69E-06	2.99E-05

4261	438129.4	3762593	1.19E-04	4.04E-04	1.84E-05	6.61E-05	9.93E-06	3.06E-05
4262	438133.2	3762602	1.22E-04	4.14E-04	1.89E-05	6.77E-05	1.02E-05	3.14E-05
4263	438137	3762611	1.24E-04	4.24E-04	1.93E-05	6.93E-05	1.04E-05	3.22E-05
4264	438140.8	3762620	1.27E-04	4.34E-04	1.98E-05	7.10E-05	1.07E-05	3.29E-05
4265	438144.5	3762629	1.30E-04	4.44E-04	2.02E-05	7.26E-05	1.09E-05	3.37E-05
4266	438148.3	3762638	1.33E-04	4.54E-04	2.07E-05	7.42E-05	1.12E-05	3.44E-05
4267	438152.1	3762647	1.36E-04	4.64E-04	2.12E-05	7.58E-05	1.14E-05	3.52E-05
4268	438155.9	3762656	1.39E-04	4.74E-04	2.16E-05	7.74E-05	1.16E-05	3.59E-05
4269	438159.7	3762666	1.42E-04	4.83E-04	2.20E-05	7.90E-05	1.19E-05	3.66E-05
4270	437987.4	3762154	3.78E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.78E-06
4271	437991.2	3762164	3.86E-05	1.32E-04	6.00E-06	2.15E-05	3.23E-06	9.98E-06
4272	437995	3762173	3.94E-05	1.34E-04	6.12E-06	2.20E-05	3.30E-06	1.02E-05
4273	438006.4	3762200	4.20E-05	1.43E-04	6.52E-06	2.34E-05	3.51E-06	1.08E-05
4274	438010.1	3762209	4.28E-05	1.46E-04	6.66E-06	2.39E-05	3.59E-06	1.11E-05
4275	438013.9	3762218	4.37E-05	1.49E-04	6.79E-06	2.44E-05	3.66E-06	1.13E-05
4276	438025.3	3762246	4.65E-05	1.59E-04	7.23E-06	2.59E-05	3.89E-06	1.20E-05
4277	438029.1	3762255	4.75E-05	1.62E-04	7.38E-06	2.64E-05	3.97E-06	1.23E-05
4278	438032.9	3762264	4.85E-05	1.65E-04	7.53E-06	2.70E-05	4.06E-06	1.25E-05
4279	438036.7	3762273	4.95E-05	1.69E-04	7.69E-06	2.76E-05	4.14E-06	1.28E-05
4280	438040.5	3762282	5.05E-05	1.72E-04	7.84E-06	2.81E-05	4.22E-06	1.30E-05
4281	438044.3	3762291	5.15E-05	1.76E-04	8.00E-06	2.87E-05	4.31E-06	1.33E-05
4282	438048	3762300	5.26E-05	1.79E-04	8.17E-06	2.93E-05	4.40E-06	1.36E-05
4283	438051.8	3762310	5.37E-05	1.83E-04	8.34E-06	2.99E-05	4.49E-06	1.39E-05
4284	438055.6	3762319	5.48E-05	1.87E-04	8.51E-06	3.05E-05	4.58E-06	1.42E-05
4285	438059.4	3762328	5.59E-05	1.91E-04	8.69E-06	3.11E-05	4.68E-06	1.44E-05
4286	438063.2	3762337	5.71E-05	1.95E-04	8.87E-06	3.18E-05	4.78E-06	1.47E-05
4287	438067	3762346	5.83E-05	1.99E-04	9.05E-06	3.25E-05	4.88E-06	1.51E-05
4288	438070.8	3762355	5.95E-05	2.03E-04	9.24E-06	3.31E-05	4.98E-06	1.54E-05
4289	438074.6	3762364	6.07E-05	2.07E-04	9.44E-06	3.38E-05	5.08E-06	1.57E-05
4290	438078.4	3762373	6.20E-05	2.12E-04	9.64E-06	3.46E-05	5.19E-06	1.60E-05
4291	438082.2	3762383	6.34E-05	2.16E-04	9.85E-06	3.53E-05	5.30E-06	1.64E-05
4292	438086	3762392	6.47E-05	2.21E-04	1.01E-05	3.61E-05	5.42E-06	1.67E-05
4293	438089.7	3762401	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
4294	438093.5	3762410	6.76E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05
4295	438097.3	3762419	6.91E-05	2.36E-04	1.07E-05	3.85E-05	5.79E-06	1.79E-05
4296	438101.1	3762428	7.07E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
4297	438104.9	3762437	7.24E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
4298	438108.7	3762447	7.41E-05	2.53E-04	1.15E-05	4.13E-05	6.20E-06	1.91E-05
4299	438112.5	3762456	7.58E-05	2.58E-04	1.18E-05	4.22E-05	6.34E-06	1.96E-05
4300	438116.3	3762465	7.76E-05	2.65E-04	1.21E-05	4.32E-05	6.50E-06	2.01E-05
4301	438120.1	3762474	7.95E-05	2.71E-04	1.24E-05	4.43E-05	6.65E-06	2.05E-05
4302	438123.9	3762483	8.14E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.10E-05
4303	438127.6	3762492	8.34E-05	2.84E-04	1.30E-05	4.65E-05	6.98E-06	2.16E-05
4304	438131.4	3762501	8.55E-05	2.91E-04	1.33E-05	4.76E-05	7.15E-06	2.21E-05
4305	438135.2	3762510	8.76E-05	2.99E-04	1.36E-05	4.88E-05	7.33E-06	2.26E-05
4306	438139	3762520	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
4307	438142.8	3762529	9.20E-05	3.14E-04	1.43E-05	5.12E-05	7.70E-06	2.38E-05
4308	438146.6	3762538	9.42E-05	3.21E-04	1.46E-05	5.25E-05	7.89E-06	2.43E-05
4309	438150.4	3762547	9.65E-05	3.29E-04	1.50E-05	5.38E-05	8.08E-06	2.49E-05
4310	438154.2	3762556	9.89E-05	3.37E-04	1.54E-05	5.51E-05	8.28E-06	2.56E-05
4311	438158	3762565	1.01E-04	3.45E-04	1.57E-05	5.64E-05	8.48E-06	2.62E-05
4312	438161.8	3762574	1.04E-04	3.54E-04	1.61E-05	5.78E-05	8.68E-06	2.68E-05

4313	438165.6	3762583	1.06E-04	3.62E-04	1.65E-05	5.92E-05	8.89E-06	2.74E-05
4314	438169.3	3762593	1.09E-04	3.71E-04	1.69E-05	6.05E-05	9.10E-06	2.81E-05
4315	438173.1	3762602	1.11E-04	3.79E-04	1.73E-05	6.19E-05	9.30E-06	2.87E-05
4316	438176.9	3762611	1.14E-04	3.88E-04	1.77E-05	6.33E-05	9.51E-06	2.94E-05
4317	438180.7	3762620	1.16E-04	3.96E-04	1.80E-05	6.47E-05	9.72E-06	3.00E-05
4318	438184.5	3762629	1.19E-04	4.04E-04	1.84E-05	6.61E-05	9.93E-06	3.06E-05
4319	438188.3	3762638	1.21E-04	4.13E-04	1.88E-05	6.74E-05	1.01E-05	3.13E-05
4320	438192.1	3762647	1.23E-04	4.21E-04	1.92E-05	6.88E-05	1.03E-05	3.19E-05
4321	438195.9	3762656	1.26E-04	4.29E-04	1.96E-05	7.01E-05	1.05E-05	3.25E-05
4322	438199.7	3762666	1.28E-04	4.37E-04	1.99E-05	7.14E-05	1.07E-05	3.31E-05
4323	438015.5	3762126	3.48E-05	1.19E-04	5.40E-06	1.94E-05	2.91E-06	8.98E-06
4324	438019.3	3762135	3.54E-05	1.21E-04	5.50E-06	1.97E-05	2.96E-06	9.15E-06
4325	438023	3762144	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.32E-06
4326	438034.2	3762171	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.20E-06	9.87E-06
4327	438037.9	3762180	3.89E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
4328	438041.7	3762189	3.97E-05	1.35E-04	6.17E-06	2.21E-05	3.32E-06	1.03E-05
4329	438052.9	3762216	4.20E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
4330	438056.6	3762225	4.28E-05	1.46E-04	6.65E-06	2.39E-05	3.58E-06	1.11E-05
4331	438060.4	3762234	4.36E-05	1.49E-04	6.78E-06	2.43E-05	3.65E-06	1.13E-05
4332	438064.1	3762243	4.45E-05	1.52E-04	6.91E-06	2.48E-05	3.72E-06	1.15E-05
4333	438067.8	3762252	4.53E-05	1.55E-04	7.04E-06	2.53E-05	3.79E-06	1.17E-05
4334	438071.6	3762261	4.62E-05	1.58E-04	7.18E-06	2.57E-05	3.87E-06	1.19E-05
4335	438075.3	3762270	4.71E-05	1.61E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
4336	438079	3762279	4.80E-05	1.64E-04	7.45E-06	2.67E-05	4.02E-06	1.24E-05
4337	438082.8	3762288	4.89E-05	1.67E-04	7.59E-06	2.72E-05	4.09E-06	1.26E-05
4338	438086.5	3762297	4.98E-05	1.70E-04	7.74E-06	2.77E-05	4.17E-06	1.29E-05
4339	438090.3	3762306	5.07E-05	1.73E-04	7.88E-06	2.83E-05	4.25E-06	1.31E-05
4340	438094	3762315	5.17E-05	1.76E-04	8.03E-06	2.88E-05	4.33E-06	1.34E-05
4341	438097.7	3762324	5.27E-05	1.80E-04	8.19E-06	2.94E-05	4.41E-06	1.36E-05
4342	438101.5	3762333	5.37E-05	1.83E-04	8.34E-06	2.99E-05	4.50E-06	1.39E-05
4343	438105.2	3762342	5.47E-05	1.87E-04	8.51E-06	3.05E-05	4.58E-06	1.41E-05
4344	438108.9	3762351	5.58E-05	1.90E-04	8.67E-06	3.11E-05	4.67E-06	1.44E-05
4345	438112.7	3762360	5.69E-05	1.94E-04	8.84E-06	3.17E-05	4.76E-06	1.47E-05
4346	438116.4	3762369	5.80E-05	1.98E-04	9.02E-06	3.23E-05	4.86E-06	1.50E-05
4347	438120.1	3762378	5.92E-05	2.02E-04	9.20E-06	3.30E-05	4.96E-06	1.53E-05
4348	438123.9	3762387	6.04E-05	2.06E-04	9.39E-06	3.37E-05	5.06E-06	1.56E-05
4349	438127.6	3762396	6.17E-05	2.10E-04	9.58E-06	3.43E-05	5.16E-06	1.59E-05
4350	438131.4	3762405	6.29E-05	2.15E-04	9.78E-06	3.51E-05	5.27E-06	1.63E-05
4351	438135.1	3762414	6.43E-05	2.19E-04	9.98E-06	3.58E-05	5.38E-06	1.66E-05
4352	438138.8	3762423	6.56E-05	2.24E-04	1.02E-05	3.66E-05	5.49E-06	1.70E-05
4353	438142.6	3762432	6.71E-05	2.29E-04	1.04E-05	3.74E-05	5.61E-06	1.73E-05
4354	438146.3	3762441	6.85E-05	2.34E-04	1.06E-05	3.82E-05	5.74E-06	1.77E-05
4355	438150	3762450	7.00E-05	2.39E-04	1.09E-05	3.90E-05	5.86E-06	1.81E-05
4356	438153.8	3762459	7.16E-05	2.44E-04	1.11E-05	3.99E-05	5.99E-06	1.85E-05
4357	438157.5	3762468	7.32E-05	2.50E-04	1.14E-05	4.08E-05	6.13E-06	1.89E-05
4358	438161.3	3762477	7.49E-05	2.55E-04	1.16E-05	4.17E-05	6.27E-06	1.94E-05
4359	438165	3762486	7.66E-05	2.61E-04	1.19E-05	4.27E-05	6.41E-06	1.98E-05
4360	438168.7	3762495	7.84E-05	2.67E-04	1.22E-05	4.37E-05	6.56E-06	2.03E-05
4361	438172.5	3762504	8.02E-05	2.73E-04	1.25E-05	4.47E-05	6.71E-06	2.07E-05
4362	438176.2	3762513	8.20E-05	2.80E-04	1.27E-05	4.57E-05	6.87E-06	2.12E-05
4363	438183.7	3762531	8.59E-05	2.93E-04	1.33E-05	4.78E-05	7.19E-06	2.22E-05
4364	438187.4	3762540	8.79E-05	3.00E-04	1.37E-05	4.89E-05	7.35E-06	2.27E-05

4365	438191.1	3762549	8.99E-05	3.06E-04	1.40E-05	5.01E-05	7.52E-06	2.32E-05
4366	438194.9	3762558	9.19E-05	3.13E-04	1.43E-05	5.12E-05	7.69E-06	2.37E-05
4367	438198.6	3762567	9.39E-05	3.20E-04	1.46E-05	5.23E-05	7.86E-06	2.43E-05
4368	438202.4	3762576	9.60E-05	3.27E-04	1.49E-05	5.35E-05	8.04E-06	2.48E-05
4369	438206.1	3762585	9.81E-05	3.34E-04	1.52E-05	5.46E-05	8.21E-06	2.53E-05
4370	438221	3762621	1.06E-04	3.63E-04	1.65E-05	5.93E-05	8.91E-06	2.75E-05
4371	438224.8	3762630	1.08E-04	3.70E-04	1.69E-05	6.04E-05	9.08E-06	2.80E-05
4372	438228.5	3762639	1.11E-04	3.77E-04	1.72E-05	6.16E-05	9.25E-06	2.86E-05
4373	438232.2	3762648	1.13E-04	3.84E-04	1.75E-05	6.27E-05	9.42E-06	2.91E-05
4374	438236	3762657	1.15E-04	3.91E-04	1.78E-05	6.38E-05	9.59E-06	2.96E-05
4375	438239.7	3762666	1.16E-04	3.97E-04	1.81E-05	6.49E-05	9.75E-06	3.01E-05
4376	438047.5	3762107	3.27E-05	1.11E-04	5.08E-06	1.82E-05	2.73E-06	8.44E-06
4377	438051.3	3762116	3.33E-05	1.13E-04	5.17E-06	1.85E-05	2.78E-06	8.59E-06
4378	438062.5	3762143	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.94E-06	9.06E-06
4379	438066.2	3762152	3.57E-05	1.22E-04	5.55E-06	1.99E-05	2.99E-06	9.23E-06
4380	438070	3762161	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.04E-06	9.39E-06
4381	438081.2	3762188	3.84E-05	1.31E-04	5.96E-06	2.14E-05	3.21E-06	9.92E-06
4382	438085	3762197	3.91E-05	1.33E-04	6.07E-06	2.18E-05	3.27E-06	1.01E-05
4383	438088.7	3762206	3.98E-05	1.36E-04	6.18E-06	2.22E-05	3.33E-06	1.03E-05
4384	438092.5	3762215	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
4385	438096.2	3762224	4.12E-05	1.41E-04	6.40E-06	2.30E-05	3.45E-06	1.07E-05
4386	438099.9	3762233	4.20E-05	1.43E-04	6.52E-06	2.34E-05	3.51E-06	1.08E-05
4387	438103.7	3762242	4.27E-05	1.46E-04	6.64E-06	2.38E-05	3.57E-06	1.10E-05
4388	438107.4	3762251	4.35E-05	1.48E-04	6.75E-06	2.42E-05	3.64E-06	1.12E-05
4389	438111.2	3762260	4.42E-05	1.51E-04	6.87E-06	2.46E-05	3.70E-06	1.14E-05
4390	438114.9	3762269	4.50E-05	1.53E-04	6.99E-06	2.51E-05	3.77E-06	1.16E-05
4391	438118.7	3762278	4.58E-05	1.56E-04	7.12E-06	2.55E-05	3.83E-06	1.18E-05
4392	438122.4	3762287	4.66E-05	1.59E-04	7.24E-06	2.60E-05	3.90E-06	1.20E-05
4393	438126.2	3762296	4.74E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.23E-05
4394	438129.9	3762305	4.83E-05	1.65E-04	7.50E-06	2.69E-05	4.04E-06	1.25E-05
4395	438133.7	3762314	4.92E-05	1.68E-04	7.64E-06	2.74E-05	4.11E-06	1.27E-05
4396	438137.4	3762323	5.00E-05	1.71E-04	7.78E-06	2.79E-05	4.19E-06	1.29E-05
4397	438141.1	3762332	5.10E-05	1.74E-04	7.92E-06	2.84E-05	4.26E-06	1.32E-05
4398	438144.9	3762341	5.19E-05	1.77E-04	8.06E-06	2.89E-05	4.34E-06	1.34E-05
4399	438148.6	3762350	5.29E-05	1.80E-04	8.21E-06	2.94E-05	4.42E-06	1.37E-05
4400	438152.4	3762359	5.39E-05	1.84E-04	8.37E-06	3.00E-05	4.51E-06	1.39E-05
4401	438156.1	3762368	5.49E-05	1.87E-04	8.53E-06	3.06E-05	4.59E-06	1.42E-05
4402	438159.9	3762377	5.60E-05	1.91E-04	8.69E-06	3.12E-05	4.68E-06	1.45E-05
4403	438163.6	3762386	5.70E-05	1.95E-04	8.86E-06	3.18E-05	4.77E-06	1.47E-05
4404	438167.4	3762395	5.82E-05	1.98E-04	9.04E-06	3.24E-05	4.87E-06	1.50E-05
4405	438171.1	3762404	5.93E-05	2.02E-04	9.22E-06	3.31E-05	4.97E-06	1.53E-05
4406	438174.8	3762413	6.05E-05	2.06E-04	9.41E-06	3.37E-05	5.07E-06	1.56E-05
4407	438178.6	3762422	6.18E-05	2.11E-04	9.60E-06	3.44E-05	5.17E-06	1.60E-05
4408	438182.3	3762431	6.31E-05	2.15E-04	9.80E-06	3.51E-05	5.28E-06	1.63E-05
4409	438186.1	3762440	6.44E-05	2.20E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4410	438189.8	3762449	6.58E-05	2.24E-04	1.02E-05	3.66E-05	5.51E-06	1.70E-05
4411	438193.6	3762458	6.72E-05	2.29E-04	1.04E-05	3.74E-05	5.62E-06	1.74E-05
4412	438197.3	3762467	6.86E-05	2.34E-04	1.07E-05	3.82E-05	5.75E-06	1.77E-05
4413	438201.1	3762476	7.01E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
4414	438204.8	3762485	7.17E-05	2.44E-04	1.11E-05	3.99E-05	6.00E-06	1.85E-05
4415	438208.6	3762494	7.33E-05	2.50E-04	1.14E-05	4.08E-05	6.13E-06	1.89E-05
4416	438223.5	3762530	7.99E-05	2.72E-04	1.24E-05	4.45E-05	6.69E-06	2.06E-05

4417	438227.3	3762539	8.16E-05	2.78E-04	1.27E-05	4.55E-05	6.83E-06	2.11E-05
4418	438231	3762548	8.34E-05	2.84E-04	1.30E-05	4.64E-05	6.98E-06	2.15E-05
4419	438234.8	3762557	8.51E-05	2.90E-04	1.32E-05	4.74E-05	7.13E-06	2.20E-05
4420	438238.5	3762566	8.69E-05	2.96E-04	1.35E-05	4.84E-05	7.27E-06	2.25E-05
4421	438242.3	3762575	8.87E-05	3.03E-04	1.38E-05	4.94E-05	7.43E-06	2.29E-05
4422	438246	3762584	9.05E-05	3.09E-04	1.41E-05	5.04E-05	7.58E-06	2.34E-05
4423	437476.3	3761810	1.46E-05	4.99E-05	2.27E-06	8.15E-06	1.22E-06	3.78E-06
4424	437485.3	3761813	1.48E-05	5.05E-05	2.30E-06	8.26E-06	1.24E-06	3.83E-06
4425	437494.4	3761817	1.50E-05	5.12E-05	2.33E-06	8.36E-06	1.26E-06	3.88E-06
4426	437503.4	3761821	1.52E-05	5.18E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
4427	437512.5	3761824	1.54E-05	5.25E-05	2.39E-06	8.58E-06	1.29E-06	3.98E-06
4428	437521.5	3761828	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
4429	438090.8	3762114	3.24E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.36E-06
4430	438094.5	3762123	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.76E-06	8.51E-06
4431	438098.3	3762133	3.35E-05	1.14E-04	5.20E-06	1.87E-05	2.80E-06	8.65E-06
4432	438109.5	3762160	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.10E-06
4433	438113.3	3762169	3.58E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.26E-06
4434	438117.1	3762178	3.64E-05	1.24E-04	5.66E-06	2.03E-05	3.05E-06	9.42E-06
4435	438120.8	3762187	3.71E-05	1.26E-04	5.76E-06	2.06E-05	3.10E-06	9.57E-06
4436	438124.6	3762196	3.77E-05	1.28E-04	5.86E-06	2.10E-05	3.15E-06	9.74E-06
4437	438128.3	3762205	3.83E-05	1.31E-04	5.95E-06	2.13E-05	3.21E-06	9.90E-06
4438	438132.1	3762214	3.90E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
4439	438135.8	3762223	3.96E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.02E-05
4440	438139.6	3762232	4.03E-05	1.37E-04	6.26E-06	2.24E-05	3.37E-06	1.04E-05
4441	438143.3	3762241	4.09E-05	1.40E-04	6.36E-06	2.28E-05	3.43E-06	1.06E-05
4442	438147.1	3762250	4.16E-05	1.42E-04	6.47E-06	2.32E-05	3.48E-06	1.08E-05
4443	438150.8	3762259	4.23E-05	1.44E-04	6.57E-06	2.36E-05	3.54E-06	1.09E-05
4444	438154.6	3762268	4.30E-05	1.47E-04	6.68E-06	2.40E-05	3.60E-06	1.11E-05
4445	438158.3	3762277	4.37E-05	1.49E-04	6.79E-06	2.44E-05	3.66E-06	1.13E-05
4446	438162.1	3762286	4.45E-05	1.52E-04	6.91E-06	2.48E-05	3.72E-06	1.15E-05
4447	438165.8	3762295	4.52E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
4448	438169.6	3762304	4.60E-05	1.57E-04	7.14E-06	2.56E-05	3.85E-06	1.19E-05
4449	438173.3	3762313	4.68E-05	1.59E-04	7.27E-06	2.60E-05	3.91E-06	1.21E-05
4450	438177.1	3762322	4.76E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
4451	438180.8	3762331	4.84E-05	1.65E-04	7.52E-06	2.70E-05	4.05E-06	1.25E-05
4452	438184.6	3762340	4.92E-05	1.68E-04	7.65E-06	2.74E-05	4.12E-06	1.27E-05
4453	438188.4	3762349	5.01E-05	1.71E-04	7.79E-06	2.79E-05	4.20E-06	1.30E-05
4454	438192.1	3762358	5.10E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
4455	438195.9	3762367	5.20E-05	1.77E-04	8.08E-06	2.90E-05	4.35E-06	1.34E-05
4456	438199.6	3762376	5.29E-05	1.81E-04	8.23E-06	2.95E-05	4.43E-06	1.37E-05
4457	438203.4	3762386	5.39E-05	1.84E-04	8.38E-06	3.00E-05	4.52E-06	1.39E-05
4458	438207.1	3762395	5.50E-05	1.87E-04	8.54E-06	3.06E-05	4.60E-06	1.42E-05
4459	438210.9	3762404	5.60E-05	1.91E-04	8.71E-06	3.12E-05	4.69E-06	1.45E-05
4460	438214.6	3762413	5.71E-05	1.95E-04	8.88E-06	3.18E-05	4.78E-06	1.48E-05
4461	438218.4	3762422	5.83E-05	1.99E-04	9.05E-06	3.25E-05	4.88E-06	1.51E-05
4462	438222.1	3762431	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.54E-05
4463	438225.9	3762440	6.06E-05	2.07E-04	9.42E-06	3.38E-05	5.08E-06	1.57E-05
4464	438229.6	3762449	6.19E-05	2.11E-04	9.62E-06	3.45E-05	5.18E-06	1.60E-05
4465	438233.4	3762458	6.32E-05	2.15E-04	9.81E-06	3.52E-05	5.29E-06	1.63E-05
4466	438237.1	3762467	6.45E-05	2.20E-04	1.00E-05	3.59E-05	5.40E-06	1.67E-05
4467	438240.9	3762476	6.58E-05	2.24E-04	1.02E-05	3.67E-05	5.51E-06	1.70E-05
4468	438244.6	3762485	6.72E-05	2.29E-04	1.04E-05	3.74E-05	5.62E-06	1.74E-05

4469	438248.4	3762494	6.86E-05	2.34E-04	1.07E-05	3.82E-05	5.74E-06	1.77E-05
4470	438300.9	3762620	9.00E-05	3.07E-04	1.40E-05	5.02E-05	7.54E-06	2.33E-05
4471	438304.7	3762629	9.16E-05	3.12E-04	1.42E-05	5.10E-05	7.67E-06	2.37E-05
4472	438308.4	3762639	9.31E-05	3.17E-04	1.45E-05	5.19E-05	7.79E-06	2.41E-05
4473	438312.2	3762648	9.46E-05	3.23E-04	1.47E-05	5.27E-05	7.92E-06	2.44E-05
4474	438315.9	3762657	9.61E-05	3.28E-04	1.49E-05	5.35E-05	8.04E-06	2.48E-05
4475	438319.7	3762666	9.75E-05	3.32E-04	1.51E-05	5.43E-05	8.16E-06	2.52E-05
4476	437476.2	3761770	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
4477	437485.3	3761773	1.38E-05	4.72E-05	2.15E-06	7.71E-06	1.16E-06	3.57E-06
4478	437494.3	3761777	1.40E-05	4.78E-05	2.18E-06	7.80E-06	1.17E-06	3.62E-06
4479	437503.4	3761781	1.42E-05	4.84E-05	2.20E-06	7.90E-06	1.19E-06	3.66E-06
4480	437512.5	3761784	1.44E-05	4.90E-05	2.23E-06	8.00E-06	1.20E-06	3.71E-06
4481	437521.5	3761788	1.45E-05	4.96E-05	2.26E-06	8.10E-06	1.22E-06	3.76E-06
4482	438126.6	3762104	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.01E-06
4483	438137.9	3762131	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.41E-06
4484	438141.6	3762141	3.31E-05	1.13E-04	5.14E-06	1.84E-05	2.77E-06	8.54E-06
4485	438145.4	3762150	3.36E-05	1.15E-04	5.22E-06	1.87E-05	2.81E-06	8.68E-06
4486	438149.1	3762159	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.85E-06	8.81E-06
4487	438152.9	3762168	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.95E-06
4488	438156.7	3762177	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.94E-06	9.09E-06
4489	438160.4	3762186	3.57E-05	1.22E-04	5.55E-06	1.99E-05	2.99E-06	9.23E-06
4490	438164.2	3762195	3.63E-05	1.24E-04	5.64E-06	2.02E-05	3.04E-06	9.38E-06
4491	438167.9	3762204	3.69E-05	1.26E-04	5.73E-06	2.05E-05	3.09E-06	9.53E-06
4492	438171.7	3762213	3.75E-05	1.28E-04	5.82E-06	2.09E-05	3.13E-06	9.68E-06
4493	438175.5	3762222	3.80E-05	1.30E-04	5.91E-06	2.12E-05	3.18E-06	9.83E-06
4494	438179.2	3762231	3.86E-05	1.32E-04	6.00E-06	2.15E-05	3.23E-06	9.98E-06
4495	438183	3762240	3.92E-05	1.34E-04	6.10E-06	2.19E-05	3.28E-06	1.01E-05
4496	438186.7	3762249	3.99E-05	1.36E-04	6.19E-06	2.22E-05	3.34E-06	1.03E-05
4497	438190.5	3762258	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
4498	438194.3	3762267	4.11E-05	1.40E-04	6.39E-06	2.29E-05	3.44E-06	1.06E-05
4499	438198	3762276	4.18E-05	1.42E-04	6.49E-06	2.33E-05	3.50E-06	1.08E-05
4500	438201.8	3762285	4.24E-05	1.45E-04	6.59E-06	2.36E-05	3.55E-06	1.10E-05
4501	438205.5	3762294	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
4502	438209.3	3762303	4.38E-05	1.49E-04	6.81E-06	2.44E-05	3.67E-06	1.13E-05
4503	438213.1	3762313	4.45E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
4504	438216.8	3762322	4.53E-05	1.54E-04	7.03E-06	2.52E-05	3.79E-06	1.17E-05
4505	438220.6	3762331	4.60E-05	1.57E-04	7.15E-06	2.56E-05	3.85E-06	1.19E-05
4506	438224.3	3762340	4.68E-05	1.60E-04	7.27E-06	2.61E-05	3.92E-06	1.21E-05
4507	438228.1	3762349	4.76E-05	1.62E-04	7.40E-06	2.65E-05	3.99E-06	1.23E-05
4508	438231.9	3762358	4.84E-05	1.65E-04	7.53E-06	2.70E-05	4.05E-06	1.25E-05
4509	438235.6	3762367	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
4510	438239.4	3762376	5.02E-05	1.71E-04	7.80E-06	2.80E-05	4.20E-06	1.30E-05
4511	438243.1	3762385	5.11E-05	1.74E-04	7.94E-06	2.85E-05	4.28E-06	1.32E-05
4512	438246.9	3762394	5.20E-05	1.77E-04	8.09E-06	2.90E-05	4.36E-06	1.34E-05
4513	438250.7	3762403	5.30E-05	1.81E-04	8.24E-06	2.95E-05	4.44E-06	1.37E-05
4514	438254.4	3762412	5.40E-05	1.84E-04	8.39E-06	3.01E-05	4.52E-06	1.40E-05
4515	438258.2	3762421	5.51E-05	1.88E-04	8.56E-06	3.07E-05	4.61E-06	1.42E-05
4516	438261.9	3762430	5.61E-05	1.91E-04	8.72E-06	3.13E-05	4.70E-06	1.45E-05
4517	438265.7	3762439	5.72E-05	1.95E-04	8.89E-06	3.19E-05	4.79E-06	1.48E-05
4518	438269.5	3762448	5.83E-05	1.99E-04	9.07E-06	3.25E-05	4.88E-06	1.51E-05
4519	438273.2	3762457	5.95E-05	2.03E-04	9.25E-06	3.31E-05	4.98E-06	1.54E-05
4520	438277	3762466	6.07E-05	2.07E-04	9.43E-06	3.38E-05	5.08E-06	1.57E-05

4521	438280.7	3762475	6.19E-05	2.11E-04	9.61E-06	3.45E-05	5.18E-06	1.60E-05
4522	438284.5	3762485	6.31E-05	2.15E-04	9.81E-06	3.52E-05	5.28E-06	1.63E-05
4523	438288.3	3762494	6.44E-05	2.19E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4524	438303.3	3762530	6.96E-05	2.37E-04	1.08E-05	3.88E-05	5.82E-06	1.80E-05
4525	438307.1	3762539	7.09E-05	2.42E-04	1.10E-05	3.95E-05	5.93E-06	1.83E-05
4526	438310.8	3762548	7.23E-05	2.46E-04	1.12E-05	4.03E-05	6.05E-06	1.87E-05
4527	438314.6	3762557	7.36E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
4528	438318.3	3762566	7.50E-05	2.56E-04	1.17E-05	4.18E-05	6.28E-06	1.94E-05
4529	438322.1	3762575	7.64E-05	2.60E-04	1.19E-05	4.25E-05	6.39E-06	1.97E-05
4530	438325.9	3762584	7.77E-05	2.65E-04	1.21E-05	4.33E-05	6.51E-06	2.01E-05
4531	438329.6	3762593	7.91E-05	2.70E-04	1.23E-05	4.41E-05	6.62E-06	2.04E-05
4532	438340.9	3762620	8.32E-05	2.84E-04	1.29E-05	4.64E-05	6.97E-06	2.15E-05
4533	438344.7	3762629	8.46E-05	2.88E-04	1.31E-05	4.71E-05	7.08E-06	2.19E-05
4534	438348.4	3762638	8.59E-05	2.93E-04	1.33E-05	4.79E-05	7.19E-06	2.22E-05
4535	438128.5	3762013	2.60E-05	8.86E-05	4.04E-06	1.45E-05	2.17E-06	6.71E-06
4536	438132.3	3762022	2.64E-05	8.99E-05	4.10E-06	1.47E-05	2.21E-06	6.81E-06
4537	438136	3762031	2.68E-05	9.13E-05	4.16E-06	1.49E-05	2.24E-06	6.92E-06
4538	438166.2	3762103	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.80E-06
4539	438169.9	3762112	3.06E-05	1.04E-04	4.76E-06	1.71E-05	2.56E-06	7.92E-06
4540	438173.7	3762121	3.11E-05	1.06E-04	4.83E-06	1.73E-05	2.60E-06	8.04E-06
4541	438177.5	3762131	3.16E-05	1.08E-04	4.90E-06	1.76E-05	2.64E-06	8.16E-06
4542	438181.2	3762140	3.20E-05	1.09E-04	4.98E-06	1.78E-05	2.68E-06	8.28E-06
4543	438185	3762149	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
4544	438188.8	3762158	3.30E-05	1.12E-04	5.12E-06	1.84E-05	2.76E-06	8.52E-06
4545	438192.5	3762167	3.35E-05	1.14E-04	5.20E-06	1.86E-05	2.80E-06	8.65E-06
4546	438196.3	3762176	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.77E-06
4547	438200.1	3762185	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.90E-06
4548	438203.8	3762194	3.50E-05	1.19E-04	5.43E-06	1.95E-05	2.93E-06	9.03E-06
4549	438207.6	3762203	3.55E-05	1.21E-04	5.51E-06	1.98E-05	2.97E-06	9.16E-06
4550	438211.4	3762212	3.60E-05	1.23E-04	5.59E-06	2.00E-05	3.01E-06	9.30E-06
4551	438215.1	3762221	3.65E-05	1.25E-04	5.67E-06	2.03E-05	3.06E-06	9.44E-06
4552	438218.9	3762230	3.71E-05	1.26E-04	5.76E-06	2.06E-05	3.10E-06	9.58E-06
4553	438222.7	3762239	3.76E-05	1.28E-04	5.84E-06	2.10E-05	3.15E-06	9.72E-06
4554	438226.4	3762248	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.19E-06	9.86E-06
4555	438230.2	3762258	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
4556	438234	3762267	3.93E-05	1.34E-04	6.11E-06	2.19E-05	3.29E-06	1.02E-05
4557	438237.7	3762276	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
4558	438241.5	3762285	4.05E-05	1.38E-04	6.30E-06	2.26E-05	3.39E-06	1.05E-05
4559	438245.3	3762294	4.11E-05	1.40E-04	6.39E-06	2.29E-05	3.44E-06	1.06E-05
4560	438249	3762303	4.18E-05	1.42E-04	6.49E-06	2.33E-05	3.50E-06	1.08E-05
4561	438252.8	3762312	4.24E-05	1.45E-04	6.60E-06	2.36E-05	3.55E-06	1.10E-05
4562	438256.6	3762321	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
4563	438260.3	3762330	4.38E-05	1.49E-04	6.81E-06	2.44E-05	3.67E-06	1.13E-05
4564	438264.1	3762339	4.45E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
4565	438267.9	3762348	4.53E-05	1.54E-04	7.04E-06	2.52E-05	3.79E-06	1.17E-05
4566	438271.6	3762357	4.60E-05	1.57E-04	7.15E-06	2.56E-05	3.85E-06	1.19E-05
4567	438275.4	3762366	4.68E-05	1.60E-04	7.28E-06	2.61E-05	3.92E-06	1.21E-05
4568	438279.2	3762375	4.77E-05	1.62E-04	7.40E-06	2.65E-05	3.99E-06	1.23E-05
4569	438282.9	3762384	4.85E-05	1.65E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
4570	438286.7	3762394	4.94E-05	1.68E-04	7.67E-06	2.75E-05	4.13E-06	1.28E-05
4571	438290.5	3762403	5.03E-05	1.71E-04	7.81E-06	2.80E-05	4.21E-06	1.30E-05
4572	438294.2	3762412	5.12E-05	1.75E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05

4573	438298	3762421	5.21E-05	1.78E-04	8.10E-06	2.90E-05	4.36E-06	1.35E-05
4574	438301.8	3762430	5.31E-05	1.81E-04	8.25E-06	2.96E-05	4.44E-06	1.37E-05
4575	438313.1	3762457	5.62E-05	1.92E-04	8.73E-06	3.13E-05	4.70E-06	1.45E-05
4576	438316.8	3762466	5.72E-05	1.95E-04	8.89E-06	3.19E-05	4.79E-06	1.48E-05
4577	438320.6	3762475	5.83E-05	1.99E-04	9.06E-06	3.25E-05	4.88E-06	1.51E-05
4578	438324.4	3762484	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.54E-05
4579	438328.1	3762493	6.05E-05	2.06E-04	9.41E-06	3.37E-05	5.07E-06	1.56E-05
4580	438331.9	3762502	6.17E-05	2.10E-04	9.58E-06	3.44E-05	5.16E-06	1.59E-05
4581	438343.2	3762530	6.52E-05	2.22E-04	1.01E-05	3.63E-05	5.46E-06	1.68E-05
4582	438347	3762539	6.64E-05	2.26E-04	1.03E-05	3.70E-05	5.55E-06	1.71E-05
4583	438350.7	3762548	6.76E-05	2.30E-04	1.05E-05	3.76E-05	5.65E-06	1.75E-05
4584	438388.4	3762638	7.95E-05	2.71E-04	1.24E-05	4.43E-05	6.66E-06	2.05E-05
4585	438392.2	3762647	8.07E-05	2.75E-04	1.25E-05	4.49E-05	6.75E-06	2.08E-05
4586	438395.9	3762657	8.18E-05	2.79E-04	1.27E-05	4.56E-05	6.85E-06	2.11E-05
4587	438399.7	3762666	8.29E-05	2.83E-04	1.29E-05	4.62E-05	6.94E-06	2.14E-05
4588	438156.7	3761984	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
4589	438160.5	3761993	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
4590	438164.3	3762003	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
4591	438175.6	3762030	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
4592	438179.4	3762039	2.66E-05	9.05E-05	4.13E-06	1.48E-05	2.22E-06	6.86E-06
4593	438205.8	3762102	2.93E-05	1.00E-04	4.56E-06	1.63E-05	2.45E-06	7.58E-06
4594	438209.6	3762112	2.97E-05	1.01E-04	4.62E-06	1.66E-05	2.49E-06	7.69E-06
4595	438213.3	3762121	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.52E-06	7.79E-06
4596	438217.1	3762130	3.06E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.90E-06
4597	438220.9	3762139	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.59E-06	8.01E-06
4598	438224.7	3762148	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
4599	438228.4	3762157	3.19E-05	1.09E-04	4.95E-06	1.77E-05	2.67E-06	8.23E-06
4600	438232.2	3762166	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.70E-06	8.35E-06
4601	438236	3762175	3.27E-05	1.12E-04	5.09E-06	1.82E-05	2.74E-06	8.46E-06
4602	438239.7	3762184	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.58E-06
4603	438243.5	3762193	3.37E-05	1.15E-04	5.23E-06	1.87E-05	2.82E-06	8.70E-06
4604	438247.3	3762202	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.86E-06	8.82E-06
4605	438251.1	3762211	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.94E-06
4606	438254.8	3762221	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.94E-06	9.07E-06
4607	438258.6	3762230	3.56E-05	1.21E-04	5.53E-06	1.98E-05	2.98E-06	9.19E-06
4608	438262.4	3762239	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.32E-06
4609	438266.1	3762248	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.06E-06	9.45E-06
4610	438269.9	3762257	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
4611	438273.7	3762266	3.76E-05	1.28E-04	5.85E-06	2.10E-05	3.15E-06	9.73E-06
4612	438277.5	3762275	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.20E-06	9.87E-06
4613	438281.2	3762284	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
4614	438285	3762293	3.93E-05	1.34E-04	6.11E-06	2.19E-05	3.29E-06	1.02E-05
4615	438288.8	3762302	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
4616	438292.6	3762311	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
4617	438296.3	3762320	4.11E-05	1.40E-04	6.39E-06	2.29E-05	3.44E-06	1.06E-05
4618	438300.1	3762330	4.18E-05	1.42E-04	6.49E-06	2.33E-05	3.50E-06	1.08E-05
4619	438303.9	3762339	4.24E-05	1.45E-04	6.60E-06	2.36E-05	3.55E-06	1.10E-05
4620	438307.6	3762348	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
4621	438311.4	3762357	4.38E-05	1.50E-04	6.81E-06	2.44E-05	3.67E-06	1.13E-05
4622	438326.5	3762393	4.69E-05	1.60E-04	7.29E-06	2.61E-05	3.93E-06	1.21E-05
4623	438330.3	3762402	4.77E-05	1.63E-04	7.42E-06	2.66E-05	3.99E-06	1.23E-05
4624	438334.1	3762411	4.86E-05	1.66E-04	7.55E-06	2.71E-05	4.07E-06	1.26E-05

4625	438337.8	3762420	4.94E-05	1.69E-04	7.68E-06	2.75E-05	4.14E-06	1.28E-05
4626	438341.6	3762429	5.03E-05	1.72E-04	7.82E-06	2.80E-05	4.21E-06	1.30E-05
4627	438352.9	3762457	5.31E-05	1.81E-04	8.25E-06	2.96E-05	4.44E-06	1.37E-05
4628	438390.6	3762547	6.33E-05	2.16E-04	9.84E-06	3.53E-05	5.30E-06	1.64E-05
4629	438394.4	3762557	6.44E-05	2.20E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4630	438398.2	3762566	6.55E-05	2.23E-04	1.02E-05	3.65E-05	5.48E-06	1.69E-05
4631	438402	3762575	6.65E-05	2.27E-04	1.03E-05	3.71E-05	5.57E-06	1.72E-05
4632	438405.7	3762584	6.76E-05	2.30E-04	1.05E-05	3.76E-05	5.66E-06	1.75E-05
4633	438409.5	3762593	6.86E-05	2.34E-04	1.07E-05	3.82E-05	5.74E-06	1.77E-05
4634	438413.3	3762602	6.97E-05	2.38E-04	1.08E-05	3.88E-05	5.83E-06	1.80E-05
4635	438417	3762611	7.07E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
4636	438420.8	3762620	7.18E-05	2.45E-04	1.12E-05	4.00E-05	6.01E-06	1.85E-05
4637	438424.6	3762629	7.28E-05	2.48E-04	1.13E-05	4.06E-05	6.09E-06	1.88E-05
4638	438428.4	3762638	7.38E-05	2.52E-04	1.15E-05	4.11E-05	6.18E-06	1.91E-05
4639	438432.1	3762647	7.48E-05	2.55E-04	1.16E-05	4.17E-05	6.26E-06	1.93E-05
4640	438435.9	3762656	7.58E-05	2.58E-04	1.18E-05	4.22E-05	6.34E-06	1.96E-05
4641	438439.7	3762666	7.68E-05	2.62E-04	1.19E-05	4.28E-05	6.42E-06	1.98E-05
4642	437384	3762675	1.24E-03	4.22E-03	1.92E-04	6.89E-04	1.03E-04	3.19E-04
4643	437384	3762691	1.73E-03	5.90E-03	2.69E-04	9.64E-04	1.45E-04	4.47E-04
4644	437376.9	3762668	1.03E-03	3.50E-03	1.60E-04	5.72E-04	8.60E-05	2.65E-04
4645	437374	3762683	1.32E-03	4.50E-03	2.05E-04	7.36E-04	1.11E-04	3.41E-04
4646	437366.9	3762668	9.48E-04	3.23E-03	1.47E-04	5.28E-04	7.93E-05	2.45E-04
4647	437379.8	3762651	7.98E-04	2.72E-03	1.24E-04	4.44E-04	6.68E-05	2.06E-04
4648	437364	3762683	1.19E-03	4.07E-03	1.85E-04	6.65E-04	9.98E-05	3.08E-04
4649	437356.9	3762668	8.71E-04	2.97E-03	1.35E-04	4.85E-04	7.29E-05	2.25E-04
4650	437362.7	3762654	7.42E-04	2.53E-03	1.15E-04	4.13E-04	6.21E-05	1.92E-04
4651	437372.7	3762644	6.89E-04	2.35E-03	1.07E-04	3.84E-04	5.77E-05	1.78E-04
4652	437354	3762683	1.07E-03	3.66E-03	1.67E-04	5.98E-04	8.98E-05	2.77E-04
4653	437354	3762699	1.42E-03	4.83E-03	2.20E-04	7.89E-04	1.19E-04	3.66E-04
4654	437346.9	3762668	7.99E-04	2.72E-03	1.24E-04	4.45E-04	6.69E-05	2.06E-04
4655	437352.7	3762654	6.91E-04	2.36E-03	1.07E-04	3.85E-04	5.78E-05	1.79E-04
4656	437365.6	3762637	6.02E-04	2.05E-03	9.35E-05	3.35E-04	5.04E-05	1.55E-04
4657	437379.7	3762631	6.02E-04	2.05E-03	9.36E-05	3.36E-04	5.04E-05	1.56E-04
4658	437344	3762683	9.64E-04	3.29E-03	1.50E-04	5.37E-04	8.07E-05	2.49E-04
4659	437344	3762699	1.23E-03	4.20E-03	1.91E-04	6.86E-04	1.03E-04	3.18E-04
4660	437336.9	3762668	7.32E-04	2.50E-03	1.14E-04	4.08E-04	6.12E-05	1.89E-04
4661	437342.7	3762654	6.43E-04	2.19E-03	9.98E-05	3.58E-04	5.38E-05	1.66E-04
4662	437348.6	3762640	5.63E-04	1.92E-03	8.75E-05	3.14E-04	4.72E-05	1.46E-04
4663	437358.5	3762630	5.30E-04	1.81E-03	8.24E-05	2.95E-04	4.44E-05	1.37E-04
4664	437372.6	3762624	5.31E-04	1.81E-03	8.26E-05	2.96E-04	4.45E-05	1.37E-04
4665	437334	3762683	8.64E-04	2.95E-03	1.34E-04	4.81E-04	7.23E-05	2.23E-04
4666	437326.9	3762668	6.69E-04	2.28E-03	1.04E-04	3.73E-04	5.60E-05	1.73E-04
4667	437332.7	3762654	5.96E-04	2.03E-03	9.27E-05	3.32E-04	4.99E-05	1.54E-04
4668	437338.6	3762640	5.29E-04	1.80E-03	8.22E-05	2.95E-04	4.43E-05	1.37E-04
4669	437351.4	3762623	4.71E-04	1.61E-03	7.32E-05	2.62E-04	3.94E-05	1.22E-04
4670	437365.5	3762617	4.73E-04	1.61E-03	7.34E-05	2.63E-04	3.96E-05	1.22E-04
4671	437379.6	3762611	4.70E-04	1.60E-03	7.31E-05	2.62E-04	3.94E-05	1.22E-04
4672	437324	3762683	7.75E-04	2.64E-03	1.20E-04	4.32E-04	6.49E-05	2.00E-04
4673	437316.9	3762668	6.12E-04	2.09E-03	9.51E-05	3.41E-04	5.13E-05	1.58E-04
4674	437322.7	3762654	5.53E-04	1.89E-03	8.59E-05	3.08E-04	4.63E-05	1.43E-04
4675	437328.6	3762640	4.96E-04	1.69E-03	7.71E-05	2.76E-04	4.15E-05	1.28E-04
4676	437334.4	3762625	4.43E-04	1.51E-03	6.89E-05	2.47E-04	3.71E-05	1.15E-04

4677	437344.4	3762615	4.21E-04	1.44E-03	6.54E-05	2.35E-04	3.52E-05	1.09E-04
4678	437358.4	3762610	4.23E-04	1.44E-03	6.57E-05	2.36E-04	3.54E-05	1.09E-04
4679	437372.5	3762604	4.22E-04	1.44E-03	6.55E-05	2.35E-04	3.53E-05	1.09E-04
4680	437314	3762683	6.98E-04	2.38E-03	1.08E-04	3.89E-04	5.84E-05	1.80E-04
4681	437306.9	3762668	5.61E-04	1.91E-03	8.71E-05	3.12E-04	4.69E-05	1.45E-04
4682	437312.7	3762654	5.12E-04	1.75E-03	7.96E-05	2.85E-04	4.29E-05	1.32E-04
4683	437318.6	3762640	4.65E-04	1.58E-03	7.22E-05	2.59E-04	3.89E-05	1.20E-04
4684	437324.4	3762625	4.19E-04	1.43E-03	6.51E-05	2.33E-04	3.51E-05	1.08E-04
4685	437337.3	3762608	3.79E-04	1.29E-03	5.89E-05	2.11E-04	3.17E-05	9.79E-05
4686	437351.4	3762603	3.81E-04	1.30E-03	5.92E-05	2.12E-04	3.19E-05	9.84E-05
4687	437365.5	3762597	3.80E-04	1.30E-03	5.91E-05	2.12E-04	3.18E-05	9.82E-05
4688	437379.5	3762591	3.77E-04	1.28E-03	5.85E-05	2.10E-04	3.15E-05	9.73E-05
4689	437304	3762683	6.31E-04	2.15E-03	9.80E-05	3.51E-04	5.28E-05	1.63E-04
4690	437296.9	3762668	5.14E-04	1.75E-03	7.99E-05	2.86E-04	4.30E-05	1.33E-04
4691	437302.7	3762654	4.75E-04	1.62E-03	7.37E-05	2.64E-04	3.97E-05	1.23E-04
4692	437308.6	3762640	4.35E-04	1.48E-03	6.75E-05	2.42E-04	3.64E-05	1.12E-04
4693	437314.4	3762625	3.95E-04	1.35E-03	6.14E-05	2.20E-04	3.31E-05	1.02E-04
4694	437320.2	3762611	3.58E-04	1.22E-03	5.57E-05	2.00E-04	3.00E-05	9.26E-05
4695	437330.2	3762601	3.43E-04	1.17E-03	5.32E-05	1.91E-04	2.87E-05	8.85E-05
4696	437344.3	3762595	3.45E-04	1.18E-03	5.36E-05	1.92E-04	2.89E-05	8.91E-05
4697	437358.4	3762590	3.44E-04	1.17E-03	5.35E-05	1.92E-04	2.88E-05	8.90E-05
4698	437372.5	3762584	3.42E-04	1.17E-03	5.31E-05	1.90E-04	2.86E-05	8.83E-05
4699	437294	3762683	5.72E-04	1.95E-03	8.89E-05	3.19E-04	4.79E-05	1.48E-04
4700	437276.9	3762668	4.35E-04	1.48E-03	6.75E-05	2.42E-04	3.64E-05	1.12E-04
4701	437282.7	3762654	4.07E-04	1.39E-03	6.33E-05	2.27E-04	3.41E-05	1.05E-04
4702	437288.6	3762640	3.79E-04	1.29E-03	5.89E-05	2.11E-04	3.17E-05	9.80E-05
4703	437294.4	3762625	3.51E-04	1.20E-03	5.45E-05	1.95E-04	2.94E-05	9.07E-05
4704	437300.2	3762611	3.23E-04	1.10E-03	5.01E-05	1.80E-04	2.70E-05	8.34E-05
4705	437306.1	3762597	2.96E-04	1.01E-03	4.59E-05	1.65E-04	2.47E-05	7.64E-05
4706	437316	3762587	2.84E-04	9.70E-04	4.42E-05	1.58E-04	2.38E-05	7.35E-05
4707	437330.1	3762581	2.86E-04	9.76E-04	4.45E-05	1.59E-04	2.40E-05	7.40E-05
4708	437344.2	3762575	2.86E-04	9.76E-04	4.45E-05	1.60E-04	2.40E-05	7.40E-05
4709	437358.3	3762570	2.85E-04	9.71E-04	4.42E-05	1.59E-04	2.38E-05	7.36E-05
4710	437372.4	3762564	2.82E-04	9.61E-04	4.38E-05	1.57E-04	2.36E-05	7.28E-05
4711	437274	3762683	4.76E-04	1.62E-03	7.39E-05	2.65E-04	3.98E-05	1.23E-04
4712	437256.9	3762668	3.71E-04	1.27E-03	5.77E-05	2.07E-04	3.11E-05	9.59E-05
4713	437262.7	3762654	3.52E-04	1.20E-03	5.47E-05	1.96E-04	2.94E-05	9.09E-05
4714	437268.6	3762640	3.32E-04	1.13E-03	5.15E-05	1.85E-04	2.78E-05	8.57E-05
4715	437274.4	3762625	3.11E-04	1.06E-03	4.83E-05	1.73E-04	2.60E-05	8.03E-05
4716	437280.2	3762611	2.89E-04	9.87E-04	4.50E-05	1.61E-04	2.42E-05	7.48E-05
4717	437301.8	3762573	2.40E-04	8.18E-04	3.73E-05	1.34E-04	2.01E-05	6.20E-05
4718	437315.9	3762567	2.42E-04	8.24E-04	3.76E-05	1.35E-04	2.02E-05	6.25E-05
4719	437330	3762561	2.42E-04	8.25E-04	3.76E-05	1.35E-04	2.03E-05	6.25E-05
4720	437344.1	3762555	2.41E-04	8.22E-04	3.74E-05	1.34E-04	2.02E-05	6.23E-05
4721	437358.2	3762550	2.39E-04	8.14E-04	3.71E-05	1.33E-04	2.00E-05	6.17E-05
4722	437372.3	3762544	2.36E-04	8.04E-04	3.66E-05	1.31E-04	1.97E-05	6.09E-05
4723	437254	3762683	4.01E-04	1.37E-03	6.23E-05	2.23E-04	3.35E-05	1.04E-04
4724	437236.9	3762668	3.22E-04	1.10E-03	5.00E-05	1.79E-04	2.69E-05	8.31E-05
4725	437242.7	3762654	3.07E-04	1.05E-03	4.77E-05	1.71E-04	2.57E-05	7.93E-05
4726	437248.6	3762640	2.91E-04	9.93E-04	4.53E-05	1.62E-04	2.44E-05	7.53E-05
4727	437254.4	3762625	2.76E-04	9.40E-04	4.28E-05	1.54E-04	2.31E-05	7.12E-05
4728	437260.2	3762611	2.60E-04	8.85E-04	4.03E-05	1.45E-04	2.17E-05	6.71E-05

4729	437287.7	3762559	2.05E-04	6.99E-04	3.18E-05	1.14E-04	1.71E-05	5.29E-05
4730	437301.8	3762553	2.07E-04	7.04E-04	3.21E-05	1.15E-04	1.73E-05	5.34E-05
4731	437315.9	3762547	2.07E-04	7.06E-04	3.22E-05	1.15E-04	1.73E-05	5.35E-05
4732	437330	3762541	2.06E-04	7.04E-04	3.21E-05	1.15E-04	1.73E-05	5.34E-05
4733	437344	3762535	2.05E-04	6.99E-04	3.18E-05	1.14E-04	1.72E-05	5.30E-05
4734	437358.1	3762530	2.03E-04	6.91E-04	3.15E-05	1.13E-04	1.70E-05	5.23E-05
4735	437372.2	3762524	1.99E-04	6.80E-04	3.10E-05	1.11E-04	1.67E-05	5.15E-05
4736	437234	3762683	3.44E-04	1.17E-03	5.35E-05	1.92E-04	2.88E-05	8.89E-05
4737	437216.9	3762668	2.81E-04	9.57E-04	4.36E-05	1.56E-04	2.35E-05	7.25E-05
4738	437222.7	3762654	2.70E-04	9.20E-04	4.19E-05	1.50E-04	2.26E-05	6.97E-05
4739	437228.6	3762640	2.58E-04	8.80E-04	4.01E-05	1.44E-04	2.16E-05	6.67E-05
4740	437234.4	3762625	2.46E-04	8.38E-04	3.82E-05	1.37E-04	2.06E-05	6.35E-05
4741	437240.2	3762611	2.33E-04	7.95E-04	3.62E-05	1.30E-04	1.95E-05	6.03E-05
4742	437287.6	3762539	1.79E-04	6.09E-04	2.77E-05	9.95E-05	1.49E-05	4.61E-05
4743	437301.7	3762533	1.79E-04	6.11E-04	2.78E-05	9.98E-05	1.50E-05	4.63E-05
4744	437315.8	3762527	1.79E-04	6.10E-04	2.78E-05	9.96E-05	1.50E-05	4.62E-05
4745	437329.9	3762521	1.78E-04	6.06E-04	2.76E-05	9.90E-05	1.49E-05	4.59E-05
4746	437344	3762515	1.76E-04	6.00E-04	2.73E-05	9.80E-05	1.47E-05	4.54E-05
4747	437358.1	3762510	1.73E-04	5.91E-04	2.70E-05	9.66E-05	1.45E-05	4.48E-05
4748	437372.2	3762504	1.71E-04	5.82E-04	2.65E-05	9.51E-05	1.43E-05	4.41E-05
4749	437214	3762683	2.97E-04	1.01E-03	4.62E-05	1.66E-04	2.49E-05	7.68E-05
4750	437196.9	3762668	2.46E-04	8.39E-04	3.82E-05	1.37E-04	2.06E-05	6.36E-05
4751	437202.7	3762654	2.38E-04	8.12E-04	3.70E-05	1.33E-04	1.99E-05	6.15E-05
4752	437208.6	3762640	2.29E-04	7.82E-04	3.56E-05	1.28E-04	1.92E-05	5.92E-05
4753	437214.4	3762625	2.20E-04	7.49E-04	3.41E-05	1.22E-04	1.84E-05	5.68E-05
4754	437220.2	3762611	2.10E-04	7.16E-04	3.26E-05	1.17E-04	1.76E-05	5.43E-05
4755	437259.3	3762531	1.55E-04	5.27E-04	2.40E-05	8.61E-05	1.29E-05	4.00E-05
4756	437273.4	3762525	1.56E-04	5.32E-04	2.42E-05	8.69E-05	1.31E-05	4.03E-05
4757	437287.5	3762519	1.57E-04	5.34E-04	2.43E-05	8.72E-05	1.31E-05	4.04E-05
4758	437301.6	3762513	1.56E-04	5.33E-04	2.43E-05	8.71E-05	1.31E-05	4.04E-05
4759	437315.7	3762507	1.55E-04	5.30E-04	2.42E-05	8.66E-05	1.30E-05	4.02E-05
4760	437329.8	3762501	1.54E-04	5.26E-04	2.40E-05	8.59E-05	1.29E-05	3.98E-05
4761	437343.9	3762495	1.52E-04	5.19E-04	2.37E-05	8.49E-05	1.28E-05	3.94E-05
4762	437358	3762490	1.50E-04	5.12E-04	2.33E-05	8.36E-05	1.26E-05	3.88E-05
4763	437372.1	3762484	1.48E-04	5.03E-04	2.29E-05	8.22E-05	1.24E-05	3.81E-05
4764	437194	3762683	2.59E-04	8.82E-04	4.02E-05	1.44E-04	2.16E-05	6.68E-05
4765	437200.2	3762611	1.89E-04	6.46E-04	2.94E-05	1.05E-04	1.58E-05	4.89E-05
4766	437229.4	3762541	1.48E-04	5.05E-04	2.30E-05	8.24E-05	1.24E-05	3.82E-05
4767	437235.2	3762527	1.40E-04	4.76E-04	2.17E-05	7.78E-05	1.17E-05	3.61E-05
4768	437245.2	3762517	1.36E-04	4.65E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
4769	437259.3	3762511	1.37E-04	4.68E-04	2.13E-05	7.65E-05	1.15E-05	3.55E-05
4770	437273.4	3762505	1.38E-04	4.70E-04	2.14E-05	7.69E-05	1.15E-05	3.56E-05
4771	437287.4	3762499	1.38E-04	4.70E-04	2.14E-05	7.68E-05	1.15E-05	3.56E-05
4772	437301.5	3762493	1.37E-04	4.68E-04	2.13E-05	7.65E-05	1.15E-05	3.55E-05
4773	437315.6	3762487	1.36E-04	4.65E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
4774	437329.7	3762481	1.35E-04	4.60E-04	2.09E-05	7.51E-05	1.13E-05	3.48E-05
4775	437343.8	3762475	1.33E-04	4.53E-04	2.07E-05	7.41E-05	1.11E-05	3.44E-05
4776	437357.9	3762470	1.31E-04	4.46E-04	2.03E-05	7.29E-05	1.10E-05	3.38E-05
4777	437372	3762464	1.29E-04	4.39E-04	2.00E-05	7.17E-05	1.08E-05	3.32E-05
4778	437209.4	3762541	1.38E-04	4.69E-04	2.14E-05	7.67E-05	1.15E-05	3.56E-05
4779	437215.2	3762527	1.31E-04	4.46E-04	2.03E-05	7.28E-05	1.09E-05	3.38E-05
4780	437221	3762513	1.24E-04	4.22E-04	1.92E-05	6.89E-05	1.04E-05	3.20E-05

4781	437231	3762503	1.21E-04	4.13E-04	1.88E-05	6.74E-05	1.01E-05	3.13E-05
4782	437245.1	3762497	1.22E-04	4.16E-04	1.89E-05	6.79E-05	1.02E-05	3.15E-05
4783	437259.2	3762491	1.22E-04	4.18E-04	1.90E-05	6.82E-05	1.03E-05	3.16E-05
4784	437273.3	3762485	1.23E-04	4.18E-04	1.90E-05	6.83E-05	1.03E-05	3.17E-05
4785	437287.4	3762479	1.22E-04	4.16E-04	1.90E-05	6.80E-05	1.02E-05	3.16E-05
4786	437301.5	3762473	1.21E-04	4.14E-04	1.88E-05	6.76E-05	1.02E-05	3.13E-05
4787	437315.6	3762467	1.20E-04	4.09E-04	1.87E-05	6.69E-05	1.01E-05	3.10E-05
4788	437329.6	3762461	1.19E-04	4.04E-04	1.84E-05	6.61E-05	9.93E-06	3.06E-05
4789	437343.7	3762455	1.17E-04	3.99E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
4790	437357.8	3762450	1.15E-04	3.92E-04	1.79E-05	6.40E-05	9.62E-06	2.97E-05
4791	437371.9	3762444	1.13E-04	3.85E-04	1.76E-05	6.29E-05	9.46E-06	2.92E-05
4792	437137	3762668	1.72E-04	5.85E-04	2.67E-05	9.56E-05	1.44E-05	4.43E-05
4793	437143.1	3762653	1.68E-04	5.73E-04	2.61E-05	9.35E-05	1.41E-05	4.34E-05
4794	437191.6	3762535	1.26E-04	4.28E-04	1.95E-05	7.00E-05	1.05E-05	3.24E-05
4795	437197.7	3762521	1.20E-04	4.08E-04	1.86E-05	6.66E-05	1.00E-05	3.09E-05
4796	437203.7	3762506	1.13E-04	3.87E-04	1.76E-05	6.32E-05	9.50E-06	2.93E-05
4797	437217.1	3762488	1.08E-04	3.69E-04	1.68E-05	6.02E-05	9.05E-06	2.79E-05
4798	437231.8	3762482	1.09E-04	3.72E-04	1.69E-05	6.07E-05	9.12E-06	2.82E-05
4799	437246.4	3762476	1.09E-04	3.73E-04	1.70E-05	6.10E-05	9.16E-06	2.83E-05
4800	437261.1	3762470	1.10E-04	3.74E-04	1.70E-05	6.10E-05	9.17E-06	2.83E-05
4801	437275.7	3762464	1.09E-04	3.72E-04	1.70E-05	6.08E-05	9.14E-06	2.82E-05
4802	437290.4	3762458	1.08E-04	3.70E-04	1.69E-05	6.04E-05	9.08E-06	2.80E-05
4803	437305	3762452	1.07E-04	3.66E-04	1.67E-05	5.98E-05	8.99E-06	2.77E-05
4804	437319.7	3762445	1.06E-04	3.62E-04	1.65E-05	5.91E-05	8.87E-06	2.74E-05
4805	437334.4	3762439	1.04E-04	3.56E-04	1.62E-05	5.82E-05	8.74E-06	2.70E-05
4806	437349	3762433	1.03E-04	3.50E-04	1.60E-05	5.72E-05	8.60E-06	2.66E-05
4807	437363.7	3762427	1.01E-04	3.44E-04	1.57E-05	5.63E-05	8.45E-06	2.61E-05
4808	437378.3	3762421	9.92E-05	3.38E-04	1.54E-05	5.52E-05	8.30E-06	2.56E-05
4809	437134	3762683	1.78E-04	6.07E-04	2.76E-05	9.91E-05	1.49E-05	4.60E-05
4810	437134	3762699	1.87E-04	6.38E-04	2.91E-05	1.04E-04	1.57E-05	4.83E-05
4811	437117	3762668	1.54E-04	5.25E-04	2.39E-05	8.58E-05	1.29E-05	3.98E-05
4812	437123.1	3762653	1.51E-04	5.16E-04	2.35E-05	8.42E-05	1.27E-05	3.91E-05
4813	437129.1	3762638	1.48E-04	5.04E-04	2.29E-05	8.23E-05	1.24E-05	3.82E-05
4814	437135.1	3762624	1.44E-04	4.91E-04	2.24E-05	8.02E-05	1.20E-05	3.72E-05
4815	437141.2	3762609	1.40E-04	4.77E-04	2.17E-05	7.79E-05	1.17E-05	3.62E-05
4816	437147.2	3762594	1.36E-04	4.63E-04	2.11E-05	7.56E-05	1.14E-05	3.51E-05
4817	437189.6	3762492	1.02E-04	3.47E-04	1.58E-05	5.66E-05	8.51E-06	2.63E-05
4818	437202.9	3762474	9.72E-05	3.31E-04	1.51E-05	5.41E-05	8.13E-06	2.51E-05
4819	437217.5	3762468	9.79E-05	3.34E-04	1.52E-05	5.46E-05	8.20E-06	2.53E-05
4820	437232.2	3762462	9.84E-05	3.35E-04	1.53E-05	5.48E-05	8.23E-06	2.54E-05
4821	437246.8	3762456	9.84E-05	3.36E-04	1.53E-05	5.48E-05	8.24E-06	2.54E-05
4822	437261.4	3762450	9.83E-05	3.35E-04	1.53E-05	5.47E-05	8.22E-06	2.54E-05
4823	437276	3762444	9.78E-05	3.33E-04	1.52E-05	5.45E-05	8.18E-06	2.53E-05
4824	437290.6	3762438	9.69E-05	3.30E-04	1.51E-05	5.40E-05	8.11E-06	2.50E-05
4825	437305.2	3762431	9.58E-05	3.27E-04	1.49E-05	5.33E-05	8.02E-06	2.47E-05
4826	437319.8	3762425	9.45E-05	3.22E-04	1.47E-05	5.26E-05	7.91E-06	2.44E-05
4827	437334.5	3762419	9.30E-05	3.17E-04	1.45E-05	5.18E-05	7.78E-06	2.40E-05
4828	437349.1	3762413	9.15E-05	3.12E-04	1.42E-05	5.09E-05	7.66E-06	2.36E-05
4829	437363.7	3762407	8.99E-05	3.06E-04	1.40E-05	5.01E-05	7.52E-06	2.32E-05
4830	437378.3	3762401	8.83E-05	3.01E-04	1.37E-05	4.92E-05	7.39E-06	2.28E-05
4831	437114	3762683	1.59E-04	5.43E-04	2.47E-05	8.87E-05	1.33E-05	4.11E-05
4832	437114	3762699	1.67E-04	5.68E-04	2.59E-05	9.28E-05	1.39E-05	4.31E-05

4833	437097	3762668	1.39E-04	4.74E-04	2.16E-05	7.75E-05	1.16E-05	3.59E-05
4834	437103	3762653	1.37E-04	4.66E-04	2.13E-05	7.62E-05	1.15E-05	3.53E-05
4835	437109.1	3762638	1.34E-04	4.57E-04	2.08E-05	7.47E-05	1.12E-05	3.46E-05
4836	437115.1	3762624	1.31E-04	4.47E-04	2.03E-05	7.30E-05	1.10E-05	3.38E-05
4837	437121.1	3762609	1.28E-04	4.35E-04	1.98E-05	7.11E-05	1.07E-05	3.30E-05
4838	437127.2	3762595	1.24E-04	4.23E-04	1.93E-05	6.92E-05	1.04E-05	3.21E-05
4839	437133.2	3762580	1.21E-04	4.11E-04	1.87E-05	6.72E-05	1.01E-05	3.12E-05
4840	437139.2	3762565	1.17E-04	3.98E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
4841	437145.3	3762551	1.13E-04	3.85E-04	1.75E-05	6.29E-05	9.45E-06	2.92E-05
4842	437188.7	3762460	8.79E-05	3.00E-04	1.37E-05	4.90E-05	7.36E-06	2.27E-05
4843	437203.3	3762454	8.86E-05	3.02E-04	1.38E-05	4.93E-05	7.41E-06	2.29E-05
4844	437217.9	3762448	8.90E-05	3.03E-04	1.38E-05	4.96E-05	7.45E-06	2.30E-05
4845	437232.5	3762442	8.91E-05	3.04E-04	1.38E-05	4.96E-05	7.46E-06	2.30E-05
4846	437247	3762436	8.89E-05	3.03E-04	1.38E-05	4.95E-05	7.44E-06	2.30E-05
4847	437261.6	3762430	8.85E-05	3.02E-04	1.38E-05	4.93E-05	7.41E-06	2.29E-05
4848	437276.2	3762424	8.79E-05	3.00E-04	1.37E-05	4.89E-05	7.35E-06	2.27E-05
4849	437290.8	3762417	8.69E-05	2.96E-04	1.35E-05	4.84E-05	7.28E-06	2.25E-05
4850	437305.4	3762411	8.58E-05	2.93E-04	1.33E-05	4.78E-05	7.18E-06	2.22E-05
4851	437319.9	3762405	8.46E-05	2.88E-04	1.31E-05	4.71E-05	7.08E-06	2.19E-05
4852	437334.5	3762399	8.32E-05	2.84E-04	1.29E-05	4.64E-05	6.97E-06	2.15E-05
4853	437349.1	3762393	8.18E-05	2.79E-04	1.27E-05	4.56E-05	6.85E-06	2.11E-05
4854	437363.7	3762387	8.05E-05	2.74E-04	1.25E-05	4.48E-05	6.74E-06	2.08E-05
4855	437378.3	3762381	7.91E-05	2.70E-04	1.23E-05	4.41E-05	6.62E-06	2.04E-05
4856	437094	3762683	1.43E-04	4.88E-04	2.22E-05	7.97E-05	1.20E-05	3.70E-05
4857	437094	3762699	1.49E-04	5.09E-04	2.32E-05	8.32E-05	1.25E-05	3.86E-05
4858	437067	3762668	1.20E-04	4.10E-04	1.87E-05	6.69E-05	1.01E-05	3.10E-05
4859	437073	3762653	1.19E-04	4.04E-04	1.84E-05	6.60E-05	9.92E-06	3.06E-05
4860	437079	3762638	1.17E-04	3.98E-04	1.81E-05	6.50E-05	9.76E-06	3.01E-05
4861	437085	3762624	1.14E-04	3.90E-04	1.78E-05	6.37E-05	9.57E-06	2.96E-05
4862	437091	3762609	1.12E-04	3.82E-04	1.74E-05	6.24E-05	9.37E-06	2.89E-05
4863	437097.1	3762595	1.09E-04	3.73E-04	1.70E-05	6.09E-05	9.15E-06	2.82E-05
4864	437103.1	3762580	1.06E-04	3.63E-04	1.65E-05	5.93E-05	8.91E-06	2.75E-05
4865	437109.1	3762566	1.04E-04	3.53E-04	1.61E-05	5.77E-05	8.66E-06	2.67E-05
4866	437115.1	3762551	1.01E-04	3.43E-04	1.56E-05	5.60E-05	8.42E-06	2.60E-05
4867	437121.1	3762537	9.75E-05	3.32E-04	1.51E-05	5.43E-05	8.16E-06	2.52E-05
4868	437127.1	3762522	9.43E-05	3.22E-04	1.47E-05	5.25E-05	7.89E-06	2.44E-05
4869	437133.1	3762507	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
4870	437139.1	3762493	8.76E-05	2.99E-04	1.36E-05	4.88E-05	7.34E-06	2.26E-05
4871	437182	3762433	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.44E-06	1.99E-05
4872	437196.5	3762427	7.74E-05	2.64E-04	1.20E-05	4.31E-05	6.47E-06	2.00E-05
4873	437211.1	3762421	7.75E-05	2.64E-04	1.20E-05	4.32E-05	6.49E-06	2.00E-05
4874	437225.6	3762415	7.74E-05	2.64E-04	1.20E-05	4.31E-05	6.48E-06	2.00E-05
4875	437240.1	3762409	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.45E-06	1.99E-05
4876	437254.7	3762403	7.65E-05	2.61E-04	1.19E-05	4.26E-05	6.40E-06	1.98E-05
4877	437269.2	3762396	7.58E-05	2.59E-04	1.18E-05	4.22E-05	6.35E-06	1.96E-05
4878	437283.7	3762390	7.50E-05	2.56E-04	1.16E-05	4.18E-05	6.27E-06	1.94E-05
4879	437298.3	3762384	7.40E-05	2.52E-04	1.15E-05	4.12E-05	6.19E-06	1.91E-05
4880	437312.8	3762378	7.29E-05	2.49E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
4881	437327.3	3762372	7.17E-05	2.45E-04	1.11E-05	4.00E-05	6.01E-06	1.85E-05
4882	437341.9	3762366	7.06E-05	2.41E-04	1.10E-05	3.93E-05	5.91E-06	1.82E-05
4883	437356.4	3762360	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
4884	437370.9	3762354	6.83E-05	2.33E-04	1.06E-05	3.80E-05	5.72E-06	1.76E-05

4885	437064	3762683	1.23E-04	4.20E-04	1.91E-05	6.86E-05	1.03E-05	3.18E-05
4886	437064	3762699	1.28E-04	4.36E-04	1.99E-05	7.12E-05	1.07E-05	3.30E-05
4887	437037	3762668	1.05E-04	3.57E-04	1.63E-05	5.84E-05	8.77E-06	2.71E-05
4888	437043	3762653	1.04E-04	3.54E-04	1.61E-05	5.78E-05	8.68E-06	2.68E-05
4889	437049	3762639	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.56E-06	2.64E-05
4890	437055	3762624	1.01E-04	3.43E-04	1.56E-05	5.60E-05	8.42E-06	2.60E-05
4891	437061	3762610	9.87E-05	3.37E-04	1.53E-05	5.50E-05	8.26E-06	2.55E-05
4892	437067	3762595	9.66E-05	3.30E-04	1.50E-05	5.38E-05	8.09E-06	2.50E-05
4893	437073	3762580	9.43E-05	3.22E-04	1.47E-05	5.25E-05	7.89E-06	2.44E-05
4894	437079	3762566	9.19E-05	3.14E-04	1.43E-05	5.12E-05	7.70E-06	2.38E-05
4895	437085	3762551	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
4896	437091	3762537	8.74E-05	2.98E-04	1.36E-05	4.87E-05	7.31E-06	2.26E-05
4897	437097	3762522	8.50E-05	2.90E-04	1.32E-05	4.73E-05	7.11E-06	2.20E-05
4898	437103	3762508	8.25E-05	2.81E-04	1.28E-05	4.59E-05	6.90E-06	2.13E-05
4899	437109	3762493	7.99E-05	2.72E-04	1.24E-05	4.45E-05	6.69E-06	2.06E-05
4900	437126.9	3762450	7.21E-05	2.46E-04	1.12E-05	4.02E-05	6.03E-06	1.86E-05
4901	437132.9	3762435	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
4902	437146.2	3762418	6.70E-05	2.29E-04	1.04E-05	3.73E-05	5.61E-06	1.73E-05
4903	437189.7	3762400	6.79E-05	2.32E-04	1.06E-05	3.78E-05	5.68E-06	1.75E-05
4904	437204.2	3762394	6.78E-05	2.31E-04	1.05E-05	3.78E-05	5.68E-06	1.75E-05
4905	437218.7	3762387	6.76E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05
4906	437233.2	3762381	6.72E-05	2.29E-04	1.04E-05	3.75E-05	5.63E-06	1.74E-05
4907	437247.7	3762375	6.67E-05	2.27E-04	1.04E-05	3.72E-05	5.58E-06	1.72E-05
4908	437262.1	3762369	6.60E-05	2.25E-04	1.03E-05	3.68E-05	5.53E-06	1.71E-05
4909	437276.6	3762363	6.53E-05	2.23E-04	1.01E-05	3.64E-05	5.46E-06	1.69E-05
4910	437291.1	3762357	6.44E-05	2.20E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4911	437305.6	3762351	6.34E-05	2.16E-04	9.86E-06	3.53E-05	5.31E-06	1.64E-05
4912	437320.1	3762345	6.25E-05	2.13E-04	9.70E-06	3.48E-05	5.23E-06	1.61E-05
4913	437334.6	3762339	6.15E-05	2.10E-04	9.55E-06	3.42E-05	5.14E-06	1.59E-05
4914	437349.1	3762333	6.05E-05	2.06E-04	9.40E-06	3.37E-05	5.06E-06	1.56E-05
4915	437363.6	3762327	5.95E-05	2.03E-04	9.25E-06	3.32E-05	4.98E-06	1.54E-05
4916	437378.1	3762321	5.86E-05	2.00E-04	9.11E-06	3.27E-05	4.91E-06	1.51E-05
4917	437034	3762683	1.07E-04	3.66E-04	1.67E-05	5.97E-05	8.97E-06	2.77E-05
4918	437034	3762699	1.11E-04	3.78E-04	1.72E-05	6.17E-05	9.28E-06	2.86E-05
4919	437007	3762668	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.73E-06	2.38E-05
4920	437013	3762653	9.15E-05	3.12E-04	1.42E-05	5.10E-05	7.66E-06	2.36E-05
4921	437018.9	3762639	9.04E-05	3.08E-04	1.40E-05	5.03E-05	7.56E-06	2.34E-05
4922	437024.9	3762624	8.91E-05	3.04E-04	1.38E-05	4.96E-05	7.46E-06	2.30E-05
4923	437030.9	3762610	8.77E-05	2.99E-04	1.36E-05	4.88E-05	7.34E-06	2.27E-05
4924	437036.9	3762595	8.60E-05	2.93E-04	1.34E-05	4.79E-05	7.20E-06	2.22E-05
4925	437042.9	3762581	8.40E-05	2.86E-04	1.31E-05	4.68E-05	7.03E-06	2.17E-05
4926	437048.9	3762566	8.20E-05	2.80E-04	1.27E-05	4.57E-05	6.86E-06	2.12E-05
4927	437054.9	3762552	8.02E-05	2.74E-04	1.25E-05	4.47E-05	6.72E-06	2.07E-05
4928	437060.8	3762537	7.84E-05	2.67E-04	1.22E-05	4.37E-05	6.56E-06	2.03E-05
4929	437066.8	3762523	7.66E-05	2.61E-04	1.19E-05	4.27E-05	6.41E-06	1.98E-05
4930	437072.8	3762508	7.47E-05	2.55E-04	1.16E-05	4.16E-05	6.25E-06	1.93E-05
4931	437078.8	3762494	7.27E-05	2.48E-04	1.13E-05	4.05E-05	6.08E-06	1.88E-05
4932	437096.7	3762450	6.65E-05	2.27E-04	1.03E-05	3.70E-05	5.56E-06	1.72E-05
4933	437102.7	3762436	6.44E-05	2.20E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4934	437108.7	3762421	6.23E-05	2.12E-04	9.68E-06	3.47E-05	5.21E-06	1.61E-05
4935	437114.7	3762407	6.00E-05	2.05E-04	9.33E-06	3.34E-05	5.03E-06	1.55E-05
4936	437124.9	3762397	5.92E-05	2.02E-04	9.19E-06	3.30E-05	4.95E-06	1.53E-05

4937	437139.4	3762391	5.96E-05	2.03E-04	9.26E-06	3.32E-05	4.99E-06	1.54E-05
4938	437182.8	3762372	6.00E-05	2.05E-04	9.33E-06	3.34E-05	5.02E-06	1.55E-05
4939	437197.2	3762366	5.99E-05	2.04E-04	9.30E-06	3.34E-05	5.01E-06	1.55E-05
4940	437211.7	3762360	5.95E-05	2.03E-04	9.24E-06	3.31E-05	4.98E-06	1.54E-05
4941	437226.2	3762354	5.91E-05	2.01E-04	9.18E-06	3.29E-05	4.95E-06	1.53E-05
4942	437240.6	3762348	5.86E-05	2.00E-04	9.11E-06	3.26E-05	4.90E-06	1.51E-05
4943	437255.1	3762342	5.80E-05	1.98E-04	9.01E-06	3.23E-05	4.85E-06	1.50E-05
4944	437269.5	3762336	5.73E-05	1.95E-04	8.90E-06	3.19E-05	4.80E-06	1.48E-05
4945	437284	3762330	5.65E-05	1.93E-04	8.78E-06	3.15E-05	4.73E-06	1.46E-05
4946	437298.5	3762324	5.57E-05	1.90E-04	8.66E-06	3.10E-05	4.66E-06	1.44E-05
4947	437312.9	3762318	5.49E-05	1.87E-04	8.52E-06	3.06E-05	4.59E-06	1.42E-05
4948	437327.4	3762312	5.40E-05	1.84E-04	8.39E-06	3.01E-05	4.52E-06	1.40E-05
4949	437341.9	3762306	5.32E-05	1.81E-04	8.26E-06	2.96E-05	4.45E-06	1.37E-05
4950	437356.3	3762300	5.24E-05	1.79E-04	8.14E-06	2.92E-05	4.38E-06	1.35E-05
4951	437370.8	3762294	5.16E-05	1.76E-04	8.02E-06	2.88E-05	4.32E-06	1.33E-05
4952	437004	3762683	9.41E-05	3.21E-04	1.46E-05	5.24E-05	7.88E-06	2.43E-05
4953	437004	3762699	9.69E-05	3.31E-04	1.51E-05	5.40E-05	8.11E-06	2.50E-05
4954	436977	3762668	8.19E-05	2.79E-04	1.27E-05	4.56E-05	6.86E-06	2.12E-05
4955	436982.9	3762653	8.13E-05	2.77E-04	1.26E-05	4.53E-05	6.81E-06	2.10E-05
4956	436988.9	3762639	8.05E-05	2.75E-04	1.25E-05	4.49E-05	6.74E-06	2.08E-05
4957	436994.9	3762624	7.95E-05	2.71E-04	1.24E-05	4.43E-05	6.65E-06	2.05E-05
4958	437000.9	3762610	7.83E-05	2.67E-04	1.22E-05	4.36E-05	6.56E-06	2.02E-05
4959	437006.8	3762595	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.45E-06	1.99E-05
4960	437012.8	3762581	7.55E-05	2.58E-04	1.17E-05	4.21E-05	6.32E-06	1.95E-05
4961	437018.8	3762566	7.39E-05	2.52E-04	1.15E-05	4.12E-05	6.19E-06	1.91E-05
4962	437024.8	3762552	7.23E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
4963	437030.7	3762537	7.08E-05	2.41E-04	1.10E-05	3.94E-05	5.93E-06	1.83E-05
4964	437036.7	3762523	6.93E-05	2.36E-04	1.08E-05	3.86E-05	5.80E-06	1.79E-05
4965	437042.7	3762509	6.77E-05	2.31E-04	1.05E-05	3.77E-05	5.67E-06	1.75E-05
4966	437048.6	3762494	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
4967	437066.6	3762451	6.12E-05	2.09E-04	9.50E-06	3.41E-05	5.12E-06	1.58E-05
4968	437072.5	3762436	5.96E-05	2.03E-04	9.25E-06	3.32E-05	4.98E-06	1.54E-05
4969	437078.5	3762422	5.79E-05	1.97E-04	8.99E-06	3.22E-05	4.85E-06	1.50E-05
4970	437084.5	3762407	5.61E-05	1.91E-04	8.72E-06	3.13E-05	4.70E-06	1.45E-05
4971	437090.5	3762393	5.43E-05	1.85E-04	8.43E-06	3.02E-05	4.54E-06	1.40E-05
4972	437103.6	3762375	5.27E-05	1.80E-04	8.19E-06	2.93E-05	4.41E-06	1.36E-05
4973	437118.1	3762369	5.31E-05	1.81E-04	8.25E-06	2.96E-05	4.44E-06	1.37E-05
4974	437132.5	3762363	5.32E-05	1.81E-04	8.26E-06	2.96E-05	4.45E-06	1.37E-05
4975	437147	3762357	5.33E-05	1.82E-04	8.28E-06	2.97E-05	4.46E-06	1.38E-05
4976	437190.3	3762339	5.30E-05	1.81E-04	8.24E-06	2.96E-05	4.44E-06	1.37E-05
4977	437204.7	3762333	5.28E-05	1.80E-04	8.20E-06	2.94E-05	4.42E-06	1.36E-05
4978	437219.1	3762327	5.24E-05	1.79E-04	8.14E-06	2.92E-05	4.38E-06	1.35E-05
4979	437233.6	3762321	5.19E-05	1.77E-04	8.06E-06	2.89E-05	4.34E-06	1.34E-05
4980	437248	3762315	5.13E-05	1.75E-04	7.97E-06	2.86E-05	4.30E-06	1.33E-05
4981	437262.4	3762309	5.07E-05	1.73E-04	7.88E-06	2.82E-05	4.24E-06	1.31E-05
4982	437276.9	3762303	5.00E-05	1.71E-04	7.77E-06	2.79E-05	4.19E-06	1.29E-05
4983	437291.3	3762297	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
4984	437305.8	3762291	4.86E-05	1.66E-04	7.55E-06	2.71E-05	4.07E-06	1.26E-05
4985	437320.2	3762285	4.79E-05	1.63E-04	7.44E-06	2.67E-05	4.01E-06	1.24E-05
4986	437334.6	3762279	4.72E-05	1.61E-04	7.33E-06	2.63E-05	3.95E-06	1.22E-05
4987	437349.1	3762273	4.65E-05	1.59E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
4988	437363.5	3762267	4.58E-05	1.56E-04	7.12E-06	2.55E-05	3.84E-06	1.18E-05

4989	437377.9	3762261	4.52E-05	1.54E-04	7.03E-06	2.52E-05	3.79E-06	1.17E-05
4990	436974	3762683	8.34E-05	2.84E-04	1.30E-05	4.64E-05	6.98E-06	2.15E-05
4991	436974	3762699	8.56E-05	2.92E-04	1.33E-05	4.77E-05	7.17E-06	2.21E-05
4992	436947	3762668	7.32E-05	2.50E-04	1.14E-05	4.08E-05	6.13E-06	1.89E-05
4993	436952.9	3762653	7.28E-05	2.48E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
4994	436958.9	3762639	7.22E-05	2.46E-04	1.12E-05	4.02E-05	6.04E-06	1.87E-05
4995	436964.9	3762624	7.14E-05	2.44E-04	1.11E-05	3.98E-05	5.98E-06	1.85E-05
4996	436970.8	3762610	7.05E-05	2.40E-04	1.10E-05	3.93E-05	5.90E-06	1.82E-05
4997	436976.8	3762595	6.95E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
4998	436982.7	3762581	6.83E-05	2.33E-04	1.06E-05	3.80E-05	5.72E-06	1.76E-05
4999	436988.7	3762567	6.71E-05	2.29E-04	1.04E-05	3.74E-05	5.61E-06	1.73E-05
5000	436994.7	3762552	6.57E-05	2.24E-04	1.02E-05	3.66E-05	5.50E-06	1.70E-05
5001	437000.6	3762538	6.44E-05	2.19E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
5002	437006.6	3762523	6.31E-05	2.15E-04	9.80E-06	3.51E-05	5.28E-06	1.63E-05
5003	437012.6	3762509	6.17E-05	2.11E-04	9.59E-06	3.44E-05	5.17E-06	1.60E-05
5004	437018.5	3762494	6.04E-05	2.06E-04	9.39E-06	3.36E-05	5.06E-06	1.56E-05
5005	437036.4	3762451	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.71E-06	1.45E-05
5006	437042.4	3762437	5.50E-05	1.88E-04	8.55E-06	3.06E-05	4.60E-06	1.42E-05
5007	437048.3	3762422	5.37E-05	1.83E-04	8.35E-06	2.99E-05	4.50E-06	1.39E-05
5008	437054.3	3762408	5.23E-05	1.78E-04	8.13E-06	2.91E-05	4.38E-06	1.35E-05
5009	437060.3	3762393	5.08E-05	1.73E-04	7.90E-06	2.83E-05	4.25E-06	1.31E-05
5010	437066.2	3762379	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
5011	437072.2	3762364	4.77E-05	1.63E-04	7.41E-06	2.66E-05	3.99E-06	1.23E-05
5012	437082.4	3762354	4.71E-05	1.61E-04	7.32E-06	2.62E-05	3.94E-06	1.22E-05
5013	437096.8	3762348	4.73E-05	1.61E-04	7.36E-06	2.64E-05	3.96E-06	1.22E-05
5014	437111.2	3762342	4.75E-05	1.62E-04	7.38E-06	2.65E-05	3.98E-06	1.23E-05
5015	437125.6	3762336	4.75E-05	1.62E-04	7.38E-06	2.65E-05	3.98E-06	1.23E-05
5016	437140	3762330	4.76E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
5017	437183.3	3762312	4.74E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.22E-05
5018	437197.7	3762306	4.71E-05	1.61E-04	7.32E-06	2.63E-05	3.94E-06	1.22E-05
5019	437212.1	3762300	4.68E-05	1.59E-04	7.26E-06	2.60E-05	3.91E-06	1.21E-05
5020	437226.5	3762294	4.63E-05	1.58E-04	7.19E-06	2.58E-05	3.87E-06	1.20E-05
5021	437240.9	3762288	4.58E-05	1.56E-04	7.11E-06	2.55E-05	3.83E-06	1.18E-05
5022	437255.3	3762282	4.52E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
5023	437269.7	3762276	4.46E-05	1.52E-04	6.93E-06	2.48E-05	3.73E-06	1.15E-05
5024	437284.2	3762270	4.40E-05	1.50E-04	6.83E-06	2.45E-05	3.68E-06	1.14E-05
5025	437298.6	3762264	4.33E-05	1.48E-04	6.73E-06	2.41E-05	3.63E-06	1.12E-05
5026	437313	3762258	4.27E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
5027	437327.4	3762252	4.21E-05	1.44E-04	6.55E-06	2.35E-05	3.53E-06	1.09E-05
5028	437341.8	3762246	4.16E-05	1.42E-04	6.46E-06	2.31E-05	3.48E-06	1.07E-05
5029	437356.2	3762240	4.10E-05	1.40E-04	6.37E-06	2.28E-05	3.43E-06	1.06E-05
5030	437370.6	3762234	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
5031	436944	3762683	7.43E-05	2.53E-04	1.15E-05	4.14E-05	6.22E-06	1.92E-05
5032	436944	3762699	7.61E-05	2.60E-04	1.18E-05	4.24E-05	6.37E-06	1.97E-05
5033	436917	3762668	6.58E-05	2.25E-04	1.02E-05	3.67E-05	5.51E-06	1.70E-05
5034	436922.9	3762653	6.56E-05	2.24E-04	1.02E-05	3.65E-05	5.49E-06	1.69E-05
5035	436928.9	3762639	6.51E-05	2.22E-04	1.01E-05	3.63E-05	5.45E-06	1.68E-05
5036	436934.8	3762624	6.45E-05	2.20E-04	1.00E-05	3.59E-05	5.40E-06	1.67E-05
5037	436940.8	3762610	6.38E-05	2.17E-04	9.91E-06	3.55E-05	5.34E-06	1.65E-05
5038	436946.7	3762596	6.29E-05	2.15E-04	9.78E-06	3.51E-05	5.27E-06	1.63E-05
5039	436952.7	3762581	6.20E-05	2.11E-04	9.63E-06	3.45E-05	5.19E-06	1.60E-05
5040	436958.6	3762567	6.10E-05	2.08E-04	9.48E-06	3.40E-05	5.11E-06	1.58E-05

5041	436964.6	3762552	5.99E-05	2.04E-04	9.31E-06	3.34E-05	5.02E-06	1.55E-05
5042	436970.6	3762538	5.88E-05	2.01E-04	9.14E-06	3.28E-05	4.92E-06	1.52E-05
5043	436976.5	3762523	5.78E-05	1.97E-04	8.97E-06	3.22E-05	4.83E-06	1.49E-05
5044	436982.5	3762509	5.67E-05	1.93E-04	8.80E-06	3.16E-05	4.74E-06	1.46E-05
5045	436988.4	3762495	5.55E-05	1.89E-04	8.62E-06	3.09E-05	4.64E-06	1.43E-05
5046	437006.3	3762451	5.21E-05	1.78E-04	8.09E-06	2.90E-05	4.36E-06	1.35E-05
5047	437012.2	3762437	5.10E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
5048	437018.2	3762423	4.99E-05	1.70E-04	7.76E-06	2.78E-05	4.18E-06	1.29E-05
5049	437024.1	3762408	4.88E-05	1.66E-04	7.58E-06	2.72E-05	4.08E-06	1.26E-05
5050	437030.1	3762394	4.76E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
5051	437036.1	3762379	4.63E-05	1.58E-04	7.20E-06	2.58E-05	3.88E-06	1.20E-05
5052	437042	3762365	4.50E-05	1.53E-04	6.99E-06	2.51E-05	3.76E-06	1.16E-05
5053	437048	3762351	4.36E-05	1.49E-04	6.78E-06	2.43E-05	3.65E-06	1.13E-05
5054	437061.1	3762333	4.24E-05	1.45E-04	6.59E-06	2.36E-05	3.55E-06	1.10E-05
5055	437075.5	3762327	4.26E-05	1.45E-04	6.62E-06	2.37E-05	3.57E-06	1.10E-05
5056	437089.9	3762321	4.28E-05	1.46E-04	6.65E-06	2.38E-05	3.58E-06	1.11E-05
5057	437104.3	3762315	4.29E-05	1.46E-04	6.66E-06	2.39E-05	3.59E-06	1.11E-05
5058	437118.7	3762309	4.29E-05	1.46E-04	6.67E-06	2.39E-05	3.59E-06	1.11E-05
5059	437133.1	3762303	4.29E-05	1.46E-04	6.67E-06	2.39E-05	3.59E-06	1.11E-05
5060	437147.5	3762297	4.29E-05	1.46E-04	6.67E-06	2.39E-05	3.59E-06	1.11E-05
5061	437190.6	3762279	4.24E-05	1.44E-04	6.58E-06	2.36E-05	3.55E-06	1.09E-05
5062	437205	3762273	4.20E-05	1.43E-04	6.52E-06	2.34E-05	3.51E-06	1.08E-05
5063	437219.4	3762267	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
5064	437233.8	3762261	4.11E-05	1.40E-04	6.38E-06	2.29E-05	3.44E-06	1.06E-05
5065	437248.2	3762255	4.05E-05	1.38E-04	6.30E-06	2.26E-05	3.39E-06	1.05E-05
5066	437262.6	3762249	4.00E-05	1.36E-04	6.21E-06	2.23E-05	3.35E-06	1.03E-05
5067	437277	3762243	3.95E-05	1.35E-04	6.13E-06	2.20E-05	3.30E-06	1.02E-05
5068	437291.4	3762237	3.89E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
5069	437305.8	3762231	3.84E-05	1.31E-04	5.97E-06	2.14E-05	3.22E-06	9.93E-06
5070	437320.2	3762225	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.79E-06
5071	437334.6	3762219	3.74E-05	1.28E-04	5.81E-06	2.08E-05	3.13E-06	9.67E-06
5072	437349	3762213	3.69E-05	1.26E-04	5.74E-06	2.06E-05	3.09E-06	9.55E-06
5073	437363.4	3762207	3.65E-05	1.24E-04	5.67E-06	2.03E-05	3.06E-06	9.43E-06
5074	437377.7	3762201	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.33E-06
5075	436914	3762683	6.67E-05	2.27E-04	1.04E-05	3.72E-05	5.58E-06	1.72E-05
5076	436914	3762699	6.81E-05	2.32E-04	1.06E-05	3.80E-05	5.70E-06	1.76E-05
5077	436887	3762667	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.54E-05
5078	436893.1	3762653	5.92E-05	2.02E-04	9.20E-06	3.30E-05	4.96E-06	1.53E-05
5079	436899.2	3762638	5.89E-05	2.01E-04	9.15E-06	3.28E-05	4.93E-06	1.52E-05
5080	436905.2	3762623	5.84E-05	1.99E-04	9.07E-06	3.25E-05	4.89E-06	1.51E-05
5081	436911.3	3762609	5.78E-05	1.97E-04	8.99E-06	3.22E-05	4.84E-06	1.49E-05
5082	436917.4	3762594	5.72E-05	1.95E-04	8.88E-06	3.18E-05	4.78E-06	1.48E-05
5083	436923.4	3762579	5.64E-05	1.92E-04	8.76E-06	3.14E-05	4.72E-06	1.46E-05
5084	436929.5	3762565	5.56E-05	1.90E-04	8.63E-06	3.10E-05	4.65E-06	1.44E-05
5085	436935.6	3762550	5.47E-05	1.86E-04	8.50E-06	3.05E-05	4.58E-06	1.41E-05
5086	436941.6	3762535	5.38E-05	1.83E-04	8.35E-06	2.99E-05	4.50E-06	1.39E-05
5087	436947.7	3762521	5.28E-05	1.80E-04	8.20E-06	2.94E-05	4.42E-06	1.36E-05
5088	436953.8	3762506	5.18E-05	1.77E-04	8.05E-06	2.89E-05	4.34E-06	1.34E-05
5089	436959.8	3762491	5.08E-05	1.73E-04	7.90E-06	2.83E-05	4.25E-06	1.31E-05
5090	436978.1	3762447	4.80E-05	1.64E-04	7.45E-06	2.67E-05	4.02E-06	1.24E-05
5091	436984.1	3762432	4.71E-05	1.61E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
5092	436990.2	3762418	4.61E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05

5093	436996.3	3762403	4.51E-05	1.54E-04	7.01E-06	2.51E-05	3.78E-06	1.17E-05
5094	437002.3	3762388	4.41E-05	1.50E-04	6.85E-06	2.46E-05	3.69E-06	1.14E-05
5095	437008.4	3762374	4.30E-05	1.47E-04	6.69E-06	2.40E-05	3.60E-06	1.11E-05
5096	437014.5	3762359	4.19E-05	1.43E-04	6.51E-06	2.33E-05	3.51E-06	1.08E-05
5097	437020.5	3762344	4.07E-05	1.39E-04	6.33E-06	2.27E-05	3.41E-06	1.05E-05
5098	437026.6	3762330	3.96E-05	1.35E-04	6.15E-06	2.20E-05	3.31E-06	1.02E-05
5099	437040	3762312	3.85E-05	1.31E-04	5.99E-06	2.15E-05	3.22E-06	9.95E-06
5100	437054.7	3762306	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
5101	437069.3	3762300	3.89E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
5102	437084	3762293	3.90E-05	1.33E-04	6.07E-06	2.17E-05	3.27E-06	1.01E-05
5103	437098.7	3762287	3.91E-05	1.33E-04	6.08E-06	2.18E-05	3.27E-06	1.01E-05
5104	437113.3	3762281	3.92E-05	1.34E-04	6.08E-06	2.18E-05	3.28E-06	1.01E-05
5105	437128	3762275	3.91E-05	1.33E-04	6.07E-06	2.18E-05	3.27E-06	1.01E-05
5106	437142.7	3762269	3.90E-05	1.33E-04	6.06E-06	2.17E-05	3.26E-06	1.01E-05
5107	437157.3	3762263	3.88E-05	1.32E-04	6.03E-06	2.16E-05	3.25E-06	1.00E-05
5108	437172	3762257	3.85E-05	1.31E-04	5.99E-06	2.15E-05	3.23E-06	9.96E-06
5109	437186.7	3762251	3.82E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.88E-06
5110	437201.3	3762244	3.78E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.78E-06
5111	437216	3762238	3.74E-05	1.28E-04	5.81E-06	2.08E-05	3.13E-06	9.66E-06
5112	437230.7	3762232	3.69E-05	1.26E-04	5.74E-06	2.06E-05	3.09E-06	9.55E-06
5113	437245.3	3762226	3.65E-05	1.24E-04	5.67E-06	2.03E-05	3.05E-06	9.42E-06
5114	437260	3762220	3.60E-05	1.23E-04	5.59E-06	2.00E-05	3.01E-06	9.30E-06
5115	437274.7	3762214	3.55E-05	1.21E-04	5.52E-06	1.98E-05	2.97E-06	9.18E-06
5116	437289.4	3762208	3.50E-05	1.20E-04	5.45E-06	1.95E-05	2.93E-06	9.06E-06
5117	437304	3762202	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.94E-06
5118	437318.7	3762195	3.41E-05	1.16E-04	5.31E-06	1.90E-05	2.86E-06	8.82E-06
5119	437333.4	3762189	3.37E-05	1.15E-04	5.24E-06	1.88E-05	2.82E-06	8.71E-06
5120	437348	3762183	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.61E-06
5121	437362.7	3762177	3.29E-05	1.12E-04	5.12E-06	1.83E-05	2.76E-06	8.51E-06
5122	437377.4	3762171	3.26E-05	1.11E-04	5.06E-06	1.82E-05	2.73E-06	8.42E-06
5123	436884	3762683	6.01E-05	2.05E-04	9.34E-06	3.35E-05	5.03E-06	1.55E-05
5124	436884	3762699	6.13E-05	2.09E-04	9.52E-06	3.41E-05	5.13E-06	1.58E-05
5125	436857	3762668	5.40E-05	1.84E-04	8.38E-06	3.01E-05	4.52E-06	1.39E-05
5126	436863.1	3762653	5.38E-05	1.83E-04	8.36E-06	3.00E-05	4.50E-06	1.39E-05
5127	436869.1	3762638	5.35E-05	1.83E-04	8.32E-06	2.98E-05	4.48E-06	1.38E-05
5128	436875.2	3762624	5.31E-05	1.81E-04	8.26E-06	2.96E-05	4.45E-06	1.37E-05
5129	436881.2	3762609	5.27E-05	1.80E-04	8.18E-06	2.93E-05	4.41E-06	1.36E-05
5130	436887.3	3762594	5.21E-05	1.78E-04	8.10E-06	2.90E-05	4.36E-06	1.35E-05
5131	436893.3	3762580	5.16E-05	1.76E-04	8.01E-06	2.87E-05	4.32E-06	1.33E-05
5132	436899.4	3762565	5.09E-05	1.74E-04	7.91E-06	2.84E-05	4.26E-06	1.32E-05
5133	436905.5	3762550	5.02E-05	1.71E-04	7.80E-06	2.80E-05	4.20E-06	1.30E-05
5134	436911.5	3762536	4.94E-05	1.69E-04	7.68E-06	2.75E-05	4.14E-06	1.28E-05
5135	436917.6	3762521	4.86E-05	1.66E-04	7.56E-06	2.71E-05	4.07E-06	1.26E-05
5136	436923.6	3762506	4.78E-05	1.63E-04	7.43E-06	2.66E-05	4.00E-06	1.24E-05
5137	436929.7	3762492	4.70E-05	1.60E-04	7.30E-06	2.62E-05	3.93E-06	1.21E-05
5138	436947.8	3762448	4.45E-05	1.52E-04	6.91E-06	2.48E-05	3.72E-06	1.15E-05
5139	436953.9	3762433	4.38E-05	1.49E-04	6.80E-06	2.44E-05	3.66E-06	1.13E-05
5140	436959.9	3762418	4.30E-05	1.47E-04	6.68E-06	2.39E-05	3.60E-06	1.11E-05
5141	436966	3762404	4.21E-05	1.44E-04	6.55E-06	2.35E-05	3.53E-06	1.09E-05
5142	436972.1	3762389	4.13E-05	1.41E-04	6.42E-06	2.30E-05	3.46E-06	1.07E-05
5143	436978.1	3762374	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
5144	436984.2	3762360	3.95E-05	1.35E-04	6.14E-06	2.20E-05	3.31E-06	1.02E-05

5145	436990.2	3762345	3.85E-05	1.31E-04	5.99E-06	2.15E-05	3.23E-06	9.96E-06
5146	436996.3	3762330	3.76E-05	1.28E-04	5.83E-06	2.09E-05	3.14E-06	9.70E-06
5147	437002.3	3762316	3.66E-05	1.25E-04	5.68E-06	2.04E-05	3.06E-06	9.45E-06
5148	437008.4	3762301	3.56E-05	1.21E-04	5.53E-06	1.98E-05	2.98E-06	9.19E-06
5149	437018.7	3762291	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.10E-06
5150	437033.4	3762285	3.54E-05	1.21E-04	5.51E-06	1.97E-05	2.97E-06	9.16E-06
5151	437048	3762278	3.56E-05	1.21E-04	5.53E-06	1.98E-05	2.98E-06	9.20E-06
5152	437062.6	3762272	3.58E-05	1.22E-04	5.56E-06	1.99E-05	2.99E-06	9.24E-06
5153	437077.3	3762266	3.58E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.26E-06
5154	437091.9	3762260	3.59E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.26E-06
5155	437106.5	3762254	3.58E-05	1.22E-04	5.56E-06	1.99E-05	3.00E-06	9.25E-06
5156	437121.2	3762248	3.57E-05	1.22E-04	5.55E-06	1.99E-05	2.99E-06	9.23E-06
5157	437135.8	3762242	3.56E-05	1.21E-04	5.53E-06	1.98E-05	2.98E-06	9.19E-06
5158	437150.4	3762236	3.53E-05	1.21E-04	5.49E-06	1.97E-05	2.96E-06	9.13E-06
5159	437165.1	3762230	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.94E-06	9.06E-06
5160	437179.7	3762223	3.47E-05	1.18E-04	5.40E-06	1.94E-05	2.91E-06	8.98E-06
5161	437194.3	3762217	3.44E-05	1.17E-04	5.34E-06	1.92E-05	2.88E-06	8.88E-06
5162	437209	3762211	3.40E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.78E-06
5163	437223.6	3762205	3.36E-05	1.15E-04	5.22E-06	1.87E-05	2.81E-06	8.68E-06
5164	437238.2	3762199	3.32E-05	1.13E-04	5.15E-06	1.85E-05	2.78E-06	8.57E-06
5165	437252.9	3762193	3.27E-05	1.12E-04	5.09E-06	1.82E-05	2.74E-06	8.46E-06
5166	437267.5	3762187	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.70E-06	8.35E-06
5167	437282.2	3762181	3.19E-05	1.09E-04	4.96E-06	1.78E-05	2.67E-06	8.24E-06
5168	437296.8	3762175	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.64E-06	8.14E-06
5169	437311.4	3762168	3.11E-05	1.06E-04	4.83E-06	1.73E-05	2.60E-06	8.03E-06
5170	437326.1	3762162	3.07E-05	1.05E-04	4.77E-06	1.71E-05	2.57E-06	7.94E-06
5171	437340.7	3762156	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5172	437355.3	3762150	3.00E-05	1.02E-04	4.67E-06	1.67E-05	2.51E-06	7.76E-06
5173	437370	3762144	2.97E-05	1.01E-04	4.62E-06	1.66E-05	2.49E-06	7.68E-06
5174	436854	3762683	5.45E-05	1.86E-04	8.47E-06	3.03E-05	4.56E-06	1.41E-05
5175	436854	3762699	5.54E-05	1.89E-04	8.61E-06	3.09E-05	4.64E-06	1.43E-05
5176	436827	3762668	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
5177	436833	3762653	4.92E-05	1.68E-04	7.65E-06	2.74E-05	4.12E-06	1.27E-05
5178	436839.1	3762638	4.90E-05	1.67E-04	7.62E-06	2.73E-05	4.10E-06	1.27E-05
5179	436845.1	3762624	4.87E-05	1.66E-04	7.57E-06	2.71E-05	4.08E-06	1.26E-05
5180	436851.2	3762609	4.82E-05	1.64E-04	7.50E-06	2.69E-05	4.04E-06	1.25E-05
5181	436857.2	3762594	4.77E-05	1.63E-04	7.42E-06	2.66E-05	4.00E-06	1.23E-05
5182	436863.3	3762580	4.73E-05	1.61E-04	7.35E-06	2.63E-05	3.96E-06	1.22E-05
5183	436869.3	3762565	4.68E-05	1.59E-04	7.27E-06	2.60E-05	3.91E-06	1.21E-05
5184	436875.3	3762551	4.62E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
5185	436881.4	3762536	4.55E-05	1.55E-04	7.08E-06	2.54E-05	3.81E-06	1.18E-05
5186	436887.4	3762521	4.49E-05	1.53E-04	6.97E-06	2.50E-05	3.76E-06	1.16E-05
5187	436893.5	3762507	4.42E-05	1.51E-04	6.87E-06	2.46E-05	3.70E-06	1.14E-05
5188	436899.5	3762492	4.35E-05	1.48E-04	6.76E-06	2.42E-05	3.64E-06	1.12E-05
5189	436917.6	3762448	4.13E-05	1.41E-04	6.42E-06	2.30E-05	3.46E-06	1.07E-05
5190	436923.7	3762433	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.40E-06	1.05E-05
5191	436929.7	3762419	4.00E-05	1.36E-04	6.22E-06	2.23E-05	3.35E-06	1.03E-05
5192	436935.8	3762404	3.93E-05	1.34E-04	6.11E-06	2.19E-05	3.29E-06	1.02E-05
5193	436941.8	3762390	3.86E-05	1.32E-04	6.00E-06	2.15E-05	3.23E-06	9.98E-06
5194	436947.9	3762375	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.79E-06
5195	436953.9	3762360	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
5196	436959.9	3762346	3.63E-05	1.24E-04	5.65E-06	2.02E-05	3.04E-06	9.39E-06

5197	436966	3762331	3.55E-05	1.21E-04	5.52E-06	1.98E-05	2.97E-06	9.18E-06
5198	436972	3762316	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.90E-06	8.97E-06
5199	436978.1	3762302	3.39E-05	1.15E-04	5.26E-06	1.89E-05	2.83E-06	8.75E-06
5200	436984.1	3762287	3.30E-05	1.13E-04	5.13E-06	1.84E-05	2.76E-06	8.53E-06
5201	436997.5	3762270	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.70E-06	8.35E-06
5202	437012.1	3762263	3.25E-05	1.11E-04	5.06E-06	1.81E-05	2.72E-06	8.41E-06
5203	437026.7	3762257	3.27E-05	1.12E-04	5.08E-06	1.82E-05	2.74E-06	8.45E-06
5204	437041.3	3762251	3.28E-05	1.12E-04	5.10E-06	1.83E-05	2.75E-06	8.48E-06
5205	437055.9	3762245	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.75E-06	8.50E-06
5206	437070.5	3762239	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.75E-06	8.50E-06
5207	437085.1	3762233	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.75E-06	8.50E-06
5208	437099.7	3762227	3.28E-05	1.12E-04	5.10E-06	1.83E-05	2.75E-06	8.48E-06
5209	437114.3	3762221	3.27E-05	1.11E-04	5.08E-06	1.82E-05	2.74E-06	8.45E-06
5210	437128.9	3762215	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
5211	437143.5	3762209	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.70E-06	8.35E-06
5212	437158.1	3762202	3.20E-05	1.09E-04	4.98E-06	1.78E-05	2.68E-06	8.28E-06
5213	437172.7	3762196	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.20E-06
5214	437187.3	3762190	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
5215	437201.9	3762184	3.11E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
5216	437216.5	3762178	3.07E-05	1.05E-04	4.77E-06	1.71E-05	2.57E-06	7.93E-06
5217	437231.1	3762172	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5218	437245.7	3762166	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
5219	437260.4	3762160	2.95E-05	1.01E-04	4.59E-06	1.65E-05	2.47E-06	7.63E-06
5220	437275	3762154	2.92E-05	9.95E-05	4.53E-06	1.63E-05	2.44E-06	7.54E-06
5221	437289.6	3762148	2.88E-05	9.82E-05	4.48E-06	1.61E-05	2.41E-06	7.44E-06
5222	437304.2	3762141	2.85E-05	9.70E-05	4.42E-06	1.59E-05	2.38E-06	7.35E-06
5223	437318.8	3762135	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.27E-06
5224	437333.4	3762129	2.78E-05	9.49E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
5225	437348	3762123	2.75E-05	9.39E-05	4.28E-06	1.53E-05	2.31E-06	7.12E-06
5226	437362.6	3762117	2.73E-05	9.30E-05	4.24E-06	1.52E-05	2.28E-06	7.05E-06
5227	437377.2	3762111	2.70E-05	9.22E-05	4.20E-06	1.51E-05	2.26E-06	6.99E-06
5228	436824	3762683	4.97E-05	1.69E-04	7.72E-06	2.77E-05	4.16E-06	1.28E-05
5229	436824	3762699	5.05E-05	1.72E-04	7.84E-06	2.81E-05	4.22E-06	1.30E-05
5230	436797	3762668	4.52E-05	1.54E-04	7.03E-06	2.52E-05	3.78E-06	1.17E-05
5231	436803	3762653	4.52E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
5232	436809.1	3762638	4.51E-05	1.54E-04	7.00E-06	2.51E-05	3.77E-06	1.16E-05
5233	436815.1	3762624	4.48E-05	1.53E-04	6.97E-06	2.50E-05	3.75E-06	1.16E-05
5234	436821.1	3762609	4.45E-05	1.52E-04	6.91E-06	2.48E-05	3.72E-06	1.15E-05
5235	436827.2	3762595	4.40E-05	1.50E-04	6.84E-06	2.45E-05	3.69E-06	1.14E-05
5236	436833.2	3762580	4.36E-05	1.49E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
5237	436839.2	3762565	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
5238	436845.3	3762551	4.26E-05	1.45E-04	6.62E-06	2.37E-05	3.57E-06	1.10E-05
5239	436851.3	3762536	4.21E-05	1.44E-04	6.54E-06	2.34E-05	3.52E-06	1.09E-05
5240	436857.3	3762522	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
5241	436863.4	3762507	4.10E-05	1.40E-04	6.36E-06	2.28E-05	3.43E-06	1.06E-05
5242	436869.4	3762492	4.03E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
5243	436875.4	3762478	3.98E-05	1.36E-04	6.18E-06	2.21E-05	3.33E-06	1.03E-05
5244	436893.5	3762434	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.79E-06
5245	436899.5	3762419	3.73E-05	1.27E-04	5.80E-06	2.08E-05	3.12E-06	9.64E-06
5246	436905.6	3762405	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.48E-06
5247	436911.6	3762390	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.33E-06
5248	436917.6	3762376	3.55E-05	1.21E-04	5.52E-06	1.98E-05	2.97E-06	9.17E-06

5249	436923.7	3762361	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.92E-06	9.00E-06
5250	436929.7	3762346	3.42E-05	1.17E-04	5.31E-06	1.90E-05	2.86E-06	8.83E-06
5251	436935.7	3762332	3.35E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.66E-06
5252	436941.8	3762317	3.28E-05	1.12E-04	5.10E-06	1.83E-05	2.75E-06	8.48E-06
5253	436947.8	3762303	3.21E-05	1.09E-04	4.99E-06	1.79E-05	2.69E-06	8.29E-06
5254	436953.8	3762288	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
5255	436959.9	3762273	3.07E-05	1.05E-04	4.77E-06	1.71E-05	2.57E-06	7.93E-06
5256	436965.9	3762259	3.00E-05	1.02E-04	4.66E-06	1.67E-05	2.51E-06	7.75E-06
5257	436976.2	3762248	2.97E-05	1.01E-04	4.62E-06	1.66E-05	2.49E-06	7.68E-06
5258	436990.8	3762242	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.51E-06	7.74E-06
5259	437005.4	3762236	3.01E-05	1.03E-04	4.68E-06	1.68E-05	2.52E-06	7.78E-06
5260	437019.9	3762230	3.02E-05	1.03E-04	4.70E-06	1.68E-05	2.53E-06	7.81E-06
5261	437034.5	3762224	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5262	437049.1	3762218	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.84E-06
5263	437063.7	3762212	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5264	437078.2	3762206	3.03E-05	1.03E-04	4.70E-06	1.69E-05	2.53E-06	7.82E-06
5265	437092.8	3762200	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.52E-06	7.79E-06
5266	437107.4	3762194	3.00E-05	1.02E-04	4.66E-06	1.67E-05	2.51E-06	7.75E-06
5267	437122	3762187	2.98E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
5268	437136.6	3762181	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.65E-06
5269	437151.1	3762175	2.94E-05	1.00E-04	4.56E-06	1.64E-05	2.46E-06	7.59E-06
5270	437165.7	3762169	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
5271	437180.3	3762163	2.88E-05	9.82E-05	4.48E-06	1.60E-05	2.41E-06	7.44E-06
5272	437194.9	3762157	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
5273	437209.5	3762151	2.82E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
5274	437224	3762145	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
5275	437238.6	3762139	2.75E-05	9.37E-05	4.27E-06	1.53E-05	2.30E-06	7.10E-06
5276	437253.2	3762133	2.71E-05	9.25E-05	4.22E-06	1.51E-05	2.27E-06	7.01E-06
5277	437267.8	3762127	2.68E-05	9.14E-05	4.16E-06	1.49E-05	2.24E-06	6.93E-06
5278	437282.3	3762121	2.65E-05	9.03E-05	4.12E-06	1.48E-05	2.22E-06	6.84E-06
5279	437296.9	3762114	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
5280	437311.5	3762108	2.59E-05	8.83E-05	4.02E-06	1.44E-05	2.17E-06	6.69E-06
5281	437326.1	3762102	2.56E-05	8.74E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
5282	437340.7	3762096	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
5283	437355.2	3762090	2.51E-05	8.57E-05	3.91E-06	1.40E-05	2.10E-06	6.49E-06
5284	436794	3762683	4.55E-05	1.55E-04	7.08E-06	2.54E-05	3.81E-06	1.18E-05
5285	436794	3762699	4.62E-05	1.57E-04	7.18E-06	2.57E-05	3.87E-06	1.19E-05
5286	436757	3762668	4.05E-05	1.38E-04	6.30E-06	2.26E-05	3.39E-06	1.05E-05
5287	436763	3762653	4.06E-05	1.38E-04	6.30E-06	2.26E-05	3.39E-06	1.05E-05
5288	436769	3762638	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
5289	436775.1	3762624	4.03E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
5290	436781.1	3762609	4.01E-05	1.37E-04	6.23E-06	2.23E-05	3.36E-06	1.04E-05
5291	436787.1	3762595	3.98E-05	1.36E-04	6.18E-06	2.22E-05	3.33E-06	1.03E-05
5292	436793.1	3762580	3.94E-05	1.34E-04	6.12E-06	2.20E-05	3.30E-06	1.02E-05
5293	436799.1	3762566	3.90E-05	1.33E-04	6.06E-06	2.17E-05	3.26E-06	1.01E-05
5294	436805.1	3762551	3.85E-05	1.31E-04	5.99E-06	2.15E-05	3.23E-06	9.96E-06
5295	436811.2	3762536	3.81E-05	1.30E-04	5.92E-06	2.12E-05	3.19E-06	9.84E-06
5296	436817.2	3762522	3.76E-05	1.28E-04	5.85E-06	2.10E-05	3.15E-06	9.72E-06
5297	436823.2	3762507	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.60E-06
5298	436829.2	3762493	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.07E-06	9.47E-06
5299	436835.2	3762478	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.34E-06
5300	436841.3	3762464	3.56E-05	1.21E-04	5.54E-06	1.98E-05	2.98E-06	9.21E-06

5301	436859.3	3762420	3.41E-05	1.16E-04	5.29E-06	1.90E-05	2.85E-06	8.80E-06
5302	436865.3	3762405	3.35E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.66E-06
5303	436871.4	3762391	3.30E-05	1.12E-04	5.12E-06	1.84E-05	2.76E-06	8.52E-06
5304	436877.4	3762376	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
5305	436883.4	3762362	3.18E-05	1.09E-04	4.95E-06	1.77E-05	2.67E-06	8.23E-06
5306	436889.4	3762347	3.13E-05	1.07E-04	4.87E-06	1.75E-05	2.62E-06	8.10E-06
5307	436895.4	3762332	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.97E-06
5308	436901.4	3762318	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.84E-06
5309	436907.5	3762303	2.98E-05	1.02E-04	4.63E-06	1.66E-05	2.49E-06	7.70E-06
5310	436913.5	3762289	2.93E-05	9.98E-05	4.55E-06	1.63E-05	2.45E-06	7.56E-06
5311	436919.5	3762274	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.41E-06
5312	436925.5	3762260	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
5313	436931.5	3762245	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
5314	436937.6	3762230	2.70E-05	9.19E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
5315	436947.8	3762220	2.67E-05	9.12E-05	4.15E-06	1.49E-05	2.24E-06	6.91E-06
5316	436962.4	3762214	2.69E-05	9.18E-05	4.18E-06	1.50E-05	2.25E-06	6.95E-06
5317	436976.9	3762208	2.71E-05	9.23E-05	4.20E-06	1.51E-05	2.26E-06	6.99E-06
5318	436991.5	3762202	2.72E-05	9.27E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
5319	437006	3762196	2.73E-05	9.30E-05	4.24E-06	1.52E-05	2.28E-06	7.05E-06
5320	437020.6	3762190	2.73E-05	9.32E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
5321	437035.1	3762184	2.73E-05	9.32E-05	4.25E-06	1.52E-05	2.29E-06	7.06E-06
5322	437049.7	3762178	2.73E-05	9.31E-05	4.24E-06	1.52E-05	2.28E-06	7.05E-06
5323	437064.2	3762172	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
5324	437078.8	3762165	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
5325	437093.3	3762159	2.70E-05	9.20E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
5326	437107.9	3762153	2.68E-05	9.15E-05	4.17E-06	1.49E-05	2.25E-06	6.93E-06
5327	437122.4	3762147	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
5328	437137	3762141	2.64E-05	9.01E-05	4.10E-06	1.47E-05	2.21E-06	6.83E-06
5329	437151.5	3762135	2.62E-05	8.92E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
5330	437166	3762129	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
5331	437180.6	3762123	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
5332	437195.1	3762117	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
5333	437209.7	3762111	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
5334	437224.2	3762105	2.48E-05	8.45E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
5335	437238.8	3762099	2.45E-05	8.35E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
5336	437253.3	3762093	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
5337	436754	3762683	4.08E-05	1.39E-04	6.34E-06	2.27E-05	3.41E-06	1.05E-05
5338	436754	3762699	4.13E-05	1.41E-04	6.41E-06	2.30E-05	3.46E-06	1.07E-05
5339	436717	3762668	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.06E-06	9.45E-06
5340	436723	3762653	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.07E-06	9.47E-06
5341	436729	3762638	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.06E-06	9.46E-06
5342	436735	3762624	3.65E-05	1.24E-04	5.67E-06	2.03E-05	3.05E-06	9.43E-06
5343	436741	3762609	3.63E-05	1.24E-04	5.64E-06	2.02E-05	3.04E-06	9.38E-06
5344	436747	3762595	3.61E-05	1.23E-04	5.60E-06	2.01E-05	3.02E-06	9.32E-06
5345	436753	3762580	3.58E-05	1.22E-04	5.56E-06	1.99E-05	3.00E-06	9.25E-06
5346	436759	3762566	3.55E-05	1.21E-04	5.51E-06	1.98E-05	2.97E-06	9.16E-06
5347	436765	3762551	3.51E-05	1.20E-04	5.45E-06	1.96E-05	2.94E-06	9.07E-06
5348	436771.1	3762537	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.91E-06	8.97E-06
5349	436777.1	3762522	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
5350	436783.1	3762508	3.39E-05	1.15E-04	5.26E-06	1.89E-05	2.83E-06	8.75E-06
5351	436789.1	3762493	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.80E-06	8.64E-06
5352	436795.1	3762479	3.30E-05	1.12E-04	5.12E-06	1.84E-05	2.76E-06	8.52E-06

5353	436801.1	3762464	3.25E-05	1.11E-04	5.06E-06	1.81E-05	2.72E-06	8.41E-06
5354	436807.1	3762449	3.21E-05	1.10E-04	4.99E-06	1.79E-05	2.69E-06	8.30E-06
5355	436831.1	3762391	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5356	436837.1	3762377	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.51E-06	7.74E-06
5357	436843.1	3762362	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.60E-06
5358	436849.2	3762348	2.90E-05	9.88E-05	4.50E-06	1.61E-05	2.42E-06	7.49E-06
5359	436855.2	3762333	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
5360	436861.2	3762319	2.81E-05	9.58E-05	4.36E-06	1.56E-05	2.35E-06	7.26E-06
5361	436867.2	3762304	2.77E-05	9.44E-05	4.30E-06	1.54E-05	2.32E-06	7.15E-06
5362	436873.2	3762289	2.73E-05	9.30E-05	4.24E-06	1.52E-05	2.28E-06	7.04E-06
5363	436879.2	3762275	2.68E-05	9.15E-05	4.17E-06	1.49E-05	2.25E-06	6.93E-06
5364	436885.2	3762260	2.64E-05	8.99E-05	4.10E-06	1.47E-05	2.21E-06	6.81E-06
5365	436891.2	3762246	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.69E-06
5366	436897.2	3762231	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
5367	436903.2	3762217	2.49E-05	8.49E-05	3.87E-06	1.39E-05	2.08E-06	6.43E-06
5368	436909.2	3762202	2.44E-05	8.30E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
5369	436919.5	3762192	2.42E-05	8.24E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
5370	436934	3762186	2.43E-05	8.29E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
5371	436948.5	3762180	2.45E-05	8.34E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
5372	436963	3762174	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
5373	436977.6	3762168	2.46E-05	8.40E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
5374	436992.1	3762162	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
5375	437006.6	3762156	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
5376	437021.1	3762149	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
5377	437122.8	3762107	2.39E-05	8.16E-05	3.72E-06	1.33E-05	2.00E-06	6.18E-06
5378	437137.3	3762101	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
5379	437151.8	3762095	2.35E-05	8.02E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
5380	437166.3	3762089	2.33E-05	7.93E-05	3.61E-06	1.30E-05	1.95E-06	6.01E-06
5381	436714	3762683	3.68E-05	1.25E-04	5.71E-06	2.05E-05	3.08E-06	9.50E-06
5382	436714	3762699	3.72E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.60E-06
5383	436677	3762668	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.58E-06
5384	436683	3762653	3.33E-05	1.13E-04	5.17E-06	1.85E-05	2.79E-06	8.60E-06
5385	436689	3762639	3.33E-05	1.13E-04	5.17E-06	1.85E-05	2.79E-06	8.60E-06
5386	436695	3762624	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.58E-06
5387	436701	3762610	3.31E-05	1.13E-04	5.14E-06	1.84E-05	2.77E-06	8.55E-06
5388	436707	3762595	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.75E-06	8.50E-06
5389	436713	3762580	3.27E-05	1.11E-04	5.08E-06	1.82E-05	2.73E-06	8.44E-06
5390	436719	3762566	3.24E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.37E-06
5391	436725	3762551	3.21E-05	1.09E-04	4.99E-06	1.79E-05	2.69E-06	8.29E-06
5392	436731	3762537	3.18E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.21E-06
5393	436737	3762522	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
5394	436743	3762508	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
5395	436749	3762493	3.07E-05	1.05E-04	4.77E-06	1.71E-05	2.57E-06	7.93E-06
5396	436754.9	3762479	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5397	436760.9	3762464	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
5398	436766.9	3762450	2.95E-05	1.01E-04	4.59E-06	1.65E-05	2.47E-06	7.63E-06
5399	436772.9	3762435	2.92E-05	9.95E-05	4.53E-06	1.63E-05	2.44E-06	7.54E-06
5400	436778.9	3762421	2.88E-05	9.83E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
5401	436802.9	3762363	2.74E-05	9.35E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
5402	436808.9	3762348	2.70E-05	9.21E-05	4.20E-06	1.51E-05	2.26E-06	6.98E-06
5403	436814.9	3762334	2.66E-05	9.07E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
5404	436820.9	3762319	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06

5405	436826.9	3762305	2.59E-05	8.82E-05	4.02E-06	1.44E-05	2.17E-06	6.68E-06
5406	436832.9	3762290	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.59E-06
5407	436838.9	3762276	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
5408	436844.9	3762261	2.47E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.39E-06
5409	436850.9	3762247	2.44E-05	8.31E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
5410	436856.9	3762232	2.39E-05	8.16E-05	3.72E-06	1.33E-05	2.00E-06	6.19E-06
5411	436862.9	3762218	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
5412	436868.9	3762203	2.30E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
5413	436874.9	3762188	2.26E-05	7.70E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
5414	436880.9	3762174	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
5415	436891.1	3762164	2.20E-05	7.50E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
5416	436905.6	3762158	2.22E-05	7.56E-05	3.45E-06	1.24E-05	1.86E-06	5.73E-06
5417	436920.1	3762152	2.23E-05	7.62E-05	3.47E-06	1.24E-05	1.87E-06	5.77E-06
5418	436934.6	3762146	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
5419	436949.1	3762139	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
5420	436963.6	3762133	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
5421	436978.1	3762127	2.25E-05	7.67E-05	3.50E-06	1.25E-05	1.88E-06	5.81E-06
5422	436992.6	3762121	2.25E-05	7.67E-05	3.50E-06	1.25E-05	1.88E-06	5.81E-06
5423	437007.1	3762115	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
5424	437021.6	3762109	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
5425	437340.5	3761976	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
5426	437355	3761970	1.86E-05	6.35E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
5427	437369.5	3761964	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06
5428	436674	3762683	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.61E-06
5429	436674	3762699	3.36E-05	1.15E-04	5.23E-06	1.87E-05	2.82E-06	8.69E-06
5430	436637	3762667	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5431	436643.1	3762653	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5432	436649.2	3762638	3.04E-05	1.04E-04	4.73E-06	1.69E-05	2.55E-06	7.86E-06
5433	436655.2	3762623	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5434	436661.3	3762609	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.53E-06	7.82E-06
5435	436667.4	3762594	3.01E-05	1.03E-04	4.68E-06	1.68E-05	2.52E-06	7.79E-06
5436	436673.4	3762579	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.51E-06	7.74E-06
5437	436679.5	3762565	2.97E-05	1.01E-04	4.62E-06	1.66E-05	2.49E-06	7.68E-06
5438	436685.6	3762550	2.95E-05	1.00E-04	4.58E-06	1.64E-05	2.47E-06	7.61E-06
5439	436691.7	3762535	2.92E-05	9.95E-05	4.53E-06	1.63E-05	2.44E-06	7.54E-06
5440	436697.7	3762521	2.89E-05	9.84E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
5441	436703.8	3762506	2.85E-05	9.73E-05	4.44E-06	1.59E-05	2.39E-06	7.38E-06
5442	436709.9	3762491	2.82E-05	9.62E-05	4.38E-06	1.57E-05	2.36E-06	7.29E-06
5443	436728.1	3762447	2.72E-05	9.27E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
5444	436734.1	3762432	2.69E-05	9.16E-05	4.17E-06	1.50E-05	2.25E-06	6.94E-06
5445	436740.2	3762418	2.65E-05	9.05E-05	4.12E-06	1.48E-05	2.22E-06	6.86E-06
5446	436746.3	3762403	2.63E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
5447	436752.4	3762388	2.59E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.70E-06
5448	436758.4	3762374	2.56E-05	8.75E-05	3.98E-06	1.43E-05	2.15E-06	6.63E-06
5449	436782.7	3762315	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
5450	436788.8	3762300	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.02E-06	6.22E-06
5451	436794.8	3762285	2.38E-05	8.11E-05	3.70E-06	1.32E-05	1.99E-06	6.14E-06
5452	436800.9	3762271	2.35E-05	8.00E-05	3.65E-06	1.31E-05	1.96E-06	6.06E-06
5453	436807	3762256	2.31E-05	7.89E-05	3.59E-06	1.29E-05	1.94E-06	5.98E-06
5454	436813.1	3762241	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
5455	436819.1	3762227	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
5456	436825.2	3762212	2.20E-05	7.52E-05	3.43E-06	1.23E-05	1.85E-06	5.70E-06

5457	436831.3	3762197	2.17E-05	7.38E-05	3.36E-06	1.21E-05	1.81E-06	5.59E-06
5458	436837.3	3762183	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
5459	436843.4	3762168	2.09E-05	7.12E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
5460	436849.5	3762153	2.05E-05	6.99E-05	3.19E-06	1.14E-05	1.72E-06	5.30E-06
5461	436862.9	3762135	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
5462	436877.6	3762129	2.04E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
5463	436892.2	3762123	2.05E-05	6.99E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
5464	436906.9	3762117	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
5465	436921.6	3762111	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5466	436936.2	3762105	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5467	436950.9	3762099	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.35E-06
5468	436965.6	3762093	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5469	437244.4	3761976	1.81E-05	6.16E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
5470	437259	3761970	1.79E-05	6.10E-05	2.78E-06	9.96E-06	1.50E-06	4.62E-06
5471	437273.7	3761964	1.77E-05	6.04E-05	2.75E-06	9.87E-06	1.48E-06	4.58E-06
5472	437288.4	3761958	1.76E-05	5.99E-05	2.73E-06	9.79E-06	1.47E-06	4.54E-06
5473	437303	3761952	1.74E-05	5.95E-05	2.71E-06	9.71E-06	1.46E-06	4.51E-06
5474	437317.7	3761945	1.73E-05	5.91E-05	2.69E-06	9.65E-06	1.45E-06	4.48E-06
5475	437332.4	3761939	1.72E-05	5.87E-05	2.68E-06	9.59E-06	1.44E-06	4.45E-06
5476	437347.1	3761933	1.71E-05	5.84E-05	2.66E-06	9.54E-06	1.43E-06	4.43E-06
5477	437361.7	3761927	1.70E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
5478	436634	3762683	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5479	436634	3762699	3.06E-05	1.04E-04	4.76E-06	1.71E-05	2.56E-06	7.91E-06
5480	436597	3762668	2.78E-05	9.47E-05	4.32E-06	1.55E-05	2.32E-06	7.18E-06
5481	436603.1	3762653	2.79E-05	9.50E-05	4.33E-06	1.55E-05	2.33E-06	7.20E-06
5482	436609.1	3762638	2.79E-05	9.51E-05	4.34E-06	1.55E-05	2.34E-06	7.21E-06
5483	436615.2	3762624	2.79E-05	9.51E-05	4.33E-06	1.55E-05	2.33E-06	7.21E-06
5484	436621.2	3762609	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
5485	436627.3	3762594	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
5486	436633.4	3762580	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
5487	436639.4	3762565	2.74E-05	9.34E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
5488	436645.5	3762550	2.72E-05	9.27E-05	4.22E-06	1.51E-05	2.28E-06	7.02E-06
5489	436651.5	3762536	2.70E-05	9.19E-05	4.19E-06	1.50E-05	2.26E-06	6.96E-06
5490	436657.6	3762521	2.67E-05	9.10E-05	4.15E-06	1.49E-05	2.23E-06	6.90E-06
5491	436663.7	3762506	2.64E-05	9.01E-05	4.10E-06	1.47E-05	2.21E-06	6.83E-06
5492	436669.7	3762492	2.61E-05	8.91E-05	4.06E-06	1.46E-05	2.19E-06	6.75E-06
5493	436687.9	3762448	2.52E-05	8.60E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
5494	436693.9	3762433	2.49E-05	8.49E-05	3.87E-06	1.39E-05	2.08E-06	6.44E-06
5495	436700	3762418	2.46E-05	8.39E-05	3.82E-06	1.37E-05	2.06E-06	6.36E-06
5496	436706.1	3762404	2.44E-05	8.30E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
5497	436712.1	3762389	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.02E-06	6.22E-06
5498	436736.3	3762330	2.30E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
5499	436742.4	3762316	2.28E-05	7.76E-05	3.54E-06	1.27E-05	1.91E-06	5.88E-06
5500	436748.5	3762301	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
5501	436790.9	3762198	2.06E-05	7.01E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
5502	436796.9	3762184	2.02E-05	6.90E-05	3.14E-06	1.13E-05	1.69E-06	5.23E-06
5503	436803	3762169	1.99E-05	6.79E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
5504	436809	3762154	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
5505	436815.1	3762140	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
5506	436821.2	3762125	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
5507	436834.5	3762107	1.87E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
5508	436849.2	3762101	1.88E-05	6.40E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06

5509	437142	3761979	1.77E-05	6.03E-05	2.75E-06	9.85E-06	1.48E-06	4.57E-06
5510	437156.6	3761973	1.75E-05	5.98E-05	2.72E-06	9.76E-06	1.47E-06	4.53E-06
5511	437171.3	3761967	1.74E-05	5.92E-05	2.70E-06	9.67E-06	1.45E-06	4.48E-06
5512	437185.9	3761960	1.72E-05	5.86E-05	2.67E-06	9.57E-06	1.44E-06	4.44E-06
5513	437200.6	3761954	1.70E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
5514	437215.2	3761948	1.69E-05	5.75E-05	2.62E-06	9.40E-06	1.41E-06	4.36E-06
5515	437229.9	3761942	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
5516	437244.5	3761936	1.66E-05	5.64E-05	2.57E-06	9.22E-06	1.39E-06	4.28E-06
5517	437259.1	3761930	1.64E-05	5.60E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
5518	437273.8	3761924	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
5519	437288.4	3761918	1.62E-05	5.51E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
5520	437303.1	3761912	1.61E-05	5.48E-05	2.49E-06	8.94E-06	1.34E-06	4.15E-06
5521	437317.7	3761905	1.60E-05	5.45E-05	2.48E-06	8.90E-06	1.34E-06	4.13E-06
5522	437332.3	3761899	1.59E-05	5.42E-05	2.47E-06	8.85E-06	1.33E-06	4.11E-06
5523	437347	3761893	1.58E-05	5.39E-05	2.46E-06	8.81E-06	1.32E-06	4.09E-06
5524	436594	3762683	2.78E-05	9.49E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
5525	436594	3762699	2.80E-05	9.55E-05	4.35E-06	1.56E-05	2.34E-06	7.24E-06
5526	436575.1	3762624	2.57E-05	8.77E-05	4.00E-06	1.43E-05	2.15E-06	6.65E-06
5527	436581.2	3762609	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
5528	436587.2	3762594	2.56E-05	8.73E-05	3.98E-06	1.43E-05	2.14E-06	6.61E-06
5529	436593.3	3762580	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
5530	436599.3	3762565	2.53E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.54E-06
5531	436605.4	3762550	2.52E-05	8.58E-05	3.91E-06	1.40E-05	2.11E-06	6.50E-06
5532	436611.4	3762536	2.50E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
5533	436617.5	3762521	2.47E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.39E-06
5534	436623.5	3762507	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
5535	436629.6	3762492	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
5536	436647.7	3762448	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
5537	436653.8	3762433	2.32E-05	7.91E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
5538	436659.8	3762419	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.93E-06
5539	436665.8	3762404	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.87E-06
5540	436671.9	3762389	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
5541	436690	3762345	2.18E-05	7.43E-05	3.39E-06	1.21E-05	1.82E-06	5.63E-06
5542	436696.1	3762331	2.16E-05	7.35E-05	3.35E-06	1.20E-05	1.80E-06	5.57E-06
5543	436702.1	3762316	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
5544	436708.2	3762302	2.11E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
5545	436714.2	3762287	2.08E-05	7.10E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
5546	436720.3	3762272	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
5547	436726.3	3762258	2.04E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
5548	436732.4	3762243	2.01E-05	6.86E-05	3.12E-06	1.12E-05	1.68E-06	5.20E-06
5549	436738.4	3762228	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.66E-06	5.14E-06
5550	436744.5	3762214	1.97E-05	6.70E-05	3.05E-06	1.09E-05	1.65E-06	5.08E-06
5551	437054.6	3761975	1.71E-05	5.82E-05	2.65E-06	9.51E-06	1.43E-06	4.41E-06
5552	437069.2	3761969	1.70E-05	5.79E-05	2.64E-06	9.46E-06	1.42E-06	4.39E-06
5553	437083.9	3761963	1.68E-05	5.74E-05	2.62E-06	9.38E-06	1.41E-06	4.35E-06
5554	437098.5	3761957	1.67E-05	5.69E-05	2.59E-06	9.30E-06	1.40E-06	4.31E-06
5555	437113.1	3761951	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
5556	437127.7	3761945	1.64E-05	5.59E-05	2.55E-06	9.13E-06	1.37E-06	4.23E-06
5557	437142.3	3761939	1.62E-05	5.54E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
5558	437156.9	3761932	1.61E-05	5.48E-05	2.50E-06	8.96E-06	1.35E-06	4.16E-06
5559	437171.5	3761926	1.59E-05	5.43E-05	2.48E-06	8.88E-06	1.33E-06	4.12E-06
5560	437186.2	3761920	1.58E-05	5.38E-05	2.45E-06	8.80E-06	1.32E-06	4.08E-06

5561	437200.8	3761914	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
5562	437215.4	3761908	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
5563	437230	3761902	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
5564	437244.6	3761896	1.52E-05	5.20E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
5565	437259.2	3761890	1.51E-05	5.16E-05	2.35E-06	8.43E-06	1.27E-06	3.91E-06
5566	436517	3762668	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
5567	436523	3762653	2.38E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
5568	436529.1	3762638	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
5569	436535.1	3762624	2.38E-05	8.13E-05	3.70E-06	1.33E-05	2.00E-06	6.16E-06
5570	436541.1	3762609	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
5571	436547.2	3762594	2.38E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
5572	436577.4	3762521	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
5573	436583.4	3762507	2.29E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
5574	436589.4	3762492	2.26E-05	7.72E-05	3.52E-06	1.26E-05	1.90E-06	5.85E-06
5575	436595.5	3762478	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
5576	436607.6	3762448	2.20E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
5577	436613.6	3762434	2.17E-05	7.41E-05	3.38E-06	1.21E-05	1.82E-06	5.61E-06
5578	436619.6	3762419	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
5579	436625.7	3762405	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
5580	436631.7	3762390	2.10E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
5581	436649.8	3762346	2.04E-05	6.95E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
5582	436655.8	3762331	2.02E-05	6.88E-05	3.13E-06	1.12E-05	1.69E-06	5.21E-06
5583	436661.9	3762317	2.00E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
5584	436667.9	3762302	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.65E-06	5.11E-06
5585	436674	3762288	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.06E-06
5586	436680	3762273	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
5587	436686	3762258	1.91E-05	6.53E-05	2.97E-06	1.07E-05	1.60E-06	4.95E-06
5588	436692.1	3762244	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
5589	436698.1	3762229	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.83E-06
5590	436704.1	3762215	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06
5591	436710.2	3762200	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06
5592	436952.9	3761978	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
5593	436967.5	3761972	1.62E-05	5.54E-05	2.52E-06	9.05E-06	1.36E-06	4.20E-06
5594	436982.1	3761965	1.62E-05	5.51E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
5595	436996.7	3761959	1.61E-05	5.50E-05	2.50E-06	8.98E-06	1.35E-06	4.16E-06
5596	437011.3	3761953	1.61E-05	5.47E-05	2.49E-06	8.94E-06	1.34E-06	4.15E-06
5597	437025.9	3761947	1.60E-05	5.45E-05	2.48E-06	8.90E-06	1.34E-06	4.13E-06
5598	437040.4	3761941	1.59E-05	5.42E-05	2.47E-06	8.85E-06	1.33E-06	4.11E-06
5599	437055	3761935	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
5600	437069.6	3761929	1.56E-05	5.34E-05	2.43E-06	8.72E-06	1.31E-06	4.04E-06
5601	437084.2	3761923	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
5602	437098.8	3761917	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
5603	437113.4	3761911	1.52E-05	5.20E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
5604	437128	3761905	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.26E-06	3.90E-06
5605	437142.6	3761898	1.50E-05	5.11E-05	2.33E-06	8.34E-06	1.25E-06	3.87E-06
5606	437157.2	3761892	1.48E-05	5.06E-05	2.31E-06	8.27E-06	1.24E-06	3.83E-06
5607	436514	3762683	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.11E-06
5608	436514	3762699	2.38E-05	8.11E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
5609	436477	3762668	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
5610	436483	3762653	2.20E-05	7.52E-05	3.42E-06	1.23E-05	1.84E-06	5.70E-06
5611	436489.1	3762638	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.71E-06
5612	436495.1	3762624	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06

5613	436501.1	3762609	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
5614	436507.1	3762595	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
5615	436513.2	3762580	2.21E-05	7.52E-05	3.43E-06	1.23E-05	1.85E-06	5.70E-06
5616	436519.2	3762565	2.20E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.68E-06
5617	436525.2	3762551	2.19E-05	7.45E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
5618	436531.2	3762536	2.17E-05	7.41E-05	3.38E-06	1.21E-05	1.82E-06	5.61E-06
5619	436537.3	3762522	2.16E-05	7.35E-05	3.35E-06	1.20E-05	1.80E-06	5.57E-06
5620	436543.3	3762507	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
5621	436549.3	3762492	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
5622	436579.5	3762420	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
5623	436585.5	3762405	1.99E-05	6.79E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
5624	436591.5	3762390	1.97E-05	6.73E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06
5625	436603.6	3762361	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
5626	436609.6	3762347	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
5627	436615.6	3762332	1.89E-05	6.46E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
5628	436621.7	3762317	1.87E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
5629	436627.7	3762303	1.86E-05	6.33E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
5630	436633.7	3762288	1.84E-05	6.27E-05	2.86E-06	1.02E-05	1.54E-06	4.75E-06
5631	436639.7	3762274	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
5632	436645.8	3762259	1.80E-05	6.15E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
5633	436651.8	3762244	1.78E-05	6.08E-05	2.77E-06	9.94E-06	1.49E-06	4.61E-06
5634	436657.8	3762230	1.77E-05	6.02E-05	2.74E-06	9.84E-06	1.48E-06	4.56E-06
5635	436663.8	3762215	1.75E-05	5.96E-05	2.72E-06	9.74E-06	1.46E-06	4.52E-06
5636	436669.9	3762201	1.73E-05	5.90E-05	2.69E-06	9.64E-06	1.45E-06	4.47E-06
5637	436675.9	3762186	1.71E-05	5.84E-05	2.66E-06	9.54E-06	1.43E-06	4.43E-06
5638	436681.9	3762171	1.70E-05	5.78E-05	2.63E-06	9.44E-06	1.42E-06	4.38E-06
5639	436730.1	3762055	1.53E-05	5.23E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
5640	436851.5	3761980	1.53E-05	5.21E-05	2.37E-06	8.51E-06	1.28E-06	3.95E-06
5641	436866	3761974	1.53E-05	5.22E-05	2.38E-06	8.53E-06	1.28E-06	3.95E-06
5642	436880.6	3761968	1.53E-05	5.22E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
5643	436895.2	3761962	1.53E-05	5.23E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
5644	436909.7	3761956	1.53E-05	5.22E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
5645	436924.3	3761950	1.53E-05	5.22E-05	2.38E-06	8.52E-06	1.28E-06	3.95E-06
5646	436938.9	3761943	1.52E-05	5.20E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
5647	436953.4	3761937	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.93E-06
5648	436968	3761931	1.51E-05	5.16E-05	2.35E-06	8.43E-06	1.27E-06	3.91E-06
5649	436982.6	3761925	1.51E-05	5.14E-05	2.34E-06	8.39E-06	1.26E-06	3.89E-06
5650	436997.1	3761919	1.50E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
5651	437011.7	3761913	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
5652	437026.3	3761907	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
5653	437040.8	3761901	1.47E-05	5.01E-05	2.28E-06	8.19E-06	1.23E-06	3.80E-06
5654	437055.4	3761895	1.46E-05	4.97E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
5655	437070	3761889	1.45E-05	4.93E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
5656	436474	3762683	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
5657	436474	3762699	2.20E-05	7.51E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
5658	436437	3762668	2.04E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
5659	436443	3762653	2.05E-05	7.00E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
5660	436449	3762638	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
5661	436455.1	3762624	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06
5662	436461.1	3762609	2.07E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5663	436467.1	3762595	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5664	436473.1	3762580	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06

5665	436479.1	3762566	2.05E-05	7.00E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
5666	436485.1	3762551	2.04E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
5667	436491.2	3762536	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
5668	436497.2	3762522	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
5669	436503.2	3762507	2.00E-05	6.83E-05	3.11E-06	1.12E-05	1.68E-06	5.18E-06
5670	436509.2	3762493	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.66E-06	5.13E-06
5671	436515.2	3762478	1.97E-05	6.71E-05	3.06E-06	1.10E-05	1.65E-06	5.08E-06
5672	436521.3	3762464	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
5673	436527.3	3762449	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
5674	436533.3	3762434	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
5675	436539.3	3762420	1.89E-05	6.44E-05	2.94E-06	1.05E-05	1.58E-06	4.88E-06
5676	436545.3	3762405	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.83E-06
5677	436569.4	3762347	1.80E-05	6.13E-05	2.80E-06	1.00E-05	1.51E-06	4.65E-06
5678	436575.4	3762332	1.78E-05	6.07E-05	2.77E-06	9.92E-06	1.49E-06	4.60E-06
5679	436581.4	3762318	1.76E-05	6.02E-05	2.74E-06	9.83E-06	1.48E-06	4.56E-06
5680	436587.5	3762303	1.75E-05	5.96E-05	2.71E-06	9.73E-06	1.46E-06	4.51E-06
5681	436593.5	3762289	1.73E-05	5.91E-05	2.69E-06	9.65E-06	1.45E-06	4.48E-06
5682	436599.5	3762274	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.44E-06
5683	436605.5	3762260	1.70E-05	5.80E-05	2.64E-06	9.48E-06	1.42E-06	4.40E-06
5684	436611.5	3762245	1.69E-05	5.75E-05	2.62E-06	9.39E-06	1.41E-06	4.36E-06
5685	436617.6	3762230	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
5686	436623.6	3762216	1.66E-05	5.65E-05	2.57E-06	9.23E-06	1.39E-06	4.28E-06
5687	436629.6	3762201	1.64E-05	5.60E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
5688	436635.6	3762187	1.62E-05	5.54E-05	2.52E-06	9.05E-06	1.36E-06	4.20E-06
5689	436641.6	3762172	1.61E-05	5.48E-05	2.50E-06	8.96E-06	1.35E-06	4.16E-06
5690	436647.7	3762158	1.59E-05	5.43E-05	2.47E-06	8.87E-06	1.33E-06	4.11E-06
5691	436653.7	3762143	1.58E-05	5.37E-05	2.45E-06	8.78E-06	1.32E-06	4.07E-06
5692	436659.7	3762128	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
5693	436808.4	3761958	1.43E-05	4.87E-05	2.22E-06	7.96E-06	1.20E-06	3.69E-06
5694	436823	3761952	1.43E-05	4.88E-05	2.22E-06	7.97E-06	1.20E-06	3.70E-06
5695	436837.5	3761946	1.43E-05	4.89E-05	2.23E-06	7.98E-06	1.20E-06	3.70E-06
5696	436852.1	3761940	1.44E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
5697	436866.6	3761934	1.44E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
5698	436881.2	3761927	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
5699	436895.7	3761921	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.70E-06
5700	436910.2	3761915	1.43E-05	4.88E-05	2.22E-06	7.97E-06	1.20E-06	3.70E-06
5701	436924.8	3761909	1.43E-05	4.87E-05	2.22E-06	7.95E-06	1.20E-06	3.69E-06
5702	436939.3	3761903	1.42E-05	4.85E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
5703	436953.9	3761897	1.42E-05	4.83E-05	2.20E-06	7.89E-06	1.19E-06	3.66E-06
5704	436968.4	3761891	1.41E-05	4.80E-05	2.19E-06	7.85E-06	1.18E-06	3.64E-06
5705	436983	3761885	1.40E-05	4.77E-05	2.18E-06	7.80E-06	1.17E-06	3.62E-06
5706	436434	3762683	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.28E-06
5707	436434	3762699	2.05E-05	6.99E-05	3.18E-06	1.14E-05	1.72E-06	5.30E-06
5708	436397	3762667	1.91E-05	6.51E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
5709	436403.1	3762653	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
5710	436409.2	3762638	1.93E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
5711	436415.2	3762623	1.93E-05	6.58E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
5712	436421.3	3762609	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
5713	436427.4	3762594	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
5714	436433.5	3762579	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
5715	436439.5	3762565	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
5716	436445.6	3762550	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06

5717	436451.7	3762535	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
5718	436457.8	3762520	1.89E-05	6.46E-05	2.94E-06	1.06E-05	1.59E-06	4.90E-06
5719	436463.8	3762506	1.88E-05	6.42E-05	2.92E-06	1.05E-05	1.57E-06	4.86E-06
5720	436469.9	3762491	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.83E-06
5721	436476	3762476	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
5722	436482.1	3762462	1.83E-05	6.25E-05	2.85E-06	1.02E-05	1.54E-06	4.74E-06
5723	436488.1	3762447	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
5724	436494.2	3762432	1.80E-05	6.13E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
5725	436500.3	3762418	1.78E-05	6.06E-05	2.76E-06	9.90E-06	1.49E-06	4.59E-06
5726	436506.3	3762403	1.76E-05	6.00E-05	2.74E-06	9.81E-06	1.47E-06	4.55E-06
5727	436512.4	3762388	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
5728	436518.5	3762373	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
5729	436530.6	3762344	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.37E-06
5730	436536.7	3762329	1.68E-05	5.72E-05	2.60E-06	9.34E-06	1.40E-06	4.33E-06
5731	436542.8	3762315	1.66E-05	5.67E-05	2.58E-06	9.26E-06	1.39E-06	4.29E-06
5732	436548.9	3762300	1.65E-05	5.62E-05	2.56E-06	9.17E-06	1.38E-06	4.26E-06
5733	436554.9	3762285	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
5734	436561	3762271	1.62E-05	5.52E-05	2.52E-06	9.02E-06	1.36E-06	4.18E-06
5735	436567.1	3762256	1.61E-05	5.48E-05	2.50E-06	8.95E-06	1.34E-06	4.15E-06
5736	436573.2	3762241	1.59E-05	5.44E-05	2.48E-06	8.88E-06	1.33E-06	4.12E-06
5737	436579.2	3762226	1.58E-05	5.39E-05	2.46E-06	8.81E-06	1.32E-06	4.09E-06
5738	436585.3	3762212	1.57E-05	5.35E-05	2.44E-06	8.73E-06	1.31E-06	4.05E-06
5739	436591.4	3762197	1.55E-05	5.30E-05	2.41E-06	8.65E-06	1.30E-06	4.01E-06
5740	436597.5	3762182	1.54E-05	5.25E-05	2.39E-06	8.57E-06	1.29E-06	3.98E-06
5741	436603.5	3762168	1.52E-05	5.19E-05	2.37E-06	8.48E-06	1.27E-06	3.93E-06
5742	436609.6	3762153	1.51E-05	5.14E-05	2.34E-06	8.39E-06	1.26E-06	3.89E-06
5743	436615.7	3762138	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
5744	436621.7	3762123	1.48E-05	5.04E-05	2.30E-06	8.24E-06	1.24E-06	3.82E-06
5745	436676.4	3761991	1.34E-05	4.56E-05	2.08E-06	7.46E-06	1.12E-06	3.46E-06
5746	436682.5	3761976	1.32E-05	4.49E-05	2.05E-06	7.34E-06	1.10E-06	3.40E-06
5747	436692.9	3761966	1.31E-05	4.47E-05	2.04E-06	7.30E-06	1.10E-06	3.39E-06
5748	436707.5	3761960	1.32E-05	4.50E-05	2.05E-06	7.34E-06	1.10E-06	3.41E-06
5749	436722.2	3761954	1.32E-05	4.51E-05	2.06E-06	7.37E-06	1.11E-06	3.42E-06
5750	436795.6	3761923	1.34E-05	4.58E-05	2.09E-06	7.48E-06	1.12E-06	3.47E-06
5751	436810.3	3761917	1.35E-05	4.59E-05	2.09E-06	7.49E-06	1.13E-06	3.48E-06
5752	436825	3761911	1.35E-05	4.59E-05	2.09E-06	7.51E-06	1.13E-06	3.48E-06
5753	436839.7	3761905	1.35E-05	4.60E-05	2.09E-06	7.51E-06	1.13E-06	3.48E-06
5754	436854.3	3761899	1.35E-05	4.59E-05	2.09E-06	7.51E-06	1.13E-06	3.48E-06
5755	436869	3761892	1.35E-05	4.59E-05	2.09E-06	7.50E-06	1.13E-06	3.48E-06
5756	436883.7	3761886	1.34E-05	4.58E-05	2.09E-06	7.49E-06	1.12E-06	3.47E-06
5757	436898.4	3761880	1.34E-05	4.58E-05	2.08E-06	7.47E-06	1.12E-06	3.47E-06
5758	436913.1	3761874	1.34E-05	4.57E-05	2.08E-06	7.47E-06	1.12E-06	3.46E-06
5759	436927.7	3761868	1.34E-05	4.55E-05	2.07E-06	7.44E-06	1.12E-06	3.45E-06
5760	436942.4	3761862	1.33E-05	4.53E-05	2.06E-06	7.40E-06	1.11E-06	3.43E-06
5761	436394	3762683	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.92E-06
5762	436394	3762699	1.91E-05	6.52E-05	2.97E-06	1.06E-05	1.60E-06	4.94E-06
5763	437371.1	3762659	8.51E-04	2.90E-03	1.32E-04	4.74E-04	7.12E-05	2.20E-04
5764	437363	3762579	3.16E-04	1.08E-03	4.91E-05	1.76E-04	2.64E-05	8.16E-05
5765	437362.9	3762559	2.62E-04	8.95E-04	4.08E-05	1.46E-04	2.20E-05	6.78E-05
5766	437362.8	3762539	2.21E-04	7.54E-04	3.43E-05	1.23E-04	1.85E-05	5.71E-05
5767	437385.3	3762519	1.97E-04	6.72E-04	3.06E-05	1.10E-04	1.65E-05	5.09E-05
5768	437362.7	3762519	1.88E-04	6.42E-04	2.92E-05	1.05E-04	1.57E-05	4.86E-05

5769	437385.2	3762499	1.69E-04	5.75E-04	2.62E-05	9.39E-05	1.41E-05	4.36E-05
5770	437362.5	3762499	1.62E-04	5.52E-04	2.51E-05	9.01E-05	1.35E-05	4.18E-05
5771	437385.1	3762479	1.46E-04	4.97E-04	2.26E-05	8.11E-05	1.22E-05	3.76E-05
5772	437362.4	3762479	1.40E-04	4.79E-04	2.18E-05	7.83E-05	1.18E-05	3.63E-05
5773	437384.9	3762459	1.27E-04	4.33E-04	1.97E-05	7.07E-05	1.06E-05	3.28E-05
5774	437362.3	3762459	1.23E-04	4.19E-04	1.91E-05	6.84E-05	1.03E-05	3.17E-05
5775	437384.8	3762439	1.12E-04	3.80E-04	1.73E-05	6.21E-05	9.34E-06	2.88E-05
5776	437362.2	3762439	1.08E-04	3.69E-04	1.68E-05	6.03E-05	9.06E-06	2.80E-05
5777	437369.6	3762419	9.69E-05	3.30E-04	1.51E-05	5.40E-05	8.11E-06	2.50E-05
5778	437369.5	3762399	8.64E-05	2.95E-04	1.34E-05	4.81E-05	7.23E-06	2.23E-05
5779	437384.4	3762369	7.47E-05	2.55E-04	1.16E-05	4.16E-05	6.25E-06	1.93E-05
5780	437369.3	3762369	7.35E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
5781	437384.2	3762339	6.42E-05	2.19E-04	9.97E-06	3.57E-05	5.37E-06	1.66E-05
5782	437369.1	3762339	6.33E-05	2.16E-04	9.84E-06	3.53E-05	5.30E-06	1.64E-05
5783	437384	3762309	5.58E-05	1.90E-04	8.66E-06	3.11E-05	4.67E-06	1.44E-05
5784	437368.9	3762309	5.51E-05	1.88E-04	8.56E-06	3.07E-05	4.61E-06	1.42E-05
5785	437383.8	3762279	4.89E-05	1.67E-04	7.60E-06	2.73E-05	4.10E-06	1.26E-05
5786	437368.7	3762279	4.84E-05	1.65E-04	7.51E-06	2.69E-05	4.05E-06	1.25E-05
5787	437383.6	3762249	4.33E-05	1.48E-04	6.73E-06	2.41E-05	3.63E-06	1.12E-05
5788	437368.5	3762249	4.28E-05	1.46E-04	6.66E-06	2.39E-05	3.59E-06	1.11E-05
5789	437383.4	3762219	3.86E-05	1.32E-04	6.01E-06	2.15E-05	3.23E-06	9.99E-06
5790	437368.3	3762219	3.82E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.88E-06
5791	437383.2	3762189	3.47E-05	1.18E-04	5.40E-06	1.94E-05	2.91E-06	8.98E-06
5792	437368.1	3762189	3.44E-05	1.17E-04	5.34E-06	1.92E-05	2.88E-06	8.89E-06
5793	437383	3762159	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
5794	437368	3762159	3.11E-05	1.06E-04	4.84E-06	1.73E-05	2.61E-06	8.04E-06
5795	437382.9	3762129	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.40E-06	7.39E-06
5796	437367.8	3762129	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
5797	437382.7	3762099	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
5798	437367.6	3762099	2.60E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.71E-06
5799	437374.4	3761979	1.92E-05	6.55E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
5800	437359.3	3761979	1.90E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
5801	437359	3761939	1.74E-05	5.95E-05	2.71E-06	9.71E-06	1.46E-06	4.51E-06
5802	437358.8	3761899	1.61E-05	5.49E-05	2.50E-06	8.96E-06	1.35E-06	4.16E-06
5803	437353.8	3762709	1.70E-03	5.81E-03	2.65E-04	9.49E-04	1.43E-04	4.40E-04
5804	437353.8	3762718	2.05E-03	6.99E-03	3.18E-04	1.14E-03	1.72E-04	5.30E-04
5805	437353.8	3762728	2.46E-03	8.38E-03	3.82E-04	1.37E-03	2.06E-04	6.35E-04
5806	437353.8	3762738	2.86E-03	9.75E-03	4.44E-04	1.59E-03	2.39E-04	7.39E-04
5807	437353.8	3762747	3.19E-03	1.09E-02	4.96E-04	1.78E-03	2.67E-04	8.25E-04
5808	437353.8	3762757	3.42E-03	1.17E-02	5.32E-04	1.91E-03	2.86E-04	8.84E-04
5809	437353.8	3762767	3.57E-03	1.22E-02	5.55E-04	1.99E-03	2.99E-04	9.24E-04
5810	437353.8	3762776	3.67E-03	1.25E-02	5.70E-04	2.04E-03	3.07E-04	9.48E-04
5811	437353.8	3762786	3.69E-03	1.26E-02	5.74E-04	2.06E-03	3.09E-04	9.54E-04
5812	437353.8	3762796	3.66E-03	1.25E-02	5.69E-04	2.04E-03	3.06E-04	9.46E-04
5813	437353.8	3762806	3.59E-03	1.22E-02	5.58E-04	2.00E-03	3.00E-04	9.28E-04
5814	437353.8	3762815	3.47E-03	1.18E-02	5.40E-04	1.93E-03	2.91E-04	8.97E-04
5815	437353.8	3762825	3.30E-03	1.13E-02	5.13E-04	1.84E-03	2.76E-04	8.53E-04
5816	437353.8	3762835	3.08E-03	1.05E-02	4.78E-04	1.71E-03	2.58E-04	7.95E-04
5817	437353.8	3762844	2.80E-03	9.55E-03	4.35E-04	1.56E-03	2.34E-04	7.23E-04
5818	437353.8	3762854	2.46E-03	8.40E-03	3.83E-04	1.37E-03	2.06E-04	6.37E-04
5819	437343.8	3762709	1.44E-03	4.91E-03	2.24E-04	8.02E-04	1.20E-04	3.72E-04
5820	437343.8	3762718	1.68E-03	5.72E-03	2.61E-04	9.35E-04	1.41E-04	4.34E-04

5821	437343.8	3762728	1.95E-03	6.64E-03	3.02E-04	1.08E-03	1.63E-04	5.03E-04
5822	437343.8	3762738	2.21E-03	7.52E-03	3.43E-04	1.23E-03	1.85E-04	5.70E-04
5823	437343.8	3762747	2.43E-03	8.28E-03	3.77E-04	1.35E-03	2.03E-04	6.27E-04
5824	437343.8	3762757	2.59E-03	8.82E-03	4.02E-04	1.44E-03	2.17E-04	6.69E-04
5825	437343.8	3762767	2.70E-03	9.19E-03	4.19E-04	1.50E-03	2.26E-04	6.97E-04
5826	437343.8	3762776	2.76E-03	9.42E-03	4.29E-04	1.54E-03	2.31E-04	7.14E-04
5827	437343.8	3762786	2.78E-03	9.49E-03	4.32E-04	1.55E-03	2.33E-04	7.19E-04
5828	437343.8	3762796	2.76E-03	9.42E-03	4.29E-04	1.54E-03	2.31E-04	7.14E-04
5829	437343.8	3762806	2.71E-03	9.24E-03	4.21E-04	1.51E-03	2.27E-04	7.00E-04
5830	437343.8	3762815	2.62E-03	8.92E-03	4.07E-04	1.46E-03	2.19E-04	6.76E-04
5831	437343.8	3762825	2.49E-03	8.49E-03	3.87E-04	1.39E-03	2.08E-04	6.43E-04
5832	437343.8	3762835	2.32E-03	7.92E-03	3.61E-04	1.29E-03	1.94E-04	6.00E-04
5833	437343.8	3762844	2.13E-03	7.26E-03	3.31E-04	1.19E-03	1.78E-04	5.50E-04
5834	437343.8	3762854	1.91E-03	6.52E-03	2.97E-04	1.06E-03	1.60E-04	4.94E-04
5835	437313.8	3762718	1.01E-03	3.44E-03	1.57E-04	5.62E-04	8.45E-05	2.61E-04
5836	437313.8	3762728	1.10E-03	3.77E-03	1.72E-04	6.15E-04	9.25E-05	2.85E-04
5837	437313.8	3762738	1.20E-03	4.08E-03	1.86E-04	6.66E-04	1.00E-04	3.09E-04
5838	437313.8	3762747	1.28E-03	4.36E-03	1.99E-04	7.12E-04	1.07E-04	3.30E-04
5839	437313.8	3762757	1.34E-03	4.59E-03	2.09E-04	7.49E-04	1.13E-04	3.47E-04
5840	437313.8	3762767	1.39E-03	4.75E-03	2.17E-04	7.77E-04	1.17E-04	3.60E-04
5841	437313.8	3762776	1.43E-03	4.87E-03	2.22E-04	7.95E-04	1.19E-04	3.69E-04
5842	437313.8	3762786	1.44E-03	4.92E-03	2.24E-04	8.03E-04	1.21E-04	3.73E-04
5843	437313.8	3762796	1.44E-03	4.91E-03	2.24E-04	8.02E-04	1.21E-04	3.72E-04
5844	437313.8	3762806	1.42E-03	4.85E-03	2.21E-04	7.92E-04	1.19E-04	3.67E-04
5845	437313.8	3762815	1.39E-03	4.73E-03	2.15E-04	7.72E-04	1.16E-04	3.58E-04
5846	437313.8	3762825	1.33E-03	4.54E-03	2.07E-04	7.42E-04	1.12E-04	3.44E-04
5847	437313.8	3762835	1.26E-03	4.31E-03	1.96E-04	7.04E-04	1.06E-04	3.27E-04
5848	437303.8	3762718	8.78E-04	2.99E-03	1.36E-04	4.89E-04	7.35E-05	2.27E-04
5849	437303.8	3762728	9.51E-04	3.24E-03	1.48E-04	5.30E-04	7.96E-05	2.46E-04
5850	437303.8	3762738	1.02E-03	3.48E-03	1.59E-04	5.68E-04	8.54E-05	2.64E-04
5851	437303.8	3762747	1.08E-03	3.69E-03	1.68E-04	6.03E-04	9.07E-05	2.80E-04
5852	437303.8	3762757	1.13E-03	3.87E-03	1.76E-04	6.32E-04	9.50E-05	2.93E-04
5853	437303.8	3762767	1.17E-03	4.00E-03	1.82E-04	6.54E-04	9.82E-05	3.03E-04
5854	437303.8	3762776	1.20E-03	4.09E-03	1.86E-04	6.68E-04	1.00E-04	3.10E-04
5855	437303.8	3762786	1.21E-03	4.13E-03	1.88E-04	6.75E-04	1.01E-04	3.13E-04
5856	437303.8	3762796	1.21E-03	4.13E-03	1.88E-04	6.75E-04	1.01E-04	3.13E-04
5857	437303.8	3762806	1.20E-03	4.09E-03	1.86E-04	6.67E-04	1.00E-04	3.10E-04
5858	437303.8	3762815	1.17E-03	3.99E-03	1.82E-04	6.52E-04	9.80E-05	3.03E-04
5859	437303.8	3762825	1.13E-03	3.86E-03	1.76E-04	6.30E-04	9.46E-05	2.92E-04
5860	437303.8	3762835	1.08E-03	3.68E-03	1.68E-04	6.01E-04	9.03E-05	2.79E-04
5861	437293.8	3762718	7.71E-04	2.63E-03	1.20E-04	4.30E-04	6.46E-05	1.99E-04
5862	437293.8	3762728	8.29E-04	2.83E-03	1.29E-04	4.62E-04	6.94E-05	2.14E-04
5863	437293.8	3762738	8.83E-04	3.01E-03	1.37E-04	4.92E-04	7.39E-05	2.28E-04
5864	437293.8	3762747	9.32E-04	3.18E-03	1.45E-04	5.19E-04	7.80E-05	2.41E-04
5865	437293.8	3762757	9.72E-04	3.32E-03	1.51E-04	5.42E-04	8.14E-05	2.51E-04
5866	437293.8	3762767	1.00E-03	3.42E-03	1.56E-04	5.59E-04	8.40E-05	2.59E-04
5867	437293.8	3762776	1.02E-03	3.49E-03	1.59E-04	5.71E-04	8.57E-05	2.65E-04
5868	437293.8	3762786	1.04E-03	3.53E-03	1.61E-04	5.77E-04	8.66E-05	2.67E-04
5869	437293.8	3762796	1.04E-03	3.53E-03	1.61E-04	5.77E-04	8.66E-05	2.67E-04
5870	437293.8	3762806	1.02E-03	3.49E-03	1.59E-04	5.71E-04	8.57E-05	2.65E-04
5871	437293.8	3762815	1.00E-03	3.42E-03	1.56E-04	5.59E-04	8.40E-05	2.59E-04
5872	437293.8	3762825	9.73E-04	3.32E-03	1.51E-04	5.42E-04	8.14E-05	2.51E-04

5873	437293.8	3762835	9.33E-04	3.18E-03	1.45E-04	5.20E-04	7.81E-05	2.41E-04
5874	437287.1	3762691	5.73E-04	1.95E-03	8.90E-05	3.19E-04	4.80E-05	1.48E-04
5875	437283.8	3762718	6.84E-04	2.33E-03	1.06E-04	3.81E-04	5.72E-05	1.77E-04
5876	437283.8	3762728	7.29E-04	2.49E-03	1.13E-04	4.06E-04	6.11E-05	1.88E-04
5877	437283.8	3762738	7.73E-04	2.64E-03	1.20E-04	4.30E-04	6.47E-05	2.00E-04
5878	437283.8	3762747	8.12E-04	2.77E-03	1.26E-04	4.52E-04	6.79E-05	2.10E-04
5879	437283.8	3762757	8.44E-04	2.88E-03	1.31E-04	4.70E-04	7.07E-05	2.18E-04
5880	437283.8	3762767	8.69E-04	2.96E-03	1.35E-04	4.84E-04	7.27E-05	2.25E-04
5881	437283.8	3762776	8.86E-04	3.02E-03	1.38E-04	4.94E-04	7.42E-05	2.29E-04
5882	437283.8	3762786	8.95E-04	3.05E-03	1.39E-04	4.98E-04	7.49E-05	2.31E-04
5883	437283.8	3762796	8.95E-04	3.05E-03	1.39E-04	4.99E-04	7.49E-05	2.31E-04
5884	437283.8	3762806	8.87E-04	3.02E-03	1.38E-04	4.94E-04	7.42E-05	2.29E-04
5885	437283.8	3762815	8.71E-04	2.97E-03	1.35E-04	4.85E-04	7.29E-05	2.25E-04
5886	437283.8	3762825	8.47E-04	2.89E-03	1.32E-04	4.72E-04	7.09E-05	2.19E-04
5887	437283.8	3762835	8.16E-04	2.78E-03	1.27E-04	4.54E-04	6.83E-05	2.11E-04
5888	437283.8	3762844	7.78E-04	2.65E-03	1.21E-04	4.33E-04	6.51E-05	2.01E-04
5889	437283.6	3762675	4.88E-04	1.66E-03	7.58E-05	2.72E-04	4.08E-05	1.26E-04
5890	437290.2	3762659	4.51E-04	1.54E-03	7.01E-05	2.51E-04	3.78E-05	1.17E-04
5891	437296.7	3762643	4.14E-04	1.41E-03	6.44E-05	2.31E-04	3.47E-05	1.07E-04
5892	437273.8	3762718	6.11E-04	2.08E-03	9.50E-05	3.40E-04	5.12E-05	1.58E-04
5893	437273.8	3762728	6.48E-04	2.21E-03	1.01E-04	3.61E-04	5.43E-05	1.67E-04
5894	437273.8	3762738	6.83E-04	2.33E-03	1.06E-04	3.80E-04	5.72E-05	1.76E-04
5895	437273.8	3762747	7.14E-04	2.44E-03	1.11E-04	3.98E-04	5.98E-05	1.85E-04
5896	437273.8	3762757	7.40E-04	2.52E-03	1.15E-04	4.12E-04	6.20E-05	1.91E-04
5897	437273.8	3762767	7.61E-04	2.59E-03	1.18E-04	4.24E-04	6.37E-05	1.97E-04
5898	437273.8	3762776	7.75E-04	2.64E-03	1.20E-04	4.32E-04	6.49E-05	2.00E-04
5899	437273.8	3762786	7.83E-04	2.67E-03	1.22E-04	4.36E-04	6.55E-05	2.02E-04
5900	437273.8	3762796	7.83E-04	2.67E-03	1.22E-04	4.36E-04	6.55E-05	2.02E-04
5901	437273.8	3762806	7.77E-04	2.65E-03	1.21E-04	4.33E-04	6.50E-05	2.01E-04
5902	437273.8	3762815	7.64E-04	2.61E-03	1.19E-04	4.26E-04	6.39E-05	1.97E-04
5903	437273.8	3762825	7.45E-04	2.54E-03	1.16E-04	4.15E-04	6.23E-05	1.92E-04
5904	437273.8	3762835	7.20E-04	2.45E-03	1.12E-04	4.01E-04	6.02E-05	1.86E-04
5905	437273.8	3762844	6.89E-04	2.35E-03	1.07E-04	3.84E-04	5.76E-05	1.78E-04
5906	437267.4	3762690	4.73E-04	1.61E-03	7.35E-05	2.64E-04	3.96E-05	1.22E-04
5907	437263.8	3762718	5.50E-04	1.88E-03	8.55E-05	3.06E-04	4.60E-05	1.42E-04
5908	437263.8	3762728	5.80E-04	1.98E-03	9.02E-05	3.23E-04	4.86E-05	1.50E-04
5909	437263.8	3762738	6.08E-04	2.07E-03	9.45E-05	3.39E-04	5.09E-05	1.57E-04
5910	437263.8	3762747	6.34E-04	2.16E-03	9.85E-05	3.53E-04	5.31E-05	1.64E-04
5911	437263.8	3762757	6.55E-04	2.23E-03	1.02E-04	3.65E-04	5.49E-05	1.69E-04
5912	437263.8	3762767	6.72E-04	2.29E-03	1.04E-04	3.75E-04	5.63E-05	1.74E-04
5913	437263.8	3762776	6.85E-04	2.33E-03	1.06E-04	3.81E-04	5.73E-05	1.77E-04
5914	437263.8	3762786	6.91E-04	2.36E-03	1.07E-04	3.85E-04	5.78E-05	1.79E-04
5915	437263.8	3762796	6.91E-04	2.36E-03	1.07E-04	3.85E-04	5.79E-05	1.79E-04
5916	437263.8	3762806	6.86E-04	2.34E-03	1.07E-04	3.82E-04	5.74E-05	1.77E-04
5917	437263.8	3762815	6.76E-04	2.30E-03	1.05E-04	3.77E-04	5.66E-05	1.75E-04
5918	437263.8	3762825	6.60E-04	2.25E-03	1.03E-04	3.68E-04	5.53E-05	1.71E-04
5919	437263.8	3762835	6.40E-04	2.18E-03	9.94E-05	3.56E-04	5.35E-05	1.65E-04
5920	437263.8	3762844	6.14E-04	2.09E-03	9.55E-05	3.42E-04	5.14E-05	1.59E-04
5921	437247.3	3762690	3.98E-04	1.36E-03	6.19E-05	2.22E-04	3.33E-05	1.03E-04
5922	437320.9	3762597	3.15E-04	1.07E-03	4.89E-05	1.75E-04	2.64E-05	8.14E-05
5923	437346.2	3762586	3.18E-04	1.08E-03	4.93E-05	1.77E-04	2.66E-05	8.21E-05
5924	437243.8	3762718	4.53E-04	1.54E-03	7.03E-05	2.52E-04	3.79E-05	1.17E-04

5925	437243.8	3762728	4.74E-04	1.62E-03	7.36E-05	2.64E-04	3.96E-05	1.22E-04
5926	437243.8	3762738	4.93E-04	1.68E-03	7.66E-05	2.75E-04	4.13E-05	1.27E-04
5927	437243.8	3762747	5.10E-04	1.74E-03	7.93E-05	2.84E-04	4.27E-05	1.32E-04
5928	437243.8	3762757	5.25E-04	1.79E-03	8.16E-05	2.93E-04	4.40E-05	1.36E-04
5929	437243.8	3762767	5.37E-04	1.83E-03	8.35E-05	2.99E-04	4.50E-05	1.39E-04
5930	437243.8	3762776	5.46E-04	1.86E-03	8.48E-05	3.04E-04	4.57E-05	1.41E-04
5931	437243.8	3762786	5.50E-04	1.88E-03	8.55E-05	3.07E-04	4.61E-05	1.42E-04
5932	437243.8	3762796	5.51E-04	1.88E-03	8.56E-05	3.07E-04	4.61E-05	1.42E-04
5933	437243.8	3762806	5.48E-04	1.87E-03	8.51E-05	3.05E-04	4.58E-05	1.41E-04
5934	437243.8	3762815	5.41E-04	1.84E-03	8.40E-05	3.01E-04	4.52E-05	1.40E-04
5935	437243.8	3762825	5.30E-04	1.81E-03	8.23E-05	2.95E-04	4.43E-05	1.37E-04
5936	437243.8	3762835	5.15E-04	1.76E-03	8.01E-05	2.87E-04	4.31E-05	1.33E-04
5937	437243.8	3762844	4.98E-04	1.70E-03	7.74E-05	2.77E-04	4.17E-05	1.29E-04
5938	437227.2	3762691	3.42E-04	1.16E-03	5.31E-05	1.90E-04	2.86E-05	8.83E-05
5939	437305.5	3762583	2.63E-04	8.97E-04	4.09E-05	1.47E-04	2.20E-05	6.80E-05
5940	437321.9	3762576	2.66E-04	9.06E-04	4.13E-05	1.48E-04	2.22E-05	6.86E-05
5941	437346.5	3762566	2.65E-04	9.04E-04	4.12E-05	1.48E-04	2.22E-05	6.85E-05
5942	437223.8	3762718	3.79E-04	1.29E-03	5.89E-05	2.11E-04	3.17E-05	9.80E-05
5943	437223.8	3762728	3.94E-04	1.34E-03	6.13E-05	2.20E-04	3.30E-05	1.02E-04
5944	437223.8	3762738	4.08E-04	1.39E-03	6.34E-05	2.27E-04	3.42E-05	1.06E-04
5945	437223.8	3762747	4.21E-04	1.43E-03	6.54E-05	2.34E-04	3.52E-05	1.09E-04
5946	437223.8	3762757	4.31E-04	1.47E-03	6.70E-05	2.40E-04	3.61E-05	1.11E-04
5947	437223.8	3762767	4.40E-04	1.50E-03	6.83E-05	2.45E-04	3.68E-05	1.14E-04
5948	437223.8	3762776	4.45E-04	1.52E-03	6.92E-05	2.48E-04	3.73E-05	1.15E-04
5949	437223.8	3762786	4.49E-04	1.53E-03	6.97E-05	2.50E-04	3.76E-05	1.16E-04
5950	437223.8	3762796	4.49E-04	1.53E-03	6.98E-05	2.50E-04	3.76E-05	1.16E-04
5951	437223.8	3762806	4.47E-04	1.52E-03	6.95E-05	2.49E-04	3.74E-05	1.16E-04
5952	437223.8	3762815	4.42E-04	1.51E-03	6.87E-05	2.46E-04	3.70E-05	1.14E-04
5953	437223.8	3762825	4.34E-04	1.48E-03	6.75E-05	2.42E-04	3.64E-05	1.12E-04
5954	437223.8	3762835	4.24E-04	1.45E-03	6.59E-05	2.36E-04	3.55E-05	1.10E-04
5955	437223.8	3762844	4.12E-04	1.40E-03	6.40E-05	2.29E-04	3.45E-05	1.06E-04
5956	437207.4	3762690	2.94E-04	1.00E-03	4.57E-05	1.64E-04	2.46E-05	7.59E-05
5957	437293.6	3762568	2.23E-04	7.62E-04	3.47E-05	1.24E-04	1.87E-05	5.77E-05
5958	437319.5	3762557	2.26E-04	7.71E-04	3.51E-05	1.26E-04	1.89E-05	5.84E-05
5959	437336.8	3762550	2.25E-04	7.68E-04	3.50E-05	1.25E-04	1.88E-05	5.82E-05
5960	437345.5	3762546	2.24E-04	7.64E-04	3.48E-05	1.25E-04	1.88E-05	5.79E-05
5961	437203.8	3762718	3.22E-04	1.10E-03	5.00E-05	1.79E-04	2.69E-05	8.32E-05
5962	437203.8	3762728	3.33E-04	1.14E-03	5.18E-05	1.86E-04	2.79E-05	8.61E-05
5963	437203.8	3762738	3.43E-04	1.17E-03	5.34E-05	1.91E-04	2.87E-05	8.87E-05
5964	437203.8	3762747	3.52E-04	1.20E-03	5.48E-05	1.96E-04	2.95E-05	9.11E-05
5965	437203.8	3762757	3.60E-04	1.23E-03	5.60E-05	2.01E-04	3.01E-05	9.31E-05
5966	437203.8	3762767	3.66E-04	1.25E-03	5.69E-05	2.04E-04	3.07E-05	9.47E-05
5967	437203.8	3762776	3.71E-04	1.26E-03	5.76E-05	2.06E-04	3.10E-05	9.58E-05
5968	437203.8	3762786	3.73E-04	1.27E-03	5.80E-05	2.08E-04	3.12E-05	9.64E-05
5969	437203.8	3762796	3.73E-04	1.27E-03	5.80E-05	2.08E-04	3.13E-05	9.65E-05
5970	437203.8	3762806	3.72E-04	1.27E-03	5.78E-05	2.07E-04	3.11E-05	9.60E-05
5971	437203.8	3762815	3.68E-04	1.26E-03	5.72E-05	2.05E-04	3.08E-05	9.51E-05
5972	437203.8	3762825	3.62E-04	1.24E-03	5.63E-05	2.02E-04	3.03E-05	9.36E-05
5973	437203.8	3762835	3.55E-04	1.21E-03	5.52E-05	1.98E-04	2.97E-05	9.17E-05
5974	437203.8	3762844	3.46E-04	1.18E-03	5.38E-05	1.93E-04	2.90E-05	8.94E-05
5975	437187.3	3762690	2.55E-04	8.71E-04	3.97E-05	1.42E-04	2.14E-05	6.60E-05
5976	437303.6	3762544	1.94E-04	6.62E-04	3.02E-05	1.08E-04	1.63E-05	5.02E-05

5977	437320.5	3762537	1.94E-04	6.61E-04	3.01E-05	1.08E-04	1.62E-05	5.01E-05
5978	437345.8	3762526	1.91E-04	6.52E-04	2.97E-05	1.07E-04	1.60E-05	4.94E-05
5979	437183.8	3762718	2.76E-04	9.42E-04	4.29E-05	1.54E-04	2.31E-05	7.14E-05
5980	437183.8	3762728	2.85E-04	9.72E-04	4.43E-05	1.59E-04	2.38E-05	7.36E-05
5981	437183.8	3762738	2.93E-04	9.98E-04	4.55E-05	1.63E-04	2.45E-05	7.56E-05
5982	437183.8	3762747	3.00E-04	1.02E-03	4.65E-05	1.67E-04	2.51E-05	7.74E-05
5983	437183.8	3762757	3.05E-04	1.04E-03	4.74E-05	1.70E-04	2.56E-05	7.89E-05
5984	437265.9	3762539	1.67E-04	5.68E-04	2.59E-05	9.29E-05	1.40E-05	4.31E-05
5985	437274.7	3762536	1.68E-04	5.72E-04	2.61E-05	9.34E-05	1.40E-05	4.33E-05
5986	437292.2	3762528	1.69E-04	5.76E-04	2.62E-05	9.40E-05	1.41E-05	4.36E-05
5987	437318.6	3762517	1.68E-04	5.73E-04	2.61E-05	9.36E-05	1.41E-05	4.34E-05
5988	437336.2	3762510	1.66E-04	5.66E-04	2.58E-05	9.25E-05	1.39E-05	4.29E-05
5989	437345	3762506	1.65E-04	5.62E-04	2.56E-05	9.18E-05	1.38E-05	4.26E-05
5990	437147.4	3762690	1.97E-04	6.73E-04	3.07E-05	1.10E-04	1.65E-05	5.10E-05
5991	437250.7	3762526	1.46E-04	4.98E-04	2.27E-05	8.13E-05	1.22E-05	3.77E-05
5992	437276.5	3762515	1.48E-04	5.05E-04	2.30E-05	8.25E-05	1.24E-05	3.82E-05
5993	437293.7	3762508	1.48E-04	5.05E-04	2.30E-05	8.24E-05	1.24E-05	3.82E-05
5994	437319.5	3762497	1.46E-04	4.99E-04	2.27E-05	8.15E-05	1.23E-05	3.78E-05
5995	437336.6	3762490	1.44E-04	4.93E-04	2.24E-05	8.05E-05	1.21E-05	3.73E-05
5996	437345.2	3762486	1.43E-04	4.88E-04	2.23E-05	7.98E-05	1.20E-05	3.70E-05
5997	437143.8	3762699	1.99E-04	6.77E-04	3.09E-05	1.11E-04	1.66E-05	5.13E-05
5998	437143.8	3762709	2.05E-04	6.97E-04	3.18E-05	1.14E-04	1.71E-05	5.28E-05
5999	437143.8	3762718	2.10E-04	7.16E-04	3.26E-05	1.17E-04	1.76E-05	5.43E-05
6000	437143.8	3762728	2.15E-04	7.34E-04	3.35E-05	1.20E-04	1.80E-05	5.56E-05
6001	437143.8	3762738	2.20E-04	7.50E-04	3.42E-05	1.23E-04	1.84E-05	5.68E-05
6002	437143.8	3762747	2.24E-04	7.64E-04	3.48E-05	1.25E-04	1.88E-05	5.79E-05
6003	437143.8	3762757	2.27E-04	7.76E-04	3.53E-05	1.27E-04	1.90E-05	5.88E-05
6004	437143.8	3762767	2.30E-04	7.85E-04	3.58E-05	1.28E-04	1.93E-05	5.95E-05
6005	437143.8	3762776	2.32E-04	7.91E-04	3.60E-05	1.29E-04	1.94E-05	5.99E-05
6006	437143.8	3762786	2.33E-04	7.94E-04	3.62E-05	1.30E-04	1.95E-05	6.02E-05
6007	437143.8	3762796	2.33E-04	7.95E-04	3.62E-05	1.30E-04	1.95E-05	6.02E-05
6008	437143.8	3762806	2.32E-04	7.92E-04	3.61E-05	1.29E-04	1.94E-05	6.00E-05
6009	437143.8	3762815	2.31E-04	7.86E-04	3.58E-05	1.28E-04	1.93E-05	5.96E-05
6010	437143.8	3762825	2.28E-04	7.78E-04	3.54E-05	1.27E-04	1.91E-05	5.89E-05
6011	437143.8	3762835	2.25E-04	7.66E-04	3.49E-05	1.25E-04	1.88E-05	5.81E-05
6012	437127.5	3762690	1.75E-04	5.98E-04	2.73E-05	9.77E-05	1.47E-05	4.53E-05
6013	437238	3762511	1.29E-04	4.41E-04	2.01E-05	7.20E-05	1.08E-05	3.34E-05
6014	437246.8	3762507	1.30E-04	4.43E-04	2.02E-05	7.24E-05	1.09E-05	3.36E-05
6015	437264.6	3762500	1.31E-04	4.46E-04	2.03E-05	7.29E-05	1.10E-05	3.38E-05
6016	437291.3	3762489	1.31E-04	4.45E-04	2.03E-05	7.28E-05	1.09E-05	3.38E-05
6017	437317.9	3762478	1.29E-04	4.39E-04	2.00E-05	7.17E-05	1.08E-05	3.32E-05
6018	437335.7	3762470	1.27E-04	4.32E-04	1.97E-05	7.06E-05	1.06E-05	3.27E-05
6019	437344.5	3762466	1.25E-04	4.28E-04	1.95E-05	6.99E-05	1.05E-05	3.24E-05
6020	437123.8	3762699	1.76E-04	6.01E-04	2.74E-05	9.82E-05	1.48E-05	4.56E-05
6021	437123.8	3762709	1.81E-04	6.17E-04	2.81E-05	1.01E-04	1.52E-05	4.68E-05
6022	437123.8	3762718	1.86E-04	6.33E-04	2.88E-05	1.03E-04	1.55E-05	4.79E-05
6023	437123.8	3762728	1.90E-04	6.47E-04	2.95E-05	1.06E-04	1.59E-05	4.90E-05
6024	437123.8	3762738	1.93E-04	6.59E-04	3.00E-05	1.08E-04	1.62E-05	5.00E-05
6025	437123.8	3762747	1.97E-04	6.70E-04	3.05E-05	1.09E-04	1.65E-05	5.08E-05
6026	437123.8	3762757	1.99E-04	6.79E-04	3.10E-05	1.11E-04	1.67E-05	5.15E-05
6027	437123.8	3762767	2.01E-04	6.86E-04	3.13E-05	1.12E-04	1.68E-05	5.20E-05
6028	437123.8	3762776	2.03E-04	6.91E-04	3.15E-05	1.13E-04	1.70E-05	5.24E-05

6029	437123.8	3762786	2.03E-04	6.94E-04	3.16E-05	1.13E-04	1.70E-05	5.26E-05
6030	437123.8	3762796	2.04E-04	6.94E-04	3.16E-05	1.13E-04	1.70E-05	5.26E-05
6031	437123.8	3762806	2.03E-04	6.92E-04	3.15E-05	1.13E-04	1.70E-05	5.24E-05
6032	437123.8	3762815	2.02E-04	6.87E-04	3.13E-05	1.12E-04	1.69E-05	5.21E-05
6033	437123.8	3762825	1.99E-04	6.80E-04	3.10E-05	1.11E-04	1.67E-05	5.15E-05
6034	437123.8	3762835	1.97E-04	6.71E-04	3.06E-05	1.10E-04	1.65E-05	5.09E-05
6035	437107.4	3762690	1.57E-04	5.35E-04	2.44E-05	8.74E-05	1.31E-05	4.05E-05
6036	437214.2	3762501	1.14E-04	3.90E-04	1.78E-05	6.37E-05	9.57E-06	2.95E-05
6037	437222.9	3762497	1.15E-04	3.92E-04	1.79E-05	6.41E-05	9.63E-06	2.97E-05
6038	437249	3762486	1.17E-04	3.97E-04	1.81E-05	6.49E-05	9.75E-06	3.01E-05
6039	437275.1	3762475	1.17E-04	3.97E-04	1.81E-05	6.49E-05	9.76E-06	3.01E-05
6040	437292.5	3762468	1.16E-04	3.95E-04	1.80E-05	6.45E-05	9.69E-06	2.99E-05
6041	437318.6	3762457	1.14E-04	3.87E-04	1.76E-05	6.32E-05	9.50E-06	2.93E-05
6042	437336.1	3762450	1.12E-04	3.81E-04	1.73E-05	6.22E-05	9.34E-06	2.88E-05
6043	437344.8	3762446	1.11E-04	3.77E-04	1.72E-05	6.16E-05	9.25E-06	2.86E-05
6044	437103.8	3762699	1.58E-04	5.37E-04	2.45E-05	8.78E-05	1.32E-05	4.07E-05
6045	437103.8	3762709	1.61E-04	5.51E-04	2.51E-05	8.99E-05	1.35E-05	4.17E-05
6046	437103.8	3762718	1.65E-04	5.63E-04	2.56E-05	9.19E-05	1.38E-05	4.26E-05
6047	437103.8	3762728	1.68E-04	5.74E-04	2.62E-05	9.38E-05	1.41E-05	4.35E-05
6048	437103.8	3762738	1.71E-04	5.84E-04	2.66E-05	9.54E-05	1.43E-05	4.43E-05
6049	437103.8	3762747	1.74E-04	5.93E-04	2.70E-05	9.69E-05	1.46E-05	4.49E-05
6050	437103.8	3762757	1.76E-04	6.00E-04	2.73E-05	9.80E-05	1.47E-05	4.55E-05
6051	437103.8	3762767	1.78E-04	6.06E-04	2.76E-05	9.89E-05	1.49E-05	4.59E-05
6052	437103.8	3762776	1.79E-04	6.09E-04	2.78E-05	9.95E-05	1.50E-05	4.62E-05
6053	437103.8	3762786	1.79E-04	6.11E-04	2.79E-05	9.99E-05	1.50E-05	4.63E-05
6054	437103.8	3762796	1.79E-04	6.11E-04	2.78E-05	9.98E-05	1.50E-05	4.63E-05
6055	437103.8	3762806	1.79E-04	6.09E-04	2.78E-05	9.95E-05	1.50E-05	4.62E-05
6056	437103.8	3762815	1.78E-04	6.05E-04	2.76E-05	9.89E-05	1.49E-05	4.59E-05
6057	437103.8	3762825	1.76E-04	6.00E-04	2.73E-05	9.80E-05	1.47E-05	4.55E-05
6058	437103.8	3762835	1.74E-04	5.93E-04	2.70E-05	9.68E-05	1.45E-05	4.49E-05
6059	437087.3	3762690	1.41E-04	4.81E-04	2.19E-05	7.86E-05	1.18E-05	3.65E-05
6060	437199.4	3762487	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.64E-05
6061	437208	3762484	1.03E-04	3.51E-04	1.60E-05	5.74E-05	8.62E-06	2.66E-05
6062	437233.7	3762473	1.04E-04	3.56E-04	1.62E-05	5.81E-05	8.73E-06	2.70E-05
6063	437250.8	3762466	1.05E-04	3.57E-04	1.62E-05	5.82E-05	8.75E-06	2.70E-05
6064	437267.9	3762458	1.04E-04	3.56E-04	1.62E-05	5.81E-05	8.73E-06	2.70E-05
6065	437276.5	3762455	1.04E-04	3.55E-04	1.62E-05	5.80E-05	8.71E-06	2.69E-05
6066	437293.6	3762448	1.03E-04	3.51E-04	1.60E-05	5.74E-05	8.62E-06	2.66E-05
6067	437310.7	3762440	1.02E-04	3.46E-04	1.58E-05	5.66E-05	8.50E-06	2.63E-05
6068	437336.4	3762430	9.90E-05	3.38E-04	1.54E-05	5.51E-05	8.29E-06	2.56E-05
6069	437353.5	3762423	9.70E-05	3.31E-04	1.51E-05	5.41E-05	8.12E-06	2.51E-05
6070	437083.8	3762699	1.42E-04	4.83E-04	2.20E-05	7.89E-05	1.18E-05	3.66E-05
6071	437083.8	3762709	1.45E-04	4.94E-04	2.25E-05	8.07E-05	1.21E-05	3.74E-05
6072	437083.8	3762718	1.48E-04	5.04E-04	2.30E-05	8.23E-05	1.24E-05	3.82E-05
6073	437083.8	3762728	1.50E-04	5.13E-04	2.34E-05	8.38E-05	1.26E-05	3.89E-05
6074	437083.8	3762738	1.53E-04	5.21E-04	2.38E-05	8.52E-05	1.28E-05	3.95E-05
6075	437083.8	3762747	1.55E-04	5.28E-04	2.41E-05	8.63E-05	1.30E-05	4.00E-05
6076	437083.8	3762757	1.57E-04	5.34E-04	2.43E-05	8.72E-05	1.31E-05	4.05E-05
6077	437083.8	3762767	1.58E-04	5.38E-04	2.45E-05	8.80E-05	1.32E-05	4.08E-05
6078	437083.8	3762776	1.59E-04	5.41E-04	2.47E-05	8.84E-05	1.33E-05	4.10E-05
6079	437083.8	3762786	1.59E-04	5.43E-04	2.47E-05	8.87E-05	1.33E-05	4.11E-05
6080	437083.8	3762796	1.59E-04	5.43E-04	2.47E-05	8.87E-05	1.33E-05	4.11E-05

6081	437083.8	3762806	1.59E-04	5.41E-04	2.47E-05	8.84E-05	1.33E-05	4.10E-05
6082	437083.8	3762815	1.58E-04	5.38E-04	2.45E-05	8.79E-05	1.32E-05	4.08E-05
6083	437083.8	3762825	1.57E-04	5.34E-04	2.43E-05	8.72E-05	1.31E-05	4.04E-05
6084	437083.8	3762835	1.55E-04	5.28E-04	2.41E-05	8.63E-05	1.30E-05	4.00E-05
6085	437074.7	3762672	1.26E-04	4.31E-04	1.96E-05	7.04E-05	1.06E-05	3.26E-05
6086	437078.3	3762664	1.25E-04	4.28E-04	1.95E-05	6.99E-05	1.05E-05	3.24E-05
6087	437082	3762655	1.24E-04	4.24E-04	1.93E-05	6.93E-05	1.04E-05	3.21E-05
6088	437085.6	3762646	1.23E-04	4.20E-04	1.91E-05	6.86E-05	1.03E-05	3.18E-05
6089	437089.2	3762637	1.22E-04	4.15E-04	1.89E-05	6.78E-05	1.02E-05	3.14E-05
6090	437092.9	3762628	1.20E-04	4.10E-04	1.87E-05	6.70E-05	1.01E-05	3.11E-05
6091	437096.5	3762620	1.19E-04	4.05E-04	1.84E-05	6.61E-05	9.94E-06	3.07E-05
6092	437100.1	3762611	1.17E-04	3.99E-04	1.82E-05	6.52E-05	9.80E-06	3.03E-05
6093	437103.8	3762602	1.15E-04	3.93E-04	1.79E-05	6.43E-05	9.66E-06	2.98E-05
6094	437107.4	3762593	1.14E-04	3.87E-04	1.76E-05	6.32E-05	9.50E-06	2.93E-05
6095	437114.7	3762576	1.10E-04	3.74E-04	1.71E-05	6.12E-05	9.19E-06	2.84E-05
6096	437118.3	3762567	1.08E-04	3.68E-04	1.68E-05	6.01E-05	9.03E-06	2.79E-05
6097	437121.9	3762558	1.06E-04	3.61E-04	1.65E-05	5.90E-05	8.87E-06	2.74E-05
6098	437125.6	3762549	1.04E-04	3.54E-04	1.61E-05	5.79E-05	8.70E-06	2.69E-05
6099	437132.8	3762532	9.98E-05	3.40E-04	1.55E-05	5.56E-05	8.35E-06	2.58E-05
6100	437136.5	3762523	9.77E-05	3.33E-04	1.52E-05	5.44E-05	8.18E-06	2.52E-05
6101	437140.1	3762514	9.55E-05	3.26E-04	1.48E-05	5.32E-05	8.00E-06	2.47E-05
6102	437143.7	3762505	9.33E-05	3.18E-04	1.45E-05	5.20E-05	7.81E-06	2.41E-05
6103	437186.2	3762473	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.73E-06	2.39E-05
6104	437194.9	3762469	9.29E-05	3.17E-04	1.44E-05	5.18E-05	7.78E-06	2.40E-05
6105	437203.7	3762465	9.34E-05	3.19E-04	1.45E-05	5.20E-05	7.82E-06	2.41E-05
6106	437221.3	3762458	9.41E-05	3.21E-04	1.46E-05	5.24E-05	7.87E-06	2.43E-05
6107	437238.9	3762451	9.42E-05	3.21E-04	1.46E-05	5.25E-05	7.89E-06	2.43E-05
6108	437247.7	3762447	9.42E-05	3.21E-04	1.46E-05	5.25E-05	7.88E-06	2.43E-05
6109	437265.2	3762439	9.38E-05	3.20E-04	1.46E-05	5.22E-05	7.85E-06	2.42E-05
6110	437282.8	3762432	9.29E-05	3.17E-04	1.44E-05	5.18E-05	7.78E-06	2.40E-05
6111	437291.6	3762428	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.73E-06	2.39E-05
6112	437309.2	3762421	9.09E-05	3.10E-04	1.41E-05	5.06E-05	7.61E-06	2.35E-05
6113	437326.8	3762414	8.93E-05	3.04E-04	1.39E-05	4.97E-05	7.47E-06	2.31E-05
6114	437335.6	3762410	8.84E-05	3.01E-04	1.37E-05	4.92E-05	7.40E-06	2.28E-05
6115	437353.1	3762403	8.66E-05	2.95E-04	1.35E-05	4.82E-05	7.25E-06	2.24E-05
6116	437063.8	3762709	1.30E-04	4.45E-04	2.03E-05	7.27E-05	1.09E-05	3.37E-05
6117	437063.8	3762718	1.33E-04	4.53E-04	2.07E-05	7.41E-05	1.11E-05	3.44E-05
6118	437063.8	3762728	1.35E-04	4.61E-04	2.10E-05	7.53E-05	1.13E-05	3.49E-05
6119	437063.8	3762738	1.37E-04	4.68E-04	2.13E-05	7.64E-05	1.15E-05	3.55E-05
6120	437063.8	3762747	1.39E-04	4.74E-04	2.16E-05	7.74E-05	1.16E-05	3.59E-05
6121	437063.8	3762757	1.40E-04	4.78E-04	2.18E-05	7.81E-05	1.17E-05	3.62E-05
6122	437063.8	3762767	1.41E-04	4.82E-04	2.20E-05	7.87E-05	1.18E-05	3.65E-05
6123	437063.8	3762776	1.42E-04	4.84E-04	2.21E-05	7.91E-05	1.19E-05	3.67E-05
6124	437063.8	3762786	1.42E-04	4.85E-04	2.21E-05	7.93E-05	1.19E-05	3.68E-05
6125	437063.8	3762796	1.42E-04	4.85E-04	2.21E-05	7.93E-05	1.19E-05	3.68E-05
6126	437063.8	3762806	1.42E-04	4.84E-04	2.20E-05	7.90E-05	1.19E-05	3.67E-05
6127	437063.8	3762815	1.41E-04	4.81E-04	2.19E-05	7.86E-05	1.18E-05	3.65E-05
6128	437063.8	3762825	1.40E-04	4.78E-04	2.18E-05	7.80E-05	1.17E-05	3.62E-05
6129	437063.8	3762835	1.39E-04	4.73E-04	2.16E-05	7.73E-05	1.16E-05	3.58E-05
6130	437063.8	3762844	1.37E-04	4.67E-04	2.13E-05	7.64E-05	1.15E-05	3.54E-05
6131	437044.9	3762672	1.10E-04	3.74E-04	1.71E-05	6.12E-05	9.19E-06	2.84E-05
6132	437048.6	3762663	1.09E-04	3.72E-04	1.70E-05	6.08E-05	9.13E-06	2.82E-05

6133	437052.3	3762654	1.08E-04	3.69E-04	1.68E-05	6.03E-05	9.07E-06	2.80E-05
6134	437055.9	3762645	1.07E-04	3.66E-04	1.67E-05	5.98E-05	8.99E-06	2.77E-05
6135	437059.6	3762636	1.06E-04	3.63E-04	1.65E-05	5.92E-05	8.90E-06	2.75E-05
6136	437067	3762618	1.04E-04	3.55E-04	1.62E-05	5.79E-05	8.70E-06	2.69E-05
6137	437070.7	3762609	1.03E-04	3.50E-04	1.60E-05	5.72E-05	8.60E-06	2.65E-05
6138	437074.4	3762601	1.01E-04	3.46E-04	1.58E-05	5.65E-05	8.49E-06	2.62E-05
6139	437078.1	3762592	9.99E-05	3.41E-04	1.55E-05	5.57E-05	8.36E-06	2.58E-05
6140	437081.8	3762583	9.84E-05	3.36E-04	1.53E-05	5.48E-05	8.24E-06	2.54E-05
6141	437085.5	3762574	9.68E-05	3.30E-04	1.50E-05	5.39E-05	8.10E-06	2.50E-05
6142	437089.1	3762565	9.53E-05	3.25E-04	1.48E-05	5.31E-05	7.98E-06	2.46E-05
6143	437096.5	3762547	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.73E-06	2.38E-05
6144	437100.2	3762538	9.07E-05	3.09E-04	1.41E-05	5.05E-05	7.60E-06	2.34E-05
6145	437103.9	3762529	8.91E-05	3.04E-04	1.38E-05	4.96E-05	7.46E-06	2.30E-05
6146	437107.6	3762520	8.74E-05	2.98E-04	1.36E-05	4.87E-05	7.32E-06	2.26E-05
6147	437115	3762502	8.40E-05	2.87E-04	1.31E-05	4.68E-05	7.03E-06	2.17E-05
6148	437118.7	3762493	8.23E-05	2.81E-04	1.28E-05	4.58E-05	6.89E-06	2.13E-05
6149	437183.3	3762444	8.09E-05	2.76E-04	1.26E-05	4.50E-05	6.77E-06	2.09E-05
6150	437192.2	3762440	8.12E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
6151	437201.1	3762436	8.14E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.10E-05
6152	437210	3762433	8.16E-05	2.78E-04	1.27E-05	4.55E-05	6.83E-06	2.11E-05
6153	437219	3762429	8.17E-05	2.78E-04	1.27E-05	4.55E-05	6.84E-06	2.11E-05
6154	437227.9	3762425	8.16E-05	2.78E-04	1.27E-05	4.55E-05	6.83E-06	2.11E-05
6155	437236.8	3762421	8.14E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.10E-05
6156	437245.7	3762418	8.12E-05	2.77E-04	1.26E-05	4.52E-05	6.80E-06	2.10E-05
6157	437254.7	3762414	8.09E-05	2.76E-04	1.26E-05	4.50E-05	6.77E-06	2.09E-05
6158	437263.6	3762410	8.05E-05	2.74E-04	1.25E-05	4.48E-05	6.74E-06	2.08E-05
6159	437272.5	3762406	8.00E-05	2.73E-04	1.24E-05	4.46E-05	6.70E-06	2.07E-05
6160	437281.4	3762403	7.95E-05	2.71E-04	1.24E-05	4.43E-05	6.65E-06	2.05E-05
6161	437290.3	3762399	7.89E-05	2.69E-04	1.23E-05	4.39E-05	6.60E-06	2.04E-05
6162	437299.3	3762395	7.83E-05	2.67E-04	1.22E-05	4.36E-05	6.55E-06	2.02E-05
6163	437308.2	3762391	7.76E-05	2.64E-04	1.21E-05	4.32E-05	6.49E-06	2.00E-05
6164	437317.1	3762388	7.68E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.99E-05
6165	437326	3762384	7.61E-05	2.59E-04	1.18E-05	4.24E-05	6.37E-06	1.97E-05
6166	437335	3762380	7.53E-05	2.57E-04	1.17E-05	4.19E-05	6.30E-06	1.95E-05
6167	437343.9	3762376	7.45E-05	2.54E-04	1.16E-05	4.15E-05	6.24E-06	1.93E-05
6168	437352.8	3762373	7.38E-05	2.52E-04	1.15E-05	4.11E-05	6.17E-06	1.91E-05
6169	437033.8	3762709	1.13E-04	3.85E-04	1.75E-05	6.28E-05	9.44E-06	2.91E-05
6170	437033.8	3762718	1.15E-04	3.91E-04	1.78E-05	6.39E-05	9.60E-06	2.96E-05
6171	437033.8	3762728	1.16E-04	3.97E-04	1.81E-05	6.48E-05	9.74E-06	3.01E-05
6172	437033.8	3762738	1.18E-04	4.02E-04	1.83E-05	6.57E-05	9.87E-06	3.05E-05
6173	437033.8	3762747	1.19E-04	4.06E-04	1.85E-05	6.64E-05	9.97E-06	3.08E-05
6174	437033.8	3762757	1.20E-04	4.10E-04	1.87E-05	6.69E-05	1.01E-05	3.10E-05
6175	437033.8	3762767	1.21E-04	4.12E-04	1.88E-05	6.74E-05	1.01E-05	3.12E-05
6176	437033.8	3762776	1.21E-04	4.14E-04	1.89E-05	6.76E-05	1.02E-05	3.14E-05
6177	437033.8	3762786	1.22E-04	4.15E-04	1.89E-05	6.77E-05	1.02E-05	3.14E-05
6178	437033.8	3762796	1.22E-04	4.14E-04	1.89E-05	6.77E-05	1.02E-05	3.14E-05
6179	437033.8	3762806	1.21E-04	4.13E-04	1.88E-05	6.75E-05	1.01E-05	3.13E-05
6180	437033.8	3762815	1.21E-04	4.11E-04	1.87E-05	6.72E-05	1.01E-05	3.12E-05
6181	437033.8	3762825	1.20E-04	4.09E-04	1.86E-05	6.67E-05	1.00E-05	3.10E-05
6182	437033.8	3762835	1.19E-04	4.05E-04	1.85E-05	6.62E-05	9.94E-06	3.07E-05
6183	437033.8	3762844	1.18E-04	4.01E-04	1.83E-05	6.55E-05	9.84E-06	3.04E-05
6184	437014.6	3762673	9.63E-05	3.29E-04	1.50E-05	5.37E-05	8.06E-06	2.49E-05

6185	437018.2	3762664	9.59E-05	3.27E-04	1.49E-05	5.34E-05	8.03E-06	2.48E-05
6186	437021.8	3762655	9.53E-05	3.25E-04	1.48E-05	5.31E-05	7.98E-06	2.46E-05
6187	437025.5	3762646	9.47E-05	3.23E-04	1.47E-05	5.27E-05	7.92E-06	2.45E-05
6188	437029.1	3762638	9.39E-05	3.20E-04	1.46E-05	5.23E-05	7.86E-06	2.43E-05
6189	437032.7	3762629	9.31E-05	3.17E-04	1.45E-05	5.19E-05	7.79E-06	2.41E-05
6190	437036.3	3762620	9.22E-05	3.14E-04	1.43E-05	5.14E-05	7.72E-06	2.38E-05
6191	437039.9	3762611	9.13E-05	3.11E-04	1.42E-05	5.08E-05	7.64E-06	2.36E-05
6192	437043.5	3762603	9.02E-05	3.08E-04	1.40E-05	5.03E-05	7.55E-06	2.33E-05
6193	437047.1	3762594	8.91E-05	3.04E-04	1.38E-05	4.96E-05	7.46E-06	2.30E-05
6194	437050.7	3762585	8.78E-05	2.99E-04	1.36E-05	4.89E-05	7.35E-06	2.27E-05
6195	437054.3	3762576	8.65E-05	2.95E-04	1.34E-05	4.82E-05	7.24E-06	2.24E-05
6196	437057.9	3762568	8.52E-05	2.91E-04	1.32E-05	4.75E-05	7.14E-06	2.20E-05
6197	437061.5	3762559	8.41E-05	2.87E-04	1.31E-05	4.68E-05	7.04E-06	2.17E-05
6198	437065.1	3762550	8.29E-05	2.83E-04	1.29E-05	4.62E-05	6.94E-06	2.14E-05
6199	437072.4	3762533	8.05E-05	2.75E-04	1.25E-05	4.49E-05	6.74E-06	2.08E-05
6200	437076	3762524	7.93E-05	2.71E-04	1.23E-05	4.42E-05	6.64E-06	2.05E-05
6201	437079.6	3762515	7.81E-05	2.66E-04	1.21E-05	4.35E-05	6.54E-06	2.02E-05
6202	437083.2	3762506	7.69E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.99E-05
6203	437090.4	3762489	7.42E-05	2.53E-04	1.15E-05	4.13E-05	6.21E-06	1.92E-05
6204	437117.2	3762441	6.82E-05	2.33E-04	1.06E-05	3.80E-05	5.71E-06	1.76E-05
6205	437143.4	3762431	6.99E-05	2.38E-04	1.09E-05	3.89E-05	5.85E-06	1.81E-05
6206	437178.3	3762416	7.12E-05	2.43E-04	1.11E-05	3.96E-05	5.96E-06	1.84E-05
6207	437187	3762412	7.13E-05	2.43E-04	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6208	437195.7	3762409	7.13E-05	2.43E-04	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6209	437204.4	3762405	7.13E-05	2.43E-04	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6210	437213.2	3762401	7.13E-05	2.43E-04	1.11E-05	3.97E-05	5.96E-06	1.84E-05
6211	437221.9	3762398	7.11E-05	2.42E-04	1.10E-05	3.96E-05	5.95E-06	1.84E-05
6212	437230.6	3762394	7.09E-05	2.42E-04	1.10E-05	3.95E-05	5.93E-06	1.83E-05
6213	437239.4	3762390	7.06E-05	2.41E-04	1.10E-05	3.93E-05	5.91E-06	1.82E-05
6214	437248.1	3762387	7.03E-05	2.40E-04	1.09E-05	3.91E-05	5.88E-06	1.82E-05
6215	437256.8	3762383	6.99E-05	2.38E-04	1.09E-05	3.89E-05	5.85E-06	1.81E-05
6216	437265.5	3762379	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
6217	437274.3	3762376	6.90E-05	2.35E-04	1.07E-05	3.84E-05	5.77E-06	1.78E-05
6218	437283	3762372	6.84E-05	2.33E-04	1.06E-05	3.81E-05	5.73E-06	1.77E-05
6219	437291.7	3762368	6.79E-05	2.31E-04	1.05E-05	3.78E-05	5.68E-06	1.75E-05
6220	437300.4	3762365	6.73E-05	2.29E-04	1.05E-05	3.75E-05	5.63E-06	1.74E-05
6221	437309.2	3762361	6.67E-05	2.27E-04	1.04E-05	3.71E-05	5.58E-06	1.72E-05
6222	437317.9	3762357	6.60E-05	2.25E-04	1.03E-05	3.68E-05	5.53E-06	1.71E-05
6223	437326.6	3762354	6.54E-05	2.23E-04	1.02E-05	3.64E-05	5.47E-06	1.69E-05
6224	437335.4	3762350	6.48E-05	2.21E-04	1.01E-05	3.61E-05	5.42E-06	1.67E-05
6225	437344.1	3762346	6.41E-05	2.19E-04	9.96E-06	3.57E-05	5.37E-06	1.66E-05
6226	437352.8	3762343	6.35E-05	2.17E-04	9.87E-06	3.54E-05	5.32E-06	1.64E-05
6227	437003.8	3762709	9.85E-05	3.36E-04	1.53E-05	5.49E-05	8.24E-06	2.55E-05
6228	437003.8	3762718	9.99E-05	3.41E-04	1.55E-05	5.57E-05	8.37E-06	2.58E-05
6229	437003.8	3762728	1.01E-04	3.45E-04	1.57E-05	5.64E-05	8.47E-06	2.62E-05
6230	437003.8	3762738	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.65E-05
6231	437003.8	3762747	1.03E-04	3.52E-04	1.61E-05	5.76E-05	8.65E-06	2.67E-05
6232	437003.8	3762757	1.04E-04	3.55E-04	1.62E-05	5.80E-05	8.71E-06	2.69E-05
6233	437003.8	3762767	1.05E-04	3.57E-04	1.63E-05	5.83E-05	8.76E-06	2.70E-05
6234	437003.8	3762776	1.05E-04	3.58E-04	1.63E-05	5.85E-05	8.79E-06	2.71E-05
6235	437003.8	3762786	1.05E-04	3.58E-04	1.63E-05	5.85E-05	8.80E-06	2.72E-05
6236	437003.8	3762796	1.05E-04	3.58E-04	1.63E-05	5.85E-05	8.79E-06	2.71E-05

6237	437003.8	3762806	1.05E-04	3.57E-04	1.63E-05	5.83E-05	8.77E-06	2.71E-05
6238	437003.8	3762815	1.04E-04	3.56E-04	1.62E-05	5.81E-05	8.73E-06	2.69E-05
6239	437003.8	3762825	1.04E-04	3.53E-04	1.61E-05	5.77E-05	8.67E-06	2.68E-05
6240	437003.8	3762835	1.03E-04	3.51E-04	1.60E-05	5.73E-05	8.60E-06	2.66E-05
6241	437003.8	3762844	1.02E-04	3.47E-04	1.58E-05	5.67E-05	8.52E-06	2.63E-05
6242	436984.8	3762672	8.53E-05	2.91E-04	1.32E-05	4.75E-05	7.14E-06	2.20E-05
6243	436988.4	3762663	8.49E-05	2.90E-04	1.32E-05	4.73E-05	7.11E-06	2.19E-05
6244	436992.1	3762655	8.45E-05	2.88E-04	1.31E-05	4.71E-05	7.07E-06	2.18E-05
6245	436995.7	3762646	8.40E-05	2.86E-04	1.30E-05	4.68E-05	7.03E-06	2.17E-05
6246	436999.4	3762637	8.34E-05	2.84E-04	1.30E-05	4.64E-05	6.98E-06	2.15E-05
6247	437003.1	3762628	8.27E-05	2.82E-04	1.28E-05	4.61E-05	6.92E-06	2.14E-05
6248	437006.7	3762619	8.20E-05	2.79E-04	1.27E-05	4.57E-05	6.86E-06	2.12E-05
6249	437010.4	3762610	8.12E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
6250	437014	3762601	8.04E-05	2.74E-04	1.25E-05	4.48E-05	6.73E-06	2.08E-05
6251	437017.7	3762593	7.95E-05	2.71E-04	1.23E-05	4.43E-05	6.65E-06	2.05E-05
6252	437021.3	3762584	7.85E-05	2.68E-04	1.22E-05	4.37E-05	6.57E-06	2.03E-05
6253	437025	3762575	7.74E-05	2.64E-04	1.20E-05	4.31E-05	6.48E-06	2.00E-05
6254	437028.7	3762566	7.63E-05	2.60E-04	1.19E-05	4.25E-05	6.39E-06	1.97E-05
6255	437032.3	3762557	7.53E-05	2.57E-04	1.17E-05	4.19E-05	6.30E-06	1.95E-05
6256	437036	3762548	7.43E-05	2.53E-04	1.15E-05	4.14E-05	6.22E-06	1.92E-05
6257	437039.6	3762539	7.33E-05	2.50E-04	1.14E-05	4.08E-05	6.13E-06	1.89E-05
6258	437043.3	3762530	7.23E-05	2.47E-04	1.12E-05	4.03E-05	6.05E-06	1.87E-05
6259	437046.9	3762522	7.13E-05	2.43E-04	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6260	437050.6	3762513	7.04E-05	2.40E-04	1.09E-05	3.92E-05	5.89E-06	1.82E-05
6261	437054.3	3762504	6.93E-05	2.36E-04	1.08E-05	3.86E-05	5.80E-06	1.79E-05
6262	437057.9	3762495	6.83E-05	2.33E-04	1.06E-05	3.80E-05	5.72E-06	1.76E-05
6263	437076.2	3762451	6.28E-05	2.14E-04	9.76E-06	3.50E-05	5.26E-06	1.62E-05
6264	437079.9	3762442	6.18E-05	2.11E-04	9.60E-06	3.44E-05	5.17E-06	1.60E-05
6265	437083.5	3762433	6.07E-05	2.07E-04	9.43E-06	3.38E-05	5.08E-06	1.57E-05
6266	437096	3762420	6.02E-05	2.05E-04	9.35E-06	3.35E-05	5.04E-06	1.56E-05
6267	437131.4	3762405	6.20E-05	2.11E-04	9.63E-06	3.45E-05	5.19E-06	1.60E-05
6268	437140.2	3762402	6.23E-05	2.12E-04	9.67E-06	3.47E-05	5.21E-06	1.61E-05
6269	437149.1	3762398	6.25E-05	2.13E-04	9.71E-06	3.48E-05	5.23E-06	1.61E-05
6270	437184.5	3762383	6.29E-05	2.14E-04	9.77E-06	3.50E-05	5.26E-06	1.62E-05
6271	437193.3	3762379	6.28E-05	2.14E-04	9.76E-06	3.50E-05	5.26E-06	1.62E-05
6272	437202.1	3762376	6.27E-05	2.14E-04	9.74E-06	3.49E-05	5.25E-06	1.62E-05
6273	437211	3762372	6.25E-05	2.13E-04	9.72E-06	3.48E-05	5.23E-06	1.62E-05
6274	437219.8	3762368	6.23E-05	2.13E-04	9.68E-06	3.47E-05	5.22E-06	1.61E-05
6275	437228.7	3762365	6.21E-05	2.12E-04	9.64E-06	3.46E-05	5.19E-06	1.60E-05
6276	437237.5	3762361	6.17E-05	2.10E-04	9.59E-06	3.44E-05	5.16E-06	1.59E-05
6277	437246.4	3762357	6.14E-05	2.09E-04	9.53E-06	3.42E-05	5.14E-06	1.59E-05
6278	437255.2	3762353	6.10E-05	2.08E-04	9.47E-06	3.40E-05	5.10E-06	1.58E-05
6279	437264.1	3762350	6.05E-05	2.06E-04	9.41E-06	3.37E-05	5.07E-06	1.56E-05
6280	437272.9	3762346	6.01E-05	2.05E-04	9.33E-06	3.35E-05	5.03E-06	1.55E-05
6281	437281.7	3762342	5.96E-05	2.03E-04	9.26E-06	3.32E-05	4.99E-06	1.54E-05
6282	437290.6	3762339	5.90E-05	2.01E-04	9.18E-06	3.29E-05	4.94E-06	1.53E-05
6283	437299.4	3762335	5.85E-05	2.00E-04	9.09E-06	3.26E-05	4.90E-06	1.51E-05
6284	437308.3	3762331	5.80E-05	1.98E-04	9.01E-06	3.23E-05	4.85E-06	1.50E-05
6285	437317.1	3762327	5.74E-05	1.96E-04	8.92E-06	3.20E-05	4.81E-06	1.48E-05
6286	437326	3762324	5.69E-05	1.94E-04	8.83E-06	3.17E-05	4.76E-06	1.47E-05
6287	437334.8	3762320	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.71E-06	1.45E-05
6288	437343.7	3762316	5.58E-05	1.90E-04	8.66E-06	3.11E-05	4.67E-06	1.44E-05

6289	437352.5	3762313	5.52E-05	1.88E-04	8.58E-06	3.08E-05	4.62E-06	1.43E-05
6290	436973.8	3762709	8.68E-05	2.96E-04	1.35E-05	4.83E-05	7.26E-06	2.24E-05
6291	436973.8	3762718	8.79E-05	3.00E-04	1.37E-05	4.90E-05	7.36E-06	2.27E-05
6292	436973.8	3762728	8.89E-05	3.03E-04	1.38E-05	4.95E-05	7.44E-06	2.30E-05
6293	436973.8	3762738	8.98E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
6294	436973.8	3762747	9.05E-05	3.09E-04	1.41E-05	5.04E-05	7.57E-06	2.34E-05
6295	436973.8	3762757	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
6296	436973.8	3762767	9.14E-05	3.12E-04	1.42E-05	5.09E-05	7.65E-06	2.36E-05
6297	436973.8	3762776	9.17E-05	3.13E-04	1.42E-05	5.11E-05	7.67E-06	2.37E-05
6298	436973.8	3762786	9.18E-05	3.13E-04	1.43E-05	5.11E-05	7.68E-06	2.37E-05
6299	436973.8	3762796	9.17E-05	3.13E-04	1.42E-05	5.11E-05	7.67E-06	2.37E-05
6300	436973.8	3762806	9.15E-05	3.12E-04	1.42E-05	5.09E-05	7.65E-06	2.36E-05
6301	436973.8	3762815	9.11E-05	3.11E-04	1.42E-05	5.07E-05	7.62E-06	2.35E-05
6302	436973.8	3762825	9.05E-05	3.09E-04	1.41E-05	5.04E-05	7.58E-06	2.34E-05
6303	436973.8	3762835	8.99E-05	3.06E-04	1.40E-05	5.01E-05	7.52E-06	2.32E-05
6304	436973.8	3762844	8.91E-05	3.04E-04	1.38E-05	4.96E-05	7.46E-06	2.30E-05
6305	436954.6	3762673	7.60E-05	2.59E-04	1.18E-05	4.23E-05	6.36E-06	1.96E-05
6306	436958.2	3762664	7.58E-05	2.59E-04	1.18E-05	4.22E-05	6.35E-06	1.96E-05
6307	436961.8	3762655	7.55E-05	2.58E-04	1.17E-05	4.21E-05	6.32E-06	1.95E-05
6308	436965.3	3762647	7.52E-05	2.56E-04	1.17E-05	4.19E-05	6.29E-06	1.94E-05
6309	436968.9	3762638	7.47E-05	2.55E-04	1.16E-05	4.16E-05	6.25E-06	1.93E-05
6310	436972.5	3762629	7.42E-05	2.53E-04	1.15E-05	4.13E-05	6.21E-06	1.92E-05
6311	436976.1	3762621	7.37E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
6312	436979.7	3762612	7.3E-05	2.49E-04	1.13E-05	4.07E-05	6.11E-06	1.89E-05
6313	436983.3	3762603	7.24E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
6314	436986.9	3762594	7.17E-05	2.44E-04	1.11E-05	3.99E-05	6.00E-06	1.85E-05
6315	436990.5	3762586	7.09E-05	2.42E-04	1.10E-05	3.95E-05	5.94E-06	1.83E-05
6316	436994.1	3762577	7.02E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
6317	436997.7	3762568	6.94E-05	2.36E-04	1.08E-05	3.86E-05	5.80E-06	1.79E-05
6318	437001.3	3762560	6.85E-05	2.34E-04	1.06E-05	3.82E-05	5.73E-06	1.77E-05
6319	437004.8	3762551	6.76E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05
6320	437008.4	3762542	6.67E-05	2.28E-04	1.04E-05	3.72E-05	5.58E-06	1.72E-05
6321	437012	3762533	6.59E-05	2.25E-04	1.02E-05	3.67E-05	5.52E-06	1.70E-05
6322	437015.6	3762525	6.51E-05	2.22E-04	1.01E-05	3.63E-05	5.45E-06	1.68E-05
6323	437019.2	3762516	6.43E-05	2.19E-04	9.99E-06	3.58E-05	5.38E-06	1.66E-05
6324	437022.8	3762507	6.34E-05	2.16E-04	9.86E-06	3.53E-05	5.31E-06	1.64E-05
6325	437030	3762490	6.17E-05	2.11E-04	9.59E-06	3.44E-05	5.17E-06	1.60E-05
6326	437047.9	3762446	5.73E-05	1.96E-04	8.91E-06	3.19E-05	4.80E-06	1.48E-05
6327	437051.5	3762438	5.65E-05	1.93E-04	8.78E-06	3.15E-05	4.73E-06	1.46E-05
6328	437055.1	3762429	5.57E-05	1.90E-04	8.65E-06	3.10E-05	4.66E-06	1.44E-05
6329	437058.7	3762420	5.48E-05	1.87E-04	8.52E-06	3.05E-05	4.59E-06	1.42E-05
6330	437074.6	3762399	5.34E-05	1.82E-04	8.30E-06	2.98E-05	4.47E-06	1.38E-05
6331	437100.6	3762388	5.47E-05	1.86E-04	8.49E-06	3.04E-05	4.57E-06	1.41E-05
6332	437109.3	3762385	5.5E-05	1.87E-04	8.54E-06	3.06E-05	4.60E-06	1.42E-05
6333	437118	3762381	5.52E-05	1.88E-04	8.58E-06	3.08E-05	4.62E-06	1.43E-05
6334	437126.7	3762377	5.55E-05	1.89E-04	8.62E-06	3.09E-05	4.64E-06	1.43E-05
6335	437135.4	3762374	5.56E-05	1.90E-04	8.64E-06	3.10E-05	4.66E-06	1.44E-05
6336	437144	3762370	5.57E-05	1.90E-04	8.66E-06	3.11E-05	4.67E-06	1.44E-05
6337	437178.8	3762355	5.56E-05	1.90E-04	8.65E-06	3.10E-05	4.66E-06	1.44E-05
6338	437187.5	3762352	5.55E-05	1.89E-04	8.63E-06	3.09E-05	4.65E-06	1.44E-05
6339	437196.2	3762348	5.54E-05	1.89E-04	8.61E-06	3.09E-05	4.64E-06	1.43E-05
6340	437204.8	3762345	5.52E-05	1.88E-04	8.58E-06	3.08E-05	4.62E-06	1.43E-05

6341	437213.5	3762341	5.5E-05	1.88E-04	8.55E-06	3.06E-05	4.60E-06	1.42E-05
6342	437222.2	3762337	5.47E-05	1.87E-04	8.51E-06	3.05E-05	4.58E-06	1.41E-05
6343	437230.9	3762334	5.45E-05	1.86E-04	8.46E-06	3.03E-05	4.56E-06	1.41E-05
6344	437239.6	3762330	5.41E-05	1.85E-04	8.41E-06	3.02E-05	4.53E-06	1.40E-05
6345	437248.3	3762326	5.38E-05	1.83E-04	8.36E-06	3.00E-05	4.50E-06	1.39E-05
6346	437256.9	3762323	5.34E-05	1.82E-04	8.30E-06	2.98E-05	4.47E-06	1.38E-05
6347	437265.6	3762319	5.3E-05	1.81E-04	8.24E-06	2.95E-05	4.44E-06	1.37E-05
6348	437274.3	3762315	5.26E-05	1.79E-04	8.17E-06	2.93E-05	4.40E-06	1.36E-05
6349	437283	3762312	5.21E-05	1.78E-04	8.10E-06	2.90E-05	4.36E-06	1.35E-05
6350	437291.7	3762308	5.17E-05	1.76E-04	8.03E-06	2.88E-05	4.33E-06	1.34E-05
6351	437300.4	3762304	5.12E-05	1.75E-04	7.96E-06	2.85E-05	4.29E-06	1.32E-05
6352	437309.1	3762301	5.07E-05	1.73E-04	7.88E-06	2.83E-05	4.25E-06	1.31E-05
6353	437317.7	3762297	5.03E-05	1.71E-04	7.81E-06	2.80E-05	4.21E-06	1.30E-05
6354	437326.4	3762294	4.98E-05	1.70E-04	7.74E-06	2.77E-05	4.17E-06	1.29E-05
6355	437335.1	3762290	4.94E-05	1.68E-04	7.67E-06	2.75E-05	4.13E-06	1.28E-05
6356	437343.8	3762286	4.89E-05	1.67E-04	7.60E-06	2.73E-05	4.09E-06	1.26E-05
6357	437352.5	3762283	4.85E-05	1.65E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
6358	436943.8	3762709	7.7E-05	2.63E-04	1.20E-05	4.29E-05	6.45E-06	1.99E-05
6359	436943.8	3762718	7.79E-05	2.66E-04	1.21E-05	4.34E-05	6.52E-06	2.01E-05
6360	436943.8	3762728	7.87E-05	2.68E-04	1.22E-05	4.38E-05	6.59E-06	2.03E-05
6361	436943.8	3762738	7.93E-05	2.71E-04	1.23E-05	4.42E-05	6.64E-06	2.05E-05
6362	436943.8	3762747	7.99E-05	2.72E-04	1.24E-05	4.45E-05	6.69E-06	2.06E-05
6363	436943.8	3762757	8.03E-05	2.74E-04	1.25E-05	4.47E-05	6.72E-06	2.07E-05
6364	436943.8	3762767	8.06E-05	2.75E-04	1.25E-05	4.49E-05	6.75E-06	2.08E-05
6365	436943.8	3762776	8.08E-05	2.75E-04	1.26E-05	4.50E-05	6.76E-06	2.09E-05
6366	436943.8	3762786	8.08E-05	2.76E-04	1.26E-05	4.50E-05	6.77E-06	2.09E-05
6367	436943.8	3762796	8.07E-05	2.75E-04	1.25E-05	4.50E-05	6.76E-06	2.09E-05
6368	436943.8	3762806	8.05E-05	2.75E-04	1.25E-05	4.49E-05	6.74E-06	2.08E-05
6369	436943.8	3762815	8.02E-05	2.74E-04	1.25E-05	4.47E-05	6.72E-06	2.07E-05
6370	436943.8	3762825	7.98E-05	2.72E-04	1.24E-05	4.45E-05	6.68E-06	2.06E-05
6371	436943.8	3762835	7.93E-05	2.70E-04	1.23E-05	4.42E-05	6.64E-06	2.05E-05
6372	436943.8	3762844	7.86E-05	2.68E-04	1.22E-05	4.38E-05	6.58E-06	2.03E-05
6373	436924.7	3762672	6.82E-05	2.33E-04	1.06E-05	3.80E-05	5.71E-06	1.76E-05
6374	436928.3	3762664	6.8E-05	2.32E-04	1.06E-05	3.79E-05	5.70E-06	1.76E-05
6375	436932	3762655	6.78E-05	2.31E-04	1.05E-05	3.78E-05	5.68E-06	1.75E-05
6376	436935.6	3762646	6.76E-05	2.30E-04	1.05E-05	3.76E-05	5.65E-06	1.75E-05
6377	436939.2	3762637	6.72E-05	2.29E-04	1.04E-05	3.74E-05	5.63E-06	1.74E-05
6378	436942.9	3762628	6.68E-05	2.28E-04	1.04E-05	3.72E-05	5.59E-06	1.73E-05
6379	436946.5	3762620	6.64E-05	2.26E-04	1.03E-05	3.70E-05	5.56E-06	1.72E-05
6380	436950.1	3762611	6.59E-05	2.25E-04	1.02E-05	3.67E-05	5.52E-06	1.70E-05
6381	436953.8	3762602	6.54E-05	2.23E-04	1.02E-05	3.64E-05	5.47E-06	1.69E-05
6382	436957.4	3762593	6.48E-05	2.21E-04	1.01E-05	3.61E-05	5.42E-06	1.67E-05
6383	436964.7	3762576	6.35E-05	2.17E-04	9.87E-06	3.54E-05	5.32E-06	1.64E-05
6384	436968.3	3762567	6.29E-05	2.14E-04	9.77E-06	3.50E-05	5.26E-06	1.62E-05
6385	436971.9	3762558	6.22E-05	2.12E-04	9.66E-06	3.46E-05	5.20E-06	1.61E-05
6386	436975.6	3762549	6.15E-05	2.10E-04	9.55E-06	3.42E-05	5.15E-06	1.59E-05
6387	436982.8	3762532	6E-05	2.05E-04	9.33E-06	3.34E-05	5.03E-06	1.55E-05
6388	436986.5	3762523	5.93E-05	2.02E-04	9.22E-06	3.31E-05	4.97E-06	1.53E-05
6389	436990.1	3762514	5.86E-05	2.00E-04	9.11E-06	3.27E-05	4.91E-06	1.52E-05
6390	436993.7	3762505	5.79E-05	1.97E-04	8.99E-06	3.22E-05	4.85E-06	1.50E-05
6391	436997.4	3762496	5.71E-05	1.95E-04	8.88E-06	3.18E-05	4.78E-06	1.48E-05
6392	437015.5	3762452	5.35E-05	1.82E-04	8.31E-06	2.98E-05	4.48E-06	1.38E-05

6393	437019.2	3762443	5.28E-05	1.80E-04	8.20E-06	2.94E-05	4.42E-06	1.36E-05
6394	437022.8	3762435	5.21E-05	1.78E-04	8.09E-06	2.90E-05	4.36E-06	1.35E-05
6395	437030.1	3762417	5.06E-05	1.73E-04	7.87E-06	2.82E-05	4.24E-06	1.31E-05
6396	437033.7	3762408	4.99E-05	1.70E-04	7.75E-06	2.78E-05	4.17E-06	1.29E-05
6397	437037.3	3762399	4.91E-05	1.67E-04	7.63E-06	2.73E-05	4.11E-06	1.27E-05
6398	437041	3762391	4.83E-05	1.65E-04	7.51E-06	2.69E-05	4.04E-06	1.25E-05
6399	437053.4	3762378	4.79E-05	1.63E-04	7.44E-06	2.67E-05	4.01E-06	1.24E-05
6400	437088.5	3762363	4.9E-05	1.67E-04	7.62E-06	2.73E-05	4.11E-06	1.27E-05
6401	437097.3	3762360	4.93E-05	1.68E-04	7.65E-06	2.74E-05	4.12E-06	1.27E-05
6402	437106.1	3762356	4.94E-05	1.69E-04	7.68E-06	2.75E-05	4.14E-06	1.28E-05
6403	437114.9	3762352	4.95E-05	1.69E-04	7.70E-06	2.76E-05	4.15E-06	1.28E-05
6404	437123.7	3762349	4.96E-05	1.69E-04	7.70E-06	2.76E-05	4.15E-06	1.28E-05
6405	437132.5	3762345	4.96E-05	1.69E-04	7.71E-06	2.76E-05	4.15E-06	1.28E-05
6406	437141.3	3762341	4.97E-05	1.69E-04	7.72E-06	2.77E-05	4.16E-06	1.28E-05
6407	437185.2	3762323	4.94E-05	1.69E-04	7.68E-06	2.75E-05	4.14E-06	1.28E-05
6408	437194	3762319	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
6409	437202.8	3762315	4.91E-05	1.67E-04	7.63E-06	2.73E-05	4.11E-06	1.27E-05
6410	437211.6	3762312	4.89E-05	1.67E-04	7.59E-06	2.72E-05	4.09E-06	1.26E-05
6411	437220.4	3762308	4.86E-05	1.66E-04	7.55E-06	2.71E-05	4.07E-06	1.26E-05
6412	437229.2	3762304	4.83E-05	1.65E-04	7.50E-06	2.69E-05	4.04E-06	1.25E-05
6413	437237.9	3762301	4.8E-05	1.64E-04	7.45E-06	2.67E-05	4.01E-06	1.24E-05
6414	437246.7	3762297	4.76E-05	1.62E-04	7.40E-06	2.65E-05	3.98E-06	1.23E-05
6415	437255.5	3762293	4.72E-05	1.61E-04	7.34E-06	2.63E-05	3.95E-06	1.22E-05
6416	437264.3	3762290	4.69E-05	1.60E-04	7.28E-06	2.61E-05	3.92E-06	1.21E-05
6417	437273.1	3762286	4.65E-05	1.58E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6418	437281.9	3762282	4.61E-05	1.57E-04	7.16E-06	2.57E-05	3.86E-06	1.19E-05
6419	437290.7	3762278	4.57E-05	1.56E-04	7.09E-06	2.54E-05	3.82E-06	1.18E-05
6420	437299.5	3762275	4.53E-05	1.54E-04	7.03E-06	2.52E-05	3.79E-06	1.17E-05
6421	437308.2	3762271	4.49E-05	1.53E-04	6.97E-06	2.50E-05	3.75E-06	1.16E-05
6422	437317	3762267	4.45E-05	1.52E-04	6.91E-06	2.48E-05	3.72E-06	1.15E-05
6423	437325.8	3762264	4.41E-05	1.50E-04	6.85E-06	2.45E-05	3.69E-06	1.14E-05
6424	437334.6	3762260	4.37E-05	1.49E-04	6.79E-06	2.43E-05	3.66E-06	1.13E-05
6425	437343.4	3762256	4.33E-05	1.48E-04	6.73E-06	2.41E-05	3.63E-06	1.12E-05
6426	437352.2	3762253	4.3E-05	1.46E-04	6.67E-06	2.39E-05	3.60E-06	1.11E-05
6427	436913.8	3762709	6.89E-05	2.35E-04	1.07E-05	3.84E-05	5.77E-06	1.78E-05
6428	436913.8	3762718	6.96E-05	2.37E-04	1.08E-05	3.87E-05	5.82E-06	1.80E-05
6429	436913.8	3762728	7.01E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
6430	436913.8	3762738	7.06E-05	2.41E-04	1.10E-05	3.94E-05	5.91E-06	1.83E-05
6431	436913.8	3762747	7.1E-05	2.42E-04	1.10E-05	3.96E-05	5.95E-06	1.84E-05
6432	436913.8	3762757	7.13E-05	2.43E-04	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6433	436913.8	3762767	7.16E-05	2.44E-04	1.11E-05	3.99E-05	5.99E-06	1.85E-05
6434	436913.8	3762776	7.17E-05	2.44E-04	1.11E-05	3.99E-05	6.00E-06	1.85E-05
6435	436913.8	3762786	7.17E-05	2.44E-04	1.11E-05	3.99E-05	6.00E-06	1.85E-05
6436	436913.8	3762796	7.16E-05	2.44E-04	1.11E-05	3.99E-05	5.99E-06	1.85E-05
6437	436913.8	3762806	7.14E-05	2.44E-04	1.11E-05	3.98E-05	5.98E-06	1.85E-05
6438	436913.8	3762815	7.12E-05	2.43E-04	1.11E-05	3.96E-05	5.96E-06	1.84E-05
6439	436913.8	3762825	7.08E-05	2.42E-04	1.10E-05	3.95E-05	5.93E-06	1.83E-05
6440	436913.8	3762835	7.04E-05	2.40E-04	1.09E-05	3.92E-05	5.89E-06	1.82E-05
6441	436913.8	3762844	6.99E-05	2.38E-04	1.09E-05	3.89E-05	5.85E-06	1.81E-05
6442	436894.8	3762672	6.14E-05	2.09E-04	9.55E-06	3.42E-05	5.14E-06	1.59E-05
6443	436898.5	3762663	6.14E-05	2.09E-04	9.53E-06	3.42E-05	5.14E-06	1.59E-05
6444	436902.2	3762654	6.12E-05	2.09E-04	9.51E-06	3.41E-05	5.12E-06	1.58E-05

6445	436905.8	3762645	6.1E-05	2.08E-04	9.48E-06	3.40E-05	5.11E-06	1.58E-05
6446	436909.5	3762637	6.08E-05	2.07E-04	9.44E-06	3.38E-05	5.08E-06	1.57E-05
6447	436913.2	3762628	6.04E-05	2.06E-04	9.39E-06	3.37E-05	5.06E-06	1.56E-05
6448	436916.8	3762619	6.01E-05	2.05E-04	9.34E-06	3.35E-05	5.03E-06	1.55E-05
6449	436920.5	3762610	5.97E-05	2.04E-04	9.28E-06	3.33E-05	5.00E-06	1.54E-05
6450	436924.2	3762601	5.93E-05	2.02E-04	9.21E-06	3.30E-05	4.96E-06	1.53E-05
6451	436927.9	3762592	5.88E-05	2.01E-04	9.14E-06	3.28E-05	4.92E-06	1.52E-05
6452	436931.5	3762583	5.83E-05	1.99E-04	9.06E-06	3.25E-05	4.88E-06	1.51E-05
6453	436935.2	3762574	5.78E-05	1.97E-04	8.98E-06	3.22E-05	4.84E-06	1.49E-05
6454	436938.9	3762565	5.72E-05	1.95E-04	8.89E-06	3.19E-05	4.79E-06	1.48E-05
6455	436942.6	3762556	5.67E-05	1.93E-04	8.81E-06	3.16E-05	4.74E-06	1.46E-05
6456	436946.2	3762548	5.61E-05	1.91E-04	8.71E-06	3.12E-05	4.69E-06	1.45E-05
6457	436953.6	3762530	5.49E-05	1.87E-04	8.53E-06	3.06E-05	4.59E-06	1.42E-05
6458	436957.2	3762521	5.43E-05	1.85E-04	8.43E-06	3.02E-05	4.54E-06	1.40E-05
6459	436960.9	3762512	5.37E-05	1.83E-04	8.34E-06	2.99E-05	4.49E-06	1.39E-05
6460	436964.6	3762503	5.3E-05	1.81E-04	8.24E-06	2.95E-05	4.44E-06	1.37E-05
6461	436990.3	3762441	4.87E-05	1.66E-04	7.57E-06	2.71E-05	4.08E-06	1.26E-05
6462	436994	3762432	4.81E-05	1.64E-04	7.48E-06	2.68E-05	4.03E-06	1.24E-05
6463	436997.6	3762423	4.75E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
6464	437001.3	3762414	4.69E-05	1.60E-04	7.29E-06	2.61E-05	3.93E-06	1.21E-05
6465	437008.6	3762396	4.56E-05	1.56E-04	7.09E-06	2.54E-05	3.82E-06	1.18E-05
6466	437012.3	3762387	4.5E-05	1.53E-04	6.99E-06	2.51E-05	3.76E-06	1.16E-05
6467	437019.7	3762369	4.36E-05	1.49E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
6468	437032.2	3762357	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
6469	437058.8	3762346	4.39E-05	1.50E-04	6.82E-06	2.45E-05	3.67E-06	1.13E-05
6470	437067.7	3762342	4.41E-05	1.50E-04	6.85E-06	2.46E-05	3.69E-06	1.14E-05
6471	437076.6	3762338	4.42E-05	1.51E-04	6.87E-06	2.46E-05	3.70E-06	1.14E-05
6472	437085.5	3762334	4.44E-05	1.51E-04	6.89E-06	2.47E-05	3.71E-06	1.15E-05
6473	437094.4	3762331	4.44E-05	1.52E-04	6.91E-06	2.48E-05	3.72E-06	1.15E-05
6474	437103.3	3762327	4.45E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6475	437112.1	3762323	4.45E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6476	437121	3762320	4.46E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6477	437129.9	3762316	4.46E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6478	437138.8	3762312	4.46E-05	1.52E-04	6.93E-06	2.49E-05	3.73E-06	1.15E-05
6479	437147.7	3762308	4.46E-05	1.52E-04	6.94E-06	2.49E-05	3.74E-06	1.15E-05
6480	437183.2	3762293	4.43E-05	1.51E-04	6.88E-06	2.47E-05	3.71E-06	1.14E-05
6481	437192.1	3762290	4.41E-05	1.50E-04	6.85E-06	2.46E-05	3.69E-06	1.14E-05
6482	437200.9	3762286	4.39E-05	1.50E-04	6.82E-06	2.44E-05	3.67E-06	1.13E-05
6483	437209.8	3762282	4.36E-05	1.49E-04	6.78E-06	2.43E-05	3.65E-06	1.13E-05
6484	437218.7	3762279	4.33E-05	1.48E-04	6.73E-06	2.41E-05	3.63E-06	1.12E-05
6485	437227.6	3762275	4.3E-05	1.47E-04	6.69E-06	2.40E-05	3.60E-06	1.11E-05
6486	437236.5	3762271	4.27E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6487	437245.3	3762267	4.24E-05	1.45E-04	6.59E-06	2.36E-05	3.55E-06	1.10E-05
6488	437254.2	3762264	4.2E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
6489	437263.1	3762260	4.17E-05	1.42E-04	6.48E-06	2.32E-05	3.49E-06	1.08E-05
6490	437272	3762256	4.13E-05	1.41E-04	6.42E-06	2.30E-05	3.46E-06	1.07E-05
6491	437280.9	3762252	4.1E-05	1.40E-04	6.37E-06	2.28E-05	3.43E-06	1.06E-05
6492	437289.7	3762249	4.06E-05	1.39E-04	6.32E-06	2.26E-05	3.40E-06	1.05E-05
6493	437298.6	3762245	4.03E-05	1.37E-04	6.26E-06	2.24E-05	3.37E-06	1.04E-05
6494	437307.5	3762241	3.99E-05	1.36E-04	6.21E-06	2.23E-05	3.34E-06	1.03E-05
6495	437316.4	3762238	3.96E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.02E-05
6496	437325.3	3762234	3.93E-05	1.34E-04	6.10E-06	2.19E-05	3.29E-06	1.02E-05

6497	437334.1	3762230	3.9E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
6498	437343	3762226	3.86E-05	1.32E-04	6.00E-06	2.15E-05	3.23E-06	9.98E-06
6499	437351.9	3762223	3.83E-05	1.31E-04	5.96E-06	2.14E-05	3.21E-06	9.91E-06
6500	436883.8	3762709	6.19E-05	2.11E-04	9.62E-06	3.45E-05	5.18E-06	1.60E-05
6501	436883.8	3762718	6.24E-05	2.13E-04	9.70E-06	3.48E-05	5.23E-06	1.61E-05
6502	436883.8	3762728	6.29E-05	2.15E-04	9.78E-06	3.50E-05	5.27E-06	1.63E-05
6503	436883.8	3762738	6.33E-05	2.16E-04	9.84E-06	3.53E-05	5.30E-06	1.64E-05
6504	436883.8	3762747	6.36E-05	2.17E-04	9.89E-06	3.55E-05	5.33E-06	1.64E-05
6505	436883.8	3762757	6.39E-05	2.18E-04	9.93E-06	3.56E-05	5.35E-06	1.65E-05
6506	436883.8	3762767	6.41E-05	2.18E-04	9.95E-06	3.57E-05	5.36E-06	1.66E-05
6507	436883.8	3762776	6.41E-05	2.19E-04	9.97E-06	3.57E-05	5.37E-06	1.66E-05
6508	436883.8	3762786	6.41E-05	2.19E-04	9.97E-06	3.57E-05	5.37E-06	1.66E-05
6509	436883.8	3762796	6.41E-05	2.18E-04	9.95E-06	3.57E-05	5.36E-06	1.66E-05
6510	436883.8	3762806	6.39E-05	2.18E-04	9.93E-06	3.56E-05	5.35E-06	1.65E-05
6511	436883.8	3762815	6.37E-05	2.17E-04	9.89E-06	3.55E-05	5.33E-06	1.65E-05
6512	436883.8	3762825	6.34E-05	2.16E-04	9.85E-06	3.53E-05	5.30E-06	1.64E-05
6513	436883.8	3762835	6.3E-05	2.15E-04	9.79E-06	3.51E-05	5.27E-06	1.63E-05
6514	436883.8	3762844	6.26E-05	2.13E-04	9.72E-06	3.49E-05	5.24E-06	1.62E-05
6515	436864.7	3762673	5.56E-05	1.90E-04	8.65E-06	3.10E-05	4.66E-06	1.44E-05
6516	436868.3	3762664	5.56E-05	1.90E-04	8.64E-06	3.10E-05	4.65E-06	1.44E-05
6517	436871.9	3762655	5.55E-05	1.89E-04	8.63E-06	3.09E-05	4.65E-06	1.43E-05
6518	436875.5	3762646	5.54E-05	1.89E-04	8.60E-06	3.08E-05	4.63E-06	1.43E-05
6519	436879.1	3762638	5.52E-05	1.88E-04	8.57E-06	3.07E-05	4.62E-06	1.43E-05
6520	436882.7	3762629	5.49E-05	1.87E-04	8.53E-06	3.06E-05	4.60E-06	1.42E-05
6521	436886.3	3762620	5.46E-05	1.86E-04	8.49E-06	3.04E-05	4.57E-06	1.41E-05
6522	436890	3762611	5.43E-05	1.85E-04	8.44E-06	3.03E-05	4.55E-06	1.40E-05
6523	436893.6	3762602	5.4E-05	1.84E-04	8.39E-06	3.01E-05	4.52E-06	1.40E-05
6524	436897.2	3762594	5.37E-05	1.83E-04	8.34E-06	2.99E-05	4.49E-06	1.39E-05
6525	436900.8	3762585	5.33E-05	1.82E-04	8.28E-06	2.97E-05	4.46E-06	1.38E-05
6526	436904.4	3762576	5.29E-05	1.80E-04	8.22E-06	2.95E-05	4.43E-06	1.37E-05
6527	436911.7	3762559	5.2E-05	1.77E-04	8.08E-06	2.90E-05	4.35E-06	1.34E-05
6528	436915.3	3762550	5.16E-05	1.76E-04	8.01E-06	2.87E-05	4.32E-06	1.33E-05
6529	436918.9	3762541	5.11E-05	1.74E-04	7.94E-06	2.85E-05	4.28E-06	1.32E-05
6530	436922.5	3762532	5.06E-05	1.73E-04	7.86E-06	2.82E-05	4.23E-06	1.31E-05
6531	436929.7	3762515	4.96E-05	1.69E-04	7.70E-06	2.76E-05	4.15E-06	1.28E-05
6532	436933.3	3762506	4.9E-05	1.67E-04	7.62E-06	2.73E-05	4.11E-06	1.27E-05
6533	436937	3762497	4.85E-05	1.65E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
6534	436940.6	3762488	4.8E-05	1.64E-04	7.45E-06	2.67E-05	4.02E-06	1.24E-05
6535	436955	3762453	4.59E-05	1.56E-04	7.13E-06	2.56E-05	3.84E-06	1.19E-05
6536	436958.7	3762445	4.54E-05	1.55E-04	7.06E-06	2.53E-05	3.80E-06	1.17E-05
6537	436965.9	3762427	4.45E-05	1.52E-04	6.91E-06	2.48E-05	3.72E-06	1.15E-05
6538	436969.5	3762418	4.4E-05	1.50E-04	6.83E-06	2.45E-05	3.68E-06	1.14E-05
6539	436973.1	3762410	4.34E-05	1.48E-04	6.75E-06	2.42E-05	3.64E-06	1.12E-05
6540	436976.7	3762401	4.29E-05	1.46E-04	6.67E-06	2.39E-05	3.59E-06	1.11E-05
6541	436984	3762383	4.18E-05	1.43E-04	6.50E-06	2.33E-05	3.50E-06	1.08E-05
6542	436987.6	3762374	4.12E-05	1.41E-04	6.41E-06	2.30E-05	3.45E-06	1.07E-05
6543	436991.2	3762366	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.40E-06	1.05E-05
6544	436994.8	3762357	4.01E-05	1.37E-04	6.23E-06	2.23E-05	3.35E-06	1.04E-05
6545	437010.8	3762336	3.91E-05	1.33E-04	6.08E-06	2.18E-05	3.27E-06	1.01E-05
6546	437037	3762325	3.97E-05	1.36E-04	6.17E-06	2.21E-05	3.33E-06	1.03E-05
6547	437045.8	3762321	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
6548	437054.5	3762317	4.01E-05	1.37E-04	6.22E-06	2.23E-05	3.35E-06	1.04E-05

6549	437063.3	3762314	4.02E-05	1.37E-04	6.24E-06	2.24E-05	3.36E-06	1.04E-05
6550	437072	3762310	4.03E-05	1.37E-04	6.26E-06	2.24E-05	3.37E-06	1.04E-05
6551	437080.8	3762306	4.04E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
6552	437089.5	3762303	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
6553	437098.2	3762299	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
6554	437107	3762295	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
6555	437115.7	3762292	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
6556	437124.5	3762288	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
6557	437133.2	3762284	4.05E-05	1.38E-04	6.29E-06	2.26E-05	3.39E-06	1.05E-05
6558	437142	3762281	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.39E-06	1.04E-05
6559	437176.9	3762266	4E-05	1.36E-04	6.21E-06	2.23E-05	3.34E-06	1.03E-05
6560	437185.7	3762262	3.98E-05	1.36E-04	6.18E-06	2.22E-05	3.33E-06	1.03E-05
6561	437194.4	3762259	3.95E-05	1.35E-04	6.14E-06	2.20E-05	3.31E-06	1.02E-05
6562	437203.2	3762255	3.93E-05	1.34E-04	6.11E-06	2.19E-05	3.29E-06	1.02E-05
6563	437211.9	3762251	3.9E-05	1.33E-04	6.07E-06	2.17E-05	3.27E-06	1.01E-05
6564	437220.7	3762248	3.88E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
6565	437229.4	3762244	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6566	437238.2	3762240	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.19E-06	9.86E-06
6567	437246.9	3762237	3.79E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.78E-06
6568	437255.7	3762233	3.76E-05	1.28E-04	5.84E-06	2.09E-05	3.14E-06	9.71E-06
6569	437264.4	3762229	3.73E-05	1.27E-04	5.79E-06	2.08E-05	3.12E-06	9.63E-06
6570	437273.1	3762226	3.7E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.56E-06
6571	437281.9	3762222	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.48E-06
6572	437290.6	3762218	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.05E-06	9.40E-06
6573	437299.4	3762215	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.33E-06
6574	437308.1	3762211	3.58E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.25E-06
6575	437316.9	3762207	3.55E-05	1.21E-04	5.52E-06	1.98E-05	2.97E-06	9.18E-06
6576	437325.6	3762204	3.52E-05	1.20E-04	5.48E-06	1.96E-05	2.95E-06	9.11E-06
6577	437334.4	3762200	3.5E-05	1.19E-04	5.43E-06	1.95E-05	2.93E-06	9.04E-06
6578	437343.1	3762196	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.91E-06	8.97E-06
6579	437351.8	3762193	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.88E-06	8.91E-06
6580	436853.8	3762709	5.59E-05	1.91E-04	8.69E-06	3.11E-05	4.68E-06	1.44E-05
6581	436853.8	3762718	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.72E-06	1.46E-05
6582	436853.8	3762728	5.67E-05	1.93E-04	8.82E-06	3.16E-05	4.75E-06	1.47E-05
6583	436853.8	3762738	5.71E-05	1.95E-04	8.87E-06	3.18E-05	4.78E-06	1.47E-05
6584	436853.8	3762747	5.73E-05	1.96E-04	8.91E-06	3.19E-05	4.80E-06	1.48E-05
6585	436853.8	3762757	5.75E-05	1.96E-04	8.94E-06	3.21E-05	4.82E-06	1.49E-05
6586	436853.8	3762767	5.77E-05	1.97E-04	8.96E-06	3.21E-05	4.83E-06	1.49E-05
6587	436853.8	3762776	5.77E-05	1.97E-04	8.97E-06	3.22E-05	4.83E-06	1.49E-05
6588	436853.8	3762786	5.77E-05	1.97E-04	8.97E-06	3.22E-05	4.83E-06	1.49E-05
6589	436853.8	3762796	5.76E-05	1.97E-04	8.96E-06	3.21E-05	4.82E-06	1.49E-05
6590	436853.8	3762806	5.75E-05	1.96E-04	8.93E-06	3.20E-05	4.81E-06	1.49E-05
6591	436853.8	3762815	5.73E-05	1.95E-04	8.90E-06	3.19E-05	4.80E-06	1.48E-05
6592	436853.8	3762825	5.7E-05	1.94E-04	8.86E-06	3.18E-05	4.77E-06	1.47E-05
6593	436853.8	3762835	5.67E-05	1.93E-04	8.81E-06	3.16E-05	4.75E-06	1.47E-05
6594	436853.8	3762844	5.64E-05	1.92E-04	8.76E-06	3.14E-05	4.72E-06	1.46E-05
6595	436834.8	3762672	5.07E-05	1.73E-04	7.88E-06	2.83E-05	4.25E-06	1.31E-05
6596	436838.4	3762664	5.07E-05	1.73E-04	7.88E-06	2.83E-05	4.25E-06	1.31E-05
6597	436842.1	3762655	5.07E-05	1.73E-04	7.87E-06	2.82E-05	4.24E-06	1.31E-05
6598	436845.7	3762646	5.05E-05	1.72E-04	7.85E-06	2.82E-05	4.23E-06	1.31E-05
6599	436849.4	3762637	5.04E-05	1.72E-04	7.83E-06	2.81E-05	4.22E-06	1.30E-05
6600	436856.7	3762619	4.99E-05	1.70E-04	7.75E-06	2.78E-05	4.18E-06	1.29E-05

6601	436860.3	3762610	4.96E-05	1.69E-04	7.71E-06	2.76E-05	4.15E-06	1.28E-05
6602	436864	3762602	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
6603	436867.6	3762593	4.9E-05	1.67E-04	7.62E-06	2.73E-05	4.10E-06	1.27E-05
6604	436874.9	3762575	4.84E-05	1.65E-04	7.53E-06	2.70E-05	4.05E-06	1.25E-05
6605	436878.6	3762566	4.81E-05	1.64E-04	7.47E-06	2.68E-05	4.03E-06	1.24E-05
6606	436882.2	3762557	4.77E-05	1.63E-04	7.41E-06	2.66E-05	3.99E-06	1.23E-05
6607	436885.9	3762548	4.73E-05	1.61E-04	7.35E-06	2.64E-05	3.96E-06	1.22E-05
6608	436893.2	3762531	4.65E-05	1.59E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6609	436896.8	3762522	4.61E-05	1.57E-04	7.16E-06	2.57E-05	3.86E-06	1.19E-05
6610	436900.5	3762513	4.56E-05	1.56E-04	7.09E-06	2.54E-05	3.82E-06	1.18E-05
6611	436904.1	3762504	4.52E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
6612	436911.4	3762486	4.43E-05	1.51E-04	6.88E-06	2.47E-05	3.71E-06	1.14E-05
6613	436929.7	3762442	4.2E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
6614	436933.3	3762433	4.16E-05	1.42E-04	6.47E-06	2.32E-05	3.48E-06	1.08E-05
6615	436937	3762425	4.12E-05	1.41E-04	6.40E-06	2.30E-05	3.45E-06	1.07E-05
6616	436940.6	3762416	4.08E-05	1.39E-04	6.34E-06	2.27E-05	3.41E-06	1.05E-05
6617	436947.9	3762398	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
6618	436951.6	3762389	3.94E-05	1.34E-04	6.13E-06	2.20E-05	3.30E-06	1.02E-05
6619	436955.2	3762380	3.9E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
6620	436958.9	3762371	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6621	436966.2	3762354	3.75E-05	1.28E-04	5.83E-06	2.09E-05	3.14E-06	9.69E-06
6622	436969.8	3762345	3.7E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.56E-06
6623	436977.1	3762327	3.6E-05	1.23E-04	5.59E-06	2.00E-05	3.01E-06	9.29E-06
6624	436989.6	3762315	3.57E-05	1.22E-04	5.54E-06	1.99E-05	2.98E-06	9.21E-06
6625	437024.9	3762300	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.05E-06	9.40E-06
6626	437033.7	3762296	3.65E-05	1.25E-04	5.68E-06	2.04E-05	3.06E-06	9.44E-06
6627	437042.6	3762292	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.47E-06
6628	437051.4	3762289	3.68E-05	1.25E-04	5.72E-06	2.05E-05	3.08E-06	9.51E-06
6629	437060.2	3762285	3.69E-05	1.26E-04	5.73E-06	2.05E-05	3.09E-06	9.53E-06
6630	437069.1	3762281	3.7E-05	1.26E-04	5.74E-06	2.06E-05	3.09E-06	9.55E-06
6631	437077.9	3762278	3.7E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.57E-06
6632	437086.7	3762274	3.71E-05	1.26E-04	5.76E-06	2.06E-05	3.10E-06	9.58E-06
6633	437095.5	3762270	3.71E-05	1.26E-04	5.76E-06	2.07E-05	3.10E-06	9.58E-06
6634	437104.4	3762266	3.71E-05	1.26E-04	5.76E-06	2.06E-05	3.10E-06	9.58E-06
6635	437113.2	3762263	3.7E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.57E-06
6636	437122	3762259	3.7E-05	1.26E-04	5.74E-06	2.06E-05	3.09E-06	9.55E-06
6637	437130.9	3762255	3.69E-05	1.26E-04	5.73E-06	2.05E-05	3.09E-06	9.53E-06
6638	437139.7	3762252	3.68E-05	1.25E-04	5.72E-06	2.05E-05	3.08E-06	9.51E-06
6639	437148.5	3762248	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.47E-06
6640	437157.3	3762244	3.65E-05	1.25E-04	5.68E-06	2.04E-05	3.06E-06	9.44E-06
6641	437166.2	3762240	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.04E-06	9.40E-06
6642	437175	3762237	3.62E-05	1.23E-04	5.62E-06	2.01E-05	3.03E-06	9.35E-06
6643	437183.8	3762233	3.6E-05	1.23E-04	5.59E-06	2.00E-05	3.01E-06	9.29E-06
6644	437192.7	3762229	3.57E-05	1.22E-04	5.55E-06	1.99E-05	2.99E-06	9.23E-06
6645	437201.5	3762226	3.55E-05	1.21E-04	5.51E-06	1.98E-05	2.97E-06	9.17E-06
6646	437210.3	3762222	3.52E-05	1.20E-04	5.48E-06	1.96E-05	2.95E-06	9.11E-06
6647	437219.1	3762218	3.5E-05	1.19E-04	5.44E-06	1.95E-05	2.93E-06	9.04E-06
6648	437228	3762215	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.91E-06	8.97E-06
6649	437236.8	3762211	3.45E-05	1.18E-04	5.35E-06	1.92E-05	2.88E-06	8.90E-06
6650	437245.6	3762207	3.42E-05	1.17E-04	5.31E-06	1.90E-05	2.86E-06	8.83E-06
6651	437254.5	3762203	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.76E-06
6652	437263.3	3762200	3.37E-05	1.15E-04	5.23E-06	1.87E-05	2.82E-06	8.70E-06

6653	437272.1	3762196	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.79E-06	8.63E-06
6654	437280.9	3762192	3.31E-05	1.13E-04	5.15E-06	1.85E-05	2.77E-06	8.56E-06
6655	437289.8	3762189	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.75E-06	8.49E-06
6656	437298.6	3762185	3.26E-05	1.11E-04	5.07E-06	1.82E-05	2.73E-06	8.42E-06
6657	437307.4	3762181	3.23E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.36E-06
6658	437316.3	3762177	3.21E-05	1.09E-04	4.99E-06	1.79E-05	2.69E-06	8.29E-06
6659	437325.1	3762174	3.19E-05	1.09E-04	4.95E-06	1.77E-05	2.67E-06	8.23E-06
6660	437333.9	3762170	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.65E-06	8.17E-06
6661	437342.7	3762166	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
6662	437351.6	3762163	3.12E-05	1.06E-04	4.85E-06	1.74E-05	2.61E-06	8.06E-06
6663	436823.8	3762709	5.09E-05	1.73E-04	7.90E-06	2.83E-05	4.26E-06	1.31E-05
6664	436823.8	3762718	5.12E-05	1.75E-04	7.96E-06	2.85E-05	4.29E-06	1.32E-05
6665	436823.8	3762728	5.15E-05	1.76E-04	8.01E-06	2.87E-05	4.31E-06	1.33E-05
6666	436823.8	3762738	5.18E-05	1.77E-04	8.05E-06	2.89E-05	4.34E-06	1.34E-05
6667	436823.8	3762747	5.2E-05	1.77E-04	8.08E-06	2.90E-05	4.35E-06	1.34E-05
6668	436823.8	3762757	5.22E-05	1.78E-04	8.10E-06	2.91E-05	4.37E-06	1.35E-05
6669	436823.8	3762767	5.22E-05	1.78E-04	8.12E-06	2.91E-05	4.37E-06	1.35E-05
6670	436823.8	3762776	5.23E-05	1.78E-04	8.12E-06	2.91E-05	4.38E-06	1.35E-05
6671	436823.8	3762786	5.22E-05	1.78E-04	8.12E-06	2.91E-05	4.37E-06	1.35E-05
6672	436823.8	3762796	5.22E-05	1.78E-04	8.10E-06	2.91E-05	4.37E-06	1.35E-05
6673	436823.8	3762806	5.2E-05	1.77E-04	8.08E-06	2.90E-05	4.35E-06	1.34E-05
6674	436823.8	3762815	5.18E-05	1.77E-04	8.06E-06	2.89E-05	4.34E-06	1.34E-05
6675	436823.8	3762825	5.16E-05	1.76E-04	8.02E-06	2.88E-05	4.32E-06	1.33E-05
6676	436823.8	3762835	5.14E-05	1.75E-04	7.98E-06	2.86E-05	4.30E-06	1.33E-05
6677	436823.8	3762844	5.11E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
6678	436804.9	3762672	4.65E-05	1.58E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6679	436808.5	3762663	4.65E-05	1.59E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6680	436812.2	3762654	4.65E-05	1.58E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6681	436815.9	3762645	4.64E-05	1.58E-04	7.21E-06	2.58E-05	3.88E-06	1.20E-05
6682	436819.6	3762636	4.63E-05	1.58E-04	7.19E-06	2.58E-05	3.87E-06	1.20E-05
6683	436826.9	3762619	4.59E-05	1.57E-04	7.13E-06	2.56E-05	3.84E-06	1.19E-05
6684	436830.6	3762610	4.57E-05	1.56E-04	7.09E-06	2.54E-05	3.82E-06	1.18E-05
6685	436834.3	3762601	4.54E-05	1.55E-04	7.05E-06	2.53E-05	3.80E-06	1.17E-05
6686	436838	3762592	4.51E-05	1.54E-04	7.01E-06	2.51E-05	3.77E-06	1.17E-05
6687	436845.4	3762574	4.45E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6688	436849	3762565	4.42E-05	1.51E-04	6.87E-06	2.46E-05	3.70E-06	1.14E-05
6689	436852.7	3762556	4.39E-05	1.50E-04	6.82E-06	2.45E-05	3.67E-06	1.13E-05
6690	436856.4	3762547	4.36E-05	1.49E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
6691	436860.1	3762538	4.32E-05	1.47E-04	6.72E-06	2.41E-05	3.62E-06	1.12E-05
6692	436863.8	3762529	4.29E-05	1.46E-04	6.66E-06	2.39E-05	3.59E-06	1.11E-05
6693	436867.4	3762520	4.25E-05	1.45E-04	6.61E-06	2.37E-05	3.56E-06	1.10E-05
6694	436874.8	3762502	4.18E-05	1.42E-04	6.49E-06	2.33E-05	3.50E-06	1.08E-05
6695	436878.5	3762494	4.14E-05	1.41E-04	6.43E-06	2.31E-05	3.46E-06	1.07E-05
6696	436882.2	3762485	4.1E-05	1.40E-04	6.37E-06	2.28E-05	3.43E-06	1.06E-05
6697	436900.6	3762440	3.9E-05	1.33E-04	6.06E-06	2.17E-05	3.27E-06	1.01E-05
6698	436904.3	3762431	3.86E-05	1.32E-04	6.00E-06	2.15E-05	3.23E-06	9.98E-06
6699	436911.6	3762413	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.79E-06
6700	436915.3	3762404	3.75E-05	1.28E-04	5.83E-06	2.09E-05	3.14E-06	9.69E-06
6701	436919	3762395	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
6702	436922.7	3762386	3.67E-05	1.25E-04	5.71E-06	2.05E-05	3.08E-06	9.49E-06
6703	436930	3762369	3.59E-05	1.23E-04	5.58E-06	2.00E-05	3.01E-06	9.29E-06
6704	436933.7	3762360	3.55E-05	1.21E-04	5.52E-06	1.98E-05	2.97E-06	9.17E-06

6705	436941.1	3762342	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.90E-06	8.96E-06
6706	436944.8	3762333	3.42E-05	1.17E-04	5.32E-06	1.91E-05	2.86E-06	8.84E-06
6707	436948.4	3762324	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.73E-06
6708	436952.1	3762315	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.61E-06
6709	436968.4	3762293	3.26E-05	1.11E-04	5.07E-06	1.82E-05	2.73E-06	8.43E-06
6710	436995.1	3762282	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.58E-06
6711	437004	3762278	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.79E-06	8.62E-06
6712	437012.9	3762275	3.35E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.66E-06
6713	437021.8	3762271	3.36E-05	1.15E-04	5.23E-06	1.87E-05	2.82E-06	8.69E-06
6714	437030.7	3762267	3.37E-05	1.15E-04	5.24E-06	1.88E-05	2.82E-06	8.72E-06
6715	437039.6	3762263	3.38E-05	1.15E-04	5.26E-06	1.88E-05	2.83E-06	8.74E-06
6716	437048.5	3762260	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.76E-06
6717	437057.4	3762256	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.77E-06
6718	437066.3	3762252	3.4E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.78E-06
6719	437075.3	3762249	3.4E-05	1.16E-04	5.28E-06	1.89E-05	2.85E-06	8.78E-06
6720	437084.2	3762245	3.4E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.78E-06
6721	437093.1	3762241	3.4E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.78E-06
6722	437102	3762237	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.76E-06
6723	437110.9	3762234	3.38E-05	1.15E-04	5.26E-06	1.89E-05	2.83E-06	8.75E-06
6724	437119.8	3762230	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.72E-06
6725	437128.7	3762226	3.37E-05	1.15E-04	5.23E-06	1.87E-05	2.82E-06	8.70E-06
6726	437137.6	3762222	3.35E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.66E-06
6727	437146.5	3762219	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.80E-06	8.63E-06
6728	437155.4	3762215	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.59E-06
6729	437164.3	3762211	3.31E-05	1.13E-04	5.14E-06	1.84E-05	2.77E-06	8.54E-06
6730	437173.2	3762207	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.75E-06	8.49E-06
6731	437182.1	3762204	3.27E-05	1.11E-04	5.07E-06	1.82E-05	2.73E-06	8.44E-06
6732	437191	3762200	3.24E-05	1.11E-04	5.04E-06	1.81E-05	2.72E-06	8.38E-06
6733	437199.9	3762196	3.22E-05	1.10E-04	5.01E-06	1.79E-05	2.70E-06	8.32E-06
6734	437208.8	3762192	3.2E-05	1.09E-04	4.97E-06	1.78E-05	2.68E-06	8.27E-06
6735	437217.7	3762189	3.18E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.20E-06
6736	437226.6	3762185	3.15E-05	1.07E-04	4.90E-06	1.76E-05	2.64E-06	8.14E-06
6737	437235.5	3762181	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6738	437244.5	3762178	3.1E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.01E-06
6739	437253.4	3762174	3.08E-05	1.05E-04	4.78E-06	1.71E-05	2.58E-06	7.95E-06
6740	437262.3	3762170	3.05E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.89E-06
6741	437271.2	3762166	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
6742	437280.1	3762163	3.01E-05	1.03E-04	4.67E-06	1.67E-05	2.52E-06	7.77E-06
6743	437289	3762159	2.98E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
6744	437297.9	3762155	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.65E-06
6745	437306.8	3762151	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.59E-06
6746	437315.7	3762148	2.92E-05	9.95E-05	4.53E-06	1.62E-05	2.44E-06	7.54E-06
6747	437324.6	3762144	2.9E-05	9.88E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
6748	437333.5	3762140	2.88E-05	9.81E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
6749	437342.4	3762136	2.86E-05	9.74E-05	4.44E-06	1.59E-05	2.39E-06	7.38E-06
6750	437351.3	3762133	2.84E-05	9.68E-05	4.41E-06	1.58E-05	2.38E-06	7.34E-06
6751	436793.8	3762709	4.65E-05	1.59E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6752	436793.8	3762718	4.68E-05	1.60E-04	7.27E-06	2.61E-05	3.92E-06	1.21E-05
6753	436793.8	3762728	4.7E-05	1.60E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
6754	436793.8	3762738	4.72E-05	1.61E-04	7.34E-06	2.63E-05	3.95E-06	1.22E-05
6755	436793.8	3762747	4.74E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.23E-05
6756	436793.8	3762757	4.75E-05	1.62E-04	7.38E-06	2.65E-05	3.98E-06	1.23E-05

6757	436793.8	3762767	4.76E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
6758	436793.8	3762776	4.76E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
6759	436793.8	3762786	4.75E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
6760	436793.8	3762796	4.75E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.23E-05
6761	436793.8	3762806	4.73E-05	1.61E-04	7.35E-06	2.64E-05	3.96E-06	1.22E-05
6762	436793.8	3762815	4.72E-05	1.61E-04	7.33E-06	2.63E-05	3.95E-06	1.22E-05
6763	436793.8	3762825	4.7E-05	1.60E-04	7.30E-06	2.62E-05	3.93E-06	1.21E-05
6764	436793.8	3762835	4.67E-05	1.59E-04	7.26E-06	2.60E-05	3.91E-06	1.21E-05
6765	436793.8	3762844	4.65E-05	1.59E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6766	436793.8	3762854	4.62E-05	1.58E-04	7.18E-06	2.57E-05	3.87E-06	1.19E-05
6767	436767.4	3762690	4.25E-05	1.45E-04	6.61E-06	2.37E-05	3.56E-06	1.10E-05
6768	436771.1	3762681	4.27E-05	1.45E-04	6.63E-06	2.38E-05	3.57E-06	1.10E-05
6769	436774.7	3762672	4.27E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6770	436778.3	3762664	4.28E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6771	436782	3762655	4.28E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6772	436785.6	3762646	4.27E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6773	436789.2	3762637	4.26E-05	1.45E-04	6.63E-06	2.38E-05	3.57E-06	1.10E-05
6774	436792.9	3762628	4.25E-05	1.45E-04	6.61E-06	2.37E-05	3.56E-06	1.10E-05
6775	436796.5	3762620	4.24E-05	1.45E-04	6.59E-06	2.36E-05	3.55E-06	1.10E-05
6776	436800.1	3762611	4.22E-05	1.44E-04	6.56E-06	2.35E-05	3.54E-06	1.09E-05
6777	436803.8	3762602	4.2E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
6778	436807.4	3762593	4.18E-05	1.43E-04	6.49E-06	2.33E-05	3.50E-06	1.08E-05
6779	436811	3762584	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
6780	436814.7	3762576	4.12E-05	1.41E-04	6.41E-06	2.30E-05	3.45E-06	1.07E-05
6781	436818.3	3762567	4.1E-05	1.40E-04	6.36E-06	2.28E-05	3.43E-06	1.06E-05
6782	436821.9	3762558	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.40E-06	1.05E-05
6783	436825.6	3762549	4.04E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
6784	436829.2	3762540	4.01E-05	1.37E-04	6.23E-06	2.23E-05	3.35E-06	1.04E-05
6785	436832.8	3762532	3.98E-05	1.36E-04	6.18E-06	2.22E-05	3.33E-06	1.03E-05
6786	436836.5	3762523	3.95E-05	1.35E-04	6.14E-06	2.20E-05	3.31E-06	1.02E-05
6787	436840.1	3762514	3.92E-05	1.34E-04	6.09E-06	2.18E-05	3.28E-06	1.01E-05
6788	436843.7	3762505	3.89E-05	1.33E-04	6.04E-06	2.16E-05	3.25E-06	1.00E-05
6789	436847.4	3762496	3.85E-05	1.31E-04	5.99E-06	2.15E-05	3.23E-06	9.96E-06
6790	436851	3762487	3.82E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.87E-06
6791	436854.6	3762479	3.79E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.79E-06
6792	436858.3	3762470	3.75E-05	1.28E-04	5.83E-06	2.09E-05	3.14E-06	9.70E-06
6793	436872.8	3762435	3.62E-05	1.23E-04	5.62E-06	2.01E-05	3.03E-06	9.35E-06
6794	436876.4	3762426	3.58E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.26E-06
6795	436880.1	3762417	3.55E-05	1.21E-04	5.51E-06	1.98E-05	2.97E-06	9.17E-06
6796	436883.7	3762408	3.51E-05	1.20E-04	5.46E-06	1.96E-05	2.94E-06	9.08E-06
6797	436887.3	3762399	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.91E-06	8.99E-06
6798	436891	3762391	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.90E-06
6799	436894.6	3762382	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.86E-06	8.82E-06
6800	436898.2	3762373	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.74E-06
6801	436901.9	3762364	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.79E-06	8.62E-06
6802	436905.5	3762355	3.3E-05	1.13E-04	5.13E-06	1.84E-05	2.77E-06	8.54E-06
6803	436909.1	3762346	3.27E-05	1.12E-04	5.08E-06	1.82E-05	2.74E-06	8.45E-06
6804	436912.8	3762338	3.24E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.36E-06
6805	436916.4	3762329	3.2E-05	1.09E-04	4.98E-06	1.78E-05	2.68E-06	8.27E-06
6806	436920	3762320	3.17E-05	1.08E-04	4.92E-06	1.76E-05	2.65E-06	8.18E-06
6807	436923.7	3762311	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6808	436927.3	3762302	3.09E-05	1.05E-04	4.80E-06	1.72E-05	2.59E-06	7.98E-06

6809	436930.9	3762294	3.05E-05	1.04E-04	4.74E-06	1.70E-05	2.55E-06	7.88E-06
6810	436934.6	3762285	3.01E-05	1.03E-04	4.68E-06	1.68E-05	2.52E-06	7.79E-06
6811	436947	3762272	3E-05	1.02E-04	4.66E-06	1.67E-05	2.51E-06	7.75E-06
6812	436982.1	3762258	3.07E-05	1.05E-04	4.76E-06	1.71E-05	2.57E-06	7.92E-06
6813	436990.9	3762254	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.96E-06
6814	436999.7	3762250	3.09E-05	1.05E-04	4.81E-06	1.72E-05	2.59E-06	7.99E-06
6815	437008.5	3762246	3.1E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
6816	437017.3	3762243	3.11E-05	1.06E-04	4.83E-06	1.73E-05	2.60E-06	8.04E-06
6817	437026.1	3762239	3.12E-05	1.06E-04	4.85E-06	1.74E-05	2.61E-06	8.06E-06
6818	437034.9	3762235	3.12E-05	1.07E-04	4.85E-06	1.74E-05	2.61E-06	8.07E-06
6819	437043.7	3762232	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6820	437052.5	3762228	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6821	437061.2	3762224	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6822	437070	3762221	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6823	437078.8	3762217	3.12E-05	1.07E-04	4.85E-06	1.74E-05	2.61E-06	8.07E-06
6824	437087.6	3762213	3.12E-05	1.06E-04	4.85E-06	1.74E-05	2.61E-06	8.06E-06
6825	437096.4	3762210	3.11E-05	1.06E-04	4.84E-06	1.73E-05	2.61E-06	8.04E-06
6826	437105.2	3762206	3.1E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
6827	437114	3762202	3.09E-05	1.06E-04	4.81E-06	1.72E-05	2.59E-06	8.00E-06
6828	437122.8	3762199	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.97E-06
6829	437131.5	3762195	3.07E-05	1.05E-04	4.77E-06	1.71E-05	2.57E-06	7.94E-06
6830	437140.3	3762191	3.06E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.90E-06
6831	437149.1	3762187	3.04E-05	1.04E-04	4.73E-06	1.69E-05	2.55E-06	7.86E-06
6832	437157.9	3762184	3.02E-05	1.03E-04	4.70E-06	1.69E-05	2.53E-06	7.82E-06
6833	437166.7	3762180	3.01E-05	1.03E-04	4.67E-06	1.68E-05	2.52E-06	7.77E-06
6834	437175.5	3762176	2.99E-05	1.02E-04	4.64E-06	1.67E-05	2.50E-06	7.72E-06
6835	437184.3	3762173	2.97E-05	1.01E-04	4.61E-06	1.65E-05	2.49E-06	7.67E-06
6836	437193.1	3762169	2.95E-05	1.01E-04	4.58E-06	1.64E-05	2.47E-06	7.62E-06
6837	437201.8	3762165	2.93E-05	9.99E-05	4.55E-06	1.63E-05	2.45E-06	7.57E-06
6838	437210.6	3762162	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
6839	437219.4	3762158	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
6840	437228.2	3762154	2.87E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.41E-06
6841	437237	3762151	2.84E-05	9.70E-05	4.42E-06	1.58E-05	2.38E-06	7.35E-06
6842	437245.8	3762147	2.82E-05	9.62E-05	4.39E-06	1.57E-05	2.36E-06	7.29E-06
6843	437254.6	3762143	2.8E-05	9.55E-05	4.35E-06	1.56E-05	2.34E-06	7.24E-06
6844	437263.4	3762140	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.18E-06
6845	437272.1	3762136	2.76E-05	9.41E-05	4.29E-06	1.54E-05	2.31E-06	7.13E-06
6846	437280.9	3762132	2.74E-05	9.34E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
6847	437289.7	3762128	2.72E-05	9.27E-05	4.23E-06	1.51E-05	2.28E-06	7.03E-06
6848	437298.5	3762125	2.7E-05	9.21E-05	4.20E-06	1.50E-05	2.26E-06	6.98E-06
6849	437307.3	3762121	2.68E-05	9.14E-05	4.17E-06	1.49E-05	2.24E-06	6.93E-06
6850	437316.1	3762117	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
6851	437324.9	3762114	2.65E-05	9.02E-05	4.11E-06	1.47E-05	2.22E-06	6.84E-06
6852	437333.7	3762110	2.63E-05	8.97E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06
6853	437342.5	3762106	2.61E-05	8.91E-05	4.06E-06	1.46E-05	2.19E-06	6.75E-06
6854	437351.2	3762103	2.6E-05	8.86E-05	4.04E-06	1.45E-05	2.18E-06	6.71E-06
6855	436763.8	3762699	4.24E-05	1.45E-04	6.59E-06	2.36E-05	3.55E-06	1.10E-05
6856	436763.8	3762709	4.27E-05	1.46E-04	6.63E-06	2.38E-05	3.57E-06	1.10E-05
6857	436763.8	3762718	4.29E-05	1.46E-04	6.67E-06	2.39E-05	3.59E-06	1.11E-05
6858	436763.8	3762728	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
6859	436763.8	3762738	4.33E-05	1.48E-04	6.72E-06	2.41E-05	3.62E-06	1.12E-05
6860	436763.8	3762747	4.34E-05	1.48E-04	6.74E-06	2.42E-05	3.63E-06	1.12E-05

6861	436763.8	3762757	4.35E-05	1.48E-04	6.75E-06	2.42E-05	3.64E-06	1.12E-05
6862	436763.8	3762767	4.35E-05	1.48E-04	6.76E-06	2.42E-05	3.64E-06	1.12E-05
6863	436763.8	3762776	4.35E-05	1.48E-04	6.76E-06	2.42E-05	3.64E-06	1.12E-05
6864	436763.8	3762786	4.35E-05	1.48E-04	6.75E-06	2.42E-05	3.64E-06	1.12E-05
6865	436763.8	3762796	4.34E-05	1.48E-04	6.74E-06	2.42E-05	3.63E-06	1.12E-05
6866	436763.8	3762806	4.33E-05	1.48E-04	6.72E-06	2.41E-05	3.62E-06	1.12E-05
6867	436763.8	3762815	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
6868	436763.8	3762825	4.3E-05	1.46E-04	6.68E-06	2.39E-05	3.60E-06	1.11E-05
6869	436763.8	3762835	4.28E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6870	436763.8	3762844	4.25E-05	1.45E-04	6.61E-06	2.37E-05	3.56E-06	1.10E-05
6871	436763.8	3762854	4.23E-05	1.44E-04	6.57E-06	2.36E-05	3.54E-06	1.09E-05
6872	436727.5	3762690	3.83E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.88E-06
6873	436731.1	3762681	3.84E-05	1.31E-04	5.96E-06	2.14E-05	3.21E-06	9.91E-06
6874	436734.7	3762672	3.84E-05	1.31E-04	5.97E-06	2.14E-05	3.22E-06	9.93E-06
6875	436738.4	3762664	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6876	436742	3762655	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6877	436745.7	3762646	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6878	436749.3	3762637	3.84E-05	1.31E-04	5.97E-06	2.14E-05	3.22E-06	9.93E-06
6879	436753	3762628	3.83E-05	1.31E-04	5.96E-06	2.14E-05	3.21E-06	9.91E-06
6880	436756.6	3762619	3.82E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.88E-06
6881	436760.3	3762610	3.81E-05	1.30E-04	5.92E-06	2.12E-05	3.19E-06	9.85E-06
6882	436763.9	3762602	3.8E-05	1.29E-04	5.90E-06	2.11E-05	3.18E-06	9.81E-06
6883	436767.6	3762593	3.78E-05	1.29E-04	5.87E-06	2.11E-05	3.16E-06	9.77E-06
6884	436771.2	3762584	3.76E-05	1.28E-04	5.84E-06	2.09E-05	3.15E-06	9.72E-06
6885	436774.9	3762575	3.74E-05	1.27E-04	5.81E-06	2.08E-05	3.13E-06	9.66E-06
6886	436778.5	3762566	3.72E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.60E-06
6887	436782.2	3762557	3.69E-05	1.26E-04	5.73E-06	2.06E-05	3.09E-06	9.54E-06
6888	436785.8	3762549	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.47E-06
6889	436789.5	3762540	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.05E-06	9.40E-06
6890	436793.1	3762531	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.33E-06
6891	436796.8	3762522	3.59E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.27E-06
6892	436800.4	3762513	3.56E-05	1.21E-04	5.53E-06	1.98E-05	2.98E-06	9.20E-06
6893	436804.1	3762504	3.53E-05	1.20E-04	5.49E-06	1.97E-05	2.96E-06	9.12E-06
6894	436807.7	3762495	3.5E-05	1.19E-04	5.44E-06	1.95E-05	2.93E-06	9.05E-06
6895	436811.3	3762487	3.47E-05	1.18E-04	5.40E-06	1.93E-05	2.91E-06	8.97E-06
6896	436815	3762478	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.90E-06
6897	436818.6	3762469	3.42E-05	1.17E-04	5.31E-06	1.90E-05	2.86E-06	8.83E-06
6898	436822.3	3762460	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.76E-06
6899	436840.5	3762416	3.24E-05	1.11E-04	5.04E-06	1.81E-05	2.72E-06	8.38E-06
6900	436844.2	3762407	3.21E-05	1.10E-04	4.99E-06	1.79E-05	2.69E-06	8.31E-06
6901	436847.8	3762398	3.18E-05	1.09E-04	4.95E-06	1.77E-05	2.66E-06	8.22E-06
6902	436851.5	3762389	3.15E-05	1.07E-04	4.90E-06	1.76E-05	2.64E-06	8.15E-06
6903	436855.1	3762380	3.12E-05	1.07E-04	4.85E-06	1.74E-05	2.61E-06	8.07E-06
6904	436858.8	3762372	3.1E-05	1.06E-04	4.81E-06	1.72E-05	2.59E-06	8.00E-06
6905	436862.4	3762363	3.05E-05	1.04E-04	4.74E-06	1.70E-05	2.55E-06	7.89E-06
6906	436866.1	3762354	3.03E-05	1.03E-04	4.70E-06	1.69E-05	2.53E-06	7.82E-06
6907	436869.7	3762345	3E-05	1.02E-04	4.66E-06	1.67E-05	2.51E-06	7.75E-06
6908	436873.4	3762336	2.97E-05	1.01E-04	4.61E-06	1.65E-05	2.49E-06	7.67E-06
6909	436877	3762327	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.60E-06
6910	436880.7	3762319	2.91E-05	9.94E-05	4.53E-06	1.62E-05	2.44E-06	7.53E-06
6911	436884.3	3762310	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.42E-06	7.46E-06
6912	436887.9	3762301	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06

6913	436891.6	3762292	2.83E-05	9.65E-05	4.40E-06	1.58E-05	2.37E-06	7.31E-06
6914	436895.2	3762283	2.8E-05	9.55E-05	4.35E-06	1.56E-05	2.34E-06	7.24E-06
6915	436898.9	3762274	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
6916	436902.5	3762265	2.74E-05	9.35E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
6917	436906.2	3762257	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
6918	436918.7	3762244	2.7E-05	9.20E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
6919	436953.9	3762229	2.75E-05	9.39E-05	4.28E-06	1.53E-05	2.31E-06	7.12E-06
6920	436962.8	3762226	2.77E-05	9.43E-05	4.30E-06	1.54E-05	2.31E-06	7.15E-06
6921	436971.6	3762222	2.78E-05	9.47E-05	4.31E-06	1.55E-05	2.32E-06	7.17E-06
6922	436980.4	3762218	2.78E-05	9.50E-05	4.33E-06	1.55E-05	2.33E-06	7.20E-06
6923	436989.2	3762214	2.79E-05	9.53E-05	4.34E-06	1.56E-05	2.34E-06	7.22E-06
6924	436998.1	3762211	2.8E-05	9.55E-05	4.35E-06	1.56E-05	2.34E-06	7.24E-06
6925	437006.9	3762207	2.81E-05	9.57E-05	4.36E-06	1.56E-05	2.35E-06	7.25E-06
6926	437015.7	3762203	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.26E-06
6927	437024.5	3762200	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
6928	437033.3	3762196	2.81E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
6929	437042.2	3762192	2.81E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
6930	437051	3762189	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.27E-06
6931	437059.8	3762185	2.81E-05	9.58E-05	4.36E-06	1.56E-05	2.35E-06	7.26E-06
6932	437068.6	3762181	2.8E-05	9.56E-05	4.36E-06	1.56E-05	2.35E-06	7.24E-06
6933	437077.5	3762177	2.8E-05	9.54E-05	4.35E-06	1.56E-05	2.34E-06	7.23E-06
6934	437086.3	3762174	2.79E-05	9.51E-05	4.34E-06	1.55E-05	2.34E-06	7.21E-06
6935	437095.1	3762170	2.78E-05	9.49E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
6936	437103.9	3762166	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
6937	437112.7	3762163	2.76E-05	9.42E-05	4.29E-06	1.54E-05	2.31E-06	7.14E-06
6938	437121.6	3762159	2.75E-05	9.38E-05	4.27E-06	1.53E-05	2.30E-06	7.10E-06
6939	437130.4	3762155	2.74E-05	9.33E-05	4.25E-06	1.52E-05	2.29E-06	7.07E-06
6940	437139.2	3762152	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
6941	437148	3762148	2.71E-05	9.23E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
6942	437156.9	3762144	2.69E-05	9.18E-05	4.18E-06	1.50E-05	2.25E-06	6.95E-06
6943	437165.7	3762140	2.68E-05	9.12E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
6944	437174.5	3762137	2.66E-05	9.07E-05	4.13E-06	1.48E-05	2.23E-06	6.87E-06
6945	437183.3	3762133	2.64E-05	9.01E-05	4.11E-06	1.47E-05	2.21E-06	6.83E-06
6946	437192.2	3762129	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
6947	437201	3762126	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.73E-06
6948	437209.8	3762122	2.59E-05	8.82E-05	4.02E-06	1.44E-05	2.17E-06	6.68E-06
6949	437218.6	3762118	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
6950	437227.4	3762114	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.59E-06
6951	437236.3	3762111	2.53E-05	8.63E-05	3.93E-06	1.41E-05	2.12E-06	6.54E-06
6952	437245.1	3762107	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
6953	437253.9	3762103	2.49E-05	8.50E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
6954	437262.7	3762100	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
6955	437271.6	3762096	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
6956	437280.4	3762092	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
6957	437289.2	3762089	2.43E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
6958	436723.8	3762699	3.81E-05	1.30E-04	5.92E-06	2.12E-05	3.19E-06	9.85E-06
6959	436723.8	3762709	3.83E-05	1.31E-04	5.95E-06	2.13E-05	3.21E-06	9.90E-06
6960	436723.8	3762718	3.85E-05	1.31E-04	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6961	436723.8	3762728	3.86E-05	1.32E-04	6.00E-06	2.15E-05	3.23E-06	9.98E-06
6962	436723.8	3762738	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
6963	436723.8	3762747	3.88E-05	1.32E-04	6.03E-06	2.16E-05	3.25E-06	1.00E-05
6964	436723.8	3762757	3.89E-05	1.33E-04	6.04E-06	2.16E-05	3.25E-06	1.00E-05

6965	436723.8	3762767	3.89E-05	1.33E-04	6.04E-06	2.17E-05	3.25E-06	1.00E-05
6966	436723.8	3762776	3.89E-05	1.33E-04	6.04E-06	2.17E-05	3.25E-06	1.00E-05
6967	436723.8	3762786	3.88E-05	1.32E-04	6.03E-06	2.16E-05	3.25E-06	1.00E-05
6968	436723.8	3762796	3.88E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
6969	436723.8	3762806	3.87E-05	1.32E-04	6.01E-06	2.15E-05	3.24E-06	9.99E-06
6970	436723.8	3762815	3.85E-05	1.31E-04	5.99E-06	2.15E-05	3.23E-06	9.96E-06
6971	436723.8	3762825	3.84E-05	1.31E-04	5.96E-06	2.14E-05	3.21E-06	9.92E-06
6972	436723.8	3762835	3.82E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.87E-06
6973	436723.8	3762844	3.8E-05	1.30E-04	5.91E-06	2.12E-05	3.18E-06	9.83E-06
6974	436723.8	3762854	3.78E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.77E-06
6975	436687.5	3762690	3.46E-05	1.18E-04	5.37E-06	1.93E-05	2.89E-06	8.94E-06
6976	436691.1	3762681	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.90E-06	8.96E-06
6977	436694.8	3762672	3.48E-05	1.19E-04	5.40E-06	1.94E-05	2.91E-06	8.99E-06
6978	436698.4	3762663	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.92E-06	9.00E-06
6979	436702.1	3762655	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.01E-06
6980	436705.8	3762646	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.01E-06
6981	436709.4	3762637	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.01E-06
6982	436713.1	3762628	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.91E-06	8.99E-06
6983	436716.7	3762619	3.47E-05	1.18E-04	5.40E-06	1.93E-05	2.91E-06	8.97E-06
6984	436720.4	3762610	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.95E-06
6985	436724.1	3762601	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.92E-06
6986	436727.7	3762592	3.44E-05	1.17E-04	5.34E-06	1.91E-05	2.88E-06	8.88E-06
6987	436731.4	3762584	3.42E-05	1.17E-04	5.31E-06	1.90E-05	2.86E-06	8.84E-06
6988	436735	3762575	3.4E-05	1.16E-04	5.29E-06	1.90E-05	2.85E-06	8.79E-06
6989	436738.7	3762566	3.38E-05	1.15E-04	5.26E-06	1.88E-05	2.83E-06	8.74E-06
6990	436742.4	3762557	3.36E-05	1.15E-04	5.23E-06	1.87E-05	2.82E-06	8.69E-06
6991	436746	3762548	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.80E-06	8.64E-06
6992	436749.7	3762539	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.58E-06
6993	436753.4	3762530	3.3E-05	1.12E-04	5.12E-06	1.84E-05	2.76E-06	8.52E-06
6994	436757	3762521	3.27E-05	1.12E-04	5.09E-06	1.82E-05	2.74E-06	8.46E-06
6995	436760.7	3762513	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
6996	436764.3	3762504	3.23E-05	1.10E-04	5.01E-06	1.80E-05	2.70E-06	8.33E-06
6997	436768	3762495	3.2E-05	1.09E-04	4.97E-06	1.78E-05	2.68E-06	8.27E-06
6998	436771.7	3762486	3.18E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.20E-06
6999	436775.3	3762477	3.15E-05	1.07E-04	4.90E-06	1.76E-05	2.64E-06	8.14E-06
7000	436779	3762468	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
7001	436782.6	3762459	3.1E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
7002	436786.3	3762450	3.08E-05	1.05E-04	4.78E-06	1.71E-05	2.58E-06	7.95E-06
7003	436790	3762442	3.05E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.89E-06
7004	436793.6	3762433	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
7005	436811.9	3762388	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
7006	436815.6	3762379	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
7007	436819.2	3762370	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.39E-06	7.39E-06
7008	436822.9	3762362	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
7009	436826.6	3762353	2.81E-05	9.58E-05	4.36E-06	1.56E-05	2.35E-06	7.26E-06
7010	436830.2	3762344	2.78E-05	9.49E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
7011	436833.9	3762335	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
7012	436837.5	3762326	2.73E-05	9.31E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
7013	436841.2	3762317	2.71E-05	9.23E-05	4.21E-06	1.51E-05	2.27E-06	6.99E-06
7014	436844.9	3762308	2.68E-05	9.15E-05	4.17E-06	1.49E-05	2.25E-06	6.93E-06
7015	436848.5	3762299	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.87E-06
7016	436852.2	3762291	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.81E-06

7017	436855.8	3762282	2.61E-05	8.90E-05	4.06E-06	1.45E-05	2.18E-06	6.74E-06
7018	436859.5	3762273	2.59E-05	8.82E-05	4.02E-06	1.44E-05	2.16E-06	6.68E-06
7019	436863.2	3762264	2.56E-05	8.73E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
7020	436866.8	3762255	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
7021	436870.5	3762246	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
7022	436874.1	3762237	2.48E-05	8.47E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
7023	436877.8	3762228	2.45E-05	8.37E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
7024	436890.3	3762216	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
7025	436925.7	3762201	2.49E-05	8.48E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
7026	436934.6	3762197	2.5E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
7027	436943.4	3762194	2.5E-05	8.54E-05	3.89E-06	1.40E-05	2.10E-06	6.47E-06
7028	436952.3	3762190	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
7029	436961.1	3762186	2.52E-05	8.59E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
7030	436970	3762182	2.53E-05	8.61E-05	3.93E-06	1.41E-05	2.11E-06	6.53E-06
7031	436978.8	3762179	2.53E-05	8.63E-05	3.93E-06	1.41E-05	2.12E-06	6.54E-06
7032	436987.7	3762175	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
7033	436996.6	3762171	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.56E-06
7034	437005.4	3762168	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
7035	437014.3	3762164	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
7036	437023.1	3762160	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
7037	437032	3762156	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.56E-06
7038	437120.5	3762119	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.07E-06	6.38E-06
7039	437129.3	3762116	2.46E-05	8.37E-05	3.82E-06	1.37E-05	2.06E-06	6.34E-06
7040	437138.2	3762112	2.44E-05	8.33E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
7041	437147.1	3762108	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
7042	437155.9	3762104	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.24E-06
7043	437164.8	3762101	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
7044	437173.6	3762097	2.38E-05	8.13E-05	3.70E-06	1.33E-05	2.00E-06	6.16E-06
7045	437182.5	3762093	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.12E-06
7046	437191.3	3762090	2.35E-05	8.02E-05	3.65E-06	1.31E-05	1.97E-06	6.08E-06
7047	437200.2	3762086	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
7048	436683.8	3762699	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.90E-06
7049	436683.8	3762709	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.94E-06
7050	436683.8	3762718	3.47E-05	1.18E-04	5.40E-06	1.94E-05	2.91E-06	8.98E-06
7051	436683.8	3762728	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.92E-06	9.00E-06
7052	436683.8	3762738	3.49E-05	1.19E-04	5.43E-06	1.95E-05	2.92E-06	9.02E-06
7053	436683.8	3762747	3.5E-05	1.19E-04	5.43E-06	1.95E-05	2.93E-06	9.04E-06
7054	436683.8	3762757	3.5E-05	1.19E-04	5.44E-06	1.95E-05	2.93E-06	9.04E-06
7055	436683.8	3762767	0.000035	1.19E-04	5.44E-06	1.95E-05	2.93E-06	9.04E-06
7056	436683.8	3762776	3.5E-05	1.19E-04	5.43E-06	1.95E-05	2.93E-06	9.04E-06
7057	436683.8	3762786	3.49E-05	1.19E-04	5.43E-06	1.95E-05	2.92E-06	9.02E-06
7058	436683.8	3762796	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.01E-06
7059	436683.8	3762806	3.48E-05	1.19E-04	5.40E-06	1.94E-05	2.91E-06	8.99E-06
7060	436683.8	3762815	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.90E-06	8.96E-06
7061	436683.8	3762825	3.46E-05	1.18E-04	5.37E-06	1.92E-05	2.89E-06	8.93E-06
7062	436683.8	3762835	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.89E-06
7063	436683.8	3762844	3.42E-05	1.17E-04	5.32E-06	1.91E-05	2.87E-06	8.85E-06
7064	436683.8	3762854	3.41E-05	1.16E-04	5.29E-06	1.90E-05	2.85E-06	8.80E-06
7065	436647.5	3762690	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
7066	436651.1	3762681	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.64E-06	8.16E-06
7067	436654.8	3762672	3.17E-05	1.08E-04	4.92E-06	1.76E-05	2.65E-06	8.18E-06
7068	436658.5	3762663	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.20E-06

7069	436662.2	3762654	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.21E-06
7070	436665.8	3762645	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.21E-06
7071	436669.5	3762637	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.21E-06
7072	436673.2	3762628	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.66E-06	8.20E-06
7073	436676.8	3762619	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.65E-06	8.19E-06
7074	436680.5	3762610	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.65E-06	8.17E-06
7075	436684.2	3762601	3.15E-05	1.08E-04	4.90E-06	1.76E-05	2.64E-06	8.15E-06
7076	436687.9	3762592	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
7077	436691.5	3762583	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
7078	436695.2	3762574	3.11E-05	1.06E-04	4.84E-06	1.73E-05	2.61E-06	8.05E-06
7079	436698.9	3762565	3.1E-05	1.06E-04	4.81E-06	1.73E-05	2.59E-06	8.01E-06
7080	436702.6	3762556	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.96E-06
7081	436706.2	3762548	3.06E-05	1.04E-04	4.76E-06	1.71E-05	2.56E-06	7.92E-06
7082	436709.9	3762539	3.05E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.87E-06
7083	436713.6	3762530	3.03E-05	1.03E-04	4.70E-06	1.69E-05	2.53E-06	7.82E-06
7084	436717.2	3762521	3.01E-05	1.02E-04	4.67E-06	1.67E-05	2.52E-06	7.77E-06
7085	436720.9	3762512	2.98E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
7086	436724.6	3762503	2.96E-05	1.01E-04	4.61E-06	1.65E-05	2.48E-06	7.66E-06
7087	436728.3	3762494	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.60E-06
7088	436746.6	3762450	2.83E-05	9.66E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
7089	436750.3	3762441	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.27E-06
7090	436754	3762432	2.79E-05	9.52E-05	4.34E-06	1.56E-05	2.34E-06	7.21E-06
7091	436757.6	3762423	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
7092	436761.3	3762414	2.75E-05	9.38E-05	4.27E-06	1.53E-05	2.30E-06	7.11E-06
7093	436765	3762405	2.73E-05	9.31E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
7094	436790.7	3762343	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.69E-06
7095	436794.3	3762334	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
7096	436798	3762325	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
7097	436801.7	3762316	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
7098	436805.4	3762307	2.51E-05	8.55E-05	3.89E-06	1.40E-05	2.10E-06	6.48E-06
7099	436809	3762298	2.48E-05	8.47E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
7100	436812.7	3762289	2.46E-05	8.40E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
7101	436816.4	3762280	2.44E-05	8.33E-05	3.80E-06	1.36E-05	2.04E-06	6.31E-06
7102	436820	3762272	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
7103	436823.7	3762263	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
7104	436827.4	3762254	2.38E-05	8.11E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
7105	436831.1	3762245	2.35E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.08E-06
7106	436834.7	3762236	2.33E-05	7.95E-05	3.62E-06	1.30E-05	1.95E-06	6.02E-06
7107	436838.4	3762227	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.96E-06
7108	436842.1	3762218	2.28E-05	7.78E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
7109	436845.7	3762209	2.26E-05	7.70E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
7110	436849.4	3762200	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
7111	436862	3762188	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
7112	436897.5	3762173	2.26E-05	7.70E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
7113	436906.4	3762169	2.27E-05	7.74E-05	3.52E-06	1.26E-05	1.90E-06	5.86E-06
7114	436915.3	3762165	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
7115	436924.1	3762162	2.29E-05	7.80E-05	3.56E-06	1.27E-05	1.92E-06	5.91E-06
7116	436933	3762158	2.3E-05	7.83E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
7117	436941.9	3762154	2.3E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
7118	436950.8	3762150	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
7119	436959.7	3762147	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7120	436968.5	3762143	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06

7121	436977.4	3762139	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7122	436986.3	3762135	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7123	436995.2	3762132	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7124	437004.1	3762128	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7125	437012.9	3762124	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7126	437021.8	3762121	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.96E-06
7127	436643.8	3762699	3.13E-05	1.07E-04	4.87E-06	1.74E-05	2.62E-06	8.09E-06
7128	436643.8	3762709	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
7129	436643.8	3762718	3.15E-05	1.08E-04	4.90E-06	1.76E-05	2.64E-06	8.15E-06
7130	436643.8	3762728	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.65E-06	8.17E-06
7131	436643.8	3762738	3.17E-05	1.08E-04	4.92E-06	1.76E-05	2.65E-06	8.18E-06
7132	436643.8	3762747	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.65E-06	8.19E-06
7133	436643.8	3762757	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.65E-06	8.19E-06
7134	436643.8	3762767	3.17E-05	1.08E-04	4.93E-06	1.77E-05	2.65E-06	8.19E-06
7135	436643.8	3762776	3.17E-05	1.08E-04	4.92E-06	1.76E-05	2.65E-06	8.18E-06
7136	436643.8	3762786	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.65E-06	8.17E-06
7137	436643.8	3762796	3.16E-05	1.08E-04	4.90E-06	1.76E-05	2.64E-06	8.16E-06
7138	436643.8	3762806	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.64E-06	8.14E-06
7139	436643.8	3762815	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
7140	436643.8	3762825	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
7141	436643.8	3762835	3.12E-05	1.06E-04	4.84E-06	1.74E-05	2.61E-06	8.05E-06
7142	436643.8	3762844	3.1E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
7143	436643.8	3762854	3.09E-05	1.05E-04	4.80E-06	1.72E-05	2.58E-06	7.98E-06
7144	436607.5	3762690	2.87E-05	9.80E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
7145	436611.2	3762681	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
7146	436614.9	3762672	2.89E-05	9.87E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
7147	436618.5	3762663	2.9E-05	9.89E-05	4.51E-06	1.62E-05	2.43E-06	7.50E-06
7148	436622.2	3762654	2.91E-05	9.91E-05	4.52E-06	1.62E-05	2.43E-06	7.51E-06
7149	436625.9	3762645	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
7150	436629.6	3762636	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
7151	436633.3	3762627	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.43E-06	7.52E-06
7152	436636.9	3762619	2.91E-05	9.91E-05	4.51E-06	1.62E-05	2.43E-06	7.51E-06
7153	436640.6	3762610	2.9E-05	9.89E-05	4.51E-06	1.62E-05	2.43E-06	7.49E-06
7154	436644.3	3762601	2.89E-05	9.87E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
7155	436648	3762592	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
7156	436651.7	3762583	2.88E-05	9.80E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
7157	436655.4	3762574	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.40E-06	7.40E-06
7158	436659	3762565	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
7159	436662.7	3762556	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
7160	436666.4	3762547	2.82E-05	9.62E-05	4.38E-06	1.57E-05	2.36E-06	7.29E-06
7161	436670.1	3762538	2.81E-05	9.57E-05	4.36E-06	1.56E-05	2.35E-06	7.25E-06
7162	436673.8	3762529	2.79E-05	9.51E-05	4.33E-06	1.55E-05	2.33E-06	7.21E-06
7163	436677.4	3762520	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
7164	436681.1	3762511	2.75E-05	9.39E-05	4.28E-06	1.53E-05	2.31E-06	7.12E-06
7165	436684.8	3762502	2.74E-05	9.33E-05	4.25E-06	1.52E-05	2.29E-06	7.07E-06
7166	436688.5	3762494	2.72E-05	9.26E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
7167	436706.9	3762449	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
7168	436710.6	3762440	2.6E-05	8.86E-05	4.04E-06	1.45E-05	2.17E-06	6.71E-06
7169	436714.3	3762431	2.58E-05	8.80E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
7170	436717.9	3762422	2.56E-05	8.73E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
7171	436721.6	3762413	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
7172	436725.3	3762404	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06

7173	436729	3762395	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
7174	436732.7	3762386	2.49E-05	8.50E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
7175	436736.4	3762377	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
7176	436754.8	3762333	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
7177	436795.3	3762235	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
7178	436798.9	3762226	2.17E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
7179	436802.6	3762217	2.15E-05	7.35E-05	3.35E-06	1.20E-05	1.80E-06	5.57E-06
7180	436806.3	3762208	2.13E-05	7.28E-05	3.31E-06	1.19E-05	1.79E-06	5.51E-06
7181	436810	3762199	2.11E-05	7.20E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7182	436813.7	3762190	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7183	436817.4	3762181	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
7184	436821	3762172	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
7185	436833.6	3762159	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
7186	436860.3	3762148	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
7187	436869.2	3762145	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.35E-06
7188	436878.1	3762141	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
7189	436887.1	3762137	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
7190	436896	3762133	2.09E-05	7.14E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
7191	436904.9	3762130	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
7192	436913.8	3762126	2.11E-05	7.19E-05	3.27E-06	1.17E-05	1.76E-06	5.45E-06
7193	436922.7	3762122	2.11E-05	7.20E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7194	436931.6	3762118	2.12E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7195	436940.5	3762115	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7196	436949.4	3762111	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7197	436958.3	3762107	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7198	436967.2	3762103	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7199	436976.1	3762100	2.12E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7200	436985	3762096	2.11E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.46E-06
7201	436993.9	3762092	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7202	437261.1	3761980	1.83E-05	6.24E-05	2.85E-06	1.02E-05	1.53E-06	4.73E-06
7203	437270	3761976	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
7204	437278.9	3761973	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
7205	437287.8	3761969	1.8E-05	6.14E-05	2.80E-06	1.00E-05	1.51E-06	4.65E-06
7206	437296.7	3761965	1.79E-05	6.11E-05	2.78E-06	9.97E-06	1.50E-06	4.63E-06
7207	437305.6	3761961	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.61E-06
7208	437314.5	3761958	1.77E-05	6.05E-05	2.76E-06	9.89E-06	1.49E-06	4.59E-06
7209	437323.4	3761954	1.77E-05	6.03E-05	2.75E-06	9.85E-06	1.48E-06	4.57E-06
7210	437332.3	3761950	1.76E-05	6.01E-05	2.74E-06	9.81E-06	1.47E-06	4.55E-06
7211	437341.2	3761946	1.76E-05	5.99E-05	2.73E-06	9.78E-06	1.47E-06	4.54E-06
7212	437350.1	3761943	1.75E-05	5.97E-05	2.72E-06	9.75E-06	1.46E-06	4.52E-06
7213	436603.8	3762699	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.40E-06	7.40E-06
7214	436603.8	3762709	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
7215	436603.8	3762718	2.88E-05	9.82E-05	4.47E-06	1.60E-05	2.41E-06	7.44E-06
7216	436603.8	3762728	2.88E-05	9.84E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
7217	436603.8	3762738	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
7218	436603.8	3762747	2.89E-05	9.86E-05	4.49E-06	1.61E-05	2.42E-06	7.47E-06
7219	436603.8	3762757	2.89E-05	9.86E-05	4.49E-06	1.61E-05	2.42E-06	7.47E-06
7220	436603.8	3762767	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
7221	436603.8	3762776	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.42E-06	7.46E-06
7222	436603.8	3762786	2.88E-05	9.82E-05	4.48E-06	1.60E-05	2.41E-06	7.44E-06
7223	436603.8	3762796	2.87E-05	9.80E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
7224	436603.8	3762806	2.87E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.41E-06

7225	436603.8	3762815	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06
7226	436603.8	3762825	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
7227	436603.8	3762835	2.84E-05	9.68E-05	4.41E-06	1.58E-05	2.38E-06	7.33E-06
7228	436603.8	3762844	2.83E-05	9.64E-05	4.39E-06	1.57E-05	2.37E-06	7.30E-06
7229	436603.8	3762854	2.81E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
7230	436574.9	3762672	2.66E-05	9.07E-05	4.13E-06	1.48E-05	2.23E-06	6.87E-06
7231	436578.6	3762663	2.67E-05	9.09E-05	4.14E-06	1.48E-05	2.23E-06	6.89E-06
7232	436582.3	3762654	2.67E-05	9.11E-05	4.15E-06	1.49E-05	2.24E-06	6.90E-06
7233	436586	3762645	2.67E-05	9.12E-05	4.15E-06	1.49E-05	2.24E-06	6.91E-06
7234	436589.6	3762636	2.67E-05	9.12E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
7235	436593.3	3762627	2.67E-05	9.12E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
7236	436597	3762618	2.67E-05	9.12E-05	4.15E-06	1.49E-05	2.24E-06	6.91E-06
7237	436600.7	3762609	2.67E-05	9.10E-05	4.15E-06	1.49E-05	2.23E-06	6.90E-06
7238	436604.4	3762600	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
7239	436608.1	3762592	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.87E-06
7240	436611.8	3762583	2.65E-05	9.03E-05	4.12E-06	1.48E-05	2.22E-06	6.85E-06
7241	436615.5	3762574	2.64E-05	9.00E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06
7242	436619.2	3762565	2.63E-05	8.96E-05	4.08E-06	1.46E-05	2.20E-06	6.79E-06
7243	436622.9	3762556	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
7244	436626.6	3762547	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.73E-06
7245	436630.2	3762538	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
7246	436633.9	3762529	2.58E-05	8.80E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
7247	436637.6	3762520	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
7248	436641.3	3762511	2.55E-05	8.70E-05	3.96E-06	1.42E-05	2.13E-06	6.59E-06
7249	436645	3762502	2.53E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
7250	436648.7	3762493	2.52E-05	8.59E-05	3.91E-06	1.40E-05	2.11E-06	6.51E-06
7251	436652.4	3762484	2.5E-05	8.53E-05	3.89E-06	1.39E-05	2.09E-06	6.46E-06
7252	436667.2	3762448	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.03E-06	6.28E-06
7253	436670.8	3762439	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.24E-06
7254	436674.5	3762430	2.4E-05	8.17E-05	3.72E-06	1.33E-05	2.01E-06	6.19E-06
7255	436678.2	3762421	2.38E-05	8.11E-05	3.70E-06	1.32E-05	1.99E-06	6.14E-06
7256	436681.9	3762412	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
7257	436685.6	3762404	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
7258	436689.3	3762395	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
7259	436693	3762386	2.32E-05	7.90E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
7260	436707.8	3762350	2.26E-05	7.71E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
7261	436711.4	3762341	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
7262	436715.1	3762332	2.23E-05	7.60E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
7263	436718.8	3762323	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
7264	436722.5	3762314	2.2E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.68E-06
7265	436726.2	3762305	2.18E-05	7.44E-05	3.39E-06	1.22E-05	1.83E-06	5.64E-06
7266	436729.9	3762296	2.17E-05	7.39E-05	3.37E-06	1.21E-05	1.81E-06	5.60E-06
7267	436733.6	3762287	2.15E-05	7.34E-05	3.34E-06	1.20E-05	1.80E-06	5.56E-06
7268	436737.3	3762278	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7269	436741	3762269	2.12E-05	7.23E-05	3.30E-06	1.18E-05	1.78E-06	5.48E-06
7270	436744.7	3762260	2.11E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
7271	436748.4	3762251	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7272	436792.7	3762144	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.87E-06
7273	436805.3	3762131	1.87E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
7274	436832.1	3762120	1.9E-05	6.48E-05	2.95E-06	1.06E-05	1.59E-06	4.91E-06
7275	436841	3762116	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
7276	436849.9	3762113	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06

7277	436858.8	3762109	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
7278	436867.8	3762105	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.99E-06
7279	436876.7	3762101	1.94E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
7280	436885.6	3762098	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
7281	437162.4	3761981	1.79E-05	6.10E-05	2.78E-06	9.97E-06	1.50E-06	4.62E-06
7282	437171.3	3761978	1.78E-05	6.06E-05	2.76E-06	9.91E-06	1.49E-06	4.60E-06
7283	437180.2	3761974	1.77E-05	6.03E-05	2.75E-06	9.85E-06	1.48E-06	4.57E-06
7284	437189.1	3761970	1.76E-05	5.99E-05	2.73E-06	9.79E-06	1.47E-06	4.54E-06
7285	437198.1	3761966	1.75E-05	5.96E-05	2.71E-06	9.73E-06	1.46E-06	4.51E-06
7286	437207	3761963	1.74E-05	5.92E-05	2.70E-06	9.67E-06	1.45E-06	4.49E-06
7287	437215.9	3761959	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
7288	437224.9	3761955	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.43E-06
7289	437233.8	3761951	1.71E-05	5.82E-05	2.65E-06	9.50E-06	1.43E-06	4.41E-06
7290	437242.7	3761948	1.7E-05	5.78E-05	2.63E-06	9.45E-06	1.42E-06	4.38E-06
7291	437251.6	3761944	1.69E-05	5.75E-05	2.62E-06	9.39E-06	1.41E-06	4.36E-06
7292	437260.6	3761940	1.68E-05	5.72E-05	2.61E-06	9.35E-06	1.40E-06	4.33E-06
7293	437269.5	3761936	1.67E-05	5.69E-05	2.59E-06	9.30E-06	1.40E-06	4.31E-06
7294	437278.4	3761933	1.66E-05	5.66E-05	2.58E-06	9.25E-06	1.39E-06	4.29E-06
7295	437287.3	3761929	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
7296	437296.3	3761925	1.65E-05	5.61E-05	2.56E-06	9.17E-06	1.38E-06	4.25E-06
7297	437305.2	3761921	1.64E-05	5.59E-05	2.55E-06	9.13E-06	1.37E-06	4.24E-06
7298	437314.1	3761918	1.63E-05	5.57E-05	2.54E-06	9.10E-06	1.37E-06	4.22E-06
7299	437323.1	3761914	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
7300	437332	3761910	1.62E-05	5.53E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
7301	437340.9	3761906	1.62E-05	5.52E-05	2.51E-06	9.02E-06	1.35E-06	4.18E-06
7302	437349.8	3761903	1.61E-05	5.50E-05	2.51E-06	8.99E-06	1.35E-06	4.17E-06
7303	436527.4	3762690	2.43E-05	8.30E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
7304	436531.1	3762681	2.44E-05	8.34E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
7305	436534.7	3762672	2.45E-05	8.37E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
7306	436538.4	3762664	2.46E-05	8.39E-05	3.82E-06	1.37E-05	2.06E-06	6.36E-06
7307	436542	3762655	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
7308	436545.7	3762646	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
7309	436549.3	3762637	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
7310	436574.8	3762575	2.45E-05	8.35E-05	3.81E-06	1.36E-05	2.05E-06	6.33E-06
7311	436578.5	3762566	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
7312	436582.1	3762558	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.04E-06	6.28E-06
7313	436585.8	3762549	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
7314	436589.4	3762540	2.41E-05	8.22E-05	3.74E-06	1.34E-05	2.02E-06	6.23E-06
7315	436593	3762531	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
7316	436596.7	3762522	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
7317	436600.3	3762513	2.37E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
7318	436604	3762504	2.36E-05	8.05E-05	3.67E-06	1.32E-05	1.98E-06	6.10E-06
7319	436607.6	3762496	2.35E-05	8.00E-05	3.65E-06	1.31E-05	1.96E-06	6.07E-06
7320	436611.3	3762487	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
7321	436629.5	3762443	2.26E-05	7.71E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
7322	436633.1	3762434	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
7323	436636.8	3762425	2.23E-05	7.60E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
7324	436640.4	3762416	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
7325	436644.1	3762407	2.2E-05	7.50E-05	3.42E-06	1.23E-05	1.84E-06	5.68E-06
7326	436647.7	3762398	2.19E-05	7.45E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
7327	436651.4	3762390	2.17E-05	7.41E-05	3.37E-06	1.21E-05	1.82E-06	5.61E-06
7328	436665.9	3762354	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06

7329	436669.6	3762345	2.1E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
7330	436673.2	3762337	2.09E-05	7.13E-05	3.25E-06	1.17E-05	1.75E-06	5.40E-06
7331	436676.9	3762328	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
7332	436680.5	3762319	2.07E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
7333	436684.2	3762310	2.05E-05	7.00E-05	3.19E-06	1.14E-05	1.72E-06	5.30E-06
7334	436687.8	3762301	2.04E-05	6.95E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
7335	436691.4	3762292	2.02E-05	6.90E-05	3.15E-06	1.13E-05	1.69E-06	5.23E-06
7336	436695.1	3762284	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
7337	436698.7	3762275	2E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
7338	436702.4	3762266	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
7339	436706	3762257	1.97E-05	6.72E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
7340	436709.7	3762248	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
7341	436713.3	3762239	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
7342	436716.9	3762231	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
7343	436720.6	3762222	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
7344	436724.2	3762213	1.9E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
7345	436727.9	3762204	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.88E-06
7346	436731.5	3762195	1.88E-05	6.40E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06
7347	437067.6	3761981	1.74E-05	5.93E-05	2.70E-06	9.68E-06	1.46E-06	4.49E-06
7348	437076.5	3761977	1.73E-05	5.90E-05	2.69E-06	9.64E-06	1.45E-06	4.47E-06
7349	437085.3	3761974	1.72E-05	5.87E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
7350	437094.1	3761970	1.71E-05	5.84E-05	2.66E-06	9.55E-06	1.43E-06	4.43E-06
7351	437102.9	3761966	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
7352	437111.7	3761963	1.69E-05	5.78E-05	2.63E-06	9.44E-06	1.42E-06	4.38E-06
7353	437120.5	3761959	1.68E-05	5.74E-05	2.62E-06	9.39E-06	1.41E-06	4.35E-06
7354	437129.3	3761955	1.67E-05	5.71E-05	2.60E-06	9.33E-06	1.40E-06	4.33E-06
7355	437138.2	3761951	1.67E-05	5.68E-05	2.59E-06	9.28E-06	1.39E-06	4.30E-06
7356	437147	3761948	1.66E-05	5.65E-05	2.57E-06	9.23E-06	1.39E-06	4.28E-06
7357	437155.8	3761944	1.65E-05	5.62E-05	2.56E-06	9.17E-06	1.38E-06	4.26E-06
7358	437164.6	3761940	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
7359	437173.4	3761937	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
7360	437182.2	3761933	1.62E-05	5.52E-05	2.52E-06	9.02E-06	1.36E-06	4.18E-06
7361	437191	3761929	1.61E-05	5.49E-05	2.50E-06	8.97E-06	1.35E-06	4.16E-06
7362	437199.9	3761926	1.6E-05	5.46E-05	2.49E-06	8.92E-06	1.34E-06	4.14E-06
7363	437208.7	3761922	1.59E-05	5.43E-05	2.47E-06	8.87E-06	1.33E-06	4.11E-06
7364	437217.5	3761918	1.58E-05	5.40E-05	2.46E-06	8.82E-06	1.33E-06	4.09E-06
7365	437226.3	3761914	1.58E-05	5.37E-05	2.45E-06	8.77E-06	1.32E-06	4.07E-06
7366	437235.1	3761911	1.57E-05	5.34E-05	2.43E-06	8.73E-06	1.31E-06	4.05E-06
7367	437243.9	3761907	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.03E-06
7368	437252.7	3761903	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
7369	437261.6	3761900	1.54E-05	5.27E-05	2.40E-06	8.60E-06	1.29E-06	3.99E-06
7370	437270.4	3761896	1.54E-05	5.24E-05	2.39E-06	8.57E-06	1.29E-06	3.97E-06
7371	437279.2	3761892	1.53E-05	5.22E-05	2.38E-06	8.53E-06	1.28E-06	3.96E-06
7372	436523.8	3762699	2.42E-05	8.26E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
7373	436523.8	3762709	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
7374	436523.8	3762718	2.43E-05	8.30E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
7375	436523.8	3762728	2.44E-05	8.31E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
7376	436523.8	3762738	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
7377	436523.8	3762747	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
7378	436523.8	3762757	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
7379	436523.8	3762767	2.43E-05	8.30E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
7380	436523.8	3762776	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.03E-06	6.28E-06

7381	436523.8	3762786	2.43E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
7382	436523.8	3762796	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
7383	436523.8	3762806	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.24E-06
7384	436523.8	3762815	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.01E-06	6.22E-06
7385	436523.8	3762825	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
7386	436523.8	3762835	2.39E-05	8.15E-05	3.71E-06	1.33E-05	2.00E-06	6.18E-06
7387	436523.8	3762844	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
7388	436523.8	3762854	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
7389	436487.5	3762690	2.25E-05	7.69E-05	3.50E-06	1.26E-05	1.89E-06	5.83E-06
7390	436491.1	3762681	2.26E-05	7.72E-05	3.52E-06	1.26E-05	1.90E-06	5.85E-06
7391	436494.8	3762672	2.27E-05	7.75E-05	3.53E-06	1.27E-05	1.90E-06	5.87E-06
7392	436498.4	3762663	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
7393	436502.1	3762655	2.28E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
7394	436505.7	3762646	2.29E-05	7.81E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
7395	436509.4	3762637	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
7396	436513	3762628	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.93E-06
7397	436516.7	3762619	2.3E-05	7.83E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
7398	436520.3	3762610	2.29E-05	7.82E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
7399	436524	3762601	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
7400	436527.7	3762593	2.29E-05	7.81E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
7401	436531.3	3762584	2.29E-05	7.80E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
7402	436535	3762575	2.28E-05	7.78E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
7403	436538.6	3762566	2.27E-05	7.75E-05	3.53E-06	1.27E-05	1.90E-06	5.88E-06
7404	436542.3	3762557	2.27E-05	7.73E-05	3.52E-06	1.26E-05	1.90E-06	5.86E-06
7405	436545.9	3762548	2.26E-05	7.70E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
7406	436549.6	3762539	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
7407	436589.8	3762442	2.11E-05	7.20E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7408	436593.4	3762433	2.1E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
7409	436597.1	3762424	2.08E-05	7.11E-05	3.24E-06	1.16E-05	1.74E-06	5.39E-06
7410	436600.7	3762415	2.07E-05	7.06E-05	3.22E-06	1.15E-05	1.73E-06	5.35E-06
7411	436604.4	3762406	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
7412	436608	3762398	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
7413	436611.7	3762389	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
7414	436626.3	3762353	1.98E-05	6.76E-05	3.08E-06	1.10E-05	1.66E-06	5.12E-06
7415	436630	3762344	1.97E-05	6.72E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
7416	436633.6	3762336	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.06E-06
7417	436637.3	3762327	1.95E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
7418	436640.9	3762318	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	5.00E-06
7419	436644.6	3762309	1.92E-05	6.55E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
7420	436648.2	3762300	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.94E-06
7421	436651.9	3762291	1.9E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.91E-06
7422	436655.6	3762282	1.89E-05	6.44E-05	2.93E-06	1.05E-05	1.58E-06	4.88E-06
7423	436659.2	3762274	1.88E-05	6.40E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06
7424	436662.9	3762265	1.86E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
7425	436666.5	3762256	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
7426	436670.2	3762247	1.84E-05	6.27E-05	2.86E-06	1.02E-05	1.54E-06	4.75E-06
7427	436673.8	3762238	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
7428	436677.5	3762229	1.81E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
7429	436681.1	3762220	1.8E-05	6.15E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
7430	436684.8	3762212	1.79E-05	6.11E-05	2.78E-06	9.98E-06	1.50E-06	4.63E-06
7431	436688.4	3762203	1.78E-05	6.07E-05	2.77E-06	9.92E-06	1.49E-06	4.60E-06
7432	436978.2	3761978	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06

7433	436987.1	3761975	1.65E-05	5.62E-05	2.56E-06	9.19E-06	1.38E-06	4.26E-06
7434	436995.9	3761971	1.65E-05	5.61E-05	2.56E-06	9.16E-06	1.38E-06	4.25E-06
7435	437004.7	3761967	1.64E-05	5.60E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
7436	437013.6	3761964	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
7437	437022.4	3761960	1.63E-05	5.57E-05	2.54E-06	9.10E-06	1.37E-06	4.22E-06
7438	437031.3	3761956	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
7439	437040.1	3761952	1.62E-05	5.54E-05	2.52E-06	9.05E-06	1.36E-06	4.20E-06
7440	437048.9	3761949	1.62E-05	5.51E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
7441	437057.8	3761945	1.61E-05	5.49E-05	2.50E-06	8.97E-06	1.35E-06	4.16E-06
7442	437066.6	3761941	1.6E-05	5.47E-05	2.49E-06	8.93E-06	1.34E-06	4.14E-06
7443	437075.4	3761938	1.6E-05	5.44E-05	2.48E-06	8.89E-06	1.34E-06	4.12E-06
7444	437084.3	3761934	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
7445	437093.1	3761930	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
7446	437102	3761927	1.57E-05	5.35E-05	2.44E-06	8.74E-06	1.31E-06	4.05E-06
7447	437110.8	3761923	1.56E-05	5.32E-05	2.43E-06	8.69E-06	1.31E-06	4.03E-06
7448	437119.6	3761919	1.55E-05	5.29E-05	2.41E-06	8.65E-06	1.30E-06	4.01E-06
7449	437128.5	3761915	1.54E-05	5.26E-05	2.40E-06	8.60E-06	1.29E-06	3.99E-06
7450	437137.3	3761912	1.54E-05	5.24E-05	2.39E-06	8.55E-06	1.29E-06	3.97E-06
7451	437146.1	3761908	1.53E-05	5.21E-05	2.37E-06	8.51E-06	1.28E-06	3.95E-06
7452	437155	3761904	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.92E-06
7453	437163.8	3761901	1.51E-05	5.15E-05	2.35E-06	8.41E-06	1.26E-06	3.90E-06
7454	437172.7	3761897	1.5E-05	5.12E-05	2.33E-06	8.36E-06	1.26E-06	3.88E-06
7455	437181.5	3761893	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
7456	437190.3	3761889	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
7457	436483.8	3762699	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
7458	436483.8	3762709	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
7459	436483.8	3762718	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
7460	436483.8	3762728	2.25E-05	7.68E-05	3.50E-06	1.26E-05	1.89E-06	5.82E-06
7461	436483.8	3762738	2.25E-05	7.68E-05	3.50E-06	1.26E-05	1.89E-06	5.82E-06
7462	436483.8	3762747	2.25E-05	7.68E-05	3.50E-06	1.26E-05	1.89E-06	5.82E-06
7463	436483.8	3762757	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
7464	436483.8	3762767	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
7465	436483.8	3762776	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
7466	436483.8	3762786	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
7467	436483.8	3762796	2.24E-05	7.62E-05	3.47E-06	1.25E-05	1.87E-06	5.78E-06
7468	436483.8	3762806	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
7469	436483.8	3762815	2.22E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.75E-06
7470	436483.8	3762825	2.22E-05	7.56E-05	3.45E-06	1.24E-05	1.86E-06	5.73E-06
7471	436483.8	3762835	2.21E-05	7.54E-05	3.43E-06	1.23E-05	1.85E-06	5.71E-06
7472	436483.8	3762844	2.2E-05	7.51E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
7473	436483.8	3762854	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
7474	436447.5	3762690	2.1E-05	7.15E-05	3.26E-06	1.17E-05	1.75E-06	5.41E-06
7475	436451.1	3762681	2.1E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
7476	436454.8	3762672	2.11E-05	7.20E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7477	436458.5	3762663	2.12E-05	7.23E-05	3.29E-06	1.18E-05	1.77E-06	5.48E-06
7478	436462.1	3762654	2.12E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
7479	436465.8	3762646	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
7480	436469.4	3762637	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.79E-06	5.51E-06
7481	436473.1	3762628	2.14E-05	7.28E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7482	436476.8	3762619	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7483	436480.4	3762610	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7484	436484.1	3762601	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06

7485	436487.8	3762592	2.13E-05	7.28E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7486	436491.4	3762583	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
7487	436495.1	3762575	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
7488	436498.8	3762566	2.12E-05	7.24E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
7489	436502.4	3762557	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7490	436506.1	3762548	2.11E-05	7.20E-05	3.28E-06	1.18E-05	1.77E-06	5.45E-06
7491	436509.7	3762539	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
7492	436513.4	3762530	2.09E-05	7.14E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
7493	436517.1	3762521	2.08E-05	7.11E-05	3.24E-06	1.16E-05	1.74E-06	5.39E-06
7494	436520.7	3762512	2.07E-05	7.07E-05	3.22E-06	1.16E-05	1.74E-06	5.36E-06
7495	436524.4	3762503	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06
7496	436528.1	3762495	2.05E-05	7.00E-05	3.19E-06	1.14E-05	1.72E-06	5.30E-06
7497	436531.7	3762486	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
7498	436535.4	3762477	2.03E-05	6.91E-05	3.15E-06	1.13E-05	1.70E-06	5.24E-06
7499	436539	3762468	2.01E-05	6.87E-05	3.13E-06	1.12E-05	1.69E-06	5.21E-06
7500	436542.7	3762459	2E-05	6.83E-05	3.11E-06	1.12E-05	1.68E-06	5.18E-06
7501	436546.4	3762450	1.99E-05	6.79E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
7502	436583	3762361	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
7503	436586.7	3762352	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
7504	436590.3	3762344	1.85E-05	6.30E-05	2.87E-06	1.03E-05	1.55E-06	4.78E-06
7505	436594	3762335	1.84E-05	6.26E-05	2.85E-06	1.02E-05	1.54E-06	4.75E-06
7506	436597.7	3762326	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
7507	436601.3	3762317	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
7508	436605	3762308	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
7509	436608.7	3762299	1.79E-05	6.12E-05	2.79E-06	9.99E-06	1.50E-06	4.64E-06
7510	436612.3	3762290	1.78E-05	6.08E-05	2.77E-06	9.94E-06	1.49E-06	4.61E-06
7511	436616	3762281	1.77E-05	6.05E-05	2.76E-06	9.88E-06	1.48E-06	4.58E-06
7512	436619.6	3762273	1.76E-05	6.01E-05	2.74E-06	9.82E-06	1.48E-06	4.56E-06
7513	436623.3	3762264	1.75E-05	5.98E-05	2.72E-06	9.77E-06	1.47E-06	4.53E-06
7514	436627	3762255	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
7515	436630.6	3762246	1.73E-05	5.91E-05	2.69E-06	9.66E-06	1.45E-06	4.48E-06
7516	436634.3	3762237	1.72E-05	5.88E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
7517	436638	3762228	1.71E-05	5.84E-05	2.66E-06	9.55E-06	1.43E-06	4.43E-06
7518	436641.6	3762219	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
7519	436645.3	3762210	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.38E-06
7520	436648.9	3762201	1.68E-05	5.74E-05	2.62E-06	9.38E-06	1.41E-06	4.35E-06
7521	436652.6	3762193	1.67E-05	5.71E-05	2.60E-06	9.32E-06	1.40E-06	4.32E-06
7522	436656.3	3762184	1.66E-05	5.67E-05	2.58E-06	9.27E-06	1.39E-06	4.30E-06
7523	436659.9	3762175	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
7524	436663.6	3762166	1.64E-05	5.60E-05	2.55E-06	9.15E-06	1.37E-06	4.24E-06
7525	436667.3	3762157	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
7526	436670.9	3762148	1.62E-05	5.53E-05	2.52E-06	9.03E-06	1.36E-06	4.19E-06
7527	436674.6	3762139	1.61E-05	5.49E-05	2.50E-06	8.98E-06	1.35E-06	4.16E-06
7528	436678.3	3762130	1.6E-05	5.46E-05	2.49E-06	8.91E-06	1.34E-06	4.13E-06
7529	436879.6	3761980	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7530	436888.4	3761976	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7531	436897.3	3761972	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7532	436906.1	3761969	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7533	436915	3761965	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7534	436923.9	3761961	1.56E-05	5.32E-05	2.43E-06	8.69E-06	1.31E-06	4.03E-06
7535	436932.7	3761957	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.02E-06
7536	436941.6	3761954	1.55E-05	5.30E-05	2.41E-06	8.66E-06	1.30E-06	4.02E-06

7537	436950.4	3761950	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
7538	436959.3	3761946	1.55E-05	5.28E-05	2.40E-06	8.62E-06	1.29E-06	4.00E-06
7539	436968.2	3761943	1.54E-05	5.27E-05	2.40E-06	8.60E-06	1.29E-06	3.99E-06
7540	436977	3761939	1.54E-05	5.25E-05	2.39E-06	8.58E-06	1.29E-06	3.98E-06
7541	436985.9	3761935	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
7542	436994.7	3761931	1.53E-05	5.22E-05	2.38E-06	8.53E-06	1.28E-06	3.96E-06
7543	437003.6	3761928	1.53E-05	5.21E-05	2.37E-06	8.50E-06	1.28E-06	3.94E-06
7544	437012.5	3761924	1.52E-05	5.19E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
7545	437021.3	3761920	1.52E-05	5.17E-05	2.36E-06	8.44E-06	1.27E-06	3.92E-06
7546	437030.2	3761917	1.51E-05	5.15E-05	2.35E-06	8.41E-06	1.26E-06	3.90E-06
7547	437039	3761913	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
7548	437047.9	3761909	1.5E-05	5.10E-05	2.33E-06	8.34E-06	1.25E-06	3.87E-06
7549	437056.8	3761905	1.49E-05	5.08E-05	2.31E-06	8.29E-06	1.25E-06	3.85E-06
7550	437065.6	3761902	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
7551	437074.5	3761898	1.47E-05	5.03E-05	2.29E-06	8.21E-06	1.23E-06	3.81E-06
7552	437083.3	3761894	1.47E-05	5.00E-05	2.28E-06	8.17E-06	1.23E-06	3.79E-06
7553	437092.2	3761891	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
7554	437101.1	3761887	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.22E-06	3.75E-06
7555	436443.8	3762699	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
7556	436443.8	3762709	2.09E-05	7.12E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7557	436443.8	3762718	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7558	436443.8	3762728	2.09E-05	7.13E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
7559	436443.8	3762738	2.09E-05	7.13E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
7560	436443.8	3762747	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7561	436443.8	3762757	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7562	436443.8	3762767	2.09E-05	7.12E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
7563	436443.8	3762776	2.08E-05	7.10E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
7564	436443.8	3762786	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
7565	436443.8	3762796	2.07E-05	7.07E-05	3.22E-06	1.16E-05	1.74E-06	5.36E-06
7566	436443.8	3762806	2.07E-05	7.06E-05	3.22E-06	1.15E-05	1.73E-06	5.35E-06
7567	436443.8	3762815	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06
7568	436443.8	3762825	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
7569	436443.8	3762835	2.05E-05	6.99E-05	3.19E-06	1.14E-05	1.72E-06	5.30E-06
7570	436443.8	3762844	2.04E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
7571	436443.8	3762854	2.04E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
7572	436407.5	3762690	1.95E-05	6.66E-05	3.03E-06	1.09E-05	1.63E-06	5.05E-06
7573	436411.1	3762681	1.96E-05	6.69E-05	3.05E-06	1.09E-05	1.64E-06	5.07E-06
7574	436414.8	3762672	1.97E-05	6.72E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
7575	436418.5	3762663	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.65E-06	5.11E-06
7576	436422.2	3762654	1.98E-05	6.76E-05	3.08E-06	1.10E-05	1.66E-06	5.12E-06
7577	436425.8	3762645	1.99E-05	6.77E-05	3.09E-06	1.11E-05	1.66E-06	5.13E-06
7578	436429.5	3762637	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
7579	436433.2	3762628	1.99E-05	6.79E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
7580	436436.8	3762619	1.99E-05	6.80E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
7581	436440.5	3762610	2E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
7582	436444.2	3762601	2E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
7583	436447.9	3762592	2E-05	6.80E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
7584	436451.5	3762583	1.99E-05	6.80E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
7585	436455.2	3762574	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
7586	436458.9	3762565	1.99E-05	6.77E-05	3.09E-06	1.11E-05	1.66E-06	5.13E-06
7587	436462.6	3762556	1.98E-05	6.75E-05	3.08E-06	1.10E-05	1.66E-06	5.12E-06
7588	436466.2	3762548	1.97E-05	6.73E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06

7589	436469.9	3762539	1.97E-05	6.71E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
7590	436473.6	3762530	1.96E-05	6.69E-05	3.05E-06	1.09E-05	1.64E-06	5.07E-06
7591	436477.2	3762521	1.95E-05	6.66E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
7592	436480.9	3762512	1.95E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
7593	436484.6	3762503	1.94E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
7594	436488.3	3762494	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
7595	436491.9	3762485	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
7596	436495.6	3762476	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.92E-06
7597	436499.3	3762467	1.89E-05	6.46E-05	2.94E-06	1.06E-05	1.59E-06	4.89E-06
7598	436502.9	3762459	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.86E-06
7599	436506.6	3762450	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
7600	436510.3	3762441	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
7601	436514	3762432	1.85E-05	6.30E-05	2.87E-06	1.03E-05	1.55E-06	4.78E-06
7602	436517.6	3762423	1.84E-05	6.26E-05	2.85E-06	1.02E-05	1.54E-06	4.75E-06
7603	436521.3	3762414	1.83E-05	6.22E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
7604	436525	3762405	1.81E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
7605	436528.6	3762396	1.8E-05	6.15E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
7606	436532.3	3762387	1.79E-05	6.11E-05	2.78E-06	9.98E-06	1.50E-06	4.63E-06
7607	436536	3762378	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.60E-06
7608	436547	3762352	1.75E-05	5.97E-05	2.72E-06	9.75E-06	1.47E-06	4.52E-06
7609	436550.7	3762343	1.74E-05	5.93E-05	2.70E-06	9.69E-06	1.46E-06	4.50E-06
7610	436554.3	3762334	1.73E-05	5.90E-05	2.69E-06	9.64E-06	1.45E-06	4.47E-06
7611	436558	3762325	1.72E-05	5.86E-05	2.67E-06	9.58E-06	1.44E-06	4.44E-06
7612	436561.7	3762316	1.71E-05	5.83E-05	2.66E-06	9.53E-06	1.43E-06	4.42E-06
7613	436565.4	3762307	1.7E-05	5.80E-05	2.64E-06	9.47E-06	1.42E-06	4.39E-06
7614	436569	3762298	1.69E-05	5.77E-05	2.63E-06	9.42E-06	1.42E-06	4.37E-06
7615	436572.7	3762289	1.68E-05	5.74E-05	2.61E-06	9.37E-06	1.41E-06	4.35E-06
7616	436576.4	3762280	1.67E-05	5.71E-05	2.60E-06	9.32E-06	1.40E-06	4.32E-06
7617	436580	3762272	1.66E-05	5.68E-05	2.59E-06	9.27E-06	1.39E-06	4.30E-06
7618	436583.7	3762263	1.66E-05	5.65E-05	2.57E-06	9.23E-06	1.39E-06	4.28E-06
7619	436587.4	3762254	1.65E-05	5.62E-05	2.56E-06	9.18E-06	1.38E-06	4.26E-06
7620	436591.1	3762245	1.64E-05	5.59E-05	2.55E-06	9.13E-06	1.37E-06	4.24E-06
7621	436594.7	3762236	1.63E-05	5.56E-05	2.53E-06	9.09E-06	1.37E-06	4.21E-06
7622	436598.4	3762227	1.62E-05	5.53E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
7623	436602.1	3762218	1.61E-05	5.51E-05	2.51E-06	8.99E-06	1.35E-06	4.17E-06
7624	436605.7	3762209	1.61E-05	5.48E-05	2.49E-06	8.94E-06	1.34E-06	4.15E-06
7625	436609.4	3762200	1.6E-05	5.44E-05	2.48E-06	8.89E-06	1.34E-06	4.12E-06
7626	436613.1	3762191	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
7627	436616.8	3762182	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
7628	436620.4	3762174	1.57E-05	5.34E-05	2.44E-06	8.73E-06	1.31E-06	4.05E-06
7629	436624.1	3762165	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.03E-06
7630	436627.8	3762156	1.55E-05	5.28E-05	2.41E-06	8.63E-06	1.30E-06	4.00E-06
7631	436631.4	3762147	1.54E-05	5.25E-05	2.39E-06	8.58E-06	1.29E-06	3.98E-06
7632	436635.1	3762138	1.53E-05	5.22E-05	2.38E-06	8.52E-06	1.28E-06	3.95E-06
7633	436638.8	3762129	1.52E-05	5.19E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
7634	436642.5	3762120	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.27E-06	3.91E-06
7635	436816.1	3761966	1.46E-05	4.96E-05	2.26E-06	8.11E-06	1.22E-06	3.76E-06
7636	436824.9	3761963	1.46E-05	4.97E-05	2.26E-06	8.12E-06	1.22E-06	3.76E-06
7637	436833.8	3761959	1.46E-05	4.97E-05	2.27E-06	8.12E-06	1.22E-06	3.77E-06
7638	436842.7	3761955	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
7639	436851.6	3761951	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
7640	436860.5	3761948	1.46E-05	4.99E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06

7641	436869.3	3761944	1.46E-05	4.99E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
7642	436878.2	3761940	1.46E-05	4.99E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
7643	436887.1	3761936	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
7644	436896	3761933	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
7645	436904.9	3761929	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
7646	436913.7	3761925	1.46E-05	4.97E-05	2.27E-06	8.12E-06	1.22E-06	3.77E-06
7647	436922.6	3761922	1.46E-05	4.97E-05	2.26E-06	8.11E-06	1.22E-06	3.76E-06
7648	436931.5	3761918	1.45E-05	4.96E-05	2.26E-06	8.10E-06	1.22E-06	3.76E-06
7649	436940.4	3761914	1.45E-05	4.95E-05	2.25E-06	8.08E-06	1.21E-06	3.75E-06
7650	436949.3	3761910	1.45E-05	4.94E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
7651	436958.1	3761907	1.44E-05	4.92E-05	2.24E-06	8.04E-06	1.21E-06	3.73E-06
7652	436967	3761903	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.20E-06	3.72E-06
7653	436975.9	3761899	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
7654	436984.8	3761895	1.43E-05	4.87E-05	2.22E-06	7.96E-06	1.20E-06	3.69E-06
7655	436993.7	3761892	1.42E-05	4.85E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
7656	437002.5	3761888	1.42E-05	4.83E-05	2.20E-06	7.89E-06	1.19E-06	3.66E-06
7657	437011.4	3761884	1.41E-05	4.81E-05	2.19E-06	7.86E-06	1.18E-06	3.65E-06
7658	436403.8	3762699	1.94E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
7659	436403.8	3762709	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
7660	436403.8	3762718	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
7661	436403.8	3762728	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
7662	436403.8	3762738	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
7663	436403.8	3762747	1.95E-05	6.64E-05	3.03E-06	1.08E-05	1.63E-06	5.03E-06
7664	436403.8	3762757	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
7665	436403.8	3762767	1.94E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
7666	436403.8	3762776	1.94E-05	6.62E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
7667	436403.8	3762786	1.94E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
7668	436403.8	3762796	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
7669	436403.8	3762806	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
7670	436403.8	3762815	1.92E-05	6.55E-05	2.99E-06	1.07E-05	1.61E-06	4.96E-06
7671	436403.8	3762825	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
7672	436403.8	3762835	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
7673	436403.8	3762844	1.9E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.91E-06
7674	436403.8	3762854	1.89E-05	6.46E-05	2.94E-06	1.06E-05	1.59E-06	4.90E-06
7675	436378.5	3762663	1.85E-05	6.30E-05	2.87E-06	1.03E-05	1.55E-06	4.78E-06
7676	436382.2	3762654	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
7677	436385.9	3762645	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.80E-06
7678	436389.6	3762636	1.86E-05	6.35E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
7679	436393.2	3762628	1.87E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
7680	436396.9	3762619	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.83E-06
7681	436400.6	3762610	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.83E-06
7682	436404.3	3762601	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
7683	436408	3762592	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.83E-06
7684	436411.6	3762583	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.56E-06	4.83E-06
7685	436415.3	3762574	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.83E-06
7686	436419	3762565	1.86E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
7687	436422.7	3762556	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
7688	436426.4	3762547	1.86E-05	6.33E-05	2.88E-06	1.03E-05	1.55E-06	4.80E-06
7689	436430	3762538	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06
7690	436433.7	3762529	1.84E-05	6.29E-05	2.87E-06	1.03E-05	1.54E-06	4.77E-06
7691	436437.4	3762520	1.84E-05	6.27E-05	2.86E-06	1.02E-05	1.54E-06	4.75E-06
7692	436441.1	3762512	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06

7693	436444.8	3762503	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
7694	436448.4	3762494	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
7695	436452.1	3762485	1.81E-05	6.16E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
7696	436455.8	3762476	1.8E-05	6.13E-05	2.79E-06	1.00E-05	1.50E-06	4.65E-06
7697	436459.5	3762467	1.79E-05	6.10E-05	2.78E-06	9.96E-06	1.50E-06	4.62E-06
7698	436463.1	3762458	1.78E-05	6.06E-05	2.76E-06	9.90E-06	1.49E-06	4.59E-06
7699	436466.8	3762449	1.77E-05	6.03E-05	2.75E-06	9.84E-06	1.48E-06	4.57E-06
7700	436470.5	3762440	1.76E-05	5.99E-05	2.73E-06	9.78E-06	1.47E-06	4.54E-06
7701	436474.2	3762431	1.74E-05	5.95E-05	2.71E-06	9.72E-06	1.46E-06	4.51E-06
7702	436477.9	3762422	1.73E-05	5.91E-05	2.69E-06	9.66E-06	1.45E-06	4.48E-06
7703	436481.5	3762413	1.72E-05	5.88E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
7704	436485.2	3762404	1.71E-05	5.84E-05	2.66E-06	9.54E-06	1.43E-06	4.43E-06
7705	436488.9	3762396	1.7E-05	5.80E-05	2.65E-06	9.48E-06	1.42E-06	4.40E-06
7706	436492.6	3762387	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.37E-06
7707	436496.3	3762378	1.68E-05	5.74E-05	2.61E-06	9.37E-06	1.41E-06	4.35E-06
7708	436499.9	3762369	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
7709	436514.7	3762333	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
7710	436518.3	3762324	1.62E-05	5.54E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
7711	436522	3762315	1.62E-05	5.51E-05	2.51E-06	9.00E-06	1.35E-06	4.17E-06
7712	436525.7	3762306	1.61E-05	5.48E-05	2.50E-06	8.95E-06	1.34E-06	4.15E-06
7713	436529.4	3762297	1.6E-05	5.45E-05	2.48E-06	8.91E-06	1.34E-06	4.13E-06
7714	436533.1	3762288	1.59E-05	5.42E-05	2.47E-06	8.86E-06	1.33E-06	4.11E-06
7715	436536.7	3762280	1.58E-05	5.40E-05	2.46E-06	8.81E-06	1.32E-06	4.09E-06
7716	436540.4	3762271	1.57E-05	5.37E-05	2.45E-06	8.77E-06	1.32E-06	4.07E-06
7717	436544.1	3762262	1.57E-05	5.34E-05	2.43E-06	8.73E-06	1.31E-06	4.05E-06
7718	436547.8	3762253	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
7719	436551.5	3762244	1.55E-05	5.29E-05	2.41E-06	8.65E-06	1.30E-06	4.01E-06
7720	436555.1	3762235	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
7721	436558.8	3762226	1.54E-05	5.25E-05	2.39E-06	8.57E-06	1.29E-06	3.97E-06
7722	436562.5	3762217	1.53E-05	5.22E-05	2.38E-06	8.53E-06	1.28E-06	3.95E-06
7723	436566.2	3762208	1.52E-05	5.19E-05	2.37E-06	8.48E-06	1.27E-06	3.93E-06
7724	436569.9	3762199	1.51E-05	5.16E-05	2.35E-06	8.43E-06	1.27E-06	3.91E-06
7725	436573.5	3762190	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
7726	436577.2	3762181	1.5E-05	5.10E-05	2.32E-06	8.33E-06	1.25E-06	3.86E-06
7727	436580.9	3762172	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
7728	436584.6	3762164	1.48E-05	5.04E-05	2.30E-06	8.23E-06	1.24E-06	3.82E-06
7729	436588.2	3762155	1.47E-05	5.01E-05	2.28E-06	8.18E-06	1.23E-06	3.80E-06
7730	436591.9	3762146	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
7731	436595.6	3762137	1.45E-05	4.96E-05	2.26E-06	8.10E-06	1.22E-06	3.75E-06
7732	436599.3	3762128	1.45E-05	4.93E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
7733	436603	3762119	1.44E-05	4.90E-05	2.24E-06	8.01E-06	1.20E-06	3.72E-06
7734	436606.6	3762110	1.43E-05	4.88E-05	2.22E-06	7.98E-06	1.20E-06	3.70E-06
7735	436639.8	3762030	1.35E-05	4.62E-05	2.10E-06	7.55E-06	1.13E-06	3.50E-06
7736	436643.4	3762021	1.34E-05	4.59E-05	2.09E-06	7.49E-06	1.13E-06	3.47E-06
7737	436647.1	3762012	1.33E-05	4.55E-05	2.07E-06	7.43E-06	1.12E-06	3.45E-06
7738	436650.8	3762003	1.32E-05	4.52E-05	2.06E-06	7.38E-06	1.11E-06	3.42E-06
7739	436663.4	3761990	1.32E-05	4.50E-05	2.05E-06	7.35E-06	1.10E-06	3.41E-06
7740	436699	3761975	1.34E-05	4.56E-05	2.08E-06	7.45E-06	1.12E-06	3.45E-06
7741	436796.9	3761934	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
7742	436805.8	3761931	1.37E-05	4.66E-05	2.12E-06	7.62E-06	1.14E-06	3.53E-06
7743	436814.7	3761927	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
7744	436823.6	3761923	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06

7745	436832.5	3761919	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.54E-06
7746	436841.4	3761916	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.55E-06
7747	436850.3	3761912	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.55E-06
7748	436859.2	3761908	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.54E-06
7749	436868.1	3761904	1.37E-05	4.67E-05	2.13E-06	7.64E-06	1.15E-06	3.54E-06
7750	436877	3761901	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
7751	436885.9	3761897	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
7752	436894.8	3761893	1.37E-05	4.66E-05	2.12E-06	7.62E-06	1.14E-06	3.53E-06
7753	436903.7	3761889	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
7754	436912.6	3761886	1.36E-05	4.65E-05	2.12E-06	7.60E-06	1.14E-06	3.53E-06
7755	436921.5	3761882	1.36E-05	4.65E-05	2.12E-06	7.59E-06	1.14E-06	3.52E-06
7756	436930.3	3761878	1.36E-05	4.64E-05	2.11E-06	7.57E-06	1.14E-06	3.51E-06
7757	436939.2	3761875	1.36E-05	4.62E-05	2.11E-06	7.55E-06	1.13E-06	3.50E-06
7758	436948.1	3761871	1.35E-05	4.61E-05	2.10E-06	7.52E-06	1.13E-06	3.49E-06
7759	436363.8	3762699	1.82E-05	6.20E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
7760	436363.8	3762709	1.82E-05	6.20E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
7761	437373.5	3762894	0.001362	4.64E-03	2.12E-04	7.58E-04	1.14E-04	3.52E-04
7762	437383.2	3762894	0.001486	5.07E-03	2.31E-04	8.28E-04	1.24E-04	3.84E-04
7763	437421.8	3762894	0.002337	7.97E-03	3.63E-04	1.30E-03	1.96E-04	6.04E-04
7764	437431.4	3762894	0.002628	8.96E-03	4.08E-04	1.46E-03	2.20E-04	6.79E-04
7765	437441.1	3762894	0.002922	9.96E-03	4.54E-04	1.63E-03	2.45E-04	7.55E-04
7766	437450.7	3762894	0.003206	1.09E-02	4.98E-04	1.79E-03	2.68E-04	8.28E-04
7767	437460.4	3762894	0.003476	1.19E-02	5.40E-04	1.94E-03	2.91E-04	8.98E-04
7768	437470	3762894	0.003677	1.25E-02	5.71E-04	2.05E-03	3.08E-04	9.50E-04
7769	437479.7	3762894	0.003854	1.31E-02	5.99E-04	2.15E-03	3.23E-04	9.96E-04
7770	437489.3	3762893	0.004006	1.37E-02	6.22E-04	2.23E-03	3.35E-04	1.04E-03
7771	437499	3762893	0.004088	1.39E-02	6.35E-04	2.28E-03	3.42E-04	1.06E-03
7772	437508.6	3762893	0.004147	1.41E-02	6.44E-04	2.31E-03	3.47E-04	1.07E-03
7773	437518.3	3762893	0.004185	1.43E-02	6.50E-04	2.33E-03	3.50E-04	1.08E-03
7774	437373.5	3762904	0.001076	3.67E-03	1.67E-04	5.99E-04	9.00E-05	2.78E-04
7775	437383.2	3762904	0.001155	3.94E-03	1.80E-04	6.44E-04	9.67E-05	2.99E-04
7776	437421.8	3762904	0.001684	5.74E-03	2.62E-04	9.38E-04	1.41E-04	4.35E-04
7777	437431.4	3762904	0.001878	6.41E-03	2.92E-04	1.05E-03	1.57E-04	4.85E-04
7778	437441.1	3762904	0.00208	7.09E-03	3.23E-04	1.16E-03	1.74E-04	5.37E-04
7779	437450.7	3762904	0.002284	7.79E-03	3.55E-04	1.27E-03	1.91E-04	5.90E-04
7780	437460.4	3762904	0.002483	8.47E-03	3.86E-04	1.38E-03	2.08E-04	6.42E-04
7781	437470	3762904	0.002644	9.02E-03	4.11E-04	1.47E-03	2.21E-04	6.83E-04
7782	437479.7	3762904	0.002793	9.52E-03	4.34E-04	1.56E-03	2.34E-04	7.22E-04
7783	437489.3	3762903	0.002925	9.98E-03	4.55E-04	1.63E-03	2.45E-04	7.56E-04
7784	437499	3762903	0.003012	1.03E-02	4.68E-04	1.68E-03	2.52E-04	7.78E-04
7785	437508.6	3762903	0.003083	1.05E-02	4.79E-04	1.72E-03	2.58E-04	7.96E-04
7786	437518.3	3762903	0.003139	1.07E-02	4.88E-04	1.75E-03	2.63E-04	8.11E-04
7787	437527.9	3762903	0.003223	1.10E-02	5.01E-04	1.80E-03	2.70E-04	8.33E-04
7788	437537.6	3762903	0.0033	1.13E-02	5.13E-04	1.84E-03	2.76E-04	8.53E-04
7789	437547.2	3762903	0.003359	1.15E-02	5.22E-04	1.87E-03	2.81E-04	8.68E-04
7790	437363.9	3762914	0.000825	2.81E-03	1.28E-04	4.60E-04	6.91E-05	2.13E-04
7791	437373.6	3762914	0.00088	3.00E-03	1.37E-04	4.90E-04	7.37E-05	2.27E-04
7792	437383.2	3762914	0.000936	3.19E-03	1.45E-04	5.22E-04	7.84E-05	2.42E-04
7793	437421.8	3762914	0.001289	4.39E-03	2.00E-04	7.18E-04	1.08E-04	3.33E-04
7794	437431.5	3762914	0.00142	4.84E-03	2.21E-04	7.91E-04	1.19E-04	3.67E-04
7795	437441.1	3762914	0.001556	5.31E-03	2.42E-04	8.67E-04	1.30E-04	4.02E-04
7796	437450.8	3762914	0.001697	5.79E-03	2.64E-04	9.45E-04	1.42E-04	4.38E-04

7797	437460.4	3762914	0.001839	6.27E-03	2.86E-04	1.02E-03	1.54E-04	4.75E-04
7798	437470.1	3762914	0.001965	6.70E-03	3.05E-04	1.09E-03	1.65E-04	5.08E-04
7799	437479.7	3762914	0.002085	7.11E-03	3.24E-04	1.16E-03	1.75E-04	5.39E-04
7800	437489.4	3762913	0.002198	7.49E-03	3.41E-04	1.22E-03	1.84E-04	5.68E-04
7801	437499	3762913	0.002278	7.77E-03	3.54E-04	1.27E-03	1.91E-04	5.89E-04
7802	437508.7	3762913	0.002349	8.01E-03	3.65E-04	1.31E-03	1.97E-04	6.07E-04
7803	437518.3	3762913	0.002411	8.22E-03	3.75E-04	1.34E-03	2.02E-04	6.23E-04
7804	437528	3762913	0.002488	8.48E-03	3.87E-04	1.39E-03	2.08E-04	6.43E-04
7805	437537.6	3762913	0.00256	8.73E-03	3.98E-04	1.43E-03	2.14E-04	6.61E-04
7806	437547.3	3762913	0.002619	8.93E-03	4.07E-04	1.46E-03	2.19E-04	6.77E-04
7807	437363.9	3762924	0.000696	2.37E-03	1.08E-04	3.87E-04	5.82E-05	1.80E-04
7808	437373.6	3762924	0.000735	2.51E-03	1.14E-04	4.10E-04	6.16E-05	1.90E-04
7809	437383.2	3762924	0.000777	2.65E-03	1.21E-04	4.33E-04	6.50E-05	2.01E-04
7810	437421.8	3762924	0.001025	3.49E-03	1.59E-04	5.71E-04	8.58E-05	2.65E-04
7811	437431.5	3762924	0.001115	3.80E-03	1.73E-04	6.21E-04	9.34E-05	2.88E-04
7812	437441.1	3762924	0.001207	4.12E-03	1.88E-04	6.73E-04	1.01E-04	3.12E-04
7813	437450.8	3762924	0.001304	4.45E-03	2.03E-04	7.27E-04	1.09E-04	3.37E-04
7814	437460.4	3762924	0.001405	4.79E-03	2.18E-04	7.83E-04	1.18E-04	3.63E-04
7815	437470.1	3762924	0.001502	5.12E-03	2.33E-04	8.37E-04	1.26E-04	3.88E-04
7816	437479.7	3762924	0.001598	5.45E-03	2.48E-04	8.90E-04	1.34E-04	4.13E-04
7817	437489.4	3762923	0.00169	5.76E-03	2.63E-04	9.42E-04	1.41E-04	4.37E-04
7818	437373.6	3762934	0.000624	2.13E-03	9.69E-05	3.48E-04	5.22E-05	1.61E-04
7819	437383.3	3762934	0.000655	2.24E-03	1.02E-04	3.65E-04	5.49E-05	1.69E-04
7820	437421.9	3762934	0.000833	2.84E-03	1.29E-04	4.64E-04	6.97E-05	2.15E-04
7821	437431.5	3762934	0.000896	3.06E-03	1.39E-04	4.99E-04	7.50E-05	2.32E-04
7822	437441.2	3762934	0.00096	3.28E-03	1.49E-04	5.35E-04	8.04E-05	2.48E-04
7823	437450.8	3762934	0.00103	3.51E-03	1.60E-04	5.74E-04	8.62E-05	2.66E-04
7824	437460.5	3762934	0.001104	3.76E-03	1.71E-04	6.15E-04	9.24E-05	2.85E-04
7825	437470.1	3762934	0.001176	4.01E-03	1.83E-04	6.55E-04	9.85E-05	3.04E-04
7826	437355.9	3762940	0.000516	1.76E-03	8.02E-05	2.88E-04	4.32E-05	1.33E-04
7827	437323.5	3762927	0.000509	1.73E-03	7.90E-05	2.83E-04	4.26E-05	1.31E-04
7828	437303.9	3762912	0.000526	1.79E-03	8.17E-05	2.93E-04	4.40E-05	1.36E-04
7829	437373.6	3762944	0.000536	1.83E-03	8.33E-05	2.99E-04	4.49E-05	1.38E-04
7830	437383.3	3762944	0.000561	1.91E-03	8.72E-05	3.13E-04	4.70E-05	1.45E-04
7831	437421.9	3762944	0.000687	2.34E-03	1.07E-04	3.83E-04	5.75E-05	1.78E-04
7832	437431.5	3762944	0.000729	2.48E-03	1.13E-04	4.06E-04	6.10E-05	1.88E-04
7833	437441.2	3762944	0.000777	2.65E-03	1.21E-04	4.33E-04	6.50E-05	2.01E-04
7834	437450.8	3762944	0.00083	2.83E-03	1.29E-04	4.62E-04	6.95E-05	2.14E-04
7835	437460.5	3762944	0.000888	3.03E-03	1.38E-04	4.94E-04	7.43E-05	2.29E-04
7836	437470.1	3762944	0.00094	3.21E-03	1.46E-04	5.24E-04	7.87E-05	2.43E-04
7837	437518.4	3762943	0.001209	4.12E-03	1.88E-04	6.73E-04	1.01E-04	3.12E-04
7838	437356	3762950	0.000451	1.54E-03	7.01E-05	2.51E-04	3.77E-05	1.17E-04
7839	437340.1	3762944	0.000454	1.55E-03	7.05E-05	2.53E-04	3.80E-05	1.17E-04
7840	437324.1	3762937	0.000451	1.54E-03	7.00E-05	2.51E-04	3.77E-05	1.16E-04
7841	437308.2	3762931	0.000441	1.50E-03	6.86E-05	2.46E-04	3.69E-05	1.14E-04
7842	437296.9	3762919	0.000462	1.57E-03	7.17E-05	2.57E-04	3.86E-05	1.19E-04
7843	437373.6	3762954	0.000465	1.59E-03	7.23E-05	2.59E-04	3.89E-05	1.20E-04
7844	437383.3	3762954	0.000486	1.66E-03	7.55E-05	2.71E-04	4.07E-05	1.26E-04
7845	437421.9	3762954	0.000577	1.97E-03	8.97E-05	3.22E-04	4.83E-05	1.49E-04
7846	437431.5	3762954	0.000605	2.06E-03	9.41E-05	3.37E-04	5.07E-05	1.56E-04
7847	437441.2	3762954	0.000642	2.19E-03	9.98E-05	3.58E-04	5.38E-05	1.66E-04
7848	437450.8	3762954	0.000684	2.33E-03	1.06E-04	3.81E-04	5.72E-05	1.77E-04

7849	437460.5	3762954	0.000729	2.49E-03	1.13E-04	4.06E-04	6.10E-05	1.88E-04
7850	437470.1	3762954	0.000767	2.61E-03	1.19E-04	4.27E-04	6.42E-05	1.98E-04
7851	437499.1	3762953	0.000894	3.05E-03	1.39E-04	4.98E-04	7.48E-05	2.31E-04
7852	437508.7	3762953	0.000941	3.21E-03	1.46E-04	5.24E-04	7.87E-05	2.43E-04
7853	437518.4	3762953	0.000987	3.37E-03	1.53E-04	5.50E-04	8.26E-05	2.55E-04
7854	437528.1	3762953	0.001035	3.53E-03	1.61E-04	5.76E-04	8.66E-05	2.67E-04
7855	437537.7	3762953	0.001081	3.69E-03	1.68E-04	6.02E-04	9.05E-05	2.79E-04
7856	437547.4	3762953	0.001125	3.84E-03	1.75E-04	6.27E-04	9.42E-05	2.91E-04
7857	437355.2	3762960	0.000397	1.35E-03	6.17E-05	2.21E-04	3.32E-05	1.03E-04
7858	437346.3	3762956	0.000399	1.36E-03	6.21E-05	2.22E-04	3.34E-05	1.03E-04
7859	437337.4	3762953	0.000401	1.37E-03	6.23E-05	2.23E-04	3.36E-05	1.04E-04
7860	437328.6	3762949	0.000401	1.37E-03	6.23E-05	2.23E-04	3.36E-05	1.04E-04
7861	437319.7	3762945	0.0004	1.36E-03	6.21E-05	2.23E-04	3.34E-05	1.03E-04
7862	437310.9	3762942	0.000397	1.35E-03	6.16E-05	2.21E-04	3.32E-05	1.02E-04
7863	437302	3762938	0.000392	1.34E-03	6.09E-05	2.18E-04	3.28E-05	1.01E-04
7864	437289.5	3762926	0.000412	1.40E-03	6.39E-05	2.29E-04	3.44E-05	1.06E-04
7865	437285.8	3762917	0.000436	1.49E-03	6.78E-05	2.43E-04	3.65E-05	1.13E-04
7866	437364	3762964	0.000394	1.34E-03	6.12E-05	2.19E-04	3.30E-05	1.02E-04
7867	437373.7	3762964	0.000408	1.39E-03	6.35E-05	2.28E-04	3.42E-05	1.06E-04
7868	437383.3	3762964	0.000425	1.45E-03	6.60E-05	2.37E-04	3.56E-05	1.10E-04
7869	437393	3762964	0.000442	1.51E-03	6.87E-05	2.46E-04	3.70E-05	1.14E-04
7870	437421.9	3762964	0.000493	1.68E-03	7.65E-05	2.74E-04	4.12E-05	1.27E-04
7871	437431.6	3762964	0.000513	1.75E-03	7.97E-05	2.86E-04	4.29E-05	1.32E-04
7872	437441.2	3762964	0.000541	1.84E-03	8.41E-05	3.01E-04	4.53E-05	1.40E-04
7873	437450.9	3762964	0.000573	1.95E-03	8.90E-05	3.19E-04	4.79E-05	1.48E-04
7874	437460.5	3762964	0.000607	2.07E-03	9.44E-05	3.38E-04	5.08E-05	1.57E-04
7875	437470.2	3762964	0.000636	2.17E-03	9.88E-05	3.54E-04	5.32E-05	1.64E-04
7876	437499.1	3762963	0.000737	2.51E-03	1.14E-04	4.10E-04	6.17E-05	1.90E-04
7877	437508.8	3762963	0.000776	2.65E-03	1.21E-04	4.33E-04	6.50E-05	2.01E-04
7878	437518.4	3762963	0.000817	2.79E-03	1.27E-04	4.55E-04	6.84E-05	2.11E-04
7879	437528.1	3762963	0.000857	2.92E-03	1.33E-04	4.77E-04	7.17E-05	2.21E-04
7880	437537.7	3762963	0.000896	3.06E-03	1.39E-04	4.99E-04	7.50E-05	2.32E-04
7881	437547.4	3762963	0.000935	3.19E-03	1.45E-04	5.21E-04	7.82E-05	2.42E-04
7882	437355.6	3762980	0.000313	1.07E-03	4.87E-05	1.75E-04	2.62E-05	8.10E-05
7883	437347.1	3762977	0.000316	1.08E-03	4.91E-05	1.76E-04	2.64E-05	8.16E-05
7884	437338.5	3762973	0.000318	1.09E-03	4.94E-05	1.77E-04	2.66E-05	8.22E-05
7885	437330	3762970	0.00032	1.09E-03	4.97E-05	1.78E-04	2.68E-05	8.26E-05
7886	437321.5	3762966	0.000321	1.09E-03	4.98E-05	1.79E-04	2.68E-05	8.28E-05
7887	437313	3762963	0.00032	1.09E-03	4.98E-05	1.79E-04	2.68E-05	8.28E-05
7888	437304.5	3762959	0.000319	1.09E-03	4.96E-05	1.78E-04	2.67E-05	8.26E-05
7889	437296	3762956	0.000318	1.08E-03	4.93E-05	1.77E-04	2.66E-05	8.20E-05
7890	437287.5	3762952	0.000315	1.07E-03	4.89E-05	1.75E-04	2.63E-05	8.13E-05
7891	437275.5	3762940	0.000329	1.12E-03	5.11E-05	1.83E-04	2.75E-05	8.50E-05
7892	437272	3762932	0.000347	1.18E-03	5.40E-05	1.93E-04	2.91E-05	8.97E-05
7893	437364.1	3762984	0.00031	1.06E-03	4.82E-05	1.73E-04	2.60E-05	8.01E-05
7894	437373.7	3762984	0.000321	1.09E-03	4.98E-05	1.79E-04	2.68E-05	8.29E-05
7895	437383.4	3762984	0.000332	1.13E-03	5.15E-05	1.85E-04	2.78E-05	8.57E-05
7896	437393	3762984	0.000342	1.17E-03	5.32E-05	1.91E-04	2.87E-05	8.84E-05
7897	437422	3762984	0.000373	1.27E-03	5.79E-05	2.08E-04	3.12E-05	9.63E-05
7898	437431.6	3762984	0.000385	1.31E-03	5.98E-05	2.14E-04	3.22E-05	9.94E-05
7899	437441.3	3762984	0.0004	1.36E-03	6.22E-05	2.23E-04	3.35E-05	1.03E-04
7900	437450.9	3762984	0.000417	1.42E-03	6.49E-05	2.33E-04	3.49E-05	1.08E-04

7901	437460.6	3762984	0.000436	1.49E-03	6.78E-05	2.43E-04	3.65E-05	1.13E-04
7902	437470.2	3762984	0.000456	1.55E-03	7.08E-05	2.54E-04	3.81E-05	1.18E-04
7903	437499.2	3762983	0.000525	1.79E-03	8.15E-05	2.92E-04	4.39E-05	1.36E-04
7904	437508.8	3762983	0.000551	1.88E-03	8.57E-05	3.07E-04	4.61E-05	1.42E-04
7905	437518.5	3762983	0.000579	1.97E-03	9.00E-05	3.23E-04	4.85E-05	1.50E-04
7906	437528.1	3762983	0.000605	2.06E-03	9.40E-05	3.37E-04	5.06E-05	1.56E-04
7907	437537.8	3762983	0.000631	2.15E-03	9.80E-05	3.51E-04	5.28E-05	1.63E-04
7908	437547.4	3762983	0.000657	2.24E-03	1.02E-04	3.66E-04	5.50E-05	1.70E-04
7909	437355.8	3763000	0.000252	8.61E-04	3.92E-05	1.41E-04	2.11E-05	6.52E-05
7910	437339.3	3762994	0.000257	8.77E-04	4.00E-05	1.43E-04	2.15E-05	6.65E-05
7911	437322.8	3762987	0.000261	8.89E-04	4.05E-05	1.45E-04	2.18E-05	6.73E-05
7912	437306.2	3762980	0.000262	8.94E-04	4.07E-05	1.46E-04	2.19E-05	6.77E-05
7913	437289.7	3762973	0.000261	8.92E-04	4.06E-05	1.46E-04	2.19E-05	6.76E-05
7914	437273.2	3762966	0.000258	8.81E-04	4.01E-05	1.44E-04	2.16E-05	6.67E-05
7915	437261.5	3762955	0.000269	9.18E-04	4.18E-05	1.50E-04	2.25E-05	6.96E-05
7916	437373.7	3763004	0.000257	8.76E-04	3.99E-05	1.43E-04	2.15E-05	6.64E-05
7917	437383.4	3763004	0.000264	9.01E-04	4.11E-05	1.47E-04	2.21E-05	6.83E-05
7918	437393	3763004	0.000272	9.27E-04	4.22E-05	1.51E-04	2.28E-05	7.03E-05
7919	437422	3763004	0.000293	1.00E-03	4.56E-05	1.63E-04	2.46E-05	7.58E-05
7920	437431.6	3763004	0.000302	1.03E-03	4.69E-05	1.68E-04	2.53E-05	7.80E-05
7921	437441.3	3763004	0.000312	1.06E-03	4.85E-05	1.74E-04	2.61E-05	8.06E-05
7922	437450.9	3763004	0.000323	1.10E-03	5.02E-05	1.80E-04	2.70E-05	8.34E-05
7923	437460.6	3763004	0.000335	1.14E-03	5.20E-05	1.87E-04	2.80E-05	8.65E-05
7924	437470.3	3763004	0.000347	1.18E-03	5.39E-05	1.93E-04	2.90E-05	8.96E-05
7925	437499.2	3763003	0.000391	1.33E-03	6.08E-05	2.18E-04	3.27E-05	1.01E-04
7926	437508.9	3763003	0.000409	1.39E-03	6.35E-05	2.28E-04	3.42E-05	1.06E-04
7927	437518.5	3763003	0.000428	1.46E-03	6.65E-05	2.38E-04	3.58E-05	1.11E-04
7928	437528.2	3763003	0.000446	1.52E-03	6.94E-05	2.49E-04	3.74E-05	1.15E-04
7929	437537.8	3763003	0.000465	1.59E-03	7.23E-05	2.59E-04	3.90E-05	1.20E-04
7930	437547.5	3763003	0.000485	1.65E-03	7.54E-05	2.70E-04	4.06E-05	1.25E-04
7931	437355.4	3763020	0.000207	7.07E-04	3.22E-05	1.15E-04	1.73E-05	5.35E-05
7932	437346.7	3763017	0.000209	7.14E-04	3.26E-05	1.17E-04	1.75E-05	5.41E-05
7933	437338	3763013	0.000212	7.22E-04	3.29E-05	1.18E-04	1.77E-05	5.47E-05
7934	437329.3	3763009	0.000213	7.28E-04	3.32E-05	1.19E-04	1.79E-05	5.52E-05
7935	437320.5	3763006	0.000215	7.34E-04	3.34E-05	1.20E-04	1.80E-05	5.56E-05
7936	437311.8	3763002	0.000217	7.38E-04	3.36E-05	1.21E-04	1.81E-05	5.60E-05
7937	437303.1	3762999	0.000218	7.42E-04	3.38E-05	1.21E-04	1.82E-05	5.62E-05
7938	437294.4	3762995	0.000218	7.44E-04	3.39E-05	1.22E-04	1.83E-05	5.64E-05
7939	437285.7	3762991	0.000218	7.45E-04	3.39E-05	1.22E-04	1.83E-05	5.64E-05
7940	437276.9	3762988	0.000218	7.44E-04	3.39E-05	1.21E-04	1.83E-05	5.63E-05
7941	437268.2	3762984	0.000217	7.41E-04	3.37E-05	1.21E-04	1.82E-05	5.61E-05
7942	437259.5	3762981	0.000216	7.36E-04	3.35E-05	1.20E-04	1.81E-05	5.58E-05
7943	437218.3	3762899	0.000306	1.04E-03	4.76E-05	1.71E-04	2.56E-05	7.91E-05
7944	437364.1	3763024	0.000205	6.98E-04	3.18E-05	1.14E-04	1.71E-05	5.29E-05
7945	437373.8	3763024	0.00021	7.16E-04	3.26E-05	1.17E-04	1.76E-05	5.42E-05
7946	437383.4	3763024	0.000215	7.34E-04	3.34E-05	1.20E-04	1.80E-05	5.56E-05
7947	437393.1	3763024	0.000221	7.52E-04	3.43E-05	1.23E-04	1.85E-05	5.70E-05
7948	437422	3763024	0.000238	8.11E-04	3.70E-05	1.33E-04	1.99E-05	6.15E-05
7949	437431.7	3763024	0.000245	8.34E-04	3.80E-05	1.36E-04	2.05E-05	6.32E-05
7950	437441.3	3763024	0.000252	8.58E-04	3.91E-05	1.40E-04	2.11E-05	6.50E-05
7951	437451	3763024	0.000259	8.83E-04	4.03E-05	1.44E-04	2.17E-05	6.69E-05
7952	437355.7	3763040	0.000172	5.88E-04	2.68E-05	9.61E-05	1.44E-05	4.46E-05

7953	437347.2	3763037	0.000174	5.95E-04	2.71E-05	9.71E-05	1.46E-05	4.51E-05
7954	437338.7	3763033	0.000176	6.01E-04	2.74E-05	9.82E-05	1.48E-05	4.55E-05
7955	437330.2	3763030	0.000178	6.07E-04	2.77E-05	9.91E-05	1.49E-05	4.60E-05
7956	437321.7	3763026	0.00018	6.12E-04	2.79E-05	1.00E-04	1.50E-05	4.64E-05
7957	437313.2	3763023	0.000181	6.17E-04	2.81E-05	1.01E-04	1.52E-05	4.68E-05
7958	437304.7	3763019	0.000182	6.19E-04	2.82E-05	1.01E-04	1.52E-05	4.69E-05
7959	437296.2	3763016	0.000183	6.24E-04	2.84E-05	1.02E-04	1.53E-05	4.73E-05
7960	437287.7	3763012	0.000184	6.28E-04	2.86E-05	1.03E-04	1.54E-05	4.76E-05
7961	437279.2	3763009	0.000184	6.29E-04	2.87E-05	1.03E-04	1.54E-05	4.77E-05
7962	437270.7	3763005	0.000185	6.29E-04	2.87E-05	1.03E-04	1.55E-05	4.77E-05
7963	437262.2	3763002	0.000184	6.29E-04	2.86E-05	1.03E-04	1.54E-05	4.76E-05
7964	437219	3762949	0.000225	7.69E-04	3.50E-05	1.26E-04	1.89E-05	5.83E-05
7965	437215.5	3762940	0.000234	7.97E-04	3.63E-05	1.30E-04	1.96E-05	6.04E-05
7966	437212	3762932	0.000241	8.23E-04	3.75E-05	1.35E-04	2.02E-05	6.24E-05
7967	437208.5	3762923	0.000249	8.48E-04	3.87E-05	1.39E-04	2.08E-05	6.43E-05
7968	437204.9	3762915	0.000255	8.71E-04	3.97E-05	1.42E-04	2.14E-05	6.60E-05
7969	437201.4	3762906	0.000261	8.91E-04	4.06E-05	1.46E-04	2.19E-05	6.75E-05
7970	437197.9	3762898	0.000267	9.09E-04	4.14E-05	1.48E-04	2.23E-05	6.89E-05
7971	437364.2	3763044	0.00017	5.81E-04	2.65E-05	9.50E-05	1.43E-05	4.41E-05
7972	437373.8	3763044	0.000174	5.94E-04	2.71E-05	9.71E-05	1.46E-05	4.50E-05
7973	437383.5	3763044	0.000178	6.08E-04	2.77E-05	9.93E-05	1.49E-05	4.60E-05
7974	437393.1	3763044	0.000182	6.21E-04	2.83E-05	1.02E-04	1.53E-05	4.71E-05
7975	437460.7	3763044	0.000216	7.36E-04	3.35E-05	1.20E-04	1.81E-05	5.58E-05
7976	437470.3	3763044	0.000221	7.53E-04	3.43E-05	1.23E-04	1.85E-05	5.71E-05
7977	437480	3763044	0.000226	7.72E-04	3.52E-05	1.26E-04	1.89E-05	5.85E-05
7978	437489.6	3763043	0.000232	7.92E-04	3.61E-05	1.29E-04	1.94E-05	6.00E-05
7979	437499.3	3763043	0.000241	8.23E-04	3.75E-05	1.34E-04	2.02E-05	6.23E-05
7980	437508.9	3763043	0.000251	8.56E-04	3.90E-05	1.40E-04	2.10E-05	6.49E-05
7981	437518.6	3763043	0.000262	8.93E-04	4.07E-05	1.46E-04	2.19E-05	6.77E-05
7982	437528.2	3763043	0.000271	9.24E-04	4.21E-05	1.51E-04	2.27E-05	7.00E-05
7983	437537.9	3763043	0.00028	9.55E-04	4.35E-05	1.56E-04	2.34E-05	7.24E-05
7984	437547.5	3763043	0.00029	9.89E-04	4.50E-05	1.62E-04	2.43E-05	7.49E-05
7985	437355.4	3763060	0.000146	4.96E-04	2.26E-05	8.11E-05	1.22E-05	3.76E-05
7986	437346.5	3763056	0.000147	5.02E-04	2.29E-05	8.21E-05	1.23E-05	3.81E-05
7987	437337.7	3763053	0.000149	5.08E-04	2.31E-05	8.30E-05	1.25E-05	3.85E-05
7988	437328.8	3763049	0.000151	5.14E-04	2.34E-05	8.39E-05	1.26E-05	3.89E-05
7989	437319.9	3763045	0.000152	5.19E-04	2.36E-05	8.48E-05	1.27E-05	3.93E-05
7990	437311.1	3763042	0.000154	5.24E-04	2.39E-05	8.56E-05	1.29E-05	3.97E-05
7991	437302.2	3763038	0.000155	5.28E-04	2.41E-05	8.62E-05	1.30E-05	4.00E-05
7992	437293.4	3763035	0.000156	5.31E-04	2.42E-05	8.68E-05	1.30E-05	4.03E-05
7993	437284.5	3763031	0.000157	5.35E-04	2.44E-05	8.73E-05	1.31E-05	4.05E-05
7994	437275.7	3763027	0.000157	5.37E-04	2.45E-05	8.77E-05	1.32E-05	4.07E-05
7995	437266.8	3763024	0.000158	5.38E-04	2.45E-05	8.80E-05	1.32E-05	4.08E-05
7996	437258	3763020	0.000158	5.39E-04	2.46E-05	8.81E-05	1.32E-05	4.08E-05
7997	437218.9	3762996	0.000164	5.58E-04	2.54E-05	9.11E-05	1.37E-05	4.23E-05
7998	437215.2	3762988	0.000171	5.83E-04	2.66E-05	9.53E-05	1.43E-05	4.42E-05
7999	437211.5	3762979	0.000179	6.09E-04	2.77E-05	9.94E-05	1.49E-05	4.61E-05
8000	437207.8	3762970	0.000186	6.34E-04	2.89E-05	1.04E-04	1.56E-05	4.80E-05
8001	437204.2	3762961	0.000193	6.59E-04	3.00E-05	1.08E-04	1.62E-05	4.99E-05
8002	437200.5	3762952	0.0002	6.83E-04	3.11E-05	1.12E-04	1.68E-05	5.17E-05
8003	437196.8	3762943	0.000207	7.05E-04	3.21E-05	1.15E-04	1.73E-05	5.35E-05
8004	437193.2	3762935	0.000213	7.27E-04	3.31E-05	1.19E-04	1.78E-05	5.51E-05

8005	437189.5	3762926	0.000219	7.47E-04	3.40E-05	1.22E-04	1.83E-05	5.66E-05
8006	437185.8	3762917	0.000224	7.65E-04	3.49E-05	1.25E-04	1.88E-05	5.80E-05
8007	437182.2	3762908	0.000229	7.81E-04	3.56E-05	1.28E-04	1.92E-05	5.92E-05
8008	437364.2	3763064	0.000144	4.90E-04	2.23E-05	8.01E-05	1.20E-05	3.72E-05
8009	437373.9	3763064	0.000147	5.00E-04	2.28E-05	8.17E-05	1.23E-05	3.79E-05
8010	437383.5	3763064	0.00015	5.10E-04	2.33E-05	8.34E-05	1.25E-05	3.87E-05
8011	437393.2	3763064	0.000153	5.21E-04	2.37E-05	8.51E-05	1.28E-05	3.95E-05
8012	437402.8	3763064	0.000156	5.32E-04	2.43E-05	8.69E-05	1.31E-05	4.03E-05
8013	437441.4	3763064	0.00017	5.81E-04	2.65E-05	9.50E-05	1.43E-05	4.40E-05
8014	437451.1	3763064	0.000175	5.95E-04	2.71E-05	9.72E-05	1.46E-05	4.51E-05
8015	437460.7	3763064	0.000178	6.07E-04	2.77E-05	9.91E-05	1.49E-05	4.60E-05
8016	437470.4	3763064	0.000182	6.19E-04	2.82E-05	1.01E-04	1.52E-05	4.69E-05
8017	437480	3763064	0.000186	6.33E-04	2.88E-05	1.03E-04	1.55E-05	4.79E-05
8018	437489.7	3763063	0.00019	6.47E-04	2.95E-05	1.06E-04	1.59E-05	4.91E-05
8019	437499.3	3763063	0.000196	6.69E-04	3.05E-05	1.09E-04	1.64E-05	5.07E-05
8020	437509	3763063	0.000203	6.92E-04	3.15E-05	1.13E-04	1.70E-05	5.25E-05
8021	437518.6	3763063	0.00021	7.18E-04	3.27E-05	1.17E-04	1.76E-05	5.44E-05
8022	437528.3	3763063	0.000217	7.40E-04	3.37E-05	1.21E-04	1.82E-05	5.61E-05
8023	437537.9	3763063	0.000224	7.64E-04	3.48E-05	1.25E-04	1.88E-05	5.79E-05
8024	437547.6	3763063	0.000231	7.89E-04	3.60E-05	1.29E-04	1.94E-05	5.98E-05
8025	437355.6	3763080	0.000124	4.24E-04	1.93E-05	6.92E-05	1.04E-05	3.21E-05
8026	437346.9	3763077	0.000126	4.29E-04	1.95E-05	7.00E-05	1.05E-05	3.25E-05
8027	437338.3	3763073	0.000127	4.34E-04	1.98E-05	7.08E-05	1.06E-05	3.29E-05
8028	437329.6	3763069	0.000129	4.38E-04	2.00E-05	7.16E-05	1.08E-05	3.32E-05
8029	437321	3763066	0.00013	4.43E-04	2.02E-05	7.24E-05	1.09E-05	3.36E-05
8030	437312.3	3763062	0.000131	4.47E-04	2.04E-05	7.31E-05	1.10E-05	3.39E-05
8031	437303.6	3763059	0.000132	4.51E-04	2.06E-05	7.38E-05	1.11E-05	3.42E-05
8032	437295	3763055	0.000133	4.55E-04	2.07E-05	7.43E-05	1.12E-05	3.45E-05
8033	437286.3	3763052	0.000134	4.58E-04	2.09E-05	7.49E-05	1.12E-05	3.47E-05
8034	437277.7	3763048	0.000135	4.61E-04	2.10E-05	7.53E-05	1.13E-05	3.49E-05
8035	437269	3763044	0.000136	4.63E-04	2.11E-05	7.57E-05	1.14E-05	3.51E-05
8036	437260.4	3763041	0.000136	4.65E-04	2.12E-05	7.60E-05	1.14E-05	3.52E-05
8037	437217.1	3763023	0.000136	4.64E-04	2.12E-05	7.59E-05	1.14E-05	3.52E-05
8038	437204.8	3763011	0.000141	4.82E-04	2.20E-05	7.88E-05	1.18E-05	3.65E-05
8039	437201.2	3763002	0.000147	5.03E-04	2.29E-05	8.21E-05	1.23E-05	3.81E-05
8040	437197.6	3762994	0.000154	5.23E-04	2.39E-05	8.55E-05	1.29E-05	3.97E-05
8041	437194	3762985	0.00016	5.44E-04	2.48E-05	8.89E-05	1.34E-05	4.12E-05
8042	437190.5	3762976	0.000165	5.64E-04	2.57E-05	9.21E-05	1.38E-05	4.27E-05
8043	437186.9	3762968	0.000171	5.84E-04	2.66E-05	9.54E-05	1.43E-05	4.42E-05
8044	437183.3	3762959	0.000177	6.03E-04	2.75E-05	9.85E-05	1.48E-05	4.57E-05
8045	437364.3	3763084	0.000123	4.19E-04	1.91E-05	6.84E-05	1.03E-05	3.17E-05
8046	437373.9	3763084	0.000125	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
8047	437383.6	3763084	0.000127	4.34E-04	1.98E-05	7.10E-05	1.07E-05	3.29E-05
8048	437393.2	3763084	0.00013	4.43E-04	2.02E-05	7.23E-05	1.09E-05	3.35E-05
8049	437480.1	3763084	0.000155	5.28E-04	2.41E-05	8.63E-05	1.30E-05	4.00E-05
8050	437489.7	3763083	0.000158	5.39E-04	2.46E-05	8.81E-05	1.32E-05	4.08E-05
8051	437499.4	3763083	0.000162	5.54E-04	2.52E-05	9.05E-05	1.36E-05	4.20E-05
8052	437509	3763083	0.000167	5.70E-04	2.60E-05	9.31E-05	1.40E-05	4.32E-05
8053	437518.7	3763083	0.000172	5.87E-04	2.67E-05	9.59E-05	1.44E-05	4.45E-05
8054	437528.3	3763083	0.000177	6.05E-04	2.75E-05	9.88E-05	1.48E-05	4.58E-05
8055	437538	3763083	0.000183	6.23E-04	2.84E-05	1.02E-04	1.53E-05	4.72E-05
8056	437547.6	3763083	0.000189	6.43E-04	2.93E-05	1.05E-04	1.58E-05	4.88E-05

8057	437355.8	3763100	0.000107	3.65E-04	1.67E-05	5.97E-05	8.97E-06	2.77E-05
8058	437347.3	3763097	0.000108	3.69E-04	1.68E-05	6.04E-05	9.07E-06	2.80E-05
8059	437338.8	3763093	0.00011	3.74E-04	1.70E-05	6.10E-05	9.17E-06	2.83E-05
8060	437330.3	3763090	0.000111	3.78E-04	1.72E-05	6.17E-05	9.27E-06	2.86E-05
8061	437321.8	3763086	0.000112	3.82E-04	1.74E-05	6.23E-05	9.37E-06	2.89E-05
8062	437313.3	3763083	0.000113	3.86E-04	1.76E-05	6.30E-05	9.46E-06	2.92E-05
8063	437304.8	3763079	0.000114	3.89E-04	1.77E-05	6.36E-05	9.55E-06	2.95E-05
8064	437296.3	3763076	0.000115	3.93E-04	1.79E-05	6.42E-05	9.64E-06	2.98E-05
8065	437287.8	3763072	0.000116	3.96E-04	1.80E-05	6.47E-05	9.72E-06	3.00E-05
8066	437279.3	3763069	0.000117	3.99E-04	1.82E-05	6.52E-05	9.79E-06	3.02E-05
8067	437270.8	3763065	0.000118	4.01E-04	1.83E-05	6.56E-05	9.85E-06	3.04E-05
8068	437262.3	3763062	0.000118	4.04E-04	1.84E-05	6.59E-05	9.90E-06	3.06E-05
8069	437253.8	3763058	0.000119	4.05E-04	1.85E-05	6.62E-05	9.95E-06	3.07E-05
8070	437245.3	3763055	0.000119	4.07E-04	1.85E-05	6.64E-05	9.98E-06	3.08E-05
8071	437219.8	3763044	0.00012	4.08E-04	1.86E-05	6.66E-05	1.00E-05	3.09E-05
8072	437211.3	3763041	0.000119	4.07E-04	1.86E-05	6.65E-05	1.00E-05	3.09E-05
8073	437202.8	3763037	0.000119	4.06E-04	1.85E-05	6.63E-05	9.97E-06	3.08E-05
8074	437190.8	3763025	0.000123	4.21E-04	1.92E-05	6.87E-05	1.03E-05	3.19E-05
8075	437187.2	3763017	0.000128	4.38E-04	1.99E-05	7.15E-05	1.07E-05	3.32E-05
8076	437183.7	3763008	0.000133	4.55E-04	2.07E-05	7.43E-05	1.12E-05	3.44E-05
8077	437180.2	3763000	0.000138	4.71E-04	2.15E-05	7.70E-05	1.16E-05	3.57E-05
8078	437144.9	3762915	0.000179	6.09E-04	2.78E-05	9.96E-05	1.50E-05	4.62E-05
8079	437141.4	3762906	0.00018	6.14E-04	2.80E-05	1.00E-04	1.51E-05	4.65E-05
8080	437364.3	3763104	0.000106	3.61E-04	1.65E-05	5.90E-05	8.87E-06	2.74E-05
8081	437374	3763104	0.000108	3.67E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
8082	437383.6	3763104	0.00011	3.74E-04	1.70E-05	6.11E-05	9.17E-06	2.83E-05
8083	437422.2	3763104	0.000118	4.02E-04	1.83E-05	6.56E-05	9.86E-06	3.04E-05
8084	437431.9	3763104	0.00012	4.10E-04	1.87E-05	6.69E-05	1.01E-05	3.10E-05
8085	437441.5	3763104	0.000122	4.17E-04	1.90E-05	6.82E-05	1.02E-05	3.16E-05
8086	437451.2	3763104	0.000125	4.26E-04	1.94E-05	6.96E-05	1.05E-05	3.23E-05
8087	437499.4	3763103	0.000137	4.68E-04	2.13E-05	7.65E-05	1.15E-05	3.55E-05
8088	437509.1	3763103	0.000141	4.82E-04	2.20E-05	7.88E-05	1.18E-05	3.65E-05
8089	437518.7	3763103	0.000146	4.97E-04	2.26E-05	8.12E-05	1.22E-05	3.77E-05
8090	437528.4	3763103	0.000149	5.09E-04	2.32E-05	8.32E-05	1.25E-05	3.86E-05
8091	437538	3763103	0.000153	5.22E-04	2.38E-05	8.52E-05	1.28E-05	3.95E-05
8092	437547.7	3763103	0.000157	5.35E-04	2.44E-05	8.74E-05	1.31E-05	4.05E-05
8093	437355.6	3763120	9.34E-05	3.18E-04	1.45E-05	5.20E-05	7.82E-06	2.41E-05
8094	437346.8	3763117	9.44E-05	3.22E-04	1.47E-05	5.26E-05	7.90E-06	2.44E-05
8095	437338	3763113	9.54E-05	3.25E-04	1.48E-05	5.31E-05	7.98E-06	2.46E-05
8096	437329.3	3763109	9.64E-05	3.29E-04	1.50E-05	5.37E-05	8.07E-06	2.49E-05
8097	437320.5	3763106	9.74E-05	3.32E-04	1.51E-05	5.43E-05	8.15E-06	2.52E-05
8098	437311.7	3763102	9.84E-05	3.36E-04	1.53E-05	5.48E-05	8.24E-06	2.54E-05
8099	437302.9	3763098	9.94E-05	3.39E-04	1.54E-05	5.54E-05	8.32E-06	2.57E-05
8100	437294.2	3763095	0.0001	3.42E-04	1.56E-05	5.59E-05	8.40E-06	2.59E-05
8101	437285.4	3763091	0.000101	3.45E-04	1.57E-05	5.64E-05	8.48E-06	2.62E-05
8102	437276.6	3763088	0.000102	3.48E-04	1.59E-05	5.69E-05	8.55E-06	2.64E-05
8103	437267.9	3763084	0.000103	3.51E-04	1.60E-05	5.73E-05	8.62E-06	2.66E-05
8104	437259.1	3763080	0.000104	3.53E-04	1.61E-05	5.77E-05	8.67E-06	2.68E-05
8105	437250.3	3763077	0.000104	3.55E-04	1.62E-05	5.80E-05	8.72E-06	2.69E-05
8106	437241.5	3763073	0.000105	3.57E-04	1.63E-05	5.83E-05	8.76E-06	2.71E-05
8107	437232.8	3763069	0.000105	3.58E-04	1.63E-05	5.85E-05	8.80E-06	2.72E-05
8108	437224	3763066	0.000105	3.59E-04	1.64E-05	5.87E-05	8.82E-06	2.72E-05

8109	437215.2	3763062	0.000105	3.60E-04	1.64E-05	5.88E-05	8.83E-06	2.73E-05
8110	437206.5	3763059	0.000105	3.60E-04	1.64E-05	5.88E-05	8.83E-06	2.73E-05
8111	437197.7	3763055	0.000105	3.59E-04	1.64E-05	5.87E-05	8.82E-06	2.72E-05
8112	437188.9	3763051	0.000105	3.58E-04	1.63E-05	5.85E-05	8.80E-06	2.72E-05
8113	437143.8	3762960	0.000146	4.97E-04	2.27E-05	8.12E-05	1.22E-05	3.77E-05
8114	437140.2	3762951	0.000149	5.09E-04	2.32E-05	8.31E-05	1.25E-05	3.86E-05
8115	437136.5	3762943	0.000152	5.20E-04	2.37E-05	8.49E-05	1.28E-05	3.94E-05
8116	437132.9	3762934	0.000155	5.29E-04	2.41E-05	8.65E-05	1.30E-05	4.01E-05
8117	437129.3	3762925	0.000158	5.38E-04	2.45E-05	8.79E-05	1.32E-05	4.08E-05
8118	437125.6	3762916	0.00016	5.46E-04	2.49E-05	8.91E-05	1.34E-05	4.13E-05
8119	437122	3762908	0.000161	5.50E-04	2.51E-05	8.99E-05	1.35E-05	4.17E-05
8120	437118.3	3762899	0.000162	5.54E-04	2.52E-05	9.05E-05	1.36E-05	4.20E-05
8121	437364.3	3763124	9.24E-05	3.15E-04	1.44E-05	5.15E-05	7.73E-06	2.39E-05
8122	437374	3763124	9.38E-05	3.20E-04	1.46E-05	5.23E-05	7.85E-06	2.42E-05
8123	437383.6	3763124	9.53E-05	3.25E-04	1.48E-05	5.31E-05	7.98E-06	2.46E-05
8124	437422.2	3763124	0.000102	3.47E-04	1.58E-05	5.68E-05	8.53E-06	2.63E-05
8125	437431.9	3763124	0.000104	3.54E-04	1.61E-05	5.78E-05	8.68E-06	2.68E-05
8126	437441.5	3763124	0.000106	3.60E-04	1.64E-05	5.88E-05	8.84E-06	2.73E-05
8127	437451.2	3763124	0.000108	3.67E-04	1.67E-05	5.99E-05	9.01E-06	2.78E-05
8128	437460.8	3763124	0.00011	3.74E-04	1.70E-05	6.11E-05	9.18E-06	2.83E-05
8129	437470.5	3763124	0.000112	3.81E-04	1.73E-05	6.22E-05	9.34E-06	2.88E-05
8130	437499.5	3763123	0.000118	4.02E-04	1.83E-05	6.56E-05	9.86E-06	3.04E-05
8131	437509.1	3763123	0.000121	4.11E-04	1.87E-05	6.71E-05	1.01E-05	3.11E-05
8132	437518.8	3763123	0.000123	4.21E-04	1.92E-05	6.88E-05	1.03E-05	3.19E-05
8133	437528.4	3763123	0.000126	4.30E-04	1.96E-05	7.03E-05	1.06E-05	3.26E-05
8134	437538.1	3763123	0.000129	4.40E-04	2.01E-05	7.19E-05	1.08E-05	3.34E-05
8135	437547.7	3763123	0.000132	4.51E-04	2.05E-05	7.37E-05	1.11E-05	3.42E-05
8136	437355.8	3763140	8.2E-05	2.80E-04	1.27E-05	4.57E-05	6.86E-06	2.12E-05
8137	437347.1	3763137	8.28E-05	2.82E-04	1.29E-05	4.61E-05	6.93E-06	2.14E-05
8138	437338.5	3763133	8.36E-05	2.85E-04	1.30E-05	4.66E-05	7.00E-06	2.16E-05
8139	437329.9	3763130	8.44E-05	2.88E-04	1.31E-05	4.70E-05	7.07E-06	2.18E-05
8140	437321.3	3763126	8.53E-05	2.91E-04	1.33E-05	4.75E-05	7.14E-06	2.20E-05
8141	437312.6	3763122	8.61E-05	2.94E-04	1.34E-05	4.80E-05	7.21E-06	2.23E-05
8142	437304	3763119	8.7E-05	2.97E-04	1.35E-05	4.85E-05	7.28E-06	2.25E-05
8143	437295.4	3763115	8.78E-05	2.99E-04	1.36E-05	4.89E-05	7.35E-06	2.27E-05
8144	437286.8	3763112	8.86E-05	3.02E-04	1.38E-05	4.94E-05	7.42E-06	2.29E-05
8145	437278.1	3763108	8.94E-05	3.05E-04	1.39E-05	4.98E-05	7.49E-06	2.31E-05
8146	437269.5	3763105	9.02E-05	3.08E-04	1.40E-05	5.02E-05	7.55E-06	2.33E-05
8147	437260.9	3763101	9.09E-05	3.10E-04	1.41E-05	5.06E-05	7.61E-06	2.35E-05
8148	437252.3	3763098	9.15E-05	3.12E-04	1.42E-05	5.10E-05	7.66E-06	2.36E-05
8149	437243.6	3763094	9.21E-05	3.14E-04	1.43E-05	5.13E-05	7.71E-06	2.38E-05
8150	437235	3763090	9.26E-05	3.16E-04	1.44E-05	5.16E-05	7.75E-06	2.39E-05
8151	437226.4	3763087	9.3E-05	3.17E-04	1.44E-05	5.18E-05	7.78E-06	2.40E-05
8152	437217.8	3763083	9.33E-05	3.18E-04	1.45E-05	5.20E-05	7.81E-06	2.41E-05
8153	437209.1	3763080	9.36E-05	3.19E-04	1.45E-05	5.21E-05	7.83E-06	2.42E-05
8154	437200.5	3763076	9.37E-05	3.20E-04	1.46E-05	5.22E-05	7.84E-06	2.42E-05
8155	437191.9	3763073	9.37E-05	3.20E-04	1.46E-05	5.22E-05	7.84E-06	2.42E-05
8156	437183.3	3763069	9.36E-05	3.19E-04	1.45E-05	5.22E-05	7.84E-06	2.42E-05
8157	437144.6	3763010	0.000114	3.90E-04	1.78E-05	6.38E-05	9.58E-06	2.96E-05
8158	437141	3763002	0.000118	4.02E-04	1.83E-05	6.57E-05	9.87E-06	3.05E-05
8159	437137.4	3762993	0.000121	4.14E-04	1.89E-05	6.76E-05	1.02E-05	3.14E-05
8160	437133.8	3762984	0.000125	4.25E-04	1.94E-05	6.95E-05	1.04E-05	3.22E-05

8161	437130.3	3762976	0.000128	4.36E-04	1.99E-05	7.12E-05	1.07E-05	3.30E-05
8162	437126.7	3762967	0.000131	4.46E-04	2.03E-05	7.29E-05	1.10E-05	3.38E-05
8163	437123.1	3762959	0.000134	4.56E-04	2.08E-05	7.45E-05	1.12E-05	3.46E-05
8164	437119.6	3762950	0.000136	4.65E-04	2.12E-05	7.60E-05	1.14E-05	3.53E-05
8165	437116	3762941	0.000139	4.74E-04	2.16E-05	7.74E-05	1.16E-05	3.59E-05
8166	437112.4	3762933	0.000141	4.81E-04	2.19E-05	7.86E-05	1.18E-05	3.64E-05
8167	437108.8	3762924	0.000143	4.87E-04	2.22E-05	7.96E-05	1.20E-05	3.69E-05
8168	437105.3	3762915	0.000144	4.93E-04	2.25E-05	8.05E-05	1.21E-05	3.73E-05
8169	437101.7	3762907	0.000146	4.97E-04	2.26E-05	8.12E-05	1.22E-05	3.77E-05
8170	437098.1	3762898	0.000147	5.00E-04	2.28E-05	8.17E-05	1.23E-05	3.79E-05
8171	437364.4	3763144	8.12E-05	2.77E-04	1.26E-05	4.52E-05	6.80E-06	2.10E-05
8172	437374	3763144	8.24E-05	2.81E-04	1.28E-05	4.59E-05	6.90E-06	2.13E-05
8173	437383.7	3763144	8.36E-05	2.85E-04	1.30E-05	4.66E-05	7.00E-06	2.16E-05
8174	437422.3	3763144	8.9E-05	3.03E-04	1.38E-05	4.96E-05	7.45E-06	2.30E-05
8175	437431.9	3763144	9.05E-05	3.09E-04	1.41E-05	5.04E-05	7.58E-06	2.34E-05
8176	437441.6	3763144	9.21E-05	3.14E-04	1.43E-05	5.13E-05	7.71E-06	2.38E-05
8177	437451.2	3763144	9.37E-05	3.19E-04	1.46E-05	5.22E-05	7.84E-06	2.42E-05
8178	437460.9	3763144	9.54E-05	3.25E-04	1.48E-05	5.31E-05	7.98E-06	2.46E-05
8179	437470.5	3763144	9.71E-05	3.31E-04	1.51E-05	5.41E-05	8.13E-06	2.51E-05
8180	437509.1	3763143	0.000104	3.54E-04	1.61E-05	5.78E-05	8.69E-06	2.68E-05
8181	437518.8	3763143	0.000105	3.60E-04	1.64E-05	5.88E-05	8.83E-06	2.73E-05
8182	437528.4	3763143	0.000108	3.67E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
8183	437538.1	3763143	0.00011	3.76E-04	1.71E-05	6.14E-05	9.22E-06	2.85E-05
8184	437547.7	3763143	0.000113	3.85E-04	1.75E-05	6.28E-05	9.44E-06	2.92E-05
8185	437355.6	3763160	7.25E-05	2.47E-04	1.13E-05	4.04E-05	6.07E-06	1.87E-05
8186	437346.7	3763156	7.32E-05	2.50E-04	1.14E-05	4.08E-05	6.13E-06	1.89E-05
8187	437337.9	3763153	7.39E-05	2.52E-04	1.15E-05	4.12E-05	6.19E-06	1.91E-05
8188	437329	3763149	7.47E-05	2.55E-04	1.16E-05	4.16E-05	6.25E-06	1.93E-05
8189	437320.1	3763145	7.54E-05	2.57E-04	1.17E-05	4.20E-05	6.31E-06	1.95E-05
8190	437311.3	3763142	7.61E-05	2.60E-04	1.18E-05	4.24E-05	6.37E-06	1.97E-05
8191	437302.4	3763138	7.69E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.99E-05
8192	437293.6	3763135	7.76E-05	2.65E-04	1.21E-05	4.32E-05	6.50E-06	2.01E-05
8193	437284.7	3763131	7.83E-05	2.67E-04	1.22E-05	4.36E-05	6.56E-06	2.02E-05
8194	437275.9	3763127	7.91E-05	2.70E-04	1.23E-05	4.40E-05	6.62E-06	2.04E-05
8195	437267	3763124	7.98E-05	2.72E-04	1.24E-05	4.44E-05	6.68E-06	2.06E-05
8196	437258.2	3763120	8.05E-05	2.74E-04	1.25E-05	4.48E-05	6.73E-06	2.08E-05
8197	437249.3	3763116	8.11E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
8198	437240.4	3763113	8.17E-05	2.78E-04	1.27E-05	4.55E-05	6.84E-06	2.11E-05
8199	437231.6	3763109	8.22E-05	2.80E-04	1.28E-05	4.58E-05	6.88E-06	2.12E-05
8200	437222.7	3763105	8.26E-05	2.82E-04	1.28E-05	4.60E-05	6.91E-06	2.13E-05
8201	437213.9	3763102	8.3E-05	2.83E-04	1.29E-05	4.62E-05	6.95E-06	2.15E-05
8202	437205	3763098	8.34E-05	2.84E-04	1.30E-05	4.64E-05	6.98E-06	2.15E-05
8203	437196.2	3763094	8.36E-05	2.85E-04	1.30E-05	4.66E-05	7.00E-06	2.16E-05
8204	437187.3	3763091	8.37E-05	2.86E-04	1.30E-05	4.66E-05	7.01E-06	2.16E-05
8205	437144.6	3763058	8.96E-05	3.05E-04	1.39E-05	4.99E-05	7.50E-06	2.31E-05
8206	437140.9	3763050	9.27E-05	3.16E-04	1.44E-05	5.16E-05	7.76E-06	2.40E-05
8207	437137.2	3763041	9.59E-05	3.27E-04	1.49E-05	5.34E-05	8.03E-06	2.48E-05
8208	437133.5	3763032	9.9E-05	3.38E-04	1.54E-05	5.52E-05	8.29E-06	2.56E-05
8209	437129.9	3763023	0.000102	3.48E-04	1.59E-05	5.69E-05	8.55E-06	2.64E-05
8210	437126.2	3763014	0.000105	3.59E-04	1.64E-05	5.87E-05	8.81E-06	2.72E-05
8211	437122.5	3763005	0.000108	3.69E-04	1.68E-05	6.04E-05	9.07E-06	2.80E-05
8212	437118.9	3762996	0.000111	3.80E-04	1.73E-05	6.20E-05	9.32E-06	2.88E-05

8213	437115.2	3762988	0.000114	3.89E-04	1.77E-05	6.36E-05	9.56E-06	2.95E-05
8214	437111.5	3762979	0.000117	3.99E-04	1.82E-05	6.51E-05	9.78E-06	3.02E-05
8215	437107.8	3762970	0.000119	4.07E-04	1.86E-05	6.66E-05	1.00E-05	3.09E-05
8216	437104.2	3762961	0.000122	4.16E-04	1.89E-05	6.79E-05	1.02E-05	3.15E-05
8217	437100.5	3762952	0.000124	4.23E-04	1.93E-05	6.91E-05	1.04E-05	3.21E-05
8218	437096.8	3762943	0.000126	4.30E-04	1.96E-05	7.02E-05	1.06E-05	3.26E-05
8219	437093.2	3762935	0.000128	4.36E-04	1.99E-05	7.12E-05	1.07E-05	3.30E-05
8220	437089.5	3762926	0.000129	4.41E-04	2.01E-05	7.20E-05	1.08E-05	3.34E-05
8221	437085.8	3762917	0.000131	4.45E-04	2.03E-05	7.27E-05	1.09E-05	3.37E-05
8222	437082.2	3762908	0.000132	4.49E-04	2.04E-05	7.33E-05	1.10E-05	3.40E-05
8223	437078.5	3762899	0.000132	4.51E-04	2.06E-05	7.37E-05	1.11E-05	3.42E-05
8224	437364.4	3763164	7.19E-05	2.45E-04	1.12E-05	4.00E-05	6.01E-06	1.86E-05
8225	437374.1	3763164	7.28E-05	2.48E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
8226	437383.7	3763164	7.38E-05	2.52E-04	1.15E-05	4.11E-05	6.18E-06	1.91E-05
8227	437422.3	3763164	7.83E-05	2.67E-04	1.22E-05	4.36E-05	6.56E-06	2.02E-05
8228	437432	3763164	7.96E-05	2.72E-04	1.24E-05	4.44E-05	6.66E-06	2.06E-05
8229	437441.6	3763164	8.09E-05	2.76E-04	1.26E-05	4.51E-05	6.78E-06	2.09E-05
8230	437451.3	3763164	8.23E-05	2.81E-04	1.28E-05	4.59E-05	6.89E-06	2.13E-05
8231	437460.9	3763164	8.37E-05	2.86E-04	1.30E-05	4.66E-05	7.01E-06	2.16E-05
8232	437470.6	3763164	8.51E-05	2.90E-04	1.32E-05	4.74E-05	7.13E-06	2.20E-05
8233	437509.2	3763163	9.07E-05	3.09E-04	1.41E-05	5.05E-05	7.59E-06	2.34E-05
8234	437518.8	3763163	9.18E-05	3.13E-04	1.43E-05	5.11E-05	7.68E-06	2.37E-05
8235	437528.5	3763163	9.33E-05	3.18E-04	1.45E-05	5.20E-05	7.81E-06	2.41E-05
8236	437538.1	3763163	9.5E-05	3.24E-04	1.48E-05	5.29E-05	7.95E-06	2.46E-05
8237	437547.8	3763163	9.68E-05	3.30E-04	1.50E-05	5.39E-05	8.10E-06	2.50E-05
8238	437355.8	3763190	6.1E-05	2.08E-04	9.49E-06	3.40E-05	5.11E-06	1.58E-05
8239	437347.2	3763187	6.16E-05	2.10E-04	9.57E-06	3.43E-05	5.15E-06	1.59E-05
8240	437338.5	3763183	6.21E-05	2.12E-04	9.65E-06	3.46E-05	5.20E-06	1.61E-05
8241	437329.9	3763179	6.27E-05	2.14E-04	9.74E-06	3.49E-05	5.25E-06	1.62E-05
8242	437321.2	3763176	6.33E-05	2.16E-04	9.83E-06	3.52E-05	5.29E-06	1.63E-05
8243	437312.5	3763172	6.38E-05	2.18E-04	9.92E-06	3.56E-05	5.34E-06	1.65E-05
8244	437303.9	3763169	6.44E-05	2.20E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
8245	437295.2	3763165	6.5E-05	2.22E-04	1.01E-05	3.62E-05	5.44E-06	1.68E-05
8246	437286.6	3763162	6.56E-05	2.24E-04	1.02E-05	3.65E-05	5.49E-06	1.69E-05
8247	437277.9	3763158	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
8248	437269.2	3763154	6.68E-05	2.28E-04	1.04E-05	3.72E-05	5.59E-06	1.72E-05
8249	437260.6	3763151	6.73E-05	2.30E-04	1.05E-05	3.75E-05	5.64E-06	1.74E-05
8250	437251.9	3763147	6.77E-05	2.31E-04	1.05E-05	3.77E-05	5.67E-06	1.75E-05
8251	437243.3	3763144	6.81E-05	2.32E-04	1.06E-05	3.79E-05	5.70E-06	1.76E-05
8252	437234.6	3763140	6.84E-05	2.33E-04	1.06E-05	3.81E-05	5.72E-06	1.77E-05
8253	437225.9	3763137	6.88E-05	2.35E-04	1.07E-05	3.83E-05	5.76E-06	1.78E-05
8254	437217.3	3763133	6.93E-05	2.36E-04	1.08E-05	3.86E-05	5.80E-06	1.79E-05
8255	437208.6	3763129	7E-05	2.39E-04	1.09E-05	3.90E-05	5.86E-06	1.81E-05
8256	437200	3763126	7.06E-05	2.41E-04	1.10E-05	3.93E-05	5.91E-06	1.82E-05
8257	437191.3	3763122	7.09E-05	2.42E-04	1.10E-05	3.95E-05	5.94E-06	1.83E-05
8258	437182.7	3763119	7.12E-05	2.43E-04	1.11E-05	3.97E-05	5.96E-06	1.84E-05
8259	437139.4	3763101	7.16E-05	2.44E-04	1.11E-05	3.99E-05	5.99E-06	1.85E-05
8260	437127.1	3763089	7.39E-05	2.52E-04	1.15E-05	4.12E-05	6.18E-06	1.91E-05
8261	437123.5	3763080	7.63E-05	2.60E-04	1.19E-05	4.25E-05	6.39E-06	1.97E-05
8262	437119.9	3763071	7.88E-05	2.69E-04	1.22E-05	4.39E-05	6.60E-06	2.04E-05
8263	437116.3	3763063	8.13E-05	2.77E-04	1.26E-05	4.53E-05	6.80E-06	2.10E-05
8264	437112.8	3763054	8.38E-05	2.86E-04	1.30E-05	4.67E-05	7.01E-06	2.16E-05

8265	437109.2	3763045	8.63E-05	2.94E-04	1.34E-05	4.81E-05	7.22E-06	2.23E-05
8266	437105.6	3763037	8.88E-05	3.03E-04	1.38E-05	4.94E-05	7.43E-06	2.29E-05
8267	437102	3763028	9.12E-05	3.11E-04	1.42E-05	5.08E-05	7.63E-06	2.36E-05
8268	437098.4	3763019	9.36E-05	3.19E-04	1.45E-05	5.21E-05	7.84E-06	2.42E-05
8269	437094.8	3763011	9.59E-05	3.27E-04	1.49E-05	5.34E-05	8.03E-06	2.48E-05
8270	437091.2	3763002	9.82E-05	3.35E-04	1.53E-05	5.47E-05	8.22E-06	2.54E-05
8271	437087.6	3762994	0.0001	3.42E-04	1.56E-05	5.59E-05	8.40E-06	2.59E-05
8272	437084	3762985	0.000102	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.65E-05
8273	437080.5	3762976	0.000104	3.56E-04	1.62E-05	5.81E-05	8.73E-06	2.70E-05
8274	437076.9	3762968	0.000106	3.62E-04	1.65E-05	5.91E-05	8.88E-06	2.74E-05
8275	437073.3	3762959	0.000108	3.68E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
8276	437069.7	3762950	0.000109	3.72E-04	1.70E-05	6.08E-05	9.14E-06	2.82E-05
8277	437066.1	3762942	0.00011	3.77E-04	1.72E-05	6.15E-05	9.25E-06	2.85E-05
8278	437062.5	3762933	0.000112	3.80E-04	1.73E-05	6.21E-05	9.34E-06	2.88E-05
8279	437058.9	3762924	0.000113	3.84E-04	1.75E-05	6.27E-05	9.42E-06	2.91E-05
8280	437055.3	3762916	0.000113	3.87E-04	1.76E-05	6.32E-05	9.49E-06	2.93E-05
8281	437364.5	3763194	6.05E-05	2.06E-04	9.40E-06	3.37E-05	5.07E-06	1.56E-05
8282	437374.1	3763194	6.13E-05	2.09E-04	9.52E-06	3.41E-05	5.13E-06	1.58E-05
8283	437383.8	3763194	6.21E-05	2.12E-04	9.65E-06	3.46E-05	5.20E-06	1.60E-05
8284	437422.4	3763194	6.54E-05	2.23E-04	1.02E-05	3.64E-05	5.47E-06	1.69E-05
8285	437432	3763194	6.66E-05	2.27E-04	1.03E-05	3.71E-05	5.57E-06	1.72E-05
8286	437441.7	3763194	6.76E-05	2.30E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05
8287	437451.3	3763194	6.86E-05	2.34E-04	1.07E-05	3.82E-05	5.74E-06	1.77E-05
8288	437461	3763194	6.97E-05	2.38E-04	1.08E-05	3.88E-05	5.83E-06	1.80E-05
8289	437470.6	3763194	7.08E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
8290	437509.2	3763193	7.55E-05	2.58E-04	1.17E-05	4.21E-05	6.32E-06	1.95E-05
8291	437518.9	3763193	7.65E-05	2.61E-04	1.19E-05	4.26E-05	6.40E-06	1.98E-05
8292	437528.5	3763193	7.73E-05	2.64E-04	1.20E-05	4.31E-05	6.47E-06	2.00E-05
8293	437538.2	3763193	7.82E-05	2.67E-04	1.22E-05	4.36E-05	6.55E-06	2.02E-05
8294	437547.8	3763193	7.92E-05	2.70E-04	1.23E-05	4.41E-05	6.63E-06	2.05E-05
8295	437355.8	3763220	5.21E-05	1.78E-04	8.10E-06	2.90E-05	4.36E-06	1.35E-05
8296	437347	3763216	5.25E-05	1.79E-04	8.16E-06	2.93E-05	4.40E-06	1.36E-05
8297	437338.2	3763213	5.3E-05	1.81E-04	8.23E-06	2.95E-05	4.43E-06	1.37E-05
8298	437329.4	3763209	5.34E-05	1.82E-04	8.30E-06	2.98E-05	4.47E-06	1.38E-05
8299	437320.6	3763206	5.39E-05	1.84E-04	8.37E-06	3.00E-05	4.51E-06	1.39E-05
8300	437311.8	3763202	5.44E-05	1.85E-04	8.45E-06	3.03E-05	4.55E-06	1.40E-05
8301	437303	3763198	5.48E-05	1.87E-04	8.52E-06	3.05E-05	4.59E-06	1.42E-05
8302	437294.2	3763195	5.53E-05	1.89E-04	8.59E-06	3.08E-05	4.63E-06	1.43E-05
8303	437285.4	3763191	5.58E-05	1.90E-04	8.67E-06	3.11E-05	4.67E-06	1.44E-05
8304	437276.6	3763187	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.71E-06	1.45E-05
8305	437267.8	3763184	5.68E-05	1.94E-04	8.82E-06	3.16E-05	4.75E-06	1.47E-05
8306	437259	3763180	5.73E-05	1.95E-04	8.90E-06	3.19E-05	4.80E-06	1.48E-05
8307	437250.2	3763177	5.78E-05	1.97E-04	8.98E-06	3.22E-05	4.84E-06	1.49E-05
8308	437241.4	3763173	5.8E-05	1.98E-04	9.02E-06	3.23E-05	4.86E-06	1.50E-05
8309	437232.6	3763169	5.82E-05	1.99E-04	9.05E-06	3.24E-05	4.87E-06	1.50E-05
8310	437223.8	3763166	5.85E-05	2.00E-04	9.09E-06	3.26E-05	4.90E-06	1.51E-05
8311	437215	3763162	5.88E-05	2.01E-04	9.14E-06	3.28E-05	4.92E-06	1.52E-05
8312	437206.3	3763158	5.91E-05	2.02E-04	9.19E-06	3.29E-05	4.95E-06	1.53E-05
8313	437197.5	3763155	5.95E-05	2.03E-04	9.24E-06	3.31E-05	4.98E-06	1.54E-05
8314	437188.7	3763151	5.98E-05	2.04E-04	9.29E-06	3.33E-05	5.01E-06	1.55E-05
8315	437144.7	3763133	6.18E-05	2.11E-04	9.61E-06	3.44E-05	5.17E-06	1.60E-05
8316	437135.9	3763129	6.19E-05	2.11E-04	9.62E-06	3.45E-05	5.18E-06	1.60E-05

8317	437127.1	3763126	6.2E-05	2.11E-04	9.63E-06	3.45E-05	5.19E-06	1.60E-05
8318	437118.3	3763122	6.19E-05	2.11E-04	9.62E-06	3.45E-05	5.18E-06	1.60E-05
8319	437105.9	3763110	6.39E-05	2.18E-04	9.92E-06	3.56E-05	5.35E-06	1.65E-05
8320	437102.2	3763101	6.59E-05	2.25E-04	1.02E-05	3.67E-05	5.52E-06	1.70E-05
8321	437098.6	3763092	6.79E-05	2.32E-04	1.06E-05	3.79E-05	5.69E-06	1.76E-05
8322	437094.9	3763083	7E-05	2.39E-04	1.09E-05	3.90E-05	5.86E-06	1.81E-05
8323	437091.3	3763075	7.21E-05	2.46E-04	1.12E-05	4.02E-05	6.03E-06	1.86E-05
8324	437087.6	3763066	7.42E-05	2.53E-04	1.15E-05	4.13E-05	6.21E-06	1.92E-05
8325	437084	3763057	7.62E-05	2.60E-04	1.18E-05	4.25E-05	6.38E-06	1.97E-05
8326	437080.4	3763048	7.83E-05	2.67E-04	1.22E-05	4.36E-05	6.55E-06	2.02E-05
8327	437076.7	3763039	8.03E-05	2.74E-04	1.25E-05	4.47E-05	6.72E-06	2.07E-05
8328	437073.1	3763031	8.22E-05	2.80E-04	1.28E-05	4.58E-05	6.88E-06	2.12E-05
8329	437069.4	3763022	8.42E-05	2.87E-04	1.31E-05	4.69E-05	7.04E-06	2.17E-05
8330	437065.8	3763013	8.6E-05	2.93E-04	1.34E-05	4.79E-05	7.20E-06	2.22E-05
8331	437062.1	3763004	8.78E-05	2.99E-04	1.36E-05	4.89E-05	7.35E-06	2.27E-05
8332	437058.5	3762996	8.95E-05	3.05E-04	1.39E-05	4.99E-05	7.49E-06	2.31E-05
8333	437054.8	3762987	9.11E-05	3.11E-04	1.42E-05	5.07E-05	7.62E-06	2.35E-05
8334	437051.2	3762978	9.26E-05	3.16E-04	1.44E-05	5.16E-05	7.75E-06	2.39E-05
8335	437047.5	3762969	9.39E-05	3.20E-04	1.46E-05	5.23E-05	7.86E-06	2.43E-05
8336	437043.9	3762960	9.51E-05	3.24E-04	1.48E-05	5.30E-05	7.96E-06	2.46E-05
8337	437040.3	3762952	9.62E-05	3.28E-04	1.49E-05	5.36E-05	8.05E-06	2.49E-05
8338	437036.6	3762943	9.72E-05	3.31E-04	1.51E-05	5.41E-05	8.13E-06	2.51E-05
8339	437033	3762934	9.8E-05	3.34E-04	1.52E-05	5.46E-05	8.20E-06	2.53E-05
8340	437029.3	3762925	9.87E-05	3.36E-04	1.53E-05	5.50E-05	8.26E-06	2.55E-05
8341	437025.7	3762916	9.92E-05	3.38E-04	1.54E-05	5.53E-05	8.30E-06	2.56E-05
8342	437364.6	3763224	5.17E-05	1.76E-04	8.03E-06	2.88E-05	4.33E-06	1.34E-05
8343	437374.2	3763224	5.23E-05	1.78E-04	8.13E-06	2.91E-05	4.38E-06	1.35E-05
8344	437383.9	3763224	5.28E-05	1.80E-04	8.21E-06	2.94E-05	4.42E-06	1.37E-05
8345	437422.5	3763224	5.47E-05	1.87E-04	8.51E-06	3.05E-05	4.58E-06	1.41E-05
8346	437432.1	3763224	5.54E-05	1.89E-04	8.61E-06	3.09E-05	4.64E-06	1.43E-05
8347	437441.8	3763224	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.72E-06	1.46E-05
8348	437451.4	3763224	5.73E-05	1.95E-04	8.90E-06	3.19E-05	4.79E-06	1.48E-05
8349	437461.1	3763224	5.82E-05	1.99E-04	9.05E-06	3.24E-05	4.88E-06	1.50E-05
8350	437499.7	3763223	6.2E-05	2.12E-04	9.64E-06	3.46E-05	5.19E-06	1.60E-05
8351	437509.3	3763223	6.31E-05	2.15E-04	9.81E-06	3.52E-05	5.28E-06	1.63E-05
8352	437519	3763223	6.43E-05	2.19E-04	9.99E-06	3.58E-05	5.38E-06	1.66E-05
8353	437528.6	3763223	6.49E-05	2.21E-04	1.01E-05	3.61E-05	5.43E-06	1.68E-05
8354	437538.3	3763223	6.55E-05	2.23E-04	1.02E-05	3.65E-05	5.48E-06	1.69E-05
8355	437547.9	3763223	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
8356	437355.7	3763250	0.000045	1.53E-04	6.99E-06	2.51E-05	3.77E-06	1.16E-05
8357	437346.8	3763246	4.53E-05	1.55E-04	7.04E-06	2.52E-05	3.79E-06	1.17E-05
8358	437337.9	3763243	4.57E-05	1.56E-04	7.10E-06	2.54E-05	3.82E-06	1.18E-05
8359	437329	3763239	4.6E-05	1.57E-04	7.15E-06	2.56E-05	3.85E-06	1.19E-05
8360	437320	3763235	4.64E-05	1.58E-04	7.21E-06	2.59E-05	3.89E-06	1.20E-05
8361	437311.1	3763232	4.68E-05	1.60E-04	7.28E-06	2.61E-05	3.92E-06	1.21E-05
8362	437302.2	3763228	4.72E-05	1.61E-04	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8363	437293.3	3763224	4.76E-05	1.62E-04	7.40E-06	2.65E-05	3.99E-06	1.23E-05
8364	437284.4	3763221	4.8E-05	1.64E-04	7.46E-06	2.67E-05	4.02E-06	1.24E-05
8365	437275.5	3763217	4.84E-05	1.65E-04	7.53E-06	2.70E-05	4.05E-06	1.25E-05
8366	437266.6	3763213	4.89E-05	1.67E-04	7.59E-06	2.72E-05	4.09E-06	1.26E-05
8367	437257.7	3763210	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
8368	437248.7	3763206	4.97E-05	1.70E-04	7.73E-06	2.77E-05	4.16E-06	1.29E-05

8369	437239.8	3763202	5.02E-05	1.71E-04	7.80E-06	2.80E-05	4.20E-06	1.30E-05
8370	437230.9	3763199	5.06E-05	1.73E-04	7.86E-06	2.82E-05	4.24E-06	1.31E-05
8371	437222	3763195	5.1E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
8372	437213.1	3763191	5.14E-05	1.75E-04	7.99E-06	2.86E-05	4.30E-06	1.33E-05
8373	437204.2	3763188	5.18E-05	1.76E-04	8.04E-06	2.88E-05	4.33E-06	1.34E-05
8374	437195.3	3763184	5.18E-05	1.77E-04	8.04E-06	2.88E-05	4.33E-06	1.34E-05
8375	437186.4	3763180	5.19E-05	1.77E-04	8.06E-06	2.89E-05	4.34E-06	1.34E-05
8376	437141.8	3763162	5.35E-05	1.83E-04	8.32E-06	2.98E-05	4.48E-06	1.38E-05
8377	437132.9	3763158	5.39E-05	1.84E-04	8.37E-06	3.00E-05	4.51E-06	1.39E-05
8378	437124	3763155	5.4E-05	1.84E-04	8.39E-06	3.01E-05	4.52E-06	1.40E-05
8379	437115.1	3763151	5.41E-05	1.84E-04	8.41E-06	3.01E-05	4.53E-06	1.40E-05
8380	437106.1	3763147	5.41E-05	1.84E-04	8.40E-06	3.01E-05	4.53E-06	1.40E-05
8381	437097.2	3763143	5.39E-05	1.84E-04	8.38E-06	3.00E-05	4.52E-06	1.39E-05
8382	437084.6	3763131	5.54E-05	1.89E-04	8.61E-06	3.09E-05	4.64E-06	1.43E-05
8383	437080.9	3763122	5.72E-05	1.95E-04	8.89E-06	3.19E-05	4.79E-06	1.48E-05
8384	437077.2	3763113	5.91E-05	2.02E-04	9.19E-06	3.29E-05	4.95E-06	1.53E-05
8385	437073.5	3763104	6.09E-05	2.08E-04	9.46E-06	3.39E-05	5.10E-06	1.57E-05
8386	437069.8	3763095	6.26E-05	2.13E-04	9.72E-06	3.49E-05	5.24E-06	1.62E-05
8387	437066.2	3763086	6.44E-05	2.20E-04	1.00E-05	3.59E-05	5.39E-06	1.66E-05
8388	437062.5	3763077	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
8389	437058.8	3763069	6.79E-05	2.32E-04	1.06E-05	3.78E-05	5.68E-06	1.75E-05
8390	437055.1	3763060	6.96E-05	2.37E-04	1.08E-05	3.88E-05	5.82E-06	1.80E-05
8391	437051.4	3763051	7.12E-05	2.43E-04	1.11E-05	3.96E-05	5.96E-06	1.84E-05
8392	437047.7	3763042	7.28E-05	2.48E-04	1.13E-05	4.06E-05	6.09E-06	1.88E-05
8393	437044	3763033	7.44E-05	2.54E-04	1.16E-05	4.14E-05	6.23E-06	1.92E-05
8394	437040.3	3763024	7.59E-05	2.59E-04	1.18E-05	4.23E-05	6.35E-06	1.96E-05
8395	437036.6	3763015	7.74E-05	2.64E-04	1.20E-05	4.31E-05	6.48E-06	2.00E-05
8396	437032.9	3763006	7.89E-05	2.69E-04	1.23E-05	4.40E-05	6.60E-06	2.04E-05
8397	437029.2	3762997	8.02E-05	2.74E-04	1.25E-05	4.47E-05	6.71E-06	2.07E-05
8398	437025.5	3762988	8.15E-05	2.78E-04	1.27E-05	4.54E-05	6.82E-06	2.10E-05
8399	437021.8	3762980	8.26E-05	2.82E-04	1.28E-05	4.60E-05	6.91E-06	2.13E-05
8400	437018.1	3762971	8.36E-05	2.85E-04	1.30E-05	4.66E-05	7.00E-06	2.16E-05
8401	437014.4	3762962	8.45E-05	2.88E-04	1.31E-05	4.71E-05	7.08E-06	2.18E-05
8402	437010.7	3762953	8.53E-05	2.91E-04	1.33E-05	4.75E-05	7.14E-06	2.21E-05
8403	437007.1	3762944	8.61E-05	2.93E-04	1.34E-05	4.79E-05	7.20E-06	2.22E-05
8404	437003.4	3762935	8.66E-05	2.95E-04	1.35E-05	4.83E-05	7.25E-06	2.24E-05
8405	436999.7	3762926	8.71E-05	2.97E-04	1.35E-05	4.85E-05	7.29E-06	2.25E-05
8406	436996	3762917	8.75E-05	2.98E-04	1.36E-05	4.87E-05	7.32E-06	2.26E-05
8407	437364.6	3763254	4.47E-05	1.52E-04	6.94E-06	2.49E-05	3.74E-06	1.15E-05
8408	437374.3	3763254	4.51E-05	1.54E-04	7.01E-06	2.51E-05	3.77E-06	1.16E-05
8409	437383.9	3763254	4.54E-05	1.55E-04	7.06E-06	2.53E-05	3.80E-06	1.17E-05
8410	437422.5	3763254	4.68E-05	1.60E-04	7.27E-06	2.61E-05	3.92E-06	1.21E-05
8411	437432.2	3763254	4.72E-05	1.61E-04	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8412	437441.8	3763254	4.8E-05	1.64E-04	7.45E-06	2.67E-05	4.02E-06	1.24E-05
8413	437451.5	3763254	4.87E-05	1.66E-04	7.57E-06	2.71E-05	4.08E-06	1.26E-05
8414	437461.1	3763254	4.95E-05	1.69E-04	7.69E-06	2.76E-05	4.14E-06	1.28E-05
8415	437470.8	3763254	5.02E-05	1.71E-04	7.79E-06	2.79E-05	4.20E-06	1.30E-05
8416	437480.4	3763254	5.08E-05	1.73E-04	7.90E-06	2.83E-05	4.26E-06	1.31E-05
8417	437490.1	3763253	5.15E-05	1.76E-04	8.01E-06	2.87E-05	4.31E-06	1.33E-05
8418	437499.7	3763253	5.23E-05	1.78E-04	8.12E-06	2.91E-05	4.38E-06	1.35E-05
8419	437509.4	3763253	5.3E-05	1.81E-04	8.24E-06	2.95E-05	4.44E-06	1.37E-05
8420	437519	3763253	5.38E-05	1.84E-04	8.37E-06	3.00E-05	4.51E-06	1.39E-05

8421	437528.7	3763253	5.46E-05	1.86E-04	8.48E-06	3.04E-05	4.57E-06	1.41E-05
8422	437538.3	3763253	5.53E-05	1.89E-04	8.59E-06	3.08E-05	4.63E-06	1.43E-05
8423	437548	3763253	5.61E-05	1.91E-04	8.71E-06	3.12E-05	4.69E-06	1.45E-05
8424	437355.9	3763280	3.87E-05	1.32E-04	6.01E-06	2.16E-05	3.24E-06	1.00E-05
8425	437347.2	3763277	3.9E-05	1.33E-04	6.06E-06	2.17E-05	3.27E-06	1.01E-05
8426	437338.4	3763273	3.94E-05	1.34E-04	6.12E-06	2.19E-05	3.30E-06	1.02E-05
8427	437329.7	3763269	3.99E-05	1.36E-04	6.19E-06	2.22E-05	3.34E-06	1.03E-05
8428	437320.9	3763266	4.04E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
8429	437312.2	3763262	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.40E-06	1.05E-05
8430	437303.4	3763258	4.1E-05	1.40E-04	6.37E-06	2.28E-05	3.43E-06	1.06E-05
8431	437294.7	3763255	4.13E-05	1.41E-04	6.42E-06	2.30E-05	3.46E-06	1.07E-05
8432	437285.9	3763251	4.16E-05	1.42E-04	6.47E-06	2.32E-05	3.49E-06	1.08E-05
8433	437277.2	3763248	4.2E-05	1.43E-04	6.52E-06	2.34E-05	3.51E-06	1.08E-05
8434	437268.4	3763244	4.23E-05	1.44E-04	6.58E-06	2.36E-05	3.54E-06	1.09E-05
8435	437259.7	3763240	4.27E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
8436	437250.9	3763237	4.31E-05	1.47E-04	6.69E-06	2.40E-05	3.61E-06	1.11E-05
8437	437242.2	3763233	4.35E-05	1.48E-04	6.76E-06	2.42E-05	3.64E-06	1.12E-05
8438	437233.4	3763230	4.39E-05	1.50E-04	6.81E-06	2.44E-05	3.67E-06	1.13E-05
8439	437224.7	3763226	4.42E-05	1.51E-04	6.87E-06	2.46E-05	3.70E-06	1.14E-05
8440	437215.9	3763222	4.46E-05	1.52E-04	6.93E-06	2.48E-05	3.73E-06	1.15E-05
8441	437207.2	3763219	4.49E-05	1.53E-04	6.98E-06	2.50E-05	3.76E-06	1.16E-05
8442	437198.4	3763215	4.52E-05	1.54E-04	7.03E-06	2.52E-05	3.79E-06	1.17E-05
8443	437189.6	3763212	4.55E-05	1.55E-04	7.07E-06	2.54E-05	3.81E-06	1.18E-05
8444	437180.9	3763208	4.58E-05	1.56E-04	7.12E-06	2.55E-05	3.84E-06	1.18E-05
8445	437145.9	3763194	4.68E-05	1.60E-04	7.28E-06	2.61E-05	3.92E-06	1.21E-05
8446	437137.1	3763190	4.71E-05	1.60E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
8447	437128.4	3763186	4.72E-05	1.61E-04	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8448	437119.6	3763183	4.74E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.22E-05
8449	437110.9	3763179	4.75E-05	1.62E-04	7.38E-06	2.64E-05	3.97E-06	1.23E-05
8450	437102.1	3763175	4.75E-05	1.62E-04	7.39E-06	2.65E-05	3.98E-06	1.23E-05
8451	437093.4	3763172	4.75E-05	1.62E-04	7.38E-06	2.65E-05	3.98E-06	1.23E-05
8452	437084.6	3763168	4.75E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.23E-05
8453	437075.9	3763165	4.73E-05	1.61E-04	7.35E-06	2.64E-05	3.96E-06	1.22E-05
8454	437063.5	3763152	4.86E-05	1.66E-04	7.55E-06	2.71E-05	4.06E-06	1.25E-05
8455	437059.9	3763144	5E-05	1.70E-04	7.76E-06	2.78E-05	4.18E-06	1.29E-05
8456	437056.2	3763135	5.15E-05	1.76E-04	8.01E-06	2.87E-05	4.31E-06	1.33E-05
8457	437052.6	3763126	5.32E-05	1.81E-04	8.27E-06	2.96E-05	4.45E-06	1.37E-05
8458	437049	3763117	5.48E-05	1.87E-04	8.52E-06	3.05E-05	4.59E-06	1.42E-05
8459	437045.4	3763109	5.63E-05	1.92E-04	8.74E-06	3.14E-05	4.71E-06	1.45E-05
8460	437041.7	3763100	5.77E-05	1.97E-04	8.97E-06	3.22E-05	4.83E-06	1.49E-05
8461	437038.1	3763091	5.92E-05	2.02E-04	9.19E-06	3.30E-05	4.95E-06	1.53E-05
8462	437034.5	3763082	6.06E-05	2.07E-04	9.41E-06	3.37E-05	5.07E-06	1.57E-05
8463	437030.9	3763074	6.2E-05	2.11E-04	9.63E-06	3.45E-05	5.19E-06	1.60E-05
8464	437027.2	3763065	6.33E-05	2.16E-04	9.84E-06	3.53E-05	5.30E-06	1.64E-05
8465	437023.6	3763056	6.47E-05	2.21E-04	1.00E-05	3.60E-05	5.41E-06	1.67E-05
8466	437020	3763047	6.6E-05	2.25E-04	1.03E-05	3.68E-05	5.52E-06	1.71E-05
8467	437016.3	3763039	6.73E-05	2.29E-04	1.04E-05	3.75E-05	5.63E-06	1.74E-05
8468	437012.7	3763030	6.85E-05	2.33E-04	1.06E-05	3.81E-05	5.73E-06	1.77E-05
8469	437009.1	3763021	6.95E-05	2.37E-04	1.08E-05	3.87E-05	5.82E-06	1.80E-05
8470	437005.5	3763012	7.07E-05	2.41E-04	1.10E-05	3.94E-05	5.92E-06	1.83E-05
8471	437001.8	3763004	7.18E-05	2.45E-04	1.11E-05	4.00E-05	6.01E-06	1.85E-05
8472	436998.2	3762995	7.27E-05	2.48E-04	1.13E-05	4.05E-05	6.09E-06	1.88E-05

8473	436994.6	3762986	7.36E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
8474	436991	3762977	7.44E-05	2.54E-04	1.16E-05	4.15E-05	6.23E-06	1.92E-05
8475	436987.3	3762969	7.52E-05	2.56E-04	1.17E-05	4.19E-05	6.29E-06	1.94E-05
8476	436983.7	3762960	7.58E-05	2.59E-04	1.18E-05	4.22E-05	6.35E-06	1.96E-05
8477	436980.1	3762951	7.64E-05	2.60E-04	1.19E-05	4.26E-05	6.39E-06	1.97E-05
8478	436976.4	3762942	7.69E-05	2.62E-04	1.19E-05	4.28E-05	6.43E-06	1.99E-05
8479	436972.8	3762934	7.72E-05	2.63E-04	1.20E-05	4.30E-05	6.46E-06	2.00E-05
8480	436969.2	3762925	7.75E-05	2.64E-04	1.20E-05	4.32E-05	6.49E-06	2.00E-05
8481	436965.6	3762916	7.77E-05	2.65E-04	1.21E-05	4.33E-05	6.51E-06	2.01E-05
8482	436961.9	3762907	7.78E-05	2.65E-04	1.21E-05	4.34E-05	6.51E-06	2.01E-05
8483	436958.3	3762899	7.78E-05	2.65E-04	1.21E-05	4.34E-05	6.52E-06	2.01E-05
8484	437364.7	3763284	3.84E-05	1.31E-04	5.96E-06	2.14E-05	3.21E-06	9.92E-06
8485	437374.3	3763284	3.88E-05	1.32E-04	6.03E-06	2.16E-05	3.25E-06	1.00E-05
8486	437384	3763284	3.92E-05	1.34E-04	6.09E-06	2.18E-05	3.28E-06	1.01E-05
8487	437393.6	3763284	3.96E-05	1.35E-04	6.15E-06	2.21E-05	3.32E-06	1.02E-05
8488	437403.3	3763284	4E-05	1.36E-04	6.21E-06	2.23E-05	3.35E-06	1.03E-05
8489	437412.9	3763284	4.03E-05	1.38E-04	6.27E-06	2.25E-05	3.38E-06	1.04E-05
8490	437422.6	3763284	4.07E-05	1.39E-04	6.32E-06	2.27E-05	3.40E-06	1.05E-05
8491	437432.2	3763284	4.11E-05	1.40E-04	6.38E-06	2.29E-05	3.44E-06	1.06E-05
8492	437441.9	3763284	4.17E-05	1.42E-04	6.48E-06	2.32E-05	3.49E-06	1.08E-05
8493	437451.5	3763284	4.23E-05	1.44E-04	6.57E-06	2.36E-05	3.54E-06	1.09E-05
8494	437461.2	3763284	4.29E-05	1.46E-04	6.67E-06	2.39E-05	3.59E-06	1.11E-05
8495	437470.8	3763284	4.35E-05	1.48E-04	6.75E-06	2.42E-05	3.64E-06	1.12E-05
8496	437480.5	3763284	4.4E-05	1.50E-04	6.84E-06	2.45E-05	3.68E-06	1.14E-05
8497	437490.1	3763283	4.46E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
8498	437499.8	3763283	4.5E-05	1.54E-04	7.00E-06	2.51E-05	3.77E-06	1.16E-05
8499	437509.4	3763283	4.55E-05	1.55E-04	7.07E-06	2.54E-05	3.81E-06	1.18E-05
8500	437519.1	3763283	4.6E-05	1.57E-04	7.15E-06	2.56E-05	3.85E-06	1.19E-05
8501	437528.7	3763283	4.66E-05	1.59E-04	7.24E-06	2.60E-05	3.90E-06	1.20E-05
8502	437538.4	3763283	4.72E-05	1.61E-04	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8503	437548	3763283	4.79E-05	1.63E-04	7.44E-06	2.67E-05	4.01E-06	1.24E-05
8504	437355.9	3763310	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.73E-06
8505	437347	3763306	3.4E-05	1.16E-04	5.29E-06	1.90E-05	2.85E-06	8.79E-06
8506	437338.2	3763303	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
8507	437329.3	3763299	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.94E-06
8508	437320.5	3763295	3.5E-05	1.19E-04	5.43E-06	1.95E-05	2.93E-06	9.03E-06
8509	437311.6	3763292	3.53E-05	1.20E-04	5.49E-06	1.97E-05	2.96E-06	9.13E-06
8510	437302.7	3763288	3.56E-05	1.22E-04	5.54E-06	1.99E-05	2.98E-06	9.21E-06
8511	437293.9	3763285	3.59E-05	1.23E-04	5.59E-06	2.00E-05	3.01E-06	9.29E-06
8512	437285	3763281	3.63E-05	1.24E-04	5.63E-06	2.02E-05	3.03E-06	9.37E-06
8513	437276.2	3763277	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.06E-06	9.46E-06
8514	437267.3	3763274	3.7E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.57E-06
8515	437258.5	3763270	3.74E-05	1.28E-04	5.82E-06	2.09E-05	3.13E-06	9.67E-06
8516	437249.6	3763266	3.77E-05	1.29E-04	5.87E-06	2.10E-05	3.16E-06	9.75E-06
8517	437240.8	3763263	3.81E-05	1.30E-04	5.92E-06	2.12E-05	3.19E-06	9.84E-06
8518	437231.9	3763259	3.84E-05	1.31E-04	5.97E-06	2.14E-05	3.22E-06	9.93E-06
8519	437223	3763255	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
8520	437214.2	3763252	3.91E-05	1.33E-04	6.07E-06	2.18E-05	3.27E-06	1.01E-05
8521	437205.3	3763248	3.94E-05	1.34E-04	6.12E-06	2.19E-05	3.30E-06	1.02E-05
8522	437196.5	3763244	3.97E-05	1.35E-04	6.17E-06	2.21E-05	3.32E-06	1.03E-05
8523	437187.6	3763241	4E-05	1.36E-04	6.21E-06	2.23E-05	3.35E-06	1.03E-05
8524	437143.3	3763222	4.12E-05	1.41E-04	6.41E-06	2.30E-05	3.45E-06	1.07E-05

8525	437134.5	3763219	4.15E-05	1.41E-04	6.44E-06	2.31E-05	3.47E-06	1.07E-05
8526	437125.6	3763215	4.17E-05	1.42E-04	6.47E-06	2.32E-05	3.49E-06	1.08E-05
8527	437116.8	3763211	4.18E-05	1.43E-04	6.50E-06	2.33E-05	3.50E-06	1.08E-05
8528	437107.9	3763208	0.000042	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
8529	437099.1	3763204	4.2E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
8530	437090.2	3763201	4.21E-05	1.43E-04	6.54E-06	2.34E-05	3.52E-06	1.09E-05
8531	437081.4	3763197	4.21E-05	1.43E-04	6.54E-06	2.34E-05	3.52E-06	1.09E-05
8532	437072.5	3763193	4.21E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
8533	437063.6	3763190	4.21E-05	1.44E-04	6.54E-06	2.34E-05	3.52E-06	1.09E-05
8534	437054.8	3763186	4.21E-05	1.44E-04	6.55E-06	2.35E-05	3.53E-06	1.09E-05
8535	437042.3	3763173	4.33E-05	1.48E-04	6.73E-06	2.41E-05	3.62E-06	1.12E-05
8536	437038.6	3763165	4.46E-05	1.52E-04	6.92E-06	2.48E-05	3.73E-06	1.15E-05
8537	437034.9	3763156	4.59E-05	1.56E-04	7.13E-06	2.56E-05	3.84E-06	1.19E-05
8538	437031.3	3763147	4.72E-05	1.61E-04	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8539	437027.6	3763138	4.86E-05	1.66E-04	7.55E-06	2.71E-05	4.07E-06	1.25E-05
8540	437023.9	3763129	4.98E-05	1.70E-04	7.74E-06	2.77E-05	4.17E-06	1.29E-05
8541	437020.2	3763120	5.11E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
8542	437016.6	3763111	5.23E-05	1.78E-04	8.13E-06	2.91E-05	4.38E-06	1.35E-05
8543	437012.9	3763103	5.35E-05	1.83E-04	8.32E-06	2.98E-05	4.48E-06	1.38E-05
8544	437009.2	3763094	5.47E-05	1.87E-04	8.51E-06	3.05E-05	4.58E-06	1.41E-05
8545	437005.6	3763085	5.59E-05	1.91E-04	8.69E-06	3.12E-05	4.68E-06	1.45E-05
8546	437001.9	3763076	5.71E-05	1.95E-04	8.87E-06	3.18E-05	4.78E-06	1.48E-05
8547	436998.2	3763067	5.82E-05	1.99E-04	9.05E-06	3.24E-05	4.87E-06	1.50E-05
8548	436994.6	3763058	5.93E-05	2.02E-04	9.22E-06	3.30E-05	4.97E-06	1.53E-05
8549	436990.9	3763050	6.04E-05	2.06E-04	9.38E-06	3.36E-05	5.05E-06	1.56E-05
8550	436987.2	3763041	6.14E-05	2.09E-04	9.54E-06	3.42E-05	5.14E-06	1.59E-05
8551	436983.5	3763032	6.24E-05	2.13E-04	9.69E-06	3.47E-05	5.22E-06	1.61E-05
8552	436979.9	3763023	6.32E-05	2.16E-04	9.82E-06	3.52E-05	5.29E-06	1.63E-05
8553	436976.2	3763014	6.42E-05	2.19E-04	9.97E-06	3.57E-05	5.37E-06	1.66E-05
8554	436972.5	3763005	6.5E-05	2.22E-04	1.01E-05	3.62E-05	5.44E-06	1.68E-05
8555	436968.9	3762996	6.58E-05	2.24E-04	1.02E-05	3.66E-05	5.50E-06	1.70E-05
8556	436965.2	3762988	6.65E-05	2.27E-04	1.03E-05	3.70E-05	5.56E-06	1.72E-05
8557	436961.5	3762979	6.71E-05	2.29E-04	1.04E-05	3.74E-05	5.62E-06	1.73E-05
8558	436957.8	3762970	6.76E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05
8559	436954.2	3762961	6.81E-05	2.32E-04	1.06E-05	3.79E-05	5.70E-06	1.76E-05
8560	436950.5	3762952	6.85E-05	2.34E-04	1.06E-05	3.82E-05	5.74E-06	1.77E-05
8561	436946.8	3762943	6.88E-05	2.35E-04	1.07E-05	3.84E-05	5.76E-06	1.78E-05
8562	436943.2	3762935	6.91E-05	2.36E-04	1.07E-05	3.85E-05	5.78E-06	1.79E-05
8563	436939.5	3762926	6.93E-05	2.36E-04	1.08E-05	3.86E-05	5.80E-06	1.79E-05
8564	436935.8	3762917	6.94E-05	2.37E-04	1.08E-05	3.86E-05	5.81E-06	1.79E-05
8565	436932.2	3762908	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
8566	436928.5	3762899	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
8567	437364.7	3763314	3.36E-05	1.15E-04	5.22E-06	1.87E-05	2.81E-06	8.68E-06
8568	437374.4	3763314	3.39E-05	1.16E-04	5.27E-06	1.89E-05	2.84E-06	8.77E-06
8569	437384	3763314	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
8570	437393.7	3763314	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.95E-06
8571	437403.3	3763314	3.5E-05	1.20E-04	5.45E-06	1.95E-05	2.93E-06	9.06E-06
8572	437413	3763314	3.55E-05	1.21E-04	5.51E-06	1.98E-05	2.97E-06	9.17E-06
8573	437422.6	3763314	3.59E-05	1.22E-04	5.58E-06	2.00E-05	3.01E-06	9.28E-06
8574	437432.3	3763314	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.04E-06	9.40E-06
8575	437441.9	3763314	3.68E-05	1.26E-04	5.72E-06	2.05E-05	3.08E-06	9.51E-06
8576	437451.6	3763314	3.72E-05	1.27E-04	5.79E-06	2.07E-05	3.12E-06	9.62E-06

8577	437461.2	3763314	3.77E-05	1.29E-04	5.86E-06	2.10E-05	3.15E-06	9.74E-06
8578	437470.9	3763314	3.81E-05	1.30E-04	5.92E-06	2.12E-05	3.19E-06	9.85E-06
8579	437480.5	3763314	3.86E-05	1.32E-04	5.99E-06	2.15E-05	3.23E-06	9.97E-06
8580	437490.2	3763313	3.9E-05	1.33E-04	6.06E-06	2.17E-05	3.27E-06	1.01E-05
8581	437499.8	3763313	3.94E-05	1.34E-04	6.12E-06	2.19E-05	3.30E-06	1.02E-05
8582	437509.5	3763313	3.98E-05	1.36E-04	6.18E-06	2.21E-05	3.33E-06	1.03E-05
8583	437519.1	3763313	4.01E-05	1.37E-04	6.24E-06	2.24E-05	3.36E-06	1.04E-05
8584	437528.8	3763313	4.05E-05	1.38E-04	6.30E-06	2.26E-05	3.39E-06	1.05E-05
8585	437538.4	3763313	4.1E-05	1.40E-04	6.37E-06	2.28E-05	3.43E-06	1.06E-05
8586	437548.1	3763313	4.14E-05	1.41E-04	6.43E-06	2.31E-05	3.47E-06	1.07E-05
8587	437356.1	3763340	3.01E-05	1.02E-04	4.67E-06	1.67E-05	2.52E-06	7.76E-06
8588	437347.4	3763337	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.80E-06
8589	437338.6	3763333	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06
8590	437329.9	3763329	3.06E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.90E-06
8591	437321.2	3763326	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.96E-06
8592	437312.5	3763322	3.11E-05	1.06E-04	4.83E-06	1.73E-05	2.60E-06	8.03E-06
8593	437303.8	3763319	3.13E-05	1.07E-04	4.87E-06	1.74E-05	2.62E-06	8.09E-06
8594	437295	3763315	3.16E-05	1.08E-04	4.90E-06	1.76E-05	2.64E-06	8.15E-06
8595	437286.3	3763311	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.22E-06
8596	437277.6	3763308	3.21E-05	1.09E-04	4.98E-06	1.79E-05	2.68E-06	8.29E-06
8597	437268.9	3763304	3.24E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.36E-06
8598	437260.2	3763301	3.27E-05	1.12E-04	5.08E-06	1.82E-05	2.74E-06	8.45E-06
8599	437251.4	3763297	3.31E-05	1.13E-04	5.14E-06	1.84E-05	2.77E-06	8.54E-06
8600	437242.7	3763293	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.80E-06	8.63E-06
8601	437234	3763290	3.37E-05	1.15E-04	5.24E-06	1.88E-05	2.82E-06	8.72E-06
8602	437225.3	3763286	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.85E-06	8.81E-06
8603	437216.6	3763283	3.43E-05	1.17E-04	5.34E-06	1.91E-05	2.87E-06	8.87E-06
8604	437207.9	3763279	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.95E-06
8605	437199.1	3763275	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.02E-06
8606	437190.4	3763272	3.52E-05	1.20E-04	5.46E-06	1.96E-05	2.94E-06	9.09E-06
8607	437181.7	3763268	3.54E-05	1.21E-04	5.50E-06	1.97E-05	2.97E-06	9.15E-06
8608	437146.8	3763254	3.64E-05	1.24E-04	5.65E-06	2.03E-05	3.04E-06	9.40E-06
8609	437138.1	3763250	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.06E-06	9.46E-06
8610	437129.4	3763247	3.68E-05	1.26E-04	5.72E-06	2.05E-05	3.08E-06	9.51E-06
8611	437120.7	3763243	3.7E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.56E-06
8612	437111.9	3763239	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
8613	437103.2	3763236	3.72E-05	1.27E-04	5.79E-06	2.07E-05	3.12E-06	9.62E-06
8614	437094.5	3763232	3.74E-05	1.28E-04	5.81E-06	2.08E-05	3.13E-06	9.67E-06
8615	437085.8	3763229	3.76E-05	1.28E-04	5.84E-06	2.09E-05	3.14E-06	9.70E-06
8616	437077.1	3763225	3.76E-05	1.28E-04	5.85E-06	2.10E-05	3.15E-06	9.73E-06
8617	437068.3	3763221	3.77E-05	1.29E-04	5.86E-06	2.10E-05	3.16E-06	9.74E-06
8618	437059.6	3763218	3.78E-05	1.29E-04	5.87E-06	2.10E-05	3.16E-06	9.76E-06
8619	437050.9	3763214	3.78E-05	1.29E-04	5.87E-06	2.11E-05	3.16E-06	9.77E-06
8620	437042.2	3763211	3.78E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.78E-06
8621	437033.5	3763207	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.79E-06
8622	437021.1	3763195	3.89E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
8623	437017.5	3763186	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
8624	437013.9	3763177	4.08E-05	1.39E-04	6.35E-06	2.28E-05	3.42E-06	1.06E-05
8625	437010.3	3763169	4.18E-05	1.43E-04	6.50E-06	2.33E-05	3.50E-06	1.08E-05
8626	437006.7	3763160	4.3E-05	1.47E-04	6.69E-06	2.40E-05	3.60E-06	1.11E-05
8627	437003.1	3763151	4.42E-05	1.51E-04	6.87E-06	2.46E-05	3.70E-06	1.14E-05
8628	436999.4	3763143	4.53E-05	1.54E-04	7.04E-06	2.52E-05	3.79E-06	1.17E-05

8629	436995.8	3763134	4.63E-05	1.58E-04	7.20E-06	2.58E-05	3.88E-06	1.20E-05
8630	436992.2	3763125	4.74E-05	1.62E-04	7.36E-06	2.64E-05	3.96E-06	1.22E-05
8631	436988.6	3763116	4.84E-05	1.65E-04	7.52E-06	2.70E-05	4.05E-06	1.25E-05
8632	436985	3763108	4.94E-05	1.69E-04	7.68E-06	2.75E-05	4.14E-06	1.28E-05
8633	436981.4	3763099	5.04E-05	1.72E-04	7.83E-06	2.81E-05	4.22E-06	1.30E-05
8634	436977.8	3763090	5.14E-05	1.75E-04	7.99E-06	2.86E-05	4.30E-06	1.33E-05
8635	436974.2	3763082	5.24E-05	1.79E-04	8.14E-06	2.92E-05	4.38E-06	1.35E-05
8636	436970.5	3763073	5.33E-05	1.82E-04	8.28E-06	2.97E-05	4.46E-06	1.38E-05
8637	436966.9	3763064	5.42E-05	1.85E-04	8.42E-06	3.02E-05	4.54E-06	1.40E-05
8638	436963.3	3763055	5.51E-05	1.88E-04	8.55E-06	3.07E-05	4.61E-06	1.42E-05
8639	436959.7	3763047	5.59E-05	1.91E-04	8.68E-06	3.11E-05	4.68E-06	1.44E-05
8640	436956.1	3763038	5.67E-05	1.93E-04	8.80E-06	3.16E-05	4.74E-06	1.46E-05
8641	436952.5	3763029	5.74E-05	1.96E-04	8.92E-06	3.20E-05	4.81E-06	1.48E-05
8642	436948.9	3763021	5.81E-05	1.98E-04	9.03E-06	3.24E-05	4.86E-06	1.50E-05
8643	436945.2	3763012	5.88E-05	2.00E-04	9.13E-06	3.27E-05	4.92E-06	1.52E-05
8644	436941.6	3763003	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.53E-05
8645	436938	3762994	5.99E-05	2.04E-04	9.31E-06	3.34E-05	5.02E-06	1.55E-05
8646	436934.4	3762986	6.04E-05	2.06E-04	9.39E-06	3.37E-05	5.06E-06	1.56E-05
8647	436930.8	3762977	6.09E-05	2.08E-04	9.46E-06	3.39E-05	5.10E-06	1.57E-05
8648	436927.2	3762968	6.13E-05	2.09E-04	9.52E-06	3.41E-05	5.13E-06	1.58E-05
8649	436923.6	3762960	6.16E-05	2.10E-04	9.57E-06	3.43E-05	5.15E-06	1.59E-05
8650	436919.9	3762951	6.18E-05	2.11E-04	9.61E-06	3.44E-05	5.18E-06	1.60E-05
8651	436916.3	3762942	6.2E-05	2.11E-04	9.64E-06	3.45E-05	5.19E-06	1.60E-05
8652	436912.7	3762933	6.22E-05	2.12E-04	9.66E-06	3.46E-05	5.20E-06	1.61E-05
8653	436909.1	3762925	6.23E-05	2.12E-04	9.68E-06	3.47E-05	5.21E-06	1.61E-05
8654	436905.5	3762916	6.23E-05	2.12E-04	9.68E-06	3.47E-05	5.22E-06	1.61E-05
8655	436901.9	3762907	6.23E-05	2.12E-04	9.68E-06	3.47E-05	5.21E-06	1.61E-05
8656	436898.3	3762899	6.22E-05	2.12E-04	9.67E-06	3.47E-05	5.21E-06	1.61E-05
8657	437364.8	3763344	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
8658	437374.5	3763344	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.80E-06
8659	437384.1	3763344	3.05E-05	1.04E-04	4.74E-06	1.70E-05	2.55E-06	7.88E-06
8660	437393.8	3763344	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.96E-06
8661	437403.4	3763344	3.11E-05	1.06E-04	4.84E-06	1.73E-05	2.61E-06	8.05E-06
8662	437413.1	3763344	3.15E-05	1.08E-04	4.90E-06	1.76E-05	2.64E-06	8.15E-06
8663	437422.7	3763344	3.19E-05	1.09E-04	4.96E-06	1.78E-05	2.67E-06	8.25E-06
8664	437432.4	3763344	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.71E-06	8.36E-06
8665	437442	3763344	3.27E-05	1.11E-04	5.08E-06	1.82E-05	2.74E-06	8.45E-06
8666	437451.7	3763344	3.3E-05	1.13E-04	5.13E-06	1.84E-05	2.77E-06	8.54E-06
8667	437461.3	3763344	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.80E-06	8.63E-06
8668	437471	3763344	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.72E-06
8669	437480.6	3763344	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.86E-06	8.82E-06
8670	437490.3	3763343	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.92E-06
8671	437499.9	3763343	3.49E-05	1.19E-04	5.43E-06	1.95E-05	2.92E-06	9.03E-06
8672	437509.6	3763343	3.54E-05	1.21E-04	5.50E-06	1.97E-05	2.96E-06	9.14E-06
8673	437519.2	3763343	3.58E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.25E-06
8674	437528.9	3763343	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.32E-06
8675	437538.5	3763343	3.63E-05	1.24E-04	5.65E-06	2.02E-05	3.04E-06	9.39E-06
8676	437548.2	3763343	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.06E-06	9.46E-06
8677	437356	3763370	2.71E-05	9.25E-05	4.21E-06	1.51E-05	2.27E-06	7.01E-06
8678	437347.2	3763366	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
8679	437338.4	3763363	2.73E-05	9.32E-05	4.25E-06	1.52E-05	2.29E-06	7.06E-06
8680	437329.6	3763359	2.74E-05	9.36E-05	4.26E-06	1.53E-05	2.30E-06	7.09E-06

8681	437320.8	3763356	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
8682	437312	3763352	2.77E-05	9.44E-05	4.30E-06	1.54E-05	2.32E-06	7.16E-06
8683	437303.2	3763348	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
8684	437294.4	3763345	2.8E-05	9.53E-05	4.34E-06	1.56E-05	2.34E-06	7.22E-06
8685	437285.6	3763341	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
8686	437276.7	3763337	2.83E-05	9.66E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
8687	437267.9	3763334	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06
8688	437259.1	3763330	2.88E-05	9.83E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
8689	437250.3	3763326	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.43E-06	7.52E-06
8690	437241.5	3763323	2.94E-05	1.00E-04	4.56E-06	1.64E-05	2.46E-06	7.59E-06
8691	437232.7	3763319	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.65E-06
8692	437223.9	3763316	2.99E-05	1.02E-04	4.64E-06	1.67E-05	2.50E-06	7.72E-06
8693	437215.1	3763312	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.80E-06
8694	437206.2	3763308	3.05E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.87E-06
8695	437197.4	3763305	3.07E-05	1.05E-04	4.78E-06	1.71E-05	2.57E-06	7.95E-06
8696	437188.6	3763301	3.1E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
8697	437144.6	3763283	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.70E-06	8.34E-06
8698	437135.7	3763279	3.24E-05	1.11E-04	5.04E-06	1.81E-05	2.72E-06	8.38E-06
8699	437126.9	3763276	3.26E-05	1.11E-04	5.07E-06	1.82E-05	2.73E-06	8.42E-06
8700	437118.1	3763272	3.28E-05	1.12E-04	5.09E-06	1.82E-05	2.74E-06	8.46E-06
8701	437109.3	3763268	3.29E-05	1.12E-04	5.11E-06	1.83E-05	2.75E-06	8.50E-06
8702	437100.5	3763265	3.3E-05	1.13E-04	5.13E-06	1.84E-05	2.76E-06	8.53E-06
8703	437091.7	3763261	3.33E-05	1.13E-04	5.17E-06	1.85E-05	2.79E-06	8.60E-06
8704	437082.9	3763257	3.35E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.66E-06
8705	437074.1	3763254	3.37E-05	1.15E-04	5.24E-06	1.88E-05	2.82E-06	8.71E-06
8706	437065.2	3763250	3.39E-05	1.16E-04	5.26E-06	1.89E-05	2.84E-06	8.75E-06
8707	437056.4	3763247	3.4E-05	1.16E-04	5.28E-06	1.89E-05	2.85E-06	8.78E-06
8708	437047.6	3763243	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.85E-06	8.81E-06
8709	437038.8	3763239	3.42E-05	1.17E-04	5.31E-06	1.90E-05	2.86E-06	8.83E-06
8710	437030	3763236	3.42E-05	1.17E-04	5.32E-06	1.91E-05	2.87E-06	8.85E-06
8711	437021.2	3763232	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
8712	437012.4	3763228	3.43E-05	1.17E-04	5.34E-06	1.91E-05	2.87E-06	8.87E-06
8713	436999.9	3763216	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.10E-06
8714	436996.2	3763207	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.33E-06
8715	436992.6	3763198	3.7E-05	1.26E-04	5.74E-06	2.06E-05	3.09E-06	9.55E-06
8716	436988.9	3763190	3.78E-05	1.29E-04	5.88E-06	2.11E-05	3.17E-06	9.78E-06
8717	436985.3	3763181	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
8718	436981.6	3763172	3.96E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.02E-05
8719	436978	3763163	4.06E-05	1.39E-04	6.31E-06	2.26E-05	3.40E-06	1.05E-05
8720	436974.3	3763154	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
8721	436970.7	3763145	4.24E-05	1.45E-04	6.59E-06	2.36E-05	3.55E-06	1.10E-05
8722	436967	3763137	4.33E-05	1.48E-04	6.73E-06	2.41E-05	3.63E-06	1.12E-05
8723	436963.4	3763128	4.42E-05	1.51E-04	6.87E-06	2.46E-05	3.70E-06	1.14E-05
8724	436959.7	3763119	4.51E-05	1.54E-04	7.01E-06	2.51E-05	3.77E-06	1.17E-05
8725	436956.1	3763110	4.6E-05	1.57E-04	7.14E-06	2.56E-05	3.85E-06	1.19E-05
8726	436952.4	3763101	4.68E-05	1.60E-04	7.27E-06	2.61E-05	3.92E-06	1.21E-05
8727	436948.8	3763093	4.76E-05	1.62E-04	7.40E-06	2.65E-05	3.99E-06	1.23E-05
8728	436945.1	3763084	4.85E-05	1.65E-04	7.53E-06	2.70E-05	4.06E-06	1.25E-05
8729	436941.5	3763075	4.92E-05	1.68E-04	7.65E-06	2.74E-05	4.12E-06	1.27E-05
8730	436937.8	3763066	5E-05	1.70E-04	7.77E-06	2.78E-05	4.18E-06	1.29E-05
8731	436934.2	3763057	5.07E-05	1.73E-04	7.88E-06	2.82E-05	4.24E-06	1.31E-05
8732	436930.5	3763049	5.14E-05	1.75E-04	7.98E-06	2.86E-05	4.30E-06	1.33E-05

8733	436926.9	3763040	5.2E-05	1.77E-04	8.08E-06	2.90E-05	4.35E-06	1.34E-05
8734	436923.2	3763031	5.26E-05	1.79E-04	8.18E-06	2.93E-05	4.40E-06	1.36E-05
8735	436919.5	3763022	5.32E-05	1.81E-04	8.26E-06	2.96E-05	4.45E-06	1.37E-05
8736	436915.9	3763013	5.37E-05	1.83E-04	8.34E-06	2.99E-05	4.50E-06	1.39E-05
8737	436912.2	3763005	5.42E-05	1.85E-04	8.42E-06	3.02E-05	4.54E-06	1.40E-05
8738	436908.6	3762996	5.46E-05	1.86E-04	8.49E-06	3.04E-05	4.57E-06	1.41E-05
8739	436904.9	3762987	5.5E-05	1.88E-04	8.55E-06	3.06E-05	4.60E-06	1.42E-05
8740	436901.3	3762978	5.53E-05	1.89E-04	8.60E-06	3.08E-05	4.63E-06	1.43E-05
8741	436897.6	3762969	5.56E-05	1.90E-04	8.64E-06	3.10E-05	4.66E-06	1.44E-05
8742	436894	3762961	5.58E-05	1.90E-04	8.68E-06	3.11E-05	4.67E-06	1.44E-05
8743	436890.3	3762952	5.6E-05	1.91E-04	8.71E-06	3.12E-05	4.69E-06	1.45E-05
8744	436886.7	3762943	5.62E-05	1.92E-04	8.73E-06	3.13E-05	4.70E-06	1.45E-05
8745	436883	3762934	5.63E-05	1.92E-04	8.74E-06	3.13E-05	4.71E-06	1.45E-05
8746	436879.4	3762925	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.71E-06	1.45E-05
8747	436875.7	3762917	5.63E-05	1.92E-04	8.75E-06	3.14E-05	4.71E-06	1.45E-05
8748	436872.1	3762908	5.63E-05	1.92E-04	8.74E-06	3.13E-05	4.71E-06	1.45E-05
8749	436868.4	3762899	5.62E-05	1.92E-04	8.73E-06	3.13E-05	4.70E-06	1.45E-05
8750	437364.9	3763374	2.7E-05	9.21E-05	4.20E-06	1.51E-05	2.26E-06	6.98E-06
8751	437374.5	3763374	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.04E-06
8752	437384.2	3763374	2.74E-05	9.34E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
8753	437393.8	3763374	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
8754	437403.5	3763374	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.18E-06
8755	437413.1	3763374	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.27E-06
8756	437422.8	3763374	2.85E-05	9.70E-05	4.42E-06	1.59E-05	2.38E-06	7.35E-06
8757	437432.4	3763374	2.88E-05	9.82E-05	4.47E-06	1.60E-05	2.41E-06	7.44E-06
8758	437442.1	3763374	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.43E-06	7.51E-06
8759	437451.7	3763374	2.94E-05	1.00E-04	4.56E-06	1.64E-05	2.46E-06	7.59E-06
8760	437461.4	3763374	2.97E-05	1.01E-04	4.61E-06	1.65E-05	2.48E-06	7.67E-06
8761	437471	3763374	3E-05	1.02E-04	4.67E-06	1.67E-05	2.51E-06	7.76E-06
8762	437480.7	3763374	3.04E-05	1.04E-04	4.72E-06	1.69E-05	2.54E-06	7.85E-06
8763	437490.3	3763373	3.08E-05	1.05E-04	4.78E-06	1.71E-05	2.57E-06	7.95E-06
8764	437500	3763373	3.11E-05	1.06E-04	4.83E-06	1.73E-05	2.60E-06	8.03E-06
8765	437509.6	3763373	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
8766	437519.3	3763373	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.21E-06
8767	437528.9	3763373	3.21E-05	1.09E-04	4.99E-06	1.79E-05	2.69E-06	8.29E-06
8768	437538.6	3763373	3.24E-05	1.10E-04	5.03E-06	1.80E-05	2.71E-06	8.37E-06
8769	437548.2	3763373	3.27E-05	1.12E-04	5.08E-06	1.82E-05	2.74E-06	8.45E-06
8770	437356	3763400	2.46E-05	8.40E-05	3.83E-06	1.37E-05	2.06E-06	6.36E-06
8771	437347.1	3763396	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
8772	437338.2	3763393	2.49E-05	8.48E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
8773	437329.3	3763389	2.5E-05	8.52E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
8774	437320.4	3763385	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
8775	437311.5	3763382	2.52E-05	8.58E-05	3.91E-06	1.40E-05	2.11E-06	6.50E-06
8776	437302.6	3763378	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
8777	437293.7	3763374	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
8778	437284.9	3763371	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
8779	437276	3763367	2.56E-05	8.72E-05	3.97E-06	1.42E-05	2.14E-06	6.61E-06
8780	437267.1	3763363	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
8781	437258.2	3763360	2.58E-05	8.80E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
8782	437249.3	3763356	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
8783	437240.4	3763352	2.61E-05	8.91E-05	4.06E-06	1.46E-05	2.19E-06	6.75E-06
8784	437231.5	3763349	2.64E-05	8.99E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06

8785	437222.6	3763345	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
8786	437213.7	3763341	2.69E-05	9.16E-05	4.17E-06	1.50E-05	2.25E-06	6.94E-06
8787	437204.8	3763338	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
8788	437195.9	3763334	2.73E-05	9.31E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
8789	437187	3763330	2.75E-05	9.39E-05	4.28E-06	1.53E-05	2.31E-06	7.12E-06
8790	437142.5	3763312	2.87E-05	9.78E-05	4.46E-06	1.60E-05	2.40E-06	7.41E-06
8791	437133.6	3763308	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
8792	437124.7	3763305	2.91E-05	9.91E-05	4.52E-06	1.62E-05	2.43E-06	7.51E-06
8793	437115.8	3763301	2.92E-05	9.97E-05	4.54E-06	1.63E-05	2.45E-06	7.56E-06
8794	437106.9	3763297	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.59E-06
8795	437098	3763294	2.95E-05	1.01E-04	4.59E-06	1.65E-05	2.47E-06	7.63E-06
8796	437089.1	3763290	2.98E-05	1.01E-04	4.62E-06	1.66E-05	2.49E-06	7.69E-06
8797	437080.2	3763286	3E-05	1.02E-04	4.66E-06	1.67E-05	2.51E-06	7.75E-06
8798	437071.3	3763283	3.02E-05	1.03E-04	4.69E-06	1.68E-05	2.53E-06	7.81E-06
8799	437062.4	3763279	3.04E-05	1.04E-04	4.73E-06	1.69E-05	2.55E-06	7.86E-06
8800	437053.5	3763275	3.06E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.90E-06
8801	437044.6	3763272	3.07E-05	1.05E-04	4.78E-06	1.71E-05	2.57E-06	7.94E-06
8802	437035.7	3763268	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.97E-06
8803	437026.8	3763264	3.09E-05	1.06E-04	4.81E-06	1.72E-05	2.59E-06	7.99E-06
8804	437018	3763261	3.1E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.01E-06
8805	437009.1	3763257	3.11E-05	1.06E-04	4.83E-06	1.73E-05	2.60E-06	8.03E-06
8806	437000.2	3763253	3.12E-05	1.06E-04	4.85E-06	1.74E-05	2.61E-06	8.06E-06
8807	436991.3	3763250	3.12E-05	1.07E-04	4.85E-06	1.74E-05	2.62E-06	8.07E-06
8808	436978.7	3763237	3.2E-05	1.09E-04	4.97E-06	1.78E-05	2.68E-06	8.27E-06
8809	436975	3763228	3.27E-05	1.12E-04	5.08E-06	1.82E-05	2.74E-06	8.45E-06
8810	436971.3	3763219	3.35E-05	1.14E-04	5.20E-06	1.87E-05	2.80E-06	8.65E-06
8811	436967.6	3763210	3.43E-05	1.17E-04	5.32E-06	1.91E-05	2.87E-06	8.85E-06
8812	436963.9	3763202	3.5E-05	1.20E-04	5.45E-06	1.95E-05	2.93E-06	9.06E-06
8813	436960.2	3763193	3.58E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.26E-06
8814	436956.6	3763184	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.07E-06	9.46E-06
8815	436952.9	3763175	3.74E-05	1.28E-04	5.81E-06	2.08E-05	3.13E-06	9.67E-06
8816	436949.2	3763166	3.82E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.88E-06
8817	436945.5	3763157	3.9E-05	1.33E-04	6.07E-06	2.18E-05	3.27E-06	1.01E-05
8818	436941.8	3763148	3.98E-05	1.36E-04	6.19E-06	2.22E-05	3.33E-06	1.03E-05
8819	436938.1	3763139	4.06E-05	1.38E-04	6.31E-06	2.26E-05	3.40E-06	1.05E-05
8820	436934.4	3763130	4.14E-05	1.41E-04	6.43E-06	2.30E-05	3.46E-06	1.07E-05
8821	436930.7	3763122	4.21E-05	1.44E-04	6.54E-06	2.35E-05	3.53E-06	1.09E-05
8822	436927.1	3763113	4.29E-05	1.46E-04	6.66E-06	2.39E-05	3.59E-06	1.11E-05
8823	436923.4	3763104	4.36E-05	1.49E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
8824	436919.7	3763095	4.43E-05	1.51E-04	6.88E-06	2.47E-05	3.71E-06	1.14E-05
8825	436916	3763086	4.49E-05	1.53E-04	6.98E-06	2.50E-05	3.76E-06	1.16E-05
8826	436912.3	3763077	4.56E-05	1.55E-04	7.08E-06	2.54E-05	3.82E-06	1.18E-05
8827	436908.6	3763068	4.62E-05	1.58E-04	7.18E-06	2.57E-05	3.87E-06	1.19E-05
8828	436904.9	3763059	4.68E-05	1.60E-04	7.27E-06	2.61E-05	3.92E-06	1.21E-05
8829	436901.2	3763050	4.74E-05	1.61E-04	7.36E-06	2.64E-05	3.96E-06	1.22E-05
8830	436897.6	3763042	4.79E-05	1.63E-04	7.44E-06	2.67E-05	4.01E-06	1.24E-05
8831	436893.9	3763033	4.84E-05	1.65E-04	7.52E-06	2.69E-05	4.05E-06	1.25E-05
8832	436890.2	3763024	4.88E-05	1.66E-04	7.59E-06	2.72E-05	4.09E-06	1.26E-05
8833	436886.5	3763015	4.92E-05	1.68E-04	7.65E-06	2.74E-05	4.12E-06	1.27E-05
8834	436882.8	3763006	4.96E-05	1.69E-04	7.71E-06	2.76E-05	4.15E-06	1.28E-05
8835	436879.1	3762997	5E-05	1.70E-04	7.76E-06	2.78E-05	4.18E-06	1.29E-05
8836	436875.4	3762988	5.03E-05	1.71E-04	7.81E-06	2.80E-05	4.21E-06	1.30E-05

8837	436871.7	3762979	5.05E-05	1.72E-04	7.85E-06	2.81E-05	4.23E-06	1.31E-05
8838	436868.1	3762970	5.07E-05	1.73E-04	7.88E-06	2.83E-05	4.25E-06	1.31E-05
8839	436864.4	3762962	5.09E-05	1.74E-04	7.91E-06	2.84E-05	4.26E-06	1.32E-05
8840	436860.7	3762953	5.1E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
8841	436857	3762944	5.11E-05	1.74E-04	7.94E-06	2.85E-05	4.28E-06	1.32E-05
8842	436853.3	3762935	5.12E-05	1.74E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
8843	436849.6	3762926	5.12E-05	1.75E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
8844	436845.9	3762917	5.12E-05	1.74E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
8845	436842.2	3762908	5.11E-05	1.74E-04	7.94E-06	2.85E-05	4.28E-06	1.32E-05
8846	436838.6	3762899	5.1E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
8847	437364.9	3763404	2.45E-05	8.35E-05	3.81E-06	1.36E-05	2.05E-06	6.33E-06
8848	437374.6	3763404	2.46E-05	8.40E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
8849	437384.2	3763404	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
8850	437393.9	3763404	2.49E-05	8.49E-05	3.87E-06	1.39E-05	2.08E-06	6.43E-06
8851	437403.5	3763404	2.51E-05	8.54E-05	3.89E-06	1.40E-05	2.10E-06	6.47E-06
8852	437413.2	3763404	2.53E-05	8.61E-05	3.92E-06	1.41E-05	2.11E-06	6.53E-06
8853	437422.8	3763404	2.55E-05	8.68E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
8854	437432.5	3763404	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
8855	437442.1	3763404	2.6E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.71E-06
8856	437451.8	3763404	2.63E-05	8.96E-05	4.08E-06	1.46E-05	2.20E-06	6.79E-06
8857	437461.4	3763404	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.86E-06
8858	437471.1	3763404	2.68E-05	9.15E-05	4.17E-06	1.49E-05	2.24E-06	6.93E-06
8859	437480.7	3763404	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
8860	437490.4	3763403	2.74E-05	9.33E-05	4.25E-06	1.52E-05	2.29E-06	7.07E-06
8861	437500	3763403	2.76E-05	9.42E-05	4.29E-06	1.54E-05	2.31E-06	7.14E-06
8862	437509.7	3763403	2.79E-05	9.51E-05	4.34E-06	1.55E-05	2.34E-06	7.21E-06
8863	437519.3	3763403	2.82E-05	9.61E-05	4.38E-06	1.57E-05	2.36E-06	7.28E-06
8864	437529	3763403	2.84E-05	9.69E-05	4.41E-06	1.58E-05	2.38E-06	7.34E-06
8865	437538.6	3763403	2.86E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.40E-06
8866	437548.3	3763403	2.88E-05	9.81E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
8867	437356.2	3763430	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
8868	437347.4	3763427	2.26E-05	7.69E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
8869	437338.7	3763423	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.86E-06
8870	437329.9	3763419	2.28E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
8871	437321.1	3763416	2.3E-05	7.84E-05	3.57E-06	1.28E-05	1.92E-06	5.94E-06
8872	437312.3	3763412	2.31E-05	7.89E-05	3.59E-06	1.29E-05	1.94E-06	5.98E-06
8873	437303.5	3763408	2.33E-05	7.94E-05	3.62E-06	1.30E-05	1.95E-06	6.01E-06
8874	437294.8	3763405	2.34E-05	7.97E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06
8875	437286	3763401	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
8876	437277.2	3763398	2.35E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.08E-06
8877	437268.4	3763394	2.36E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
8878	437259.6	3763390	2.36E-05	8.04E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
8879	437250.9	3763387	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
8880	437242.1	3763383	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
8881	437233.3	3763379	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.16E-06
8882	437224.5	3763376	2.4E-05	8.19E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
8883	437215.8	3763372	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
8884	437207	3763369	2.43E-05	8.30E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
8885	437198.2	3763365	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.33E-06
8886	437189.4	3763361	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
8887	437145.5	3763343	2.57E-05	8.77E-05	4.00E-06	1.43E-05	2.15E-06	6.65E-06
8888	437136.7	3763340	2.59E-05	8.83E-05	4.03E-06	1.44E-05	2.17E-06	6.69E-06

8889	437128	3763336	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.74E-06
8890	437119.2	3763332	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.78E-06
8891	437110.4	3763329	2.64E-05	9.00E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06
8892	437101.6	3763325	2.65E-05	9.05E-05	4.12E-06	1.48E-05	2.22E-06	6.86E-06
8893	437092.9	3763322	2.68E-05	9.13E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
8894	437084.1	3763318	2.7E-05	9.20E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
8895	437075.3	3763314	2.72E-05	9.26E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
8896	437066.5	3763311	2.73E-05	9.32E-05	4.25E-06	1.52E-05	2.29E-06	7.06E-06
8897	437057.7	3763307	2.75E-05	9.37E-05	4.27E-06	1.53E-05	2.30E-06	7.10E-06
8898	437049	3763303	2.76E-05	9.43E-05	4.30E-06	1.54E-05	2.31E-06	7.14E-06
8899	437040.2	3763300	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
8900	437031.4	3763296	2.79E-05	9.53E-05	4.34E-06	1.56E-05	2.34E-06	7.22E-06
8901	437022.6	3763293	2.81E-05	9.57E-05	4.36E-06	1.56E-05	2.35E-06	7.25E-06
8902	437013.8	3763289	2.82E-05	9.61E-05	4.38E-06	1.57E-05	2.36E-06	7.28E-06
8903	437005.1	3763285	2.82E-05	9.62E-05	4.39E-06	1.57E-05	2.36E-06	7.29E-06
8904	436996.3	3763282	2.83E-05	9.64E-05	4.39E-06	1.58E-05	2.37E-06	7.31E-06
8905	436987.5	3763278	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
8906	436978.7	3763274	2.84E-05	9.70E-05	4.42E-06	1.58E-05	2.38E-06	7.35E-06
8907	436970	3763271	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
8908	436957.5	3763258	2.92E-05	9.95E-05	4.54E-06	1.63E-05	2.44E-06	7.54E-06
8909	436953.9	3763250	2.98E-05	1.02E-04	4.63E-06	1.66E-05	2.50E-06	7.70E-06
8910	436950.3	3763241	3.05E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.87E-06
8911	436946.6	3763232	3.11E-05	1.06E-04	4.84E-06	1.73E-05	2.60E-06	8.04E-06
8912	436943	3763223	3.18E-05	1.08E-04	4.94E-06	1.77E-05	2.66E-06	8.22E-06
8913	436939.3	3763215	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.39E-06
8914	436935.7	3763206	3.32E-05	1.13E-04	5.15E-06	1.85E-05	2.77E-06	8.57E-06
8915	436932.1	3763197	3.38E-05	1.15E-04	5.26E-06	1.88E-05	2.83E-06	8.74E-06
8916	436928.4	3763188	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.92E-06
8917	436924.8	3763180	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.09E-06
8918	436921.1	3763171	3.59E-05	1.22E-04	5.57E-06	2.00E-05	3.00E-06	9.27E-06
8919	436917.5	3763162	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.06E-06	9.46E-06
8920	436913.9	3763153	3.73E-05	1.27E-04	5.79E-06	2.08E-05	3.12E-06	9.63E-06
8921	436910.2	3763144	3.79E-05	1.29E-04	5.89E-06	2.11E-05	3.17E-06	9.80E-06
8922	436906.6	3763136	3.86E-05	1.31E-04	5.99E-06	2.15E-05	3.23E-06	9.96E-06
8923	436903	3763127	3.92E-05	1.34E-04	6.09E-06	2.18E-05	3.28E-06	1.01E-05
8924	436899.3	3763118	3.98E-05	1.36E-04	6.19E-06	2.22E-05	3.33E-06	1.03E-05
8925	436895.7	3763109	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
8926	436892	3763101	4.1E-05	1.40E-04	6.37E-06	2.28E-05	3.43E-06	1.06E-05
8927	436888.4	3763092	4.16E-05	1.42E-04	6.46E-06	2.31E-05	3.48E-06	1.07E-05
8928	436884.8	3763083	4.21E-05	1.44E-04	6.54E-06	2.34E-05	3.52E-06	1.09E-05
8929	436881.1	3763074	4.26E-05	1.45E-04	6.62E-06	2.37E-05	3.57E-06	1.10E-05
8930	436877.5	3763065	4.31E-05	1.47E-04	6.69E-06	2.40E-05	3.61E-06	1.11E-05
8931	436873.9	3763057	4.35E-05	1.48E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
8932	436870.2	3763048	4.4E-05	1.50E-04	6.83E-06	2.45E-05	3.68E-06	1.14E-05
8933	436866.6	3763039	4.44E-05	1.51E-04	6.90E-06	2.47E-05	3.72E-06	1.15E-05
8934	436862.9	3763030	4.48E-05	1.53E-04	6.96E-06	2.49E-05	3.75E-06	1.16E-05
8935	436859.3	3763022	4.51E-05	1.54E-04	7.01E-06	2.51E-05	3.78E-06	1.17E-05
8936	436855.7	3763013	4.54E-05	1.55E-04	7.06E-06	2.53E-05	3.80E-06	1.17E-05
8937	436852	3763004	4.57E-05	1.56E-04	7.10E-06	2.55E-05	3.82E-06	1.18E-05
8938	436848.4	3762995	4.59E-05	1.57E-04	7.14E-06	2.56E-05	3.85E-06	1.19E-05
8939	436844.7	3762987	4.61E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
8940	436841.1	3762978	4.63E-05	1.58E-04	7.20E-06	2.58E-05	3.88E-06	1.20E-05

8941	436837.5	3762969	4.65E-05	1.58E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
8942	436833.8	3762960	4.66E-05	1.59E-04	7.24E-06	2.59E-05	3.90E-06	1.20E-05
8943	436830.2	3762951	4.67E-05	1.59E-04	7.25E-06	2.60E-05	3.90E-06	1.21E-05
8944	436826.6	3762943	4.67E-05	1.59E-04	7.26E-06	2.60E-05	3.91E-06	1.21E-05
8945	436822.9	3762934	4.67E-05	1.59E-04	7.26E-06	2.60E-05	3.91E-06	1.21E-05
8946	436819.3	3762925	4.67E-05	1.59E-04	7.26E-06	2.60E-05	3.91E-06	1.21E-05
8947	436815.6	3762916	4.67E-05	1.59E-04	7.25E-06	2.60E-05	3.91E-06	1.21E-05
8948	436812	3762908	4.66E-05	1.59E-04	7.24E-06	2.60E-05	3.90E-06	1.20E-05
8949	437365	3763434	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
8950	437374.6	3763434	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
8951	437384.3	3763434	2.26E-05	7.70E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
8952	437393.9	3763434	2.27E-05	7.75E-05	3.53E-06	1.27E-05	1.90E-06	5.87E-06
8953	437403.6	3763434	2.29E-05	7.80E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
8954	437413.2	3763434	2.3E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
8955	437422.9	3763434	2.32E-05	7.91E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
8956	437432.5	3763434	2.34E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
8957	437442.2	3763434	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
8958	437451.8	3763434	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
8959	437461.5	3763434	2.38E-05	8.11E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
8960	437471.1	3763434	2.4E-05	8.20E-05	3.73E-06	1.34E-05	2.01E-06	6.21E-06
8961	437480.8	3763434	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
8962	437490.4	3763433	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
8963	437500.1	3763433	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
8964	437509.7	3763433	2.5E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
8965	437519.4	3763433	2.52E-05	8.58E-05	3.91E-06	1.40E-05	2.11E-06	6.50E-06
8966	437529	3763433	2.54E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
8967	437538.7	3763433	2.55E-05	8.71E-05	3.97E-06	1.42E-05	2.14E-06	6.60E-06
8968	437548.3	3763433	2.57E-05	8.77E-05	4.00E-06	1.43E-05	2.15E-06	6.64E-06
8969	437356.2	3763460	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
8970	437347.3	3763456	2.05E-05	7.00E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
8971	437338.5	3763453	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06
8972	437329.6	3763449	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
8973	437320.8	3763445	2.09E-05	7.14E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
8974	437311.9	3763442	2.11E-05	7.20E-05	3.28E-06	1.18E-05	1.77E-06	5.45E-06
8975	437303.1	3763438	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.50E-06
8976	437294.2	3763435	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
8977	437285.3	3763431	2.15E-05	7.32E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
8978	437276.5	3763427	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
8979	437267.6	3763424	2.17E-05	7.39E-05	3.37E-06	1.21E-05	1.82E-06	5.60E-06
8980	437258.8	3763420	2.17E-05	7.41E-05	3.38E-06	1.21E-05	1.82E-06	5.61E-06
8981	437249.9	3763416	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
8982	437241.1	3763413	2.18E-05	7.43E-05	3.38E-06	1.21E-05	1.82E-06	5.63E-06
8983	437232.2	3763409	2.18E-05	7.44E-05	3.39E-06	1.22E-05	1.83E-06	5.64E-06
8984	437223.4	3763405	2.19E-05	7.46E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
8985	437214.5	3763402	2.2E-05	7.50E-05	3.42E-06	1.22E-05	1.84E-06	5.68E-06
8986	437205.6	3763398	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.71E-06
8987	437196.8	3763394	2.22E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.75E-06
8988	437187.9	3763391	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.87E-06	5.79E-06
8989	437143.7	3763372	2.33E-05	7.93E-05	3.61E-06	1.30E-05	1.95E-06	6.01E-06
8990	437134.8	3763369	2.34E-05	7.99E-05	3.64E-06	1.31E-05	1.96E-06	6.06E-06
8991	437125.9	3763365	2.36E-05	8.05E-05	3.67E-06	1.31E-05	1.98E-06	6.10E-06
8992	437117.1	3763361	2.37E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06

8993	437108.2	3763358	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
8994	437099.4	3763354	2.4E-05	8.19E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
8995	437090.5	3763351	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
8996	437081.7	3763347	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
8997	437072.8	3763343	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
8998	437064	3763340	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
8999	437055.1	3763336	2.49E-05	8.50E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
9000	437046.2	3763332	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
9001	437037.4	3763329	2.52E-05	8.59E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
9002	437028.5	3763325	2.53E-05	8.63E-05	3.93E-06	1.41E-05	2.12E-06	6.54E-06
9003	437019.7	3763321	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
9004	437010.8	3763318	2.55E-05	8.70E-05	3.97E-06	1.42E-05	2.14E-06	6.60E-06
9005	437002	3763314	2.56E-05	8.74E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
9006	436993.1	3763310	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
9007	436984.3	3763307	2.58E-05	8.79E-05	4.00E-06	1.44E-05	2.16E-06	6.66E-06
9008	436975.4	3763303	2.58E-05	8.80E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
9009	436966.5	3763299	2.59E-05	8.82E-05	4.02E-06	1.44E-05	2.16E-06	6.68E-06
9010	436957.7	3763296	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
9011	436948.8	3763292	2.6E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.71E-06
9012	436936.3	3763280	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.86E-06
9013	436932.6	3763271	2.72E-05	9.26E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
9014	436929	3763262	2.78E-05	9.47E-05	4.31E-06	1.55E-05	2.32E-06	7.17E-06
9015	436925.3	3763253	2.84E-05	9.68E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
9016	436921.6	3763244	2.9E-05	9.89E-05	4.50E-06	1.62E-05	2.43E-06	7.49E-06
9017	436918	3763235	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.65E-06
9018	436914.3	3763227	3.02E-05	1.03E-04	4.70E-06	1.68E-05	2.53E-06	7.81E-06
9019	436910.6	3763218	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.97E-06
9020	436906.9	3763209	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
9021	436903.3	3763200	3.21E-05	1.09E-04	4.98E-06	1.79E-05	2.69E-06	8.29E-06
9022	436899.6	3763191	3.27E-05	1.11E-04	5.08E-06	1.82E-05	2.74E-06	8.44E-06
9023	436895.9	3763182	3.33E-05	1.13E-04	5.17E-06	1.85E-05	2.78E-06	8.60E-06
9024	436892.3	3763173	3.39E-05	1.15E-04	5.26E-06	1.89E-05	2.83E-06	8.75E-06
9025	436888.6	3763165	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.91E-06
9026	436884.9	3763156	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.94E-06	9.06E-06
9027	436881.3	3763147	3.56E-05	1.22E-04	5.54E-06	1.99E-05	2.98E-06	9.21E-06
9028	436877.6	3763138	3.62E-05	1.23E-04	5.62E-06	2.02E-05	3.03E-06	9.35E-06
9029	436873.9	3763129	3.67E-05	1.25E-04	5.71E-06	2.05E-05	3.07E-06	9.49E-06
9030	436870.2	3763120	3.73E-05	1.27E-04	5.79E-06	2.08E-05	3.12E-06	9.63E-06
9031	436866.6	3763111	3.78E-05	1.29E-04	5.87E-06	2.10E-05	3.16E-06	9.76E-06
9032	436862.9	3763103	3.83E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.88E-06
9033	436859.2	3763094	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
9034	436855.6	3763085	3.92E-05	1.34E-04	6.09E-06	2.18E-05	3.28E-06	1.01E-05
9035	436851.9	3763076	3.96E-05	1.35E-04	6.15E-06	2.21E-05	3.31E-06	1.02E-05
9036	436848.2	3763067	4E-05	1.36E-04	6.22E-06	2.23E-05	3.35E-06	1.03E-05
9037	436844.6	3763058	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
9038	436840.9	3763050	4.07E-05	1.39E-04	6.33E-06	2.27E-05	3.41E-06	1.05E-05
9039	436837.2	3763041	4.11E-05	1.40E-04	6.38E-06	2.29E-05	3.44E-06	1.06E-05
9040	436833.5	3763032	4.14E-05	1.41E-04	6.43E-06	2.30E-05	3.46E-06	1.07E-05
9041	436829.9	3763023	4.16E-05	1.42E-04	6.47E-06	2.32E-05	3.49E-06	1.08E-05
9042	436826.2	3763014	4.19E-05	1.43E-04	6.51E-06	2.33E-05	3.51E-06	1.08E-05
9043	436822.5	3763005	4.21E-05	1.44E-04	6.54E-06	2.35E-05	3.52E-06	1.09E-05
9044	436818.9	3762996	4.23E-05	1.44E-04	6.57E-06	2.36E-05	3.54E-06	1.09E-05

9045	436815.2	3762988	4.24E-05	1.45E-04	6.60E-06	2.36E-05	3.55E-06	1.10E-05
9046	436811.5	3762979	4.26E-05	1.45E-04	6.62E-06	2.37E-05	3.56E-06	1.10E-05
9047	436807.8	3762970	4.27E-05	1.46E-04	6.63E-06	2.38E-05	3.57E-06	1.10E-05
9048	436804.2	3762961	4.28E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
9049	436800.5	3762952	4.28E-05	1.46E-04	6.65E-06	2.38E-05	3.58E-06	1.11E-05
9050	436796.8	3762943	4.28E-05	1.46E-04	6.66E-06	2.39E-05	3.59E-06	1.11E-05
9051	436793.2	3762935	4.28E-05	1.46E-04	6.65E-06	2.39E-05	3.58E-06	1.11E-05
9052	436789.5	3762926	4.28E-05	1.46E-04	6.65E-06	2.38E-05	3.58E-06	1.11E-05
9053	436785.8	3762917	4.28E-05	1.46E-04	6.64E-06	2.38E-05	3.58E-06	1.10E-05
9054	436782.2	3762908	4.27E-05	1.46E-04	6.63E-06	2.38E-05	3.57E-06	1.10E-05
9055	437365	3763464	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
9056	437374.7	3763464	2.06E-05	7.01E-05	3.20E-06	1.15E-05	1.72E-06	5.31E-06
9057	437384.3	3763464	2.07E-05	7.07E-05	3.22E-06	1.15E-05	1.73E-06	5.36E-06
9058	437394	3763464	2.09E-05	7.12E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
9059	437403.7	3763464	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
9060	437413.3	3763464	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
9061	437423	3763464	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
9062	437432.6	3763464	2.14E-05	7.28E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
9063	437442.3	3763464	2.14E-05	7.30E-05	3.33E-06	1.19E-05	1.79E-06	5.54E-06
9064	437451.9	3763464	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
9065	437461.6	3763464	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
9066	437471.2	3763464	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
9067	437480.9	3763464	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
9068	437490.5	3763463	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.71E-06
9069	437500.2	3763463	2.23E-05	7.60E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
9070	437509.8	3763463	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9071	437519.5	3763463	2.27E-05	7.73E-05	3.52E-06	1.26E-05	1.90E-06	5.85E-06
9072	437529.1	3763463	2.28E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
9073	437538.8	3763463	2.3E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
9074	437548.4	3763463	2.32E-05	7.91E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
9075	437356.2	3763500	1.81E-05	6.18E-05	2.81E-06	1.01E-05	1.52E-06	4.68E-06
9076	437347.4	3763496	1.82E-05	6.20E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
9077	437338.5	3763493	1.82E-05	6.22E-05	2.84E-06	1.02E-05	1.53E-06	4.71E-06
9078	437329.6	3763489	1.83E-05	6.25E-05	2.85E-06	1.02E-05	1.53E-06	4.73E-06
9079	437320.7	3763485	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9080	437311.8	3763482	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
9081	437302.9	3763478	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
9082	437294	3763474	1.88E-05	6.41E-05	2.92E-06	1.05E-05	1.57E-06	4.86E-06
9083	437285.1	3763471	1.9E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.90E-06
9084	437276.2	3763467	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
9085	437267.3	3763463	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
9086	437258.4	3763460	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
9087	437249.6	3763456	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
9088	437240.7	3763452	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.99E-06
9089	437231.8	3763449	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
9090	437222.9	3763445	1.93E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
9091	437214	3763441	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
9092	437205.1	3763438	1.93E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
9093	437196.2	3763434	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
9094	437187.3	3763430	1.95E-05	6.66E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
9095	437142.9	3763412	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
9096	437134	3763408	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.73E-06	5.33E-06

9097	437125.1	3763405	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.36E-06
9098	437116.2	3763401	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
9099	437107.3	3763397	2.11E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
9100	437098.4	3763394	2.12E-05	7.23E-05	3.29E-06	1.18E-05	1.77E-06	5.48E-06
9101	437089.5	3763390	2.13E-05	7.28E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
9102	437080.6	3763386	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
9103	437071.8	3763383	2.16E-05	7.38E-05	3.36E-06	1.20E-05	1.81E-06	5.59E-06
9104	437062.9	3763379	2.18E-05	7.43E-05	3.39E-06	1.21E-05	1.82E-06	5.63E-06
9105	437054	3763375	2.2E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
9106	437045.1	3763372	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
9107	437036.2	3763368	2.23E-05	7.60E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
9108	437027.3	3763364	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
9109	437018.4	3763361	2.25E-05	7.69E-05	3.50E-06	1.26E-05	1.89E-06	5.83E-06
9110	437009.5	3763357	2.27E-05	7.73E-05	3.52E-06	1.26E-05	1.90E-06	5.86E-06
9111	437000.6	3763353	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
9112	436991.7	3763350	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
9113	436982.8	3763346	2.3E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
9114	436974	3763342	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
9115	436965.1	3763339	2.32E-05	7.90E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
9116	436956.2	3763335	2.32E-05	7.91E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
9117	436947.3	3763331	2.32E-05	7.92E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
9118	436938.4	3763328	2.33E-05	7.93E-05	3.61E-06	1.30E-05	1.95E-06	6.01E-06
9119	436929.5	3763324	2.33E-05	7.94E-05	3.62E-06	1.30E-05	1.95E-06	6.02E-06
9120	436920.6	3763320	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
9121	436908	3763308	2.38E-05	8.11E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
9122	436904.4	3763299	2.42E-05	8.26E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
9123	436900.7	3763290	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
9124	436897	3763281	2.52E-05	8.60E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
9125	436893.3	3763272	2.57E-05	8.77E-05	4.00E-06	1.43E-05	2.15E-06	6.64E-06
9126	436889.6	3763263	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
9127	436885.9	3763255	2.67E-05	9.12E-05	4.15E-06	1.49E-05	2.24E-06	6.91E-06
9128	436882.2	3763246	2.73E-05	9.30E-05	4.24E-06	1.52E-05	2.28E-06	7.05E-06
9129	436878.6	3763237	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.18E-06
9130	436874.9	3763228	2.83E-05	9.66E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
9131	436871.2	3763219	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.42E-06	7.46E-06
9132	436867.5	3763210	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.59E-06
9133	436863.8	3763201	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
9134	436860.1	3763192	3.04E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.87E-06
9135	436856.5	3763184	3.1E-05	1.06E-04	4.81E-06	1.73E-05	2.59E-06	8.00E-06
9136	436852.8	3763175	3.15E-05	1.07E-04	4.90E-06	1.76E-05	2.64E-06	8.14E-06
9137	436849.1	3763166	3.2E-05	1.09E-04	4.98E-06	1.78E-05	2.68E-06	8.28E-06
9138	436845.4	3763157	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
9139	436841.7	3763148	3.3E-05	1.12E-04	5.13E-06	1.84E-05	2.76E-06	8.52E-06
9140	436838	3763139	3.34E-05	1.14E-04	5.20E-06	1.86E-05	2.80E-06	8.64E-06
9141	436834.3	3763130	3.39E-05	1.15E-04	5.26E-06	1.89E-05	2.84E-06	8.75E-06
9142	436830.7	3763121	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
9143	436827	3763112	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.90E-06	8.96E-06
9144	436823.3	3763104	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.94E-06	9.06E-06
9145	436819.6	3763095	3.54E-05	1.21E-04	5.51E-06	1.97E-05	2.97E-06	9.16E-06
9146	436815.9	3763086	3.58E-05	1.22E-04	5.56E-06	1.99E-05	2.99E-06	9.24E-06
9147	436812.2	3763077	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.32E-06
9148	436808.6	3763068	3.64E-05	1.24E-04	5.66E-06	2.03E-05	3.05E-06	9.41E-06

9149	436804.9	3763059	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.48E-06
9150	436801.2	3763050	3.7E-05	1.26E-04	5.75E-06	2.06E-05	3.09E-06	9.55E-06
9151	436797.5	3763041	3.72E-05	1.27E-04	5.78E-06	2.07E-05	3.11E-06	9.62E-06
9152	436793.8	3763033	3.74E-05	1.28E-04	5.82E-06	2.09E-05	3.13E-06	9.67E-06
9153	436790.1	3763024	3.76E-05	1.28E-04	5.85E-06	2.10E-05	3.15E-06	9.72E-06
9154	436786.4	3763015	3.78E-05	1.29E-04	5.87E-06	2.11E-05	3.16E-06	9.77E-06
9155	436782.8	3763006	3.79E-05	1.29E-04	5.90E-06	2.11E-05	3.18E-06	9.80E-06
9156	436779.1	3762997	3.81E-05	1.30E-04	5.91E-06	2.12E-05	3.19E-06	9.84E-06
9157	436775.4	3762988	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.19E-06	9.86E-06
9158	437365.1	3763504	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
9159	437374.8	3763504	1.82E-05	6.20E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
9160	437384.4	3763504	1.83E-05	6.25E-05	2.85E-06	1.02E-05	1.53E-06	4.73E-06
9161	437394.1	3763504	1.85E-05	6.30E-05	2.87E-06	1.03E-05	1.55E-06	4.77E-06
9162	437403.7	3763504	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
9163	437413.4	3763504	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
9164	437423	3763504	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.86E-06
9165	437432.7	3763504	1.89E-05	6.46E-05	2.94E-06	1.05E-05	1.59E-06	4.89E-06
9166	437442.3	3763504	1.9E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
9167	437452	3763504	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
9168	437461.6	3763504	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
9169	437471.3	3763504	1.94E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
9170	437480.9	3763504	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
9171	437490.6	3763503	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.06E-06
9172	437500.2	3763503	1.97E-05	6.72E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
9173	437509.9	3763503	1.98E-05	6.76E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
9174	437519.5	3763503	2E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
9175	437529.2	3763503	2.01E-05	6.87E-05	3.13E-06	1.12E-05	1.69E-06	5.20E-06
9176	437538.8	3763503	2.03E-05	6.92E-05	3.15E-06	1.13E-05	1.70E-06	5.24E-06
9177	437548.5	3763503	2.05E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
9178	437356.3	3763540	1.63E-05	5.55E-05	2.53E-06	9.06E-06	1.36E-06	4.20E-06
9179	437347.4	3763536	1.63E-05	5.56E-05	2.53E-06	9.09E-06	1.37E-06	4.21E-06
9180	437338.5	3763533	1.64E-05	5.58E-05	2.54E-06	9.11E-06	1.37E-06	4.23E-06
9181	437329.5	3763529	1.64E-05	5.60E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
9182	437320.6	3763525	1.65E-05	5.61E-05	2.56E-06	9.17E-06	1.38E-06	4.25E-06
9183	437311.7	3763522	1.65E-05	5.63E-05	2.57E-06	9.20E-06	1.38E-06	4.27E-06
9184	437302.8	3763518	1.66E-05	5.65E-05	2.58E-06	9.23E-06	1.39E-06	4.28E-06
9185	437293.8	3763514	1.66E-05	5.68E-05	2.59E-06	9.27E-06	1.39E-06	4.30E-06
9186	437284.9	3763511	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
9187	437276	3763507	1.68E-05	5.73E-05	2.61E-06	9.35E-06	1.41E-06	4.34E-06
9188	437267.1	3763503	1.68E-05	5.74E-05	2.61E-06	9.37E-06	1.41E-06	4.35E-06
9189	437258.2	3763500	1.69E-05	5.75E-05	2.62E-06	9.39E-06	1.41E-06	4.35E-06
9190	437249.2	3763496	1.69E-05	5.76E-05	2.62E-06	9.41E-06	1.41E-06	4.36E-06
9191	437240.3	3763492	1.69E-05	5.78E-05	2.63E-06	9.44E-06	1.42E-06	4.38E-06
9192	437231.4	3763489	1.7E-05	5.79E-05	2.64E-06	9.46E-06	1.42E-06	4.39E-06
9193	437222.5	3763485	1.7E-05	5.80E-05	2.64E-06	9.48E-06	1.42E-06	4.40E-06
9194	437213.6	3763481	1.71E-05	5.83E-05	2.66E-06	9.53E-06	1.43E-06	4.42E-06
9195	437204.6	3763478	1.72E-05	5.87E-05	2.67E-06	9.59E-06	1.44E-06	4.45E-06
9196	437195.7	3763474	1.73E-05	5.92E-05	2.70E-06	9.66E-06	1.45E-06	4.48E-06
9197	437186.8	3763470	1.75E-05	5.96E-05	2.72E-06	9.74E-06	1.46E-06	4.52E-06
9198	437142.2	3763452	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06
9199	437133.3	3763448	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9200	437124.3	3763444	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06

9201	437115.4	3763441	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9202	437106.5	3763437	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06
9203	437097.6	3763433	1.86E-05	6.35E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
9204	437088.7	3763430	1.88E-05	6.40E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06
9205	437079.7	3763426	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
9206	437070.8	3763422	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.92E-06
9207	437061.9	3763419	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	5.00E-06
9208	437053	3763415	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
9209	437044.1	3763411	1.96E-05	6.70E-05	3.05E-06	1.09E-05	1.64E-06	5.07E-06
9210	437035.1	3763408	1.98E-05	6.75E-05	3.07E-06	1.10E-05	1.66E-06	5.11E-06
9211	437026.2	3763404	1.99E-05	6.79E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
9212	437017.3	3763400	2.01E-05	6.84E-05	3.12E-06	1.12E-05	1.68E-06	5.18E-06
9213	437008.4	3763397	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
9214	436999.4	3763393	2.03E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
9215	436990.5	3763389	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
9216	436981.6	3763386	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.73E-06	5.33E-06
9217	436972.7	3763382	2.07E-05	7.07E-05	3.22E-06	1.16E-05	1.74E-06	5.36E-06
9218	436963.8	3763378	2.08E-05	7.10E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
9219	436954.8	3763375	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
9220	436945.9	3763371	2.1E-05	7.15E-05	3.26E-06	1.17E-05	1.75E-06	5.42E-06
9221	436937	3763367	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
9222	436928.1	3763363	2.11E-05	7.19E-05	3.28E-06	1.17E-05	1.77E-06	5.45E-06
9223	436919.2	3763360	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
9224	436910.2	3763356	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
9225	436901.3	3763352	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
9226	436892.4	3763349	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
9227	436879.8	3763336	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.56E-06
9228	436876.1	3763327	2.19E-05	7.47E-05	3.40E-06	1.22E-05	1.83E-06	5.66E-06
9229	436872.4	3763318	2.23E-05	7.60E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
9230	436868.7	3763309	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.87E-06
9231	436865	3763301	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
9232	436861.3	3763292	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
9233	436857.6	3763283	2.4E-05	8.17E-05	3.72E-06	1.33E-05	2.00E-06	6.19E-06
9234	436853.9	3763274	2.44E-05	8.33E-05	3.80E-06	1.36E-05	2.05E-06	6.31E-06
9235	436850.2	3763265	2.49E-05	8.50E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
9236	436846.5	3763256	2.54E-05	8.66E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
9237	436842.8	3763247	2.58E-05	8.80E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
9238	436839.1	3763238	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
9239	436835.4	3763229	2.66E-05	9.09E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
9240	436831.7	3763220	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.01E-06
9241	436828	3763211	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
9242	436824.3	3763202	2.8E-05	9.56E-05	4.36E-06	1.56E-05	2.35E-06	7.24E-06
9243	436820.6	3763194	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
9244	436816.9	3763185	2.9E-05	9.88E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
9245	436813.2	3763176	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.61E-06
9246	436809.5	3763167	2.98E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
9247	436805.8	3763158	3.02E-05	1.03E-04	4.70E-06	1.68E-05	2.53E-06	7.81E-06
9248	436802.1	3763149	3.06E-05	1.04E-04	4.75E-06	1.70E-05	2.56E-06	7.90E-06
9249	436798.4	3763140	3.1E-05	1.06E-04	4.81E-06	1.72E-05	2.59E-06	8.00E-06
9250	436794.7	3763131	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.09E-06
9251	436791	3763122	3.16E-05	1.08E-04	4.91E-06	1.76E-05	2.65E-06	8.17E-06
9252	436787.3	3763113	3.19E-05	1.09E-04	4.96E-06	1.78E-05	2.67E-06	8.25E-06

9253	436783.6	3763104	3.22E-05	1.10E-04	5.01E-06	1.80E-05	2.70E-06	8.33E-06
9254	436779.9	3763095	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.41E-06
9255	436776.2	3763087	3.28E-05	1.12E-04	5.10E-06	1.83E-05	2.74E-06	8.47E-06
9256	436731.9	3762980	3.43E-05	1.17E-04	5.32E-06	1.91E-05	2.87E-06	8.85E-06
9257	436728.2	3762971	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.86E-06
9258	436724.5	3762962	3.43E-05	1.17E-04	5.33E-06	1.91E-05	2.87E-06	8.87E-06
9259	436720.8	3762953	3.44E-05	1.17E-04	5.35E-06	1.92E-05	2.88E-06	8.89E-06
9260	436717.1	3762944	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.91E-06
9261	436713.4	3762935	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.92E-06
9262	436709.7	3762926	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.89E-06	8.92E-06
9263	436706	3762917	3.45E-05	1.18E-04	5.36E-06	1.92E-05	2.88E-06	8.91E-06
9264	436702.3	3762908	3.44E-05	1.17E-04	5.34E-06	1.92E-05	2.88E-06	8.89E-06
9265	437365.2	3763544	1.62E-05	5.54E-05	2.52E-06	9.05E-06	1.36E-06	4.20E-06
9266	437374.9	3763544	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
9267	437384.5	3763544	1.65E-05	5.63E-05	2.57E-06	9.20E-06	1.38E-06	4.27E-06
9268	437394.2	3763544	1.67E-05	5.68E-05	2.59E-06	9.29E-06	1.40E-06	4.31E-06
9269	437403.8	3763544	1.68E-05	5.73E-05	2.61E-06	9.36E-06	1.41E-06	4.34E-06
9270	437413.5	3763544	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.38E-06
9271	437423.1	3763544	1.71E-05	5.82E-05	2.65E-06	9.50E-06	1.43E-06	4.41E-06
9272	437432.8	3763544	1.72E-05	5.86E-05	2.67E-06	9.57E-06	1.44E-06	4.44E-06
9273	437442.4	3763544	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
9274	437452.1	3763544	1.74E-05	5.92E-05	2.70E-06	9.67E-06	1.45E-06	4.49E-06
9275	437461.7	3763544	1.74E-05	5.95E-05	2.71E-06	9.72E-06	1.46E-06	4.51E-06
9276	437471.4	3763544	1.75E-05	5.97E-05	2.72E-06	9.75E-06	1.47E-06	4.52E-06
9277	437481	3763544	1.76E-05	5.99E-05	2.73E-06	9.79E-06	1.47E-06	4.54E-06
9278	437490.7	3763543	1.76E-05	6.01E-05	2.74E-06	9.82E-06	1.48E-06	4.56E-06
9279	437500.3	3763543	1.77E-05	6.04E-05	2.75E-06	9.86E-06	1.48E-06	4.58E-06
9280	437510	3763543	1.78E-05	6.06E-05	2.76E-06	9.91E-06	1.49E-06	4.60E-06
9281	437519.6	3763543	1.79E-05	6.09E-05	2.78E-06	9.95E-06	1.50E-06	4.62E-06
9282	437529.3	3763543	1.8E-05	6.14E-05	2.80E-06	1.00E-05	1.51E-06	4.65E-06
9283	437538.9	3763543	1.81E-05	6.18E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
9284	437548.6	3763543	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
9285	437356.5	3763580	1.48E-05	5.06E-05	2.30E-06	8.26E-06	1.24E-06	3.83E-06
9286	437347.7	3763576	1.49E-05	5.06E-05	2.31E-06	8.27E-06	1.24E-06	3.84E-06
9287	437338.9	3763573	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
9288	437330.1	3763569	1.49E-05	5.07E-05	2.31E-06	8.29E-06	1.25E-06	3.84E-06
9289	437321.3	3763566	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
9290	437312.5	3763562	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
9291	437303.7	3763558	1.5E-05	5.10E-05	2.33E-06	8.34E-06	1.25E-06	3.87E-06
9292	437294.9	3763555	1.5E-05	5.12E-05	2.33E-06	8.36E-06	1.26E-06	3.88E-06
9293	437286.1	3763551	1.51E-05	5.14E-05	2.34E-06	8.39E-06	1.26E-06	3.89E-06
9294	437277.4	3763547	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.26E-06	3.90E-06
9295	437268.6	3763544	1.51E-05	5.16E-05	2.35E-06	8.44E-06	1.27E-06	3.91E-06
9296	437259.8	3763540	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.93E-06
9297	437251	3763537	1.52E-05	5.19E-05	2.37E-06	8.48E-06	1.27E-06	3.93E-06
9298	437242.2	3763533	1.53E-05	5.20E-05	2.37E-06	8.50E-06	1.28E-06	3.94E-06
9299	437233.4	3763529	1.53E-05	5.21E-05	2.38E-06	8.52E-06	1.28E-06	3.95E-06
9300	437224.6	3763526	1.53E-05	5.22E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
9301	437215.8	3763522	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
9302	437207	3763518	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
9303	437198.2	3763515	1.55E-05	5.30E-05	2.42E-06	8.66E-06	1.30E-06	4.02E-06
9304	437189.4	3763511	1.56E-05	5.34E-05	2.43E-06	8.72E-06	1.31E-06	4.04E-06

9305	437145.4	3763493	1.62E-05	5.52E-05	2.52E-06	9.02E-06	1.36E-06	4.18E-06
9306	437136.6	3763489	1.63E-05	5.56E-05	2.53E-06	9.08E-06	1.36E-06	4.21E-06
9307	437127.8	3763486	1.64E-05	5.60E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
9308	437119.1	3763482	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
9309	437110.3	3763479	1.68E-05	5.74E-05	2.61E-06	9.37E-06	1.41E-06	4.35E-06
9310	437101.5	3763475	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.37E-06
9311	437092.7	3763471	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
9312	437083.9	3763468	1.71E-05	5.84E-05	2.66E-06	9.54E-06	1.43E-06	4.43E-06
9313	437075.1	3763464	1.72E-05	5.87E-05	2.68E-06	9.59E-06	1.44E-06	4.45E-06
9314	437066.3	3763460	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.44E-06
9315	437057.5	3763457	1.73E-05	5.88E-05	2.68E-06	9.61E-06	1.44E-06	4.46E-06
9316	437048.7	3763453	1.73E-05	5.92E-05	2.70E-06	9.66E-06	1.45E-06	4.48E-06
9317	437039.9	3763450	1.74E-05	5.95E-05	2.71E-06	9.72E-06	1.46E-06	4.51E-06
9318	437031.1	3763446	1.76E-05	6.00E-05	2.73E-06	9.80E-06	1.47E-06	4.55E-06
9319	437022.3	3763442	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.61E-06
9320	437013.5	3763439	1.8E-05	6.13E-05	2.79E-06	1.00E-05	1.50E-06	4.65E-06
9321	437004.7	3763435	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
9322	436995.9	3763431	1.82E-05	6.20E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
9323	436987.1	3763428	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06
9324	436978.3	3763424	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9325	436969.5	3763421	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
9326	436960.7	3763417	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
9327	436952	3763413	1.88E-05	6.41E-05	2.92E-06	1.05E-05	1.57E-06	4.86E-06
9328	436943.2	3763410	1.89E-05	6.44E-05	2.94E-06	1.05E-05	1.58E-06	4.88E-06
9329	436934.4	3763406	1.9E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.90E-06
9330	436925.6	3763402	1.9E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
9331	436916.8	3763399	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.94E-06
9332	436908	3763395	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
9333	436899.2	3763392	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
9334	436890.4	3763388	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
9335	436881.6	3763384	1.91E-05	6.53E-05	2.97E-06	1.07E-05	1.60E-06	4.95E-06
9336	436872.8	3763381	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
9337	436864	3763377	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
9338	436851.6	3763365	1.95E-05	6.65E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
9339	436847.9	3763356	1.99E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
9340	436844.3	3763347	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
9341	436840.6	3763338	2.06E-05	7.01E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
9342	436837	3763329	2.1E-05	7.14E-05	3.26E-06	1.17E-05	1.75E-06	5.41E-06
9343	436833.3	3763321	2.13E-05	7.28E-05	3.31E-06	1.19E-05	1.79E-06	5.51E-06
9344	436829.7	3763312	2.17E-05	7.40E-05	3.37E-06	1.21E-05	1.82E-06	5.61E-06
9345	436826.1	3763303	2.21E-05	7.53E-05	3.43E-06	1.23E-05	1.85E-06	5.71E-06
9346	436822.4	3763294	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9347	436818.8	3763286	2.29E-05	7.80E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
9348	436815.1	3763277	2.33E-05	7.94E-05	3.62E-06	1.30E-05	1.95E-06	6.01E-06
9349	436811.5	3763268	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.11E-06
9350	436807.8	3763259	2.4E-05	8.20E-05	3.74E-06	1.34E-05	2.01E-06	6.21E-06
9351	436804.2	3763250	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
9352	436800.5	3763242	2.48E-05	8.45E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
9353	436796.9	3763233	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
9354	436793.3	3763224	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
9355	436789.6	3763215	2.58E-05	8.81E-05	4.02E-06	1.44E-05	2.16E-06	6.68E-06
9356	436786	3763206	2.62E-05	8.94E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06

9357	436782.3	3763198	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
9358	436742.2	3763101	2.98E-05	1.01E-04	4.62E-06	1.66E-05	2.49E-06	7.69E-06
9359	436738.6	3763092	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
9360	436734.9	3763083	3.01E-05	1.03E-04	4.68E-06	1.68E-05	2.52E-06	7.78E-06
9361	436731.3	3763075	3.03E-05	1.03E-04	4.70E-06	1.69E-05	2.53E-06	7.82E-06
9362	436727.6	3763066	3.05E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.87E-06
9363	436724	3763057	3.06E-05	1.04E-04	4.76E-06	1.71E-05	2.56E-06	7.92E-06
9364	436720.4	3763048	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.96E-06
9365	436716.7	3763039	3.1E-05	1.06E-04	4.81E-06	1.73E-05	2.59E-06	8.00E-06
9366	436713.1	3763031	3.11E-05	1.06E-04	4.83E-06	1.73E-05	2.60E-06	8.04E-06
9367	436709.4	3763022	3.12E-05	1.06E-04	4.85E-06	1.74E-05	2.61E-06	8.06E-06
9368	436705.8	3763013	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.08E-06
9369	436702.1	3763004	3.13E-05	1.07E-04	4.87E-06	1.75E-05	2.62E-06	8.10E-06
9370	436698.5	3762996	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
9371	436694.8	3762987	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
9372	436691.2	3762978	3.14E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
9373	436687.5	3762969	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
9374	436683.9	3762960	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
9375	436680.3	3762952	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
9376	436676.6	3762943	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.11E-06
9377	436673	3762934	3.14E-05	1.07E-04	4.87E-06	1.75E-05	2.62E-06	8.10E-06
9378	436669.3	3762925	3.13E-05	1.07E-04	4.86E-06	1.74E-05	2.62E-06	8.09E-06
9379	436665.7	3762916	3.12E-05	1.07E-04	4.85E-06	1.74E-05	2.62E-06	8.07E-06
9380	437365.3	3763584	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
9381	437374.9	3763584	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
9382	437384.6	3763584	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
9383	437394.2	3763584	1.51E-05	5.16E-05	2.35E-06	8.44E-06	1.27E-06	3.91E-06
9384	437403.9	3763584	1.53E-05	5.20E-05	2.37E-06	8.50E-06	1.28E-06	3.94E-06
9385	437413.5	3763584	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
9386	437423.2	3763584	1.55E-05	5.28E-05	2.41E-06	8.63E-06	1.30E-06	4.00E-06
9387	437432.9	3763584	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
9388	437442.5	3763584	1.57E-05	5.35E-05	2.44E-06	8.74E-06	1.31E-06	4.05E-06
9389	437452.2	3763584	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
9390	437461.8	3763584	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
9391	437471.5	3763584	1.59E-05	5.44E-05	2.48E-06	8.88E-06	1.33E-06	4.12E-06
9392	437481.1	3763584	1.6E-05	5.46E-05	2.49E-06	8.92E-06	1.34E-06	4.14E-06
9393	437490.8	3763583	1.61E-05	5.48E-05	2.50E-06	8.96E-06	1.35E-06	4.15E-06
9394	437500.4	3763583	1.61E-05	5.50E-05	2.51E-06	8.98E-06	1.35E-06	4.17E-06
9395	437510.1	3763583	1.62E-05	5.52E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
9396	437519.7	3763583	1.62E-05	5.53E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
9397	437529.4	3763583	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
9398	437539	3763583	1.64E-05	5.60E-05	2.55E-06	9.15E-06	1.38E-06	4.25E-06
9399	437548.7	3763583	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
9400	437356.6	3763620	1.36E-05	4.65E-05	2.12E-06	7.60E-06	1.14E-06	3.53E-06
9401	437347.7	3763616	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
9402	437338.9	3763613	1.37E-05	4.67E-05	2.13E-06	7.62E-06	1.15E-06	3.54E-06
9403	437330.1	3763609	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
9404	437321.2	3763606	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.54E-06
9405	437312.4	3763602	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.55E-06
9406	437303.6	3763598	1.37E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
9407	437294.8	3763595	1.38E-05	4.70E-05	2.14E-06	7.67E-06	1.15E-06	3.56E-06
9408	437285.9	3763591	1.38E-05	4.71E-05	2.15E-06	7.69E-06	1.16E-06	3.57E-06

9409	437277.1	3763587	1.38E-05	4.72E-05	2.15E-06	7.71E-06	1.16E-06	3.58E-06
9410	437268.3	3763584	1.39E-05	4.74E-05	2.16E-06	7.74E-06	1.16E-06	3.59E-06
9411	437259.5	3763580	1.39E-05	4.75E-05	2.16E-06	7.76E-06	1.17E-06	3.60E-06
9412	437250.6	3763576	1.4E-05	4.76E-05	2.17E-06	7.78E-06	1.17E-06	3.61E-06
9413	437241.8	3763573	1.4E-05	4.77E-05	2.17E-06	7.79E-06	1.17E-06	3.61E-06
9414	437233	3763569	1.4E-05	4.77E-05	2.17E-06	7.80E-06	1.17E-06	3.62E-06
9415	437224.2	3763566	1.4E-05	4.78E-05	2.18E-06	7.80E-06	1.17E-06	3.62E-06
9416	437215.3	3763562	1.4E-05	4.79E-05	2.18E-06	7.82E-06	1.18E-06	3.63E-06
9417	437206.5	3763558	1.41E-05	4.80E-05	2.19E-06	7.84E-06	1.18E-06	3.64E-06
9418	437197.7	3763555	1.41E-05	4.81E-05	2.19E-06	7.86E-06	1.18E-06	3.65E-06
9419	437188.8	3763551	1.42E-05	4.83E-05	2.20E-06	7.90E-06	1.19E-06	3.66E-06
9420	437144.7	3763533	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.21E-06	3.75E-06
9421	437135.9	3763529	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
9422	437127.1	3763525	1.47E-05	5.01E-05	2.28E-06	8.19E-06	1.23E-06	3.80E-06
9423	437118.2	3763522	1.48E-05	5.05E-05	2.30E-06	8.26E-06	1.24E-06	3.83E-06
9424	437109.4	3763518	1.5E-05	5.10E-05	2.32E-06	8.33E-06	1.25E-06	3.86E-06
9425	437100.6	3763515	1.51E-05	5.15E-05	2.35E-06	8.41E-06	1.26E-06	3.90E-06
9426	437091.8	3763511	1.52E-05	5.19E-05	2.37E-06	8.48E-06	1.27E-06	3.93E-06
9427	437082.9	3763507	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
9428	437074.1	3763504	1.56E-05	5.32E-05	2.43E-06	8.69E-06	1.31E-06	4.03E-06
9429	437065.3	3763500	1.57E-05	5.35E-05	2.44E-06	8.75E-06	1.31E-06	4.06E-06
9430	437056.5	3763496	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
9431	437047.6	3763493	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
9432	437038.8	3763489	1.58E-05	5.40E-05	2.46E-06	8.82E-06	1.32E-06	4.09E-06
9433	437030	3763485	1.59E-05	5.43E-05	2.48E-06	8.87E-06	1.33E-06	4.12E-06
9434	437021.1	3763482	1.61E-05	5.50E-05	2.51E-06	8.98E-06	1.35E-06	4.17E-06
9435	437012.3	3763478	1.62E-05	5.53E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
9436	437003.5	3763475	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
9437	436994.7	3763471	1.64E-05	5.60E-05	2.55E-06	9.15E-06	1.37E-06	4.24E-06
9438	436985.8	3763467	1.65E-05	5.63E-05	2.57E-06	9.20E-06	1.38E-06	4.27E-06
9439	436977	3763464	1.66E-05	5.66E-05	2.58E-06	9.25E-06	1.39E-06	4.29E-06
9440	436968.2	3763460	1.67E-05	5.69E-05	2.59E-06	9.30E-06	1.40E-06	4.31E-06
9441	436959.4	3763456	1.68E-05	5.72E-05	2.61E-06	9.35E-06	1.40E-06	4.34E-06
9442	436950.5	3763453	1.69E-05	5.75E-05	2.62E-06	9.40E-06	1.41E-06	4.36E-06
9443	436941.7	3763449	1.69E-05	5.78E-05	2.63E-06	9.44E-06	1.42E-06	4.38E-06
9444	436932.9	3763445	1.7E-05	5.80E-05	2.64E-06	9.48E-06	1.42E-06	4.40E-06
9445	436924.1	3763442	1.71E-05	5.83E-05	2.66E-06	9.52E-06	1.43E-06	4.42E-06
9446	436915.2	3763438	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.44E-06
9447	436906.4	3763434	1.72E-05	5.88E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
9448	436897.6	3763431	1.73E-05	5.90E-05	2.69E-06	9.63E-06	1.45E-06	4.47E-06
9449	436888.7	3763427	1.73E-05	5.92E-05	2.70E-06	9.66E-06	1.45E-06	4.48E-06
9450	436879.9	3763424	1.74E-05	5.93E-05	2.70E-06	9.68E-06	1.45E-06	4.49E-06
9451	436871.1	3763420	1.74E-05	5.93E-05	2.70E-06	9.69E-06	1.46E-06	4.49E-06
9452	436862.3	3763416	1.74E-05	5.93E-05	2.70E-06	9.69E-06	1.46E-06	4.50E-06
9453	436853.4	3763413	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
9454	436844.6	3763409	1.75E-05	5.95E-05	2.71E-06	9.72E-06	1.46E-06	4.51E-06
9455	436835.8	3763405	1.75E-05	5.97E-05	2.72E-06	9.75E-06	1.46E-06	4.52E-06
9456	436823.3	3763393	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.61E-06
9457	436819.6	3763384	1.81E-05	6.18E-05	2.82E-06	1.01E-05	1.52E-06	4.68E-06
9458	436816	3763375	1.84E-05	6.29E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9459	436812.3	3763366	1.88E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.85E-06
9460	436808.7	3763358	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06

9461	436805	3763349	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
9462	436801.4	3763340	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06
9463	436797.7	3763331	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
9464	436794	3763322	2.05E-05	6.99E-05	3.18E-06	1.14E-05	1.72E-06	5.29E-06
9465	436790.4	3763314	2.08E-05	7.10E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
9466	436786.7	3763305	2.12E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
9467	436783.1	3763296	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
9468	436742.8	3763199	2.49E-05	8.49E-05	3.87E-06	1.39E-05	2.08E-06	6.44E-06
9469	436739.2	3763190	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
9470	436735.5	3763181	2.56E-05	8.72E-05	3.97E-06	1.42E-05	2.14E-06	6.61E-06
9471	436731.8	3763172	2.58E-05	8.81E-05	4.01E-06	1.44E-05	2.16E-06	6.68E-06
9472	436728.2	3763164	2.61E-05	8.90E-05	4.05E-06	1.45E-05	2.18E-06	6.74E-06
9473	436724.5	3763155	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.81E-06
9474	436720.9	3763146	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.87E-06
9475	436717.2	3763137	2.68E-05	9.14E-05	4.16E-06	1.49E-05	2.24E-06	6.92E-06
9476	436713.6	3763128	2.7E-05	9.21E-05	4.20E-06	1.50E-05	2.26E-06	6.98E-06
9477	436709.9	3763119	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
9478	436706.2	3763111	2.74E-05	9.34E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
9479	436702.6	3763102	2.76E-05	9.40E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
9480	436698.9	3763093	2.77E-05	9.46E-05	4.31E-06	1.54E-05	2.32E-06	7.17E-06
9481	436695.3	3763084	2.79E-05	9.51E-05	4.33E-06	1.55E-05	2.33E-06	7.21E-06
9482	436691.6	3763075	2.8E-05	9.56E-05	4.35E-06	1.56E-05	2.35E-06	7.24E-06
9483	436687.9	3763067	2.81E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
9484	436684.3	3763058	2.83E-05	9.64E-05	4.39E-06	1.57E-05	2.37E-06	7.30E-06
9485	436680.6	3763049	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
9486	436677	3763040	2.85E-05	9.70E-05	4.42E-06	1.59E-05	2.38E-06	7.35E-06
9487	436673.3	3763031	2.85E-05	9.73E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
9488	436669.7	3763022	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06
9489	436666	3763014	2.86E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.40E-06
9490	436662.3	3763005	2.87E-05	9.78E-05	4.46E-06	1.60E-05	2.40E-06	7.41E-06
9491	436658.7	3762996	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
9492	436655	3762987	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
9493	436651.4	3762978	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
9494	436647.7	3762970	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
9495	436644	3762961	2.87E-05	9.78E-05	4.46E-06	1.60E-05	2.40E-06	7.41E-06
9496	436640.4	3762952	2.87E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.41E-06
9497	436636.7	3762943	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.40E-06	7.40E-06
9498	436633.1	3762934	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06
9499	436629.4	3762925	2.85E-05	9.73E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
9500	436625.8	3762917	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
9501	437365.4	3763624	1.36E-05	4.64E-05	2.12E-06	7.59E-06	1.14E-06	3.52E-06
9502	437375	3763624	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
9503	437384.7	3763624	1.38E-05	4.70E-05	2.14E-06	7.67E-06	1.15E-06	3.56E-06
9504	437394.3	3763624	1.38E-05	4.72E-05	2.15E-06	7.71E-06	1.16E-06	3.58E-06
9505	437404	3763624	1.39E-05	4.75E-05	2.16E-06	7.76E-06	1.17E-06	3.60E-06
9506	437413.6	3763624	1.4E-05	4.78E-05	2.18E-06	7.81E-06	1.17E-06	3.62E-06
9507	437423.3	3763624	1.41E-05	4.81E-05	2.19E-06	7.86E-06	1.18E-06	3.65E-06
9508	437432.9	3763624	1.42E-05	4.84E-05	2.21E-06	7.91E-06	1.19E-06	3.67E-06
9509	437442.6	3763624	1.43E-05	4.87E-05	2.22E-06	7.96E-06	1.20E-06	3.69E-06
9510	437452.2	3763624	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.20E-06	3.72E-06
9511	437461.9	3763624	1.45E-05	4.94E-05	2.25E-06	8.07E-06	1.21E-06	3.74E-06
9512	437471.5	3763624	1.46E-05	4.97E-05	2.26E-06	8.12E-06	1.22E-06	3.77E-06

9513	437481.2	3763624	1.47E-05	5.00E-05	2.28E-06	8.17E-06	1.23E-06	3.79E-06
9514	437490.8	3763623	1.47E-05	5.03E-05	2.29E-06	8.21E-06	1.23E-06	3.81E-06
9515	437500.5	3763623	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
9516	437510.1	3763623	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
9517	437519.8	3763623	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
9518	437529.4	3763623	1.5E-05	5.12E-05	2.33E-06	8.37E-06	1.26E-06	3.88E-06
9519	437539.1	3763623	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.27E-06	3.91E-06
9520	437548.7	3763623	1.52E-05	5.18E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
9521	437356.6	3763660	1.26E-05	4.30E-05	1.96E-06	7.02E-06	1.05E-06	3.26E-06
9522	437347.8	3763656	1.26E-05	4.31E-05	1.96E-06	7.04E-06	1.06E-06	3.26E-06
9523	437338.9	3763653	1.27E-05	4.32E-05	1.97E-06	7.06E-06	1.06E-06	3.27E-06
9524	437330	3763649	1.27E-05	4.33E-05	1.97E-06	7.07E-06	1.06E-06	3.28E-06
9525	437321.2	3763645	1.27E-05	4.33E-05	1.97E-06	7.07E-06	1.06E-06	3.28E-06
9526	437312.3	3763642	1.27E-05	4.33E-05	1.98E-06	7.08E-06	1.06E-06	3.28E-06
9527	437303.5	3763638	1.27E-05	4.34E-05	1.98E-06	7.09E-06	1.07E-06	3.29E-06
9528	437294.6	3763635	1.28E-05	4.35E-05	1.98E-06	7.11E-06	1.07E-06	3.30E-06
9529	437285.8	3763631	1.28E-05	4.36E-05	1.99E-06	7.12E-06	1.07E-06	3.30E-06
9530	437276.9	3763627	1.28E-05	4.37E-05	1.99E-06	7.14E-06	1.07E-06	3.31E-06
9531	437268.1	3763624	1.29E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
9532	437259.2	3763620	1.29E-05	4.40E-05	2.00E-06	7.19E-06	1.08E-06	3.33E-06
9533	437250.3	3763616	1.29E-05	4.41E-05	2.01E-06	7.21E-06	1.08E-06	3.35E-06
9534	437241.5	3763613	1.3E-05	4.42E-05	2.01E-06	7.22E-06	1.08E-06	3.35E-06
9535	437232.6	3763609	1.3E-05	4.42E-05	2.01E-06	7.22E-06	1.09E-06	3.35E-06
9536	437223.8	3763605	1.3E-05	4.42E-05	2.02E-06	7.23E-06	1.09E-06	3.35E-06
9537	437214.9	3763602	1.3E-05	4.43E-05	2.02E-06	7.23E-06	1.09E-06	3.36E-06
9538	437206.1	3763598	1.3E-05	4.44E-05	2.02E-06	7.25E-06	1.09E-06	3.36E-06
9539	437197.2	3763594	1.3E-05	4.44E-05	2.03E-06	7.26E-06	1.09E-06	3.37E-06
9540	437188.4	3763591	1.31E-05	4.46E-05	2.03E-06	7.28E-06	1.09E-06	3.38E-06
9541	437144.1	3763572	1.34E-05	4.55E-05	2.07E-06	7.44E-06	1.12E-06	3.45E-06
9542	437135.2	3763569	1.34E-05	4.57E-05	2.08E-06	7.47E-06	1.12E-06	3.46E-06
9543	437126.4	3763565	1.35E-05	4.59E-05	2.09E-06	7.49E-06	1.13E-06	3.48E-06
9544	437117.5	3763561	1.35E-05	4.61E-05	2.10E-06	7.52E-06	1.13E-06	3.49E-06
9545	437108.7	3763558	1.36E-05	4.63E-05	2.11E-06	7.57E-06	1.14E-06	3.51E-06
9546	437099.8	3763554	1.37E-05	4.67E-05	2.13E-06	7.62E-06	1.15E-06	3.54E-06
9547	437090.9	3763551	1.38E-05	4.71E-05	2.15E-06	7.69E-06	1.16E-06	3.57E-06
9548	437082.1	3763547	1.39E-05	4.75E-05	2.17E-06	7.77E-06	1.17E-06	3.60E-06
9549	437073.2	3763543	1.42E-05	4.85E-05	2.21E-06	7.92E-06	1.19E-06	3.67E-06
9550	437064.4	3763540	1.43E-05	4.88E-05	2.22E-06	7.98E-06	1.20E-06	3.70E-06
9551	437055.5	3763536	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.21E-06	3.72E-06
9552	437046.7	3763532	1.45E-05	4.95E-05	2.25E-06	8.08E-06	1.21E-06	3.75E-06
9553	437037.8	3763529	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
9554	437029	3763525	1.47E-05	5.01E-05	2.28E-06	8.18E-06	1.23E-06	3.79E-06
9555	437020.1	3763521	1.48E-05	5.04E-05	2.29E-06	8.23E-06	1.24E-06	3.82E-06
9556	437011.2	3763518	1.48E-05	5.06E-05	2.31E-06	8.27E-06	1.24E-06	3.84E-06
9557	437002.4	3763514	1.49E-05	5.09E-05	2.32E-06	8.31E-06	1.25E-06	3.85E-06
9558	436993.5	3763510	1.5E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
9559	436984.7	3763507	1.51E-05	5.14E-05	2.34E-06	8.39E-06	1.26E-06	3.89E-06
9560	436975.8	3763503	1.51E-05	5.16E-05	2.35E-06	8.43E-06	1.27E-06	3.91E-06
9561	436967	3763499	1.52E-05	5.19E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
9562	436958.1	3763496	1.53E-05	5.21E-05	2.37E-06	8.51E-06	1.28E-06	3.95E-06
9563	436949.3	3763492	1.53E-05	5.23E-05	2.38E-06	8.55E-06	1.28E-06	3.96E-06
9564	436940.4	3763488	1.54E-05	5.25E-05	2.39E-06	8.58E-06	1.29E-06	3.98E-06

9565	436931.5	3763485	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
9566	436922.7	3763481	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
9567	436913.8	3763477	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.03E-06
9568	436905	3763474	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
9569	436896.1	3763470	1.57E-05	5.35E-05	2.44E-06	8.75E-06	1.31E-06	4.06E-06
9570	436887.3	3763467	1.58E-05	5.37E-05	2.45E-06	8.78E-06	1.32E-06	4.07E-06
9571	436878.4	3763463	1.58E-05	5.40E-05	2.46E-06	8.81E-06	1.32E-06	4.09E-06
9572	436869.6	3763459	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
9573	436860.7	3763456	1.59E-05	5.43E-05	2.47E-06	8.87E-06	1.33E-06	4.11E-06
9574	436851.8	3763452	1.6E-05	5.45E-05	2.48E-06	8.91E-06	1.34E-06	4.13E-06
9575	436843	3763448	1.6E-05	5.47E-05	2.49E-06	8.93E-06	1.34E-06	4.14E-06
9576	436834.1	3763445	1.61E-05	5.48E-05	2.50E-06	8.96E-06	1.35E-06	4.15E-06
9577	436825.3	3763441	1.61E-05	5.50E-05	2.51E-06	8.98E-06	1.35E-06	4.17E-06
9578	436816.4	3763437	1.62E-05	5.51E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
9579	436807.6	3763434	1.62E-05	5.53E-05	2.52E-06	9.03E-06	1.36E-06	4.19E-06
9580	436795	3763421	1.65E-05	5.63E-05	2.56E-06	9.19E-06	1.38E-06	4.26E-06
9581	436791.4	3763412	1.67E-05	5.71E-05	2.60E-06	9.33E-06	1.40E-06	4.33E-06
9582	436787.7	3763403	1.7E-05	5.80E-05	2.64E-06	9.47E-06	1.42E-06	4.39E-06
9583	436784	3763395	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
9584	436780.4	3763386	1.75E-05	5.98E-05	2.73E-06	9.78E-06	1.47E-06	4.53E-06
9585	436740	3763288	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
9586	436736.3	3763280	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
9587	436732.6	3763271	2.13E-05	7.25E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
9588	436729	3763262	2.15E-05	7.34E-05	3.34E-06	1.20E-05	1.80E-06	5.56E-06
9589	436725.3	3763253	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
9590	436721.6	3763244	2.2E-05	7.51E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
9591	436718	3763235	2.22E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.75E-06
9592	436714.3	3763227	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9593	436710.6	3763218	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
9594	436706.9	3763209	2.31E-05	7.87E-05	3.58E-06	1.29E-05	1.93E-06	5.96E-06
9595	436703.3	3763200	2.34E-05	7.97E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06
9596	436699.6	3763191	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
9597	436695.9	3763182	2.39E-05	8.15E-05	3.71E-06	1.33E-05	2.00E-06	6.18E-06
9598	436692.3	3763173	2.42E-05	8.24E-05	3.75E-06	1.35E-05	2.02E-06	6.24E-06
9599	436688.6	3763165	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
9600	436684.9	3763156	2.46E-05	8.37E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
9601	436681.3	3763147	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
9602	436677.6	3763138	2.49E-05	8.50E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
9603	436673.9	3763129	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
9604	436670.2	3763120	2.53E-05	8.61E-05	3.92E-06	1.41E-05	2.11E-06	6.53E-06
9605	436666.6	3763111	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
9606	436662.9	3763103	2.55E-05	8.71E-05	3.97E-06	1.42E-05	2.14E-06	6.60E-06
9607	436659.2	3763094	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
9608	436655.6	3763085	2.58E-05	8.79E-05	4.01E-06	1.44E-05	2.16E-06	6.66E-06
9609	436651.9	3763076	2.59E-05	8.83E-05	4.02E-06	1.44E-05	2.17E-06	6.69E-06
9610	436648.2	3763067	2.6E-05	8.86E-05	4.04E-06	1.45E-05	2.18E-06	6.72E-06
9611	436644.6	3763058	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.74E-06
9612	436640.9	3763050	2.61E-05	8.92E-05	4.06E-06	1.46E-05	2.19E-06	6.76E-06
9613	436637.2	3763041	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
9614	436633.5	3763032	2.63E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
9615	436629.9	3763023	2.63E-05	8.97E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06
9616	436626.2	3763014	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06

9617	436622.5	3763005	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.81E-06
9618	436618.9	3762996	2.64E-05	8.99E-05	4.09E-06	1.47E-05	2.21E-06	6.81E-06
9619	436615.2	3762988	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.21E-06	6.81E-06
9620	436611.5	3762979	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.81E-06
9621	436607.8	3762970	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06
9622	436604.2	3762961	2.63E-05	8.96E-05	4.08E-06	1.46E-05	2.20E-06	6.79E-06
9623	436600.5	3762952	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
9624	436596.8	3762943	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
9625	436593.2	3762935	2.62E-05	8.92E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
9626	436589.5	3762926	2.61E-05	8.91E-05	4.06E-06	1.46E-05	2.19E-06	6.75E-06
9627	436585.8	3762917	2.61E-05	8.90E-05	4.05E-06	1.45E-05	2.18E-06	6.74E-06
9628	437365.5	3763664	1.26E-05	4.28E-05	1.95E-06	7.00E-06	1.05E-06	3.25E-06
9629	437375.1	3763664	1.26E-05	4.30E-05	1.96E-06	7.03E-06	1.06E-06	3.26E-06
9630	437384.8	3763664	1.27E-05	4.32E-05	1.97E-06	7.06E-06	1.06E-06	3.28E-06
9631	437394.4	3763664	1.27E-05	4.34E-05	1.98E-06	7.09E-06	1.07E-06	3.29E-06
9632	437404.1	3763664	1.28E-05	4.36E-05	1.99E-06	7.13E-06	1.07E-06	3.31E-06
9633	437413.7	3763664	1.29E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
9634	437423.4	3763664	1.29E-05	4.41E-05	2.01E-06	7.20E-06	1.08E-06	3.34E-06
9635	437433	3763664	1.3E-05	4.43E-05	2.02E-06	7.24E-06	1.09E-06	3.36E-06
9636	437442.7	3763664	1.31E-05	4.46E-05	2.03E-06	7.29E-06	1.09E-06	3.38E-06
9637	437452.3	3763664	1.32E-05	4.49E-05	2.04E-06	7.33E-06	1.10E-06	3.40E-06
9638	437462	3763664	1.32E-05	4.51E-05	2.06E-06	7.37E-06	1.11E-06	3.42E-06
9639	437471.6	3763664	1.33E-05	4.54E-05	2.07E-06	7.42E-06	1.11E-06	3.44E-06
9640	437481.3	3763664	1.34E-05	4.57E-05	2.08E-06	7.46E-06	1.12E-06	3.46E-06
9641	437490.9	3763663	1.35E-05	4.60E-05	2.10E-06	7.51E-06	1.13E-06	3.48E-06
9642	437500.6	3763663	1.35E-05	4.62E-05	2.10E-06	7.55E-06	1.13E-06	3.50E-06
9643	437510.2	3763663	1.36E-05	4.64E-05	2.11E-06	7.58E-06	1.14E-06	3.52E-06
9644	437519.9	3763663	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
9645	437529.5	3763663	1.37E-05	4.68E-05	2.13E-06	7.65E-06	1.15E-06	3.55E-06
9646	437539.2	3763663	1.38E-05	4.70E-05	2.14E-06	7.68E-06	1.15E-06	3.56E-06
9647	437548.8	3763663	1.39E-05	4.73E-05	2.15E-06	7.72E-06	1.16E-06	3.58E-06
9648	437356.7	3763700	1.17E-05	3.98E-05	1.81E-06	6.50E-06	9.77E-07	3.02E-06
9649	437347.8	3763696	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.80E-07	3.02E-06
9650	437338.9	3763693	1.17E-05	4.00E-05	1.82E-06	6.54E-06	9.82E-07	3.03E-06
9651	437285.6	3763671	1.19E-05	4.04E-05	1.84E-06	6.60E-06	9.92E-07	3.06E-06
9652	437276.7	3763667	1.19E-05	4.05E-05	1.85E-06	6.62E-06	9.95E-07	3.07E-06
9653	437267.8	3763663	1.19E-05	4.06E-05	1.85E-06	6.64E-06	9.97E-07	3.08E-06
9654	437259	3763660	1.19E-05	4.07E-05	1.86E-06	6.66E-06	1.00E-06	3.09E-06
9655	437250.1	3763656	1.2E-05	4.09E-05	1.86E-06	6.68E-06	1.00E-06	3.10E-06
9656	437241.2	3763652	1.2E-05	4.09E-05	1.87E-06	6.69E-06	1.00E-06	3.10E-06
9657	437232.3	3763649	1.2E-05	4.10E-05	1.87E-06	6.70E-06	1.01E-06	3.11E-06
9658	437223.4	3763645	1.2E-05	4.10E-05	1.87E-06	6.70E-06	1.01E-06	3.11E-06
9659	437214.6	3763641	1.2E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
9660	437205.7	3763638	1.21E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
9661	437196.8	3763634	1.21E-05	4.11E-05	1.87E-06	6.72E-06	1.01E-06	3.12E-06
9662	437187.9	3763630	1.21E-05	4.12E-05	1.88E-06	6.73E-06	1.01E-06	3.12E-06
9663	437116.8	3763601	1.26E-05	4.29E-05	1.96E-06	7.01E-06	1.05E-06	3.25E-06
9664	437108	3763598	1.26E-05	4.30E-05	1.96E-06	7.03E-06	1.06E-06	3.26E-06
9665	437099.1	3763594	1.27E-05	4.32E-05	1.97E-06	7.05E-06	1.06E-06	3.27E-06
9666	437090.2	3763590	1.27E-05	4.34E-05	1.98E-06	7.09E-06	1.07E-06	3.29E-06
9667	437081.3	3763587	1.28E-05	4.37E-05	1.99E-06	7.14E-06	1.07E-06	3.31E-06
9668	437072.4	3763583	1.3E-05	4.45E-05	2.03E-06	7.27E-06	1.09E-06	3.37E-06

9669	437063.6	3763579	1.31E-05	4.47E-05	2.04E-06	7.31E-06	1.10E-06	3.39E-06
9670	437054.7	3763576	1.32E-05	4.50E-05	2.05E-06	7.35E-06	1.10E-06	3.41E-06
9671	437045.8	3763572	1.33E-05	4.52E-05	2.06E-06	7.38E-06	1.11E-06	3.42E-06
9672	437036.9	3763568	1.33E-05	4.54E-05	2.07E-06	7.42E-06	1.12E-06	3.44E-06
9673	437028	3763565	1.34E-05	4.57E-05	2.08E-06	7.47E-06	1.12E-06	3.46E-06
9674	437019.1	3763561	1.35E-05	4.60E-05	2.10E-06	7.52E-06	1.13E-06	3.49E-06
9675	437010.3	3763557	1.36E-05	4.63E-05	2.11E-06	7.57E-06	1.14E-06	3.51E-06
9676	437001.4	3763554	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
9677	436992.5	3763550	1.37E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
9678	436983.6	3763546	1.38E-05	4.71E-05	2.15E-06	7.69E-06	1.16E-06	3.57E-06
9679	436974.7	3763543	1.39E-05	4.73E-05	2.16E-06	7.73E-06	1.16E-06	3.59E-06
9680	436965.9	3763539	1.39E-05	4.76E-05	2.17E-06	7.77E-06	1.17E-06	3.60E-06
9681	436957	3763535	0.000014	4.77E-05	2.18E-06	7.80E-06	1.17E-06	3.62E-06
9682	436948.1	3763532	1.41E-05	4.79E-05	2.18E-06	7.83E-06	1.18E-06	3.63E-06
9683	436939.2	3763528	1.41E-05	4.81E-05	2.19E-06	7.85E-06	1.18E-06	3.64E-06
9684	436930.3	3763524	1.41E-05	4.82E-05	2.20E-06	7.88E-06	1.18E-06	3.66E-06
9685	436921.4	3763521	1.42E-05	4.84E-05	2.21E-06	7.91E-06	1.19E-06	3.67E-06
9686	436912.6	3763517	1.42E-05	4.86E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
9687	436903.7	3763513	1.43E-05	4.87E-05	2.22E-06	7.96E-06	1.20E-06	3.69E-06
9688	436894.8	3763510	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.70E-06
9689	436885.9	3763506	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.21E-06	3.72E-06
9690	436877	3763502	1.45E-05	4.93E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
9691	436868.2	3763499	1.45E-05	4.96E-05	2.26E-06	8.10E-06	1.22E-06	3.76E-06
9692	436859.3	3763495	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
9693	436850.4	3763491	1.46E-05	4.99E-05	2.28E-06	8.16E-06	1.23E-06	3.78E-06
9694	436841.5	3763488	1.47E-05	5.01E-05	2.28E-06	8.19E-06	1.23E-06	3.80E-06
9695	436832.6	3763484	1.48E-05	5.03E-05	2.29E-06	8.22E-06	1.23E-06	3.81E-06
9696	436823.7	3763480	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
9697	436814.9	3763477	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
9698	436806	3763473	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
9699	436797.1	3763469	1.5E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
9700	436788.2	3763466	1.5E-05	5.12E-05	2.33E-06	8.36E-06	1.26E-06	3.88E-06
9701	436779.3	3763462	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
9702	436744.7	3763396	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
9703	436741	3763387	1.7E-05	5.78E-05	2.63E-06	9.45E-06	1.42E-06	4.38E-06
9704	436737.3	3763378	1.72E-05	5.87E-05	2.67E-06	9.59E-06	1.44E-06	4.45E-06
9705	436733.6	3763370	1.75E-05	5.95E-05	2.71E-06	9.73E-06	1.46E-06	4.51E-06
9706	436730	3763361	1.77E-05	6.04E-05	2.75E-06	9.87E-06	1.48E-06	4.58E-06
9707	436726.3	3763352	1.8E-05	6.13E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
9708	436722.6	3763343	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.71E-06
9709	436718.9	3763334	1.85E-05	6.30E-05	2.87E-06	1.03E-05	1.55E-06	4.77E-06
9710	436715.2	3763325	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
9711	436711.6	3763316	1.9E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.90E-06
9712	436707.9	3763307	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
9713	436704.2	3763299	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
9714	436700.5	3763290	1.97E-05	6.73E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06
9715	436696.8	3763281	1.99E-05	6.80E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
9716	436693.1	3763272	2.01E-05	6.87E-05	3.13E-06	1.12E-05	1.69E-06	5.21E-06
9717	436689.5	3763263	2.04E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
9718	436685.8	3763254	2.06E-05	7.01E-05	3.20E-06	1.15E-05	1.72E-06	5.31E-06
9719	436682.1	3763245	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
9720	436678.4	3763236	2.1E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06

9721	436674.7	3763228	2.12E-05	7.23E-05	3.30E-06	1.18E-05	1.78E-06	5.48E-06
9722	436671.1	3763219	2.15E-05	7.32E-05	3.33E-06	1.20E-05	1.80E-06	5.55E-06
9723	436667.4	3763210	2.17E-05	7.40E-05	3.37E-06	1.21E-05	1.82E-06	5.61E-06
9724	436663.7	3763201	2.2E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
9725	436660	3763192	2.22E-05	7.56E-05	3.45E-06	1.24E-05	1.86E-06	5.73E-06
9726	436656.3	3763183	2.24E-05	7.63E-05	3.48E-06	1.25E-05	1.87E-06	5.78E-06
9727	436652.6	3763174	2.26E-05	7.70E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
9728	436649	3763165	2.28E-05	7.76E-05	3.54E-06	1.27E-05	1.91E-06	5.88E-06
9729	436645.3	3763157	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
9730	436641.6	3763148	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.96E-06
9731	436637.9	3763139	2.32E-05	7.92E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
9732	436634.2	3763130	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
9733	436630.6	3763121	2.34E-05	7.99E-05	3.64E-06	1.31E-05	1.96E-06	6.06E-06
9734	436626.9	3763112	2.35E-05	8.02E-05	3.66E-06	1.31E-05	1.97E-06	6.08E-06
9735	436623.2	3763103	2.36E-05	8.05E-05	3.67E-06	1.32E-05	1.98E-06	6.10E-06
9736	436619.5	3763094	2.37E-05	8.08E-05	3.68E-06	1.32E-05	1.98E-06	6.12E-06
9737	436615.8	3763086	2.38E-05	8.11E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
9738	436612.2	3763077	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
9739	436608.5	3763068	2.4E-05	8.19E-05	3.73E-06	1.34E-05	2.01E-06	6.21E-06
9740	436604.8	3763059	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.23E-06
9741	436601.1	3763050	2.42E-05	8.24E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
9742	436597.4	3763041	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
9743	436593.7	3763032	2.42E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
9744	436590.1	3763023	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
9745	436586.4	3763015	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
9746	436582.7	3763006	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.03E-06	6.28E-06
9747	436579	3762997	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.03E-06	6.28E-06
9748	436575.3	3762988	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
9749	436571.7	3762979	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
9750	436568	3762970	2.43E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
9751	436564.3	3762961	2.42E-05	8.26E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
9752	436560.6	3762952	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.03E-06	6.25E-06
9753	436556.9	3762944	2.42E-05	8.24E-05	3.75E-06	1.35E-05	2.02E-06	6.24E-06
9754	436553.3	3762935	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.23E-06
9755	436549.6	3762926	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.01E-06	6.22E-06
9756	436545.9	3762917	2.4E-05	8.19E-05	3.73E-06	1.34E-05	2.01E-06	6.21E-06
9757	437365.5	3763704	1.16E-05	3.97E-05	1.81E-06	6.49E-06	9.75E-07	3.01E-06
9758	437375.2	3763704	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.79E-07	3.02E-06
9759	437384.8	3763704	1.18E-05	4.01E-05	1.83E-06	6.55E-06	9.84E-07	3.04E-06
9760	437394.5	3763704	1.18E-05	4.03E-05	1.83E-06	6.58E-06	9.88E-07	3.05E-06
9761	437404.1	3763704	1.19E-05	4.04E-05	1.84E-06	6.60E-06	9.92E-07	3.06E-06
9762	437413.8	3763704	1.19E-05	4.06E-05	1.85E-06	6.63E-06	9.96E-07	3.08E-06
9763	437423.4	3763704	1.19E-05	4.07E-05	1.86E-06	6.66E-06	1.00E-06	3.09E-06
9764	437433.1	3763704	1.2E-05	4.09E-05	1.86E-06	6.68E-06	1.00E-06	3.10E-06
9765	437442.8	3763704	1.2E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
9766	437452.4	3763704	1.21E-05	4.13E-05	1.88E-06	6.74E-06	1.01E-06	3.13E-06
9767	437462.1	3763704	1.22E-05	4.14E-05	1.89E-06	6.77E-06	1.02E-06	3.14E-06
9768	437471.7	3763704	1.22E-05	4.16E-05	1.90E-06	6.80E-06	1.02E-06	3.15E-06
9769	437481.4	3763704	1.23E-05	4.18E-05	1.91E-06	6.83E-06	1.03E-06	3.17E-06
9770	437491	3763703	1.23E-05	4.20E-05	1.91E-06	6.86E-06	1.03E-06	3.18E-06
9771	437500.7	3763703	1.24E-05	4.23E-05	1.93E-06	6.91E-06	1.04E-06	3.20E-06
9772	437510.3	3763703	1.25E-05	4.26E-05	1.94E-06	6.95E-06	1.04E-06	3.22E-06

9773	437520	3763703	1.26E-05	4.29E-05	1.95E-06	7.00E-06	1.05E-06	3.25E-06
9774	437529.6	3763703	1.26E-05	4.31E-05	1.96E-06	7.04E-06	1.06E-06	3.26E-06
9775	437539.3	3763703	1.27E-05	4.33E-05	1.97E-06	7.07E-06	1.06E-06	3.28E-06
9776	437548.9	3763703	1.28E-05	4.35E-05	1.98E-06	7.11E-06	1.07E-06	3.30E-06
9777	437356.7	3763740	1.09E-05	3.71E-05	1.69E-06	6.06E-06	9.11E-07	2.81E-06
9778	437347.8	3763736	1.09E-05	3.72E-05	1.69E-06	6.07E-06	9.12E-07	2.82E-06
9779	437338.9	3763733	1.09E-05	3.72E-05	1.70E-06	6.08E-06	9.14E-07	2.82E-06
9780	437330	3763729	1.09E-05	3.73E-05	1.70E-06	6.09E-06	9.16E-07	2.83E-06
9781	437321.1	3763725	1.1E-05	3.74E-05	1.70E-06	6.10E-06	9.17E-07	2.83E-06
9782	437312.2	3763722	1.1E-05	3.74E-05	1.70E-06	6.11E-06	9.18E-07	2.83E-06
9783	437303.3	3763718	1.1E-05	3.75E-05	1.71E-06	6.12E-06	9.20E-07	2.84E-06
9784	437294.4	3763714	1.1E-05	3.75E-05	1.71E-06	6.13E-06	9.21E-07	2.84E-06
9785	437285.5	3763711	1.1E-05	3.76E-05	1.71E-06	6.14E-06	9.22E-07	2.85E-06
9786	437276.6	3763707	1.1E-05	3.76E-05	1.71E-06	6.15E-06	9.23E-07	2.85E-06
9787	437267.7	3763703	1.1E-05	3.77E-05	1.72E-06	6.15E-06	9.25E-07	2.85E-06
9788	437258.8	3763700	1.11E-05	3.77E-05	1.72E-06	6.16E-06	9.26E-07	2.86E-06
9789	437249.8	3763696	1.11E-05	3.78E-05	1.72E-06	6.18E-06	9.28E-07	2.86E-06
9790	437240.9	3763692	1.11E-05	3.79E-05	1.73E-06	6.19E-06	9.30E-07	2.87E-06
9791	437143	3763652	1.14E-05	3.90E-05	1.78E-06	6.37E-06	9.57E-07	2.96E-06
9792	437134.1	3763648	1.15E-05	3.92E-05	1.79E-06	6.41E-06	9.62E-07	2.97E-06
9793	437125.2	3763645	1.16E-05	3.94E-05	1.80E-06	6.44E-06	9.67E-07	2.99E-06
9794	437116.3	3763641	1.16E-05	3.96E-05	1.80E-06	6.46E-06	9.71E-07	3.00E-06
9795	437107.3	3763637	1.17E-05	3.98E-05	1.81E-06	6.49E-06	9.76E-07	3.01E-06
9796	437098.4	3763634	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.80E-07	3.03E-06
9797	437089.5	3763630	1.18E-05	4.01E-05	1.83E-06	6.56E-06	9.85E-07	3.04E-06
9798	437027.2	3763604	1.22E-05	4.15E-05	1.89E-06	6.78E-06	1.02E-06	3.15E-06
9799	437018.3	3763601	1.22E-05	4.18E-05	1.90E-06	6.82E-06	1.02E-06	3.16E-06
9800	437009.4	3763597	1.23E-05	4.19E-05	1.91E-06	6.85E-06	1.03E-06	3.18E-06
9801	437000.5	3763593	1.24E-05	4.22E-05	1.92E-06	6.90E-06	1.04E-06	3.20E-06
9802	436991.6	3763589	1.25E-05	4.25E-05	1.94E-06	6.95E-06	1.04E-06	3.22E-06
9803	436982.7	3763586	1.27E-05	4.31E-05	1.97E-06	7.05E-06	1.06E-06	3.27E-06
9804	436973.8	3763582	1.27E-05	4.34E-05	1.98E-06	7.09E-06	1.06E-06	3.29E-06
9805	436964.9	3763578	1.28E-05	4.36E-05	1.99E-06	7.12E-06	1.07E-06	3.30E-06
9806	436955.9	3763575	1.29E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
9807	436947	3763571	1.29E-05	4.40E-05	2.01E-06	7.19E-06	1.08E-06	3.34E-06
9808	436938.1	3763567	1.3E-05	4.42E-05	2.01E-06	7.22E-06	1.09E-06	3.35E-06
9809	436929.2	3763564	1.3E-05	4.44E-05	2.02E-06	7.25E-06	1.09E-06	3.36E-06
9810	436920.3	3763560	1.31E-05	4.46E-05	2.03E-06	7.28E-06	1.09E-06	3.38E-06
9811	436911.4	3763556	1.31E-05	4.46E-05	2.03E-06	7.29E-06	1.10E-06	3.38E-06
9812	436902.5	3763553	1.31E-05	4.48E-05	2.04E-06	7.32E-06	1.10E-06	3.39E-06
9813	436893.6	3763549	1.32E-05	4.49E-05	2.05E-06	7.34E-06	1.10E-06	3.40E-06
9814	436884.7	3763545	1.32E-05	4.51E-05	2.06E-06	7.37E-06	1.11E-06	3.42E-06
9815	436875.8	3763542	1.33E-05	4.53E-05	2.06E-06	7.40E-06	1.11E-06	3.43E-06
9816	436866.9	3763538	1.33E-05	4.55E-05	2.07E-06	7.43E-06	1.12E-06	3.44E-06
9817	436858	3763534	1.34E-05	4.56E-05	2.08E-06	7.45E-06	1.12E-06	3.46E-06
9818	436849.1	3763531	1.34E-05	4.57E-05	2.08E-06	7.47E-06	1.12E-06	3.46E-06
9819	436840.2	3763527	1.34E-05	4.59E-05	2.09E-06	7.49E-06	1.13E-06	3.47E-06
9820	436831.3	3763523	1.35E-05	4.60E-05	2.10E-06	7.51E-06	1.13E-06	3.49E-06
9821	436822.4	3763520	1.35E-05	4.61E-05	2.10E-06	7.54E-06	1.13E-06	3.50E-06
9822	436813.4	3763516	1.36E-05	4.63E-05	2.11E-06	7.56E-06	1.14E-06	3.51E-06
9823	436804.5	3763512	1.36E-05	4.65E-05	2.12E-06	7.59E-06	1.14E-06	3.52E-06
9824	436795.6	3763509	1.37E-05	4.67E-05	2.13E-06	7.62E-06	1.15E-06	3.54E-06

9825	436786.7	3763505	1.37E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
9826	436777.8	3763501	1.38E-05	4.70E-05	2.14E-06	7.68E-06	1.15E-06	3.56E-06
9827	436738.5	3763478	1.41E-05	4.82E-05	2.20E-06	7.88E-06	1.18E-06	3.66E-06
9828	436734.8	3763469	1.44E-05	4.90E-05	2.23E-06	8.00E-06	1.20E-06	3.71E-06
9829	436731.1	3763460	1.46E-05	4.97E-05	2.26E-06	8.12E-06	1.22E-06	3.77E-06
9830	436727.4	3763451	1.48E-05	5.05E-05	2.30E-06	8.24E-06	1.24E-06	3.82E-06
9831	436723.7	3763442	1.5E-05	5.12E-05	2.33E-06	8.37E-06	1.26E-06	3.88E-06
9832	436720	3763433	1.52E-05	5.20E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
9833	436716.4	3763424	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
9834	436712.7	3763415	1.57E-05	5.35E-05	2.44E-06	8.74E-06	1.31E-06	4.05E-06
9835	436709	3763407	1.59E-05	5.42E-05	2.47E-06	8.86E-06	1.33E-06	4.11E-06
9836	436705.3	3763398	1.61E-05	5.50E-05	2.51E-06	8.99E-06	1.35E-06	4.17E-06
9837	436701.6	3763389	1.64E-05	5.58E-05	2.54E-06	9.11E-06	1.37E-06	4.23E-06
9838	436697.9	3763380	1.66E-05	5.66E-05	2.58E-06	9.24E-06	1.39E-06	4.29E-06
9839	436694.2	3763371	1.68E-05	5.73E-05	2.61E-06	9.36E-06	1.41E-06	4.34E-06
9840	436690.5	3763362	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
9841	436686.8	3763353	1.73E-05	5.88E-05	2.68E-06	9.61E-06	1.44E-06	4.46E-06
9842	436683.1	3763344	1.75E-05	5.96E-05	2.71E-06	9.73E-06	1.46E-06	4.51E-06
9843	436679.4	3763335	1.77E-05	6.03E-05	2.75E-06	9.84E-06	1.48E-06	4.57E-06
9844	436675.8	3763326	1.79E-05	6.09E-05	2.78E-06	9.95E-06	1.50E-06	4.62E-06
9845	436672.1	3763318	1.81E-05	6.16E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
9846	436668.4	3763309	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
9847	436664.7	3763300	1.85E-05	6.31E-05	2.87E-06	1.03E-05	1.55E-06	4.78E-06
9848	436661	3763291	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.56E-06	4.83E-06
9849	436657.3	3763282	1.89E-05	6.44E-05	2.94E-06	1.05E-05	1.58E-06	4.88E-06
9850	436653.6	3763273	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
9851	436649.9	3763264	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.99E-06
9852	436646.2	3763255	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
9853	436642.5	3763246	1.97E-05	6.71E-05	3.06E-06	1.10E-05	1.65E-06	5.08E-06
9854	436638.8	3763237	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
9855	436635.1	3763229	2E-05	6.83E-05	3.11E-06	1.12E-05	1.68E-06	5.18E-06
9856	436631.5	3763220	2.02E-05	6.90E-05	3.15E-06	1.13E-05	1.69E-06	5.23E-06
9857	436627.8	3763211	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
9858	436624.1	3763202	2.07E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
9859	436620.4	3763193	2.08E-05	7.10E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
9860	436616.7	3763184	2.1E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
9861	436613	3763175	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
9862	436609.3	3763166	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
9863	436605.6	3763157	2.14E-05	7.31E-05	3.33E-06	1.19E-05	1.79E-06	5.54E-06
9864	436601.9	3763148	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
9865	436598.2	3763140	2.17E-05	7.40E-05	3.37E-06	1.21E-05	1.82E-06	5.61E-06
9866	436594.5	3763131	2.18E-05	7.43E-05	3.38E-06	1.21E-05	1.82E-06	5.63E-06
9867	436590.9	3763122	2.19E-05	7.45E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
9868	436587.2	3763113	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
9869	436583.5	3763104	2.2E-05	7.51E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
9870	436579.8	3763095	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
9871	436576.1	3763086	2.22E-05	7.58E-05	3.45E-06	1.24E-05	1.86E-06	5.74E-06
9872	436572.4	3763077	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
9873	436568.7	3763068	2.24E-05	7.62E-05	3.47E-06	1.25E-05	1.87E-06	5.78E-06
9874	436565	3763060	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.87E-06	5.79E-06
9875	436561.3	3763051	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
9876	436557.6	3763042	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06

9877	436553.9	3763033	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9878	436550.2	3763024	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9879	436546.6	3763015	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9880	436542.9	3763006	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9881	436539.2	3762997	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9882	436535.5	3762988	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9883	436531.8	3762979	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
9884	436528.1	3762971	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
9885	436524.4	3762962	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.87E-06	5.79E-06
9886	436520.7	3762953	2.24E-05	7.63E-05	3.48E-06	1.25E-05	1.87E-06	5.78E-06
9887	436517	3762944	2.23E-05	7.62E-05	3.47E-06	1.24E-05	1.87E-06	5.77E-06
9888	436513.3	3762935	2.23E-05	7.60E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
9889	436509.6	3762926	2.23E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.75E-06
9890	436506	3762917	2.22E-05	7.57E-05	3.45E-06	1.24E-05	1.86E-06	5.74E-06
9891	436502.3	3762908	2.22E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
9892	437365.6	3763744	1.09E-05	3.70E-05	1.69E-06	6.05E-06	9.09E-07	2.81E-06
9893	437375.3	3763744	1.09E-05	3.72E-05	1.69E-06	6.08E-06	9.13E-07	2.82E-06
9894	437384.9	3763744	1.1E-05	3.73E-05	1.70E-06	6.10E-06	9.17E-07	2.83E-06
9895	437394.6	3763744	1.1E-05	3.75E-05	1.71E-06	6.13E-06	9.21E-07	2.84E-06
9896	437404.2	3763744	1.1E-05	3.77E-05	1.72E-06	6.15E-06	9.24E-07	2.85E-06
9897	437413.9	3763744	1.11E-05	3.78E-05	1.72E-06	6.17E-06	9.28E-07	2.86E-06
9898	437423.5	3763744	1.11E-05	3.79E-05	1.73E-06	6.19E-06	9.30E-07	2.87E-06
9899	437433.2	3763744	1.11E-05	3.80E-05	1.73E-06	6.21E-06	9.33E-07	2.88E-06
9900	437442.8	3763744	1.12E-05	3.81E-05	1.74E-06	6.23E-06	9.36E-07	2.89E-06
9901	437452.5	3763744	1.12E-05	3.82E-05	1.74E-06	6.25E-06	9.39E-07	2.90E-06
9902	437462.1	3763744	1.12E-05	3.83E-05	1.75E-06	6.26E-06	9.41E-07	2.91E-06
9903	437471.8	3763744	1.13E-05	3.85E-05	1.75E-06	6.29E-06	9.45E-07	2.92E-06
9904	437481.4	3763744	1.13E-05	3.87E-05	1.76E-06	6.32E-06	9.49E-07	2.93E-06
9905	437491.1	3763743	1.14E-05	3.88E-05	1.77E-06	6.34E-06	9.53E-07	2.94E-06
9906	437500.7	3763743	1.15E-05	3.91E-05	1.78E-06	6.39E-06	9.60E-07	2.96E-06
9907	437510.4	3763743	1.16E-05	3.94E-05	1.80E-06	6.44E-06	9.67E-07	2.99E-06
9908	437520	3763743	1.16E-05	3.97E-05	1.81E-06	6.49E-06	9.75E-07	3.01E-06
9909	437529.7	3763743	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.79E-07	3.02E-06
9910	437539.3	3763743	1.18E-05	4.01E-05	1.83E-06	6.55E-06	9.84E-07	3.04E-06
9911	437549	3763743	1.18E-05	4.03E-05	1.83E-06	6.58E-06	9.88E-07	3.05E-06
9912	437356.9	3763780	1.02E-05	3.47E-05	1.58E-06	5.67E-06	8.51E-07	2.63E-06
9913	437348.1	3763776	1.02E-05	3.47E-05	1.58E-06	5.67E-06	8.53E-07	2.63E-06
9914	437339.3	3763773	1.02E-05	3.48E-05	1.59E-06	5.68E-06	8.54E-07	2.64E-06
9915	437330.5	3763769	1.02E-05	3.49E-05	1.59E-06	5.69E-06	8.55E-07	2.64E-06
9916	437321.7	3763766	1.02E-05	3.49E-05	1.59E-06	5.70E-06	8.57E-07	2.65E-06
9917	437312.9	3763762	1.03E-05	3.50E-05	1.59E-06	5.71E-06	8.59E-07	2.65E-06
9918	437304.1	3763758	1.03E-05	3.50E-05	1.60E-06	5.72E-06	8.60E-07	2.65E-06
9919	437295.2	3763755	1.03E-05	3.51E-05	1.60E-06	5.73E-06	8.61E-07	2.66E-06
9920	437286.4	3763751	1.03E-05	3.51E-05	1.60E-06	5.74E-06	8.62E-07	2.66E-06
9921	437277.6	3763747	1.03E-05	3.51E-05	1.60E-06	5.74E-06	8.62E-07	2.66E-06
9922	437268.8	3763744	1.03E-05	3.52E-05	1.60E-06	5.74E-06	8.63E-07	2.66E-06
9923	437260	3763740	1.03E-05	3.52E-05	1.60E-06	5.75E-06	8.63E-07	2.66E-06
9924	437251.2	3763737	1.03E-05	3.52E-05	1.60E-06	5.75E-06	8.64E-07	2.67E-06
9925	437242.4	3763733	1.03E-05	3.52E-05	1.61E-06	5.76E-06	8.65E-07	2.67E-06
9926	437233.6	3763729	1.04E-05	3.53E-05	1.61E-06	5.77E-06	8.67E-07	2.68E-06
9927	437224.8	3763726	1.04E-05	3.54E-05	1.61E-06	5.78E-06	8.69E-07	2.68E-06
9928	437216	3763722	1.04E-05	3.55E-05	1.62E-06	5.79E-06	8.71E-07	2.69E-06

9929	437207.2	3763718	1.04E-05	3.55E-05	1.62E-06	5.81E-06	8.72E-07	2.69E-06
9930	437198.4	3763715	1.05E-05	3.56E-05	1.62E-06	5.82E-06	8.75E-07	2.70E-06
9931	437189.6	3763711	1.05E-05	3.57E-05	1.63E-06	5.84E-06	8.77E-07	2.71E-06
9932	437180.7	3763707	1.05E-05	3.58E-05	1.63E-06	5.85E-06	8.78E-07	2.71E-06
9933	437101.5	3763675	1.08E-05	3.68E-05	1.68E-06	6.00E-06	9.02E-07	2.79E-06
9934	437092.7	3763671	1.08E-05	3.69E-05	1.68E-06	6.03E-06	9.06E-07	2.80E-06
9935	437083.9	3763668	1.09E-05	3.71E-05	1.69E-06	6.06E-06	9.10E-07	2.81E-06
9936	437075.1	3763664	1.09E-05	3.72E-05	1.70E-06	6.08E-06	9.14E-07	2.82E-06
9937	437066.2	3763660	1.1E-05	3.74E-05	1.71E-06	6.12E-06	9.19E-07	2.84E-06
9938	437057.4	3763657	1.1E-05	3.76E-05	1.71E-06	6.15E-06	9.23E-07	2.85E-06
9939	437048.6	3763653	1.11E-05	3.78E-05	1.72E-06	6.18E-06	9.28E-07	2.86E-06
9940	437039.8	3763649	1.11E-05	3.80E-05	1.73E-06	6.21E-06	9.33E-07	2.88E-06
9941	437031	3763646	1.12E-05	3.82E-05	1.74E-06	6.24E-06	9.38E-07	2.89E-06
9942	437022.2	3763642	1.13E-05	3.84E-05	1.75E-06	6.28E-06	9.43E-07	2.91E-06
9943	437013.4	3763638	1.13E-05	3.87E-05	1.76E-06	6.32E-06	9.49E-07	2.93E-06
9944	437004.6	3763635	1.14E-05	3.89E-05	1.77E-06	6.36E-06	9.56E-07	2.95E-06
9945	436925.3	3763602	1.2E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
9946	436916.5	3763598	1.21E-05	4.12E-05	1.88E-06	6.74E-06	1.01E-06	3.12E-06
9947	436907.7	3763595	1.21E-05	4.13E-05	1.88E-06	6.74E-06	1.01E-06	3.13E-06
9948	436898.9	3763591	1.21E-05	4.14E-05	1.89E-06	6.77E-06	1.02E-06	3.14E-06
9949	436890.1	3763588	1.22E-05	4.16E-05	1.89E-06	6.79E-06	1.02E-06	3.15E-06
9950	436881.3	3763584	1.22E-05	4.18E-05	1.90E-06	6.82E-06	1.02E-06	3.16E-06
9951	436872.5	3763580	1.23E-05	4.19E-05	1.91E-06	6.85E-06	1.03E-06	3.18E-06
9952	436863.7	3763577	1.23E-05	4.21E-05	1.92E-06	6.88E-06	1.03E-06	3.19E-06
9953	436854.9	3763573	1.24E-05	4.22E-05	1.92E-06	6.90E-06	1.04E-06	3.20E-06
9954	436846.1	3763569	1.24E-05	4.23E-05	1.93E-06	6.92E-06	1.04E-06	3.21E-06
9955	436837.2	3763566	1.24E-05	4.24E-05	1.93E-06	6.93E-06	1.04E-06	3.21E-06
9956	436828.4	3763562	1.25E-05	4.25E-05	1.93E-06	6.94E-06	1.04E-06	3.22E-06
9957	436819.6	3763559	1.25E-05	4.25E-05	1.94E-06	6.95E-06	1.04E-06	3.22E-06
9958	436810.8	3763555	1.25E-05	4.27E-05	1.94E-06	6.97E-06	1.05E-06	3.23E-06
9959	436802	3763551	1.25E-05	4.27E-05	1.95E-06	6.98E-06	1.05E-06	3.24E-06
9960	436793.2	3763548	1.26E-05	4.29E-05	1.95E-06	7.00E-06	1.05E-06	3.25E-06
9961	436784.4	3763544	1.26E-05	4.30E-05	1.96E-06	7.02E-06	1.06E-06	3.26E-06
9962	436775.6	3763540	1.27E-05	4.31E-05	1.97E-06	7.05E-06	1.06E-06	3.27E-06
9963	436740.4	3763526	1.28E-05	4.38E-05	1.99E-06	7.15E-06	1.07E-06	3.32E-06
9964	436731.6	3763522	1.29E-05	4.39E-05	2.00E-06	7.17E-06	1.08E-06	3.33E-06
9965	436722.7	3763519	1.29E-05	4.41E-05	2.01E-06	7.20E-06	1.08E-06	3.34E-06
9966	436710.3	3763506	1.32E-05	4.49E-05	2.04E-06	7.33E-06	1.10E-06	3.40E-06
9967	436706.6	3763497	1.34E-05	4.56E-05	2.08E-06	7.44E-06	1.12E-06	3.45E-06
9968	436703	3763489	1.36E-05	4.62E-05	2.11E-06	7.55E-06	1.13E-06	3.50E-06
9969	436699.3	3763480	1.37E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
9970	436695.7	3763471	1.39E-05	4.75E-05	2.17E-06	7.77E-06	1.17E-06	3.60E-06
9971	436692	3763462	1.41E-05	4.82E-05	2.20E-06	7.88E-06	1.18E-06	3.65E-06
9972	436688.4	3763453	1.43E-05	4.89E-05	2.23E-06	7.98E-06	1.20E-06	3.70E-06
9973	436684.7	3763445	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.21E-06	3.75E-06
9974	436681.1	3763436	1.47E-05	5.02E-05	2.29E-06	8.19E-06	1.23E-06	3.80E-06
9975	436677.4	3763427	1.49E-05	5.09E-05	2.32E-06	8.31E-06	1.25E-06	3.85E-06
9976	436673.8	3763418	1.51E-05	5.16E-05	2.35E-06	8.42E-06	1.27E-06	3.91E-06
9977	436670.1	3763409	1.53E-05	5.23E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
9978	436666.5	3763401	1.55E-05	5.29E-05	2.41E-06	8.65E-06	1.30E-06	4.01E-06
9979	436662.8	3763392	1.57E-05	5.36E-05	2.44E-06	8.76E-06	1.32E-06	4.06E-06
9980	436659.2	3763383	1.59E-05	5.43E-05	2.48E-06	8.87E-06	1.33E-06	4.12E-06

9981	436655.5	3763374	1.61E-05	5.50E-05	2.51E-06	8.99E-06	1.35E-06	4.17E-06
9982	436651.9	3763365	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
9983	436648.2	3763357	1.65E-05	5.63E-05	2.57E-06	9.20E-06	1.38E-06	4.27E-06
9984	436644.6	3763348	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
9985	436640.9	3763339	1.69E-05	5.76E-05	2.63E-06	9.41E-06	1.41E-06	4.37E-06
9986	436637.3	3763330	1.71E-05	5.82E-05	2.65E-06	9.51E-06	1.43E-06	4.41E-06
9987	436633.6	3763321	1.73E-05	5.88E-05	2.68E-06	9.61E-06	1.44E-06	4.46E-06
9988	436630	3763313	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
9989	436626.3	3763304	1.76E-05	6.00E-05	2.73E-06	9.80E-06	1.47E-06	4.55E-06
9990	436622.7	3763295	1.78E-05	6.06E-05	2.76E-06	9.90E-06	1.49E-06	4.59E-06
9991	436619	3763286	1.79E-05	6.11E-05	2.78E-06	9.98E-06	1.50E-06	4.63E-06
9992	436615.4	3763277	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
9993	436611.7	3763269	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
9994	436608.1	3763260	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9995	436604.4	3763251	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.80E-06
9996	436600.8	3763242	1.88E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.85E-06
9997	436597.1	3763233	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
9998	436593.5	3763225	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
9999	436589.8	3763216	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
10000	436586.2	3763207	1.95E-05	6.64E-05	3.03E-06	1.08E-05	1.63E-06	5.03E-06
10001	436582.5	3763198	1.97E-05	6.70E-05	3.05E-06	1.09E-05	1.64E-06	5.08E-06
10002	436578.9	3763189	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.66E-06	5.11E-06
10003	436575.2	3763181	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
10004	436571.6	3763172	2E-05	6.82E-05	3.11E-06	1.11E-05	1.68E-06	5.17E-06
10005	436567.9	3763163	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
10006	436564.3	3763154	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
10007	436560.6	3763145	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
10008	436557	3763137	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
10009	436553.3	3763128	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
10010	436549.7	3763119	2.06E-05	7.01E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
10011	436546	3763110	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.73E-06	5.33E-06
10012	436542.4	3763101	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
10013	436538.7	3763093	2.07E-05	7.07E-05	3.22E-06	1.15E-05	1.73E-06	5.36E-06
10014	436535.1	3763084	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
10015	436531.4	3763075	2.08E-05	7.10E-05	3.23E-06	1.16E-05	1.74E-06	5.38E-06
10016	436527.8	3763066	2.08E-05	7.11E-05	3.24E-06	1.16E-05	1.74E-06	5.39E-06
10017	436524.1	3763057	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
10018	436520.5	3763049	2.09E-05	7.12E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10019	436516.8	3763040	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10020	436513.2	3763031	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10021	436509.5	3763022	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10022	436505.9	3763013	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10023	436502.2	3763005	2.09E-05	7.12E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10024	436498.6	3762996	2.09E-05	7.12E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
10025	436494.9	3762987	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
10026	436491.3	3762978	2.08E-05	7.10E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
10027	436487.6	3762969	2.08E-05	7.10E-05	3.23E-06	1.16E-05	1.74E-06	5.38E-06
10028	436484	3762961	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
10029	436480.3	3762952	2.07E-05	7.07E-05	3.22E-06	1.16E-05	1.74E-06	5.36E-06
10030	436476.7	3762943	2.07E-05	7.06E-05	3.22E-06	1.15E-05	1.73E-06	5.35E-06
10031	436473	3762934	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
10032	436469.4	3762925	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06

10033	436465.7	3762917	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
10034	436462.1	3762908	2.06E-05	7.01E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
10035	437365.7	3763784	1.02E-05	3.46E-05	1.58E-06	5.66E-06	8.50E-07	2.62E-06
10036	437375.4	3763784	1.02E-05	3.48E-05	1.58E-06	5.68E-06	8.54E-07	2.64E-06
10037	437385	3763784	1.02E-05	3.49E-05	1.59E-06	5.70E-06	8.57E-07	2.65E-06
10038	437394.7	3763784	1.03E-05	3.50E-05	1.60E-06	5.72E-06	8.60E-07	2.65E-06
10039	437404.3	3763784	1.03E-05	3.52E-05	1.60E-06	5.75E-06	8.63E-07	2.66E-06
10040	437414	3763784	1.03E-05	3.53E-05	1.61E-06	5.76E-06	8.66E-07	2.67E-06
10041	437423.6	3763784	1.04E-05	3.54E-05	1.61E-06	5.78E-06	8.69E-07	2.68E-06
10042	437433.3	3763784	1.04E-05	3.55E-05	1.62E-06	5.80E-06	8.71E-07	2.69E-06
10043	437442.9	3763784	1.04E-05	3.56E-05	1.62E-06	5.81E-06	8.73E-07	2.70E-06
10044	437452.6	3763784	1.05E-05	3.57E-05	1.63E-06	5.83E-06	8.76E-07	2.70E-06
10045	437462.2	3763784	1.05E-05	3.58E-05	1.63E-06	5.84E-06	8.78E-07	2.71E-06
10046	437471.9	3763784	1.05E-05	3.59E-05	1.64E-06	5.87E-06	8.82E-07	2.72E-06
10047	437481.5	3763784	1.06E-05	3.61E-05	1.65E-06	5.90E-06	8.87E-07	2.74E-06
10048	437491.2	3763783	1.06E-05	3.63E-05	1.65E-06	5.93E-06	8.91E-07	2.75E-06
10049	437500.8	3763783	1.07E-05	3.65E-05	1.66E-06	5.97E-06	8.96E-07	2.77E-06
10050	437510.5	3763783	1.08E-05	3.67E-05	1.67E-06	6.00E-06	9.02E-07	2.78E-06
10051	437520.1	3763783	1.08E-05	3.70E-05	1.69E-06	6.04E-06	9.08E-07	2.80E-06
10052	437529.8	3763783	1.09E-05	3.71E-05	1.69E-06	6.06E-06	9.11E-07	2.81E-06
10053	437539.4	3763783	1.09E-05	3.72E-05	1.70E-06	6.08E-06	9.13E-07	2.82E-06
10054	437549.1	3763783	1.09E-05	3.73E-05	1.70E-06	6.10E-06	9.16E-07	2.83E-06
10055	437357	3763820	9.55E-06	3.26E-05	1.48E-06	5.32E-06	7.99E-07	2.47E-06
10056	437348.1	3763816	9.57E-06	3.26E-05	1.49E-06	5.33E-06	8.01E-07	2.47E-06
10057	437339.3	3763813	9.58E-06	3.27E-05	1.49E-06	5.34E-06	8.02E-07	2.47E-06
10058	437330.5	3763809	9.59E-06	3.27E-05	1.49E-06	5.34E-06	8.03E-07	2.48E-06
10059	437321.6	3763806	9.61E-06	3.28E-05	1.49E-06	5.35E-06	8.04E-07	2.48E-06
10060	437312.8	3763802	9.62E-06	3.28E-05	1.50E-06	5.36E-06	8.05E-07	2.49E-06
10061	437304	3763798	9.64E-06	3.29E-05	1.50E-06	5.37E-06	8.07E-07	2.49E-06
10062	437295.1	3763795	9.66E-06	3.29E-05	1.50E-06	5.38E-06	8.08E-07	2.49E-06
10063	437286.3	3763791	9.67E-06	3.30E-05	1.50E-06	5.38E-06	8.09E-07	2.50E-06
10064	437277.5	3763787	9.68E-06	3.30E-05	1.50E-06	5.39E-06	8.10E-07	2.50E-06
10065	437268.6	3763784	9.69E-06	3.31E-05	1.51E-06	5.40E-06	8.11E-07	2.50E-06
10066	437259.8	3763780	9.7E-06	3.31E-05	1.51E-06	5.41E-06	8.12E-07	2.51E-06
10067	437251	3763776	9.71E-06	3.31E-05	1.51E-06	5.41E-06	8.13E-07	2.51E-06
10068	437242.1	3763773	9.72E-06	3.31E-05	1.51E-06	5.42E-06	8.14E-07	2.51E-06
10069	437233.3	3763769	9.73E-06	3.32E-05	1.51E-06	5.42E-06	8.14E-07	2.51E-06
10070	437224.5	3763765	9.74E-06	3.32E-05	1.51E-06	5.42E-06	8.15E-07	2.52E-06
10071	437215.6	3763762	9.75E-06	3.32E-05	1.51E-06	5.43E-06	8.16E-07	2.52E-06
10072	437206.8	3763758	9.76E-06	3.33E-05	1.52E-06	5.44E-06	8.17E-07	2.52E-06
10073	437198	3763755	9.78E-06	3.33E-05	1.52E-06	5.45E-06	8.18E-07	2.53E-06
10074	437189.1	3763751	9.79E-06	3.34E-05	1.52E-06	5.45E-06	8.20E-07	2.53E-06
10075	437180.3	3763747	9.81E-06	3.34E-05	1.52E-06	5.46E-06	8.21E-07	2.53E-06
10076	437153.8	3763736	9.86E-06	3.36E-05	1.53E-06	5.49E-06	8.26E-07	2.55E-06
10077	437145	3763733	9.89E-06	3.37E-05	1.54E-06	5.51E-06	8.28E-07	2.56E-06
10078	437136.1	3763729	9.92E-06	3.38E-05	1.54E-06	5.53E-06	8.30E-07	2.56E-06
10079	437127.3	3763725	9.94E-06	3.39E-05	1.54E-06	5.54E-06	8.32E-07	2.57E-06
10080	437118.5	3763722	9.96E-06	3.40E-05	1.55E-06	5.55E-06	8.34E-07	2.57E-06
10081	437109.6	3763718	9.98E-06	3.40E-05	1.55E-06	5.56E-06	8.36E-07	2.58E-06
10082	437100.8	3763714	1E-05	3.41E-05	1.56E-06	5.58E-06	8.38E-07	2.59E-06
10083	437092	3763711	1E-05	3.42E-05	1.56E-06	5.59E-06	8.39E-07	2.59E-06
10084	437083.2	3763707	1.01E-05	3.43E-05	1.56E-06	5.60E-06	8.41E-07	2.60E-06

10085	437012.5	3763678	1.05E-05	3.57E-05	1.62E-06	5.82E-06	8.75E-07	2.70E-06
10086	437003.7	3763674	1.05E-05	3.59E-05	1.64E-06	5.86E-06	8.81E-07	2.72E-06
10087	436994.8	3763671	1.06E-05	3.62E-05	1.65E-06	5.91E-06	8.88E-07	2.74E-06
10088	436986	3763667	1.07E-05	3.64E-05	1.66E-06	5.95E-06	8.94E-07	2.76E-06
10089	436977.2	3763663	1.08E-05	3.67E-05	1.67E-06	5.99E-06	9.00E-07	2.78E-06
10090	436968.3	3763660	1.09E-05	3.72E-05	1.70E-06	6.08E-06	9.14E-07	2.82E-06
10091	436959.5	3763656	1.1E-05	3.74E-05	1.71E-06	6.12E-06	9.19E-07	2.84E-06
10092	436950.7	3763653	1.1E-05	3.76E-05	1.71E-06	6.14E-06	9.23E-07	2.85E-06
10093	436941.8	3763649	1.11E-05	3.78E-05	1.72E-06	6.17E-06	9.27E-07	2.86E-06
10094	436933	3763645	1.11E-05	3.80E-05	1.73E-06	6.20E-06	9.32E-07	2.88E-06
10095	436924.2	3763642	1.12E-05	3.81E-05	1.74E-06	6.23E-06	9.36E-07	2.89E-06
10096	436915.3	3763638	1.12E-05	3.83E-05	1.74E-06	6.26E-06	9.40E-07	2.90E-06
10097	436906.5	3763634	1.13E-05	3.84E-05	1.75E-06	6.28E-06	9.44E-07	2.91E-06
10098	436844.7	3763609	1.16E-05	3.94E-05	1.80E-06	6.44E-06	9.68E-07	2.99E-06
10099	436835.8	3763605	1.16E-05	3.96E-05	1.80E-06	6.46E-06	9.71E-07	3.00E-06
10100	436827	3763602	1.16E-05	3.97E-05	1.81E-06	6.48E-06	9.74E-07	3.01E-06
10101	436818.2	3763598	1.17E-05	3.98E-05	1.81E-06	6.50E-06	9.77E-07	3.02E-06
10102	436809.3	3763594	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.79E-07	3.02E-06
10103	436800.5	3763591	1.17E-05	4.00E-05	1.82E-06	6.53E-06	9.81E-07	3.03E-06
10104	436791.7	3763587	1.17E-05	4.00E-05	1.82E-06	6.54E-06	9.83E-07	3.03E-06
10105	436782.8	3763583	1.18E-05	4.01E-05	1.83E-06	6.55E-06	9.84E-07	3.04E-06
10106	436774	3763580	1.18E-05	4.01E-05	1.83E-06	6.56E-06	9.85E-07	3.04E-06
10107	436747.5	3763569	1.19E-05	4.04E-05	1.84E-06	6.60E-06	9.92E-07	3.06E-06
10108	436738.7	3763565	1.19E-05	4.05E-05	1.85E-06	6.62E-06	9.95E-07	3.07E-06
10109	436729.8	3763561	1.19E-05	4.07E-05	1.85E-06	6.64E-06	9.98E-07	3.08E-06
10110	436721	3763558	1.2E-05	4.08E-05	1.86E-06	6.67E-06	1.00E-06	3.09E-06
10111	436712.2	3763554	1.2E-05	4.10E-05	1.87E-06	6.70E-06	1.01E-06	3.11E-06
10112	436703.4	3763551	1.21E-05	4.12E-05	1.88E-06	6.73E-06	1.01E-06	3.12E-06
10113	436694.5	3763547	1.21E-05	4.14E-05	1.88E-06	6.76E-06	1.02E-06	3.13E-06
10114	436682	3763534	1.24E-05	4.21E-05	1.92E-06	6.89E-06	1.03E-06	3.19E-06
10115	436678.4	3763526	1.25E-05	4.28E-05	1.95E-06	6.99E-06	1.05E-06	3.24E-06
10116	436674.7	3763517	1.27E-05	4.33E-05	1.97E-06	7.08E-06	1.06E-06	3.28E-06
10117	436671	3763508	1.29E-05	4.39E-05	2.00E-06	7.17E-06	1.08E-06	3.33E-06
10118	436667.4	3763499	1.3E-05	4.45E-05	2.03E-06	7.27E-06	1.09E-06	3.37E-06
10119	436663.7	3763490	1.32E-05	4.51E-05	2.05E-06	7.36E-06	1.11E-06	3.42E-06
10120	436660.1	3763481	1.34E-05	4.57E-05	2.08E-06	7.46E-06	1.12E-06	3.46E-06
10121	436656.4	3763473	1.36E-05	4.63E-05	2.11E-06	7.56E-06	1.14E-06	3.51E-06
10122	436652.7	3763464	1.37E-05	4.68E-05	2.13E-06	7.65E-06	1.15E-06	3.55E-06
10123	436649.1	3763455	1.39E-05	4.74E-05	2.16E-06	7.75E-06	1.16E-06	3.59E-06
10124	436645.4	3763446	1.41E-05	4.80E-05	2.19E-06	7.84E-06	1.18E-06	3.64E-06
10125	436641.8	3763437	1.43E-05	4.86E-05	2.21E-06	7.94E-06	1.19E-06	3.68E-06
10126	436638.1	3763429	1.44E-05	4.92E-05	2.24E-06	8.04E-06	1.21E-06	3.73E-06
10127	436634.4	3763420	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
10128	436630.8	3763411	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.82E-06
10129	436627.1	3763402	1.5E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
10130	436623.5	3763393	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.93E-06
10131	436619.8	3763384	1.54E-05	5.25E-05	2.39E-06	8.57E-06	1.29E-06	3.97E-06
10132	436616.1	3763376	1.56E-05	5.31E-05	2.42E-06	8.67E-06	1.30E-06	4.02E-06
10133	436612.5	3763367	1.57E-05	5.36E-05	2.44E-06	8.76E-06	1.32E-06	4.06E-06
10134	436608.8	3763358	1.59E-05	5.42E-05	2.47E-06	8.85E-06	1.33E-06	4.11E-06
10135	436605.1	3763349	1.6E-05	5.47E-05	2.49E-06	8.94E-06	1.34E-06	4.15E-06
10136	436601.5	3763340	1.62E-05	5.52E-05	2.52E-06	9.02E-06	1.36E-06	4.18E-06

10137	436597.8	3763331	1.63E-05	5.57E-05	2.54E-06	9.10E-06	1.37E-06	4.22E-06
10138	436594.2	3763323	1.65E-05	5.62E-05	2.56E-06	9.18E-06	1.38E-06	4.26E-06
10139	436590.5	3763314	1.66E-05	5.67E-05	2.58E-06	9.26E-06	1.39E-06	4.29E-06
10140	436586.8	3763305	1.68E-05	5.72E-05	2.61E-06	9.34E-06	1.40E-06	4.33E-06
10141	436583.2	3763296	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.37E-06
10142	436579.5	3763287	1.71E-05	5.82E-05	2.65E-06	9.51E-06	1.43E-06	4.41E-06
10143	436575.9	3763279	1.72E-05	5.87E-05	2.68E-06	9.59E-06	1.44E-06	4.45E-06
10144	436572.2	3763270	1.74E-05	5.92E-05	2.70E-06	9.68E-06	1.45E-06	4.49E-06
10145	436568.5	3763261	1.75E-05	5.98E-05	2.72E-06	9.76E-06	1.47E-06	4.53E-06
10146	436564.9	3763252	1.77E-05	6.03E-05	2.75E-06	9.86E-06	1.48E-06	4.57E-06
10147	436561.2	3763243	1.79E-05	6.09E-05	2.78E-06	9.96E-06	1.50E-06	4.62E-06
10148	436557.6	3763234	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
10149	436553.9	3763226	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
10150	436550.2	3763217	1.83E-05	6.25E-05	2.85E-06	1.02E-05	1.53E-06	4.73E-06
10151	436546.6	3763208	1.84E-05	6.29E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
10152	436542.9	3763199	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
10153	436539.3	3763190	1.86E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
10154	436535.6	3763181	1.87E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
10155	436531.9	3763173	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.87E-06
10156	436528.3	3763164	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
10157	436524.6	3763155	1.9E-05	6.48E-05	2.95E-06	1.06E-05	1.59E-06	4.91E-06
10158	436521	3763146	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
10159	436517.3	3763137	1.91E-05	6.53E-05	2.97E-06	1.07E-05	1.60E-06	4.95E-06
10160	436513.6	3763128	1.92E-05	6.55E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
10161	436510	3763120	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
10162	436506.3	3763111	1.93E-05	6.58E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
10163	436502.6	3763102	1.94E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
10164	436499	3763093	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
10165	436495.3	3763084	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
10166	436491.7	3763076	1.94E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
10167	436488	3763067	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
10168	436484.3	3763058	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
10169	436480.7	3763049	1.95E-05	6.65E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
10170	436477	3763040	1.95E-05	6.65E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
10171	436473.4	3763031	1.95E-05	6.65E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
10172	436469.7	3763023	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
10173	436466	3763014	1.95E-05	6.64E-05	3.03E-06	1.08E-05	1.63E-06	5.03E-06
10174	436462.4	3763005	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
10175	436458.7	3762996	1.94E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
10176	436455.1	3762987	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
10177	436451.4	3762978	1.94E-05	6.62E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
10178	436447.7	3762970	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
10179	436444.1	3762961	1.93E-05	6.60E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
10180	436440.4	3762952	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
10181	436436.8	3762943	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
10182	436433.1	3762934	1.93E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
10183	436429.4	3762926	1.92E-05	6.55E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
10184	436425.8	3762917	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
10185	436422.1	3762908	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
10186	437365.8	3763824	9.53E-06	3.25E-05	1.48E-06	5.31E-06	7.98E-07	2.46E-06
10187	437375.4	3763824	9.57E-06	3.26E-05	1.49E-06	5.33E-06	8.01E-07	2.47E-06
10188	437385.1	3763824	9.62E-06	3.28E-05	1.49E-06	5.36E-06	8.05E-07	2.48E-06

10189	437394.7	3763824	9.66E-06	3.29E-05	1.50E-06	5.38E-06	8.08E-07	2.49E-06
10190	437404.4	3763824	9.69E-06	3.31E-05	1.51E-06	5.40E-06	8.11E-07	2.50E-06
10191	437414	3763824	9.73E-06	3.32E-05	1.51E-06	5.42E-06	8.14E-07	2.51E-06
10192	437423.7	3763824	9.76E-06	3.33E-05	1.52E-06	5.44E-06	8.17E-07	2.52E-06
10193	437433.3	3763824	9.79E-06	3.34E-05	1.52E-06	5.45E-06	8.19E-07	2.53E-06
10194	437443	3763824	9.81E-06	3.35E-05	1.52E-06	5.47E-06	8.21E-07	2.54E-06
10195	437452.6	3763824	9.84E-06	3.35E-05	1.53E-06	5.48E-06	8.23E-07	2.54E-06
10196	437462.3	3763824	9.86E-06	3.36E-05	1.53E-06	5.49E-06	8.26E-07	2.55E-06
10197	437472	3763824	9.89E-06	3.37E-05	1.54E-06	5.51E-06	8.28E-07	2.56E-06
10198	437481.6	3763824	9.91E-06	3.38E-05	1.54E-06	5.52E-06	8.30E-07	2.56E-06
10199	437491.3	3763823	9.95E-06	3.39E-05	1.55E-06	5.54E-06	8.32E-07	2.57E-06
10200	437500.9	3763823	9.99E-06	3.41E-05	1.55E-06	5.57E-06	8.36E-07	2.58E-06
10201	437510.6	3763823	1E-05	3.42E-05	1.56E-06	5.59E-06	8.40E-07	2.59E-06
10202	437520.2	3763823	1.01E-05	3.44E-05	1.57E-06	5.62E-06	8.44E-07	2.61E-06
10203	437529.9	3763823	1.01E-05	3.45E-05	1.57E-06	5.63E-06	8.46E-07	2.61E-06
10204	437539.5	3763823	1.01E-05	3.46E-05	1.58E-06	5.65E-06	8.49E-07	2.62E-06
10205	437549.2	3763823	1.02E-05	3.46E-05	1.58E-06	5.66E-06	8.50E-07	2.63E-06
10206	437357	3763860	9E-06	3.07E-05	1.40E-06	5.01E-06	7.54E-07	2.33E-06
10207	437348.2	3763856	9.02E-06	3.08E-05	1.40E-06	5.02E-06	7.55E-07	2.33E-06
10208	437339.3	3763853	9.03E-06	3.08E-05	1.40E-06	5.03E-06	7.56E-07	2.33E-06
10209	437330.5	3763849	9.05E-06	3.08E-05	1.41E-06	5.04E-06	7.57E-07	2.34E-06
10210	437321.6	3763845	9.06E-06	3.09E-05	1.41E-06	5.05E-06	7.59E-07	2.34E-06
10211	437312.7	3763842	9.07E-06	3.09E-05	1.41E-06	5.05E-06	7.59E-07	2.34E-06
10212	437303.9	3763838	9.08E-06	3.10E-05	1.41E-06	5.06E-06	7.60E-07	2.35E-06
10213	437295	3763835	9.1E-06	3.10E-05	1.41E-06	5.07E-06	7.62E-07	2.35E-06
10214	437286.2	3763831	9.12E-06	3.11E-05	1.42E-06	5.08E-06	7.63E-07	2.36E-06
10215	437277.3	3763827	9.13E-06	3.11E-05	1.42E-06	5.09E-06	7.64E-07	2.36E-06
10216	437268.5	3763824	9.14E-06	3.12E-05	1.42E-06	5.09E-06	7.65E-07	2.36E-06
10217	437259.6	3763820	9.15E-06	3.12E-05	1.42E-06	5.10E-06	7.66E-07	2.36E-06
10218	437250.8	3763816	9.16E-06	3.12E-05	1.42E-06	5.10E-06	7.67E-07	2.37E-06
10219	437241.9	3763813	9.17E-06	3.13E-05	1.42E-06	5.11E-06	7.67E-07	2.37E-06
10220	437233	3763809	9.18E-06	3.13E-05	1.43E-06	5.11E-06	7.68E-07	2.37E-06
10221	437224.2	3763805	9.18E-06	3.13E-05	1.43E-06	5.12E-06	7.69E-07	2.37E-06
10222	437215.3	3763802	9.19E-06	3.13E-05	1.43E-06	5.12E-06	7.69E-07	2.37E-06
10223	437206.5	3763798	9.19E-06	3.14E-05	1.43E-06	5.12E-06	7.70E-07	2.38E-06
10224	437197.6	3763794	9.2E-06	3.14E-05	1.43E-06	5.12E-06	7.70E-07	2.38E-06
10225	437188.8	3763791	9.21E-06	3.14E-05	1.43E-06	5.13E-06	7.71E-07	2.38E-06
10226	437179.9	3763787	9.22E-06	3.14E-05	1.43E-06	5.13E-06	7.71E-07	2.38E-06
10227	437153.3	3763776	9.27E-06	3.16E-05	1.44E-06	5.16E-06	7.76E-07	2.40E-06
10228	437144.5	3763772	9.29E-06	3.17E-05	1.44E-06	5.18E-06	7.78E-07	2.40E-06
10229	437135.6	3763769	9.32E-06	3.18E-05	1.45E-06	5.19E-06	7.80E-07	2.41E-06
10230	437126.8	3763765	9.34E-06	3.19E-05	1.45E-06	5.20E-06	7.82E-07	2.41E-06
10231	437117.9	3763761	9.36E-06	3.19E-05	1.45E-06	5.21E-06	7.83E-07	2.42E-06
10232	437109.1	3763758	9.38E-06	3.20E-05	1.46E-06	5.22E-06	7.85E-07	2.42E-06
10233	437100.2	3763754	9.4E-06	3.20E-05	1.46E-06	5.23E-06	7.87E-07	2.43E-06
10234	437091.4	3763751	9.4E-06	3.21E-05	1.46E-06	5.24E-06	7.87E-07	2.43E-06
10235	437082.5	3763747	9.41E-06	3.21E-05	1.46E-06	5.24E-06	7.88E-07	2.43E-06
10236	437073.6	3763743	9.42E-06	3.21E-05	1.46E-06	5.25E-06	7.89E-07	2.44E-06
10237	437064.8	3763740	9.45E-06	3.22E-05	1.47E-06	5.26E-06	7.91E-07	2.44E-06
10238	437055.9	3763736	9.47E-06	3.23E-05	1.47E-06	5.28E-06	7.93E-07	2.45E-06
10239	437047.1	3763732	9.51E-06	3.24E-05	1.48E-06	5.30E-06	7.96E-07	2.46E-06
10240	437038.2	3763729	9.55E-06	3.25E-05	1.48E-06	5.32E-06	7.99E-07	2.47E-06

10241	437029.4	3763725	9.59E-06	3.27E-05	1.49E-06	5.34E-06	8.03E-07	2.48E-06
10242	437020.5	3763721	9.64E-06	3.29E-05	1.50E-06	5.37E-06	8.07E-07	2.49E-06
10243	437011.7	3763718	9.7E-06	3.31E-05	1.51E-06	5.41E-06	8.12E-07	2.51E-06
10244	437002.8	3763714	9.76E-06	3.33E-05	1.52E-06	5.44E-06	8.17E-07	2.52E-06
10245	436993.9	3763710	9.82E-06	3.35E-05	1.53E-06	5.47E-06	8.22E-07	2.54E-06
10246	436985.1	3763707	9.89E-06	3.37E-05	1.54E-06	5.51E-06	8.27E-07	2.55E-06
10247	436923.1	3763681	1.03E-05	3.52E-05	1.60E-06	5.74E-06	8.63E-07	2.66E-06
10248	436914.2	3763677	1.04E-05	3.53E-05	1.61E-06	5.77E-06	8.66E-07	2.67E-06
10249	436905.4	3763674	1.04E-05	3.55E-05	1.62E-06	5.79E-06	8.71E-07	2.69E-06
10250	436896.5	3763670	1.05E-05	3.57E-05	1.62E-06	5.82E-06	8.75E-07	2.70E-06
10251	436887.7	3763667	1.05E-05	3.58E-05	1.63E-06	5.86E-06	8.80E-07	2.72E-06
10252	436878.8	3763663	1.06E-05	3.60E-05	1.64E-06	5.89E-06	8.84E-07	2.73E-06
10253	436870	3763659	1.06E-05	3.62E-05	1.65E-06	5.91E-06	8.89E-07	2.74E-06
10254	436861.1	3763656	1.07E-05	3.64E-05	1.66E-06	5.94E-06	8.93E-07	2.76E-06
10255	436852.3	3763652	1.07E-05	3.65E-05	1.66E-06	5.97E-06	8.97E-07	2.77E-06
10256	436843.4	3763648	1.08E-05	3.67E-05	1.67E-06	6.00E-06	9.01E-07	2.78E-06
10257	436834.5	3763645	1.08E-05	3.69E-05	1.68E-06	6.02E-06	9.05E-07	2.79E-06
10258	436825.7	3763641	1.09E-05	3.70E-05	1.69E-06	6.04E-06	9.08E-07	2.80E-06
10259	436816.8	3763637	1.09E-05	3.71E-05	1.69E-06	6.06E-06	9.11E-07	2.81E-06
10260	436746	3763608	1.11E-05	3.79E-05	1.73E-06	6.19E-06	9.30E-07	2.87E-06
10261	436737.1	3763604	1.11E-05	3.80E-05	1.73E-06	6.20E-06	9.32E-07	2.88E-06
10262	436728.3	3763601	1.12E-05	3.81E-05	1.74E-06	6.22E-06	9.35E-07	2.89E-06
10263	436719.4	3763597	1.12E-05	3.82E-05	1.74E-06	6.24E-06	9.38E-07	2.90E-06
10264	436710.6	3763593	1.12E-05	3.83E-05	1.75E-06	6.26E-06	9.41E-07	2.90E-06
10265	436701.7	3763590	1.13E-05	3.84E-05	1.75E-06	6.28E-06	9.44E-07	2.91E-06
10266	436692.9	3763586	1.13E-05	3.86E-05	1.76E-06	6.30E-06	9.46E-07	2.92E-06
10267	436684	3763583	1.14E-05	3.87E-05	1.76E-06	6.32E-06	9.50E-07	2.93E-06
10268	436675.1	3763579	1.14E-05	3.89E-05	1.77E-06	6.35E-06	9.54E-07	2.94E-06
10269	436666.3	3763575	1.14E-05	3.90E-05	1.78E-06	6.37E-06	9.57E-07	2.95E-06
10270	436653.8	3763563	1.16E-05	3.96E-05	1.81E-06	6.47E-06	9.73E-07	3.00E-06
10271	436650.1	3763554	1.18E-05	4.01E-05	1.83E-06	6.56E-06	9.85E-07	3.04E-06
10272	436646.4	3763545	1.19E-05	4.06E-05	1.85E-06	6.64E-06	9.98E-07	3.08E-06
10273	436642.7	3763536	1.21E-05	4.12E-05	1.88E-06	6.72E-06	1.01E-06	3.12E-06
10274	436639.1	3763527	1.22E-05	4.17E-05	1.90E-06	6.81E-06	1.02E-06	3.16E-06
10275	436635.4	3763518	1.24E-05	4.22E-05	1.92E-06	6.89E-06	1.04E-06	3.20E-06
10276	436631.7	3763510	1.25E-05	4.27E-05	1.95E-06	6.98E-06	1.05E-06	3.24E-06
10277	436628.1	3763501	1.27E-05	4.33E-05	1.97E-06	7.07E-06	1.06E-06	3.28E-06
10278	436624.4	3763492	1.29E-05	4.39E-05	2.00E-06	7.17E-06	1.08E-06	3.32E-06
10279	436620.7	3763483	1.3E-05	4.44E-05	2.02E-06	7.25E-06	1.09E-06	3.37E-06
10280	436617.1	3763474	1.32E-05	4.50E-05	2.05E-06	7.34E-06	1.10E-06	3.41E-06
10281	436613.4	3763465	1.33E-05	4.55E-05	2.07E-06	7.43E-06	1.12E-06	3.45E-06
10282	436609.7	3763457	1.35E-05	4.61E-05	2.10E-06	7.52E-06	1.13E-06	3.49E-06
10283	436606	3763448	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
10284	436602.4	3763439	1.38E-05	4.71E-05	2.15E-06	7.70E-06	1.16E-06	3.57E-06
10285	436598.7	3763430	1.4E-05	4.77E-05	2.17E-06	7.79E-06	1.17E-06	3.61E-06
10286	436595	3763421	1.41E-05	4.82E-05	2.20E-06	7.88E-06	1.18E-06	3.66E-06
10287	436591.4	3763412	1.43E-05	4.88E-05	2.22E-06	7.97E-06	1.20E-06	3.70E-06
10288	436587.7	3763403	1.45E-05	4.93E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
10289	436584	3763395	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
10290	436580.4	3763386	1.48E-05	5.03E-05	2.29E-06	8.22E-06	1.24E-06	3.81E-06
10291	436576.7	3763377	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
10292	436573	3763368	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06

10293	436569.3	3763359	1.52E-05	5.17E-05	2.36E-06	8.45E-06	1.27E-06	3.92E-06
10294	436565.7	3763350	1.53E-05	5.22E-05	2.38E-06	8.52E-06	1.28E-06	3.95E-06
10295	436562	3763342	1.54E-05	5.26E-05	2.40E-06	8.60E-06	1.29E-06	3.99E-06
10296	436558.3	3763333	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.03E-06
10297	436554.7	3763324	1.57E-05	5.37E-05	2.45E-06	8.77E-06	1.32E-06	4.07E-06
10298	436551	3763315	1.59E-05	5.42E-05	2.47E-06	8.85E-06	1.33E-06	4.10E-06
10299	436547.3	3763306	1.6E-05	5.47E-05	2.49E-06	8.93E-06	1.34E-06	4.14E-06
10300	436543.7	3763297	1.62E-05	5.52E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
10301	436540	3763288	1.63E-05	5.57E-05	2.54E-06	9.10E-06	1.37E-06	4.22E-06
10302	436536.3	3763280	1.65E-05	5.62E-05	2.56E-06	9.18E-06	1.38E-06	4.26E-06
10303	436532.6	3763271	1.66E-05	5.67E-05	2.59E-06	9.27E-06	1.39E-06	4.30E-06
10304	436529	3763262	1.68E-05	5.72E-05	2.61E-06	9.35E-06	1.41E-06	4.34E-06
10305	436525.3	3763253	1.69E-05	5.77E-05	2.63E-06	9.42E-06	1.42E-06	4.37E-06
10306	436521.6	3763244	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
10307	436518	3763235	1.71E-05	5.84E-05	2.66E-06	9.55E-06	1.43E-06	4.43E-06
10308	436514.3	3763227	1.72E-05	5.88E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
10309	436510.6	3763218	1.73E-05	5.91E-05	2.69E-06	9.66E-06	1.45E-06	4.48E-06
10310	436506.9	3763209	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
10311	436503.3	3763200	1.75E-05	5.97E-05	2.72E-06	9.76E-06	1.47E-06	4.53E-06
10312	436499.6	3763191	1.76E-05	6.00E-05	2.74E-06	9.81E-06	1.47E-06	4.55E-06
10313	436495.9	3763182	1.77E-05	6.03E-05	2.75E-06	9.85E-06	1.48E-06	4.57E-06
10314	436492.3	3763173	1.78E-05	6.06E-05	2.76E-06	9.89E-06	1.49E-06	4.59E-06
10315	436488.6	3763165	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.61E-06
10316	436484.9	3763156	1.79E-05	6.10E-05	2.78E-06	9.97E-06	1.50E-06	4.62E-06
10317	436481.3	3763147	1.79E-05	6.12E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
10318	436477.6	3763138	1.8E-05	6.14E-05	2.80E-06	1.00E-05	1.51E-06	4.65E-06
10319	436473.9	3763129	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
10320	436470.2	3763120	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
10321	436466.6	3763111	1.81E-05	6.18E-05	2.82E-06	1.01E-05	1.52E-06	4.68E-06
10322	436462.9	3763103	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
10323	436459.2	3763094	1.82E-05	6.20E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
10324	436455.6	3763085	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
10325	436451.9	3763076	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.71E-06
10326	436448.2	3763067	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10327	436444.6	3763058	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10328	436440.9	3763050	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10329	436437.2	3763041	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10330	436433.5	3763032	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10331	436429.9	3763023	1.82E-05	6.21E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10332	436426.2	3763014	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.71E-06
10333	436422.5	3763005	1.82E-05	6.20E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
10334	436418.9	3762996	1.82E-05	6.20E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
10335	436415.2	3762988	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
10336	436411.5	3762979	1.81E-05	6.18E-05	2.82E-06	1.01E-05	1.52E-06	4.68E-06
10337	436407.8	3762970	1.81E-05	6.18E-05	2.81E-06	1.01E-05	1.52E-06	4.68E-06
10338	436404.2	3762961	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
10339	436400.5	3762952	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
10340	436396.8	3762943	1.8E-05	6.14E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
10341	436393.2	3762935	1.8E-05	6.13E-05	2.79E-06	1.00E-05	1.51E-06	4.65E-06
10342	436389.5	3762926	1.8E-05	6.12E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
10343	436385.8	3762917	1.79E-05	6.11E-05	2.78E-06	9.98E-06	1.50E-06	4.63E-06
10344	436382.2	3762908	1.79E-05	6.09E-05	2.78E-06	9.95E-06	1.50E-06	4.62E-06

10345	437365.9	3763864	8.99E-06	3.07E-05	1.40E-06	5.01E-06	7.53E-07	2.32E-06
10346	437375.5	3763864	9.02E-06	3.08E-05	1.40E-06	5.03E-06	7.55E-07	2.33E-06
10347	437385.2	3763864	9.06E-06	3.09E-05	1.41E-06	5.05E-06	7.59E-07	2.34E-06
10348	437394.8	3763864	9.1E-06	3.10E-05	1.41E-06	5.07E-06	7.61E-07	2.35E-06
10349	437404.5	3763864	9.13E-06	3.11E-05	1.42E-06	5.09E-06	7.64E-07	2.36E-06
10350	437414.1	3763864	9.15E-06	3.12E-05	1.42E-06	5.10E-06	7.66E-07	2.36E-06
10351	437423.8	3763864	9.17E-06	3.13E-05	1.43E-06	5.11E-06	7.68E-07	2.37E-06
10352	437433.4	3763864	9.19E-06	3.14E-05	1.43E-06	5.12E-06	7.70E-07	2.38E-06
10353	437443.1	3763864	9.22E-06	3.14E-05	1.43E-06	5.13E-06	7.71E-07	2.38E-06
10354	437452.7	3763864	9.24E-06	3.15E-05	1.44E-06	5.15E-06	7.73E-07	2.39E-06
10355	437462.4	3763864	9.26E-06	3.16E-05	1.44E-06	5.16E-06	7.75E-07	2.39E-06
10356	437472	3763864	9.29E-06	3.17E-05	1.44E-06	5.17E-06	7.77E-07	2.40E-06
10357	437481.7	3763864	9.31E-06	3.17E-05	1.45E-06	5.19E-06	7.79E-07	2.41E-06
10358	437491.3	3763863	9.34E-06	3.19E-05	1.45E-06	5.20E-06	7.82E-07	2.41E-06
10359	437501	3763863	9.37E-06	3.20E-05	1.46E-06	5.22E-06	7.84E-07	2.42E-06
10360	437510.6	3763863	9.4E-06	3.20E-05	1.46E-06	5.23E-06	7.87E-07	2.43E-06
10361	437520.3	3763863	9.42E-06	3.21E-05	1.46E-06	5.25E-06	7.89E-07	2.44E-06
10362	437529.9	3763863	9.45E-06	3.22E-05	1.47E-06	5.27E-06	7.91E-07	2.44E-06
10363	437539.6	3763863	9.49E-06	3.23E-05	1.47E-06	5.28E-06	7.94E-07	2.45E-06
10364	437549.2	3763863	9.52E-06	3.25E-05	1.48E-06	5.30E-06	7.97E-07	2.46E-06
10365	437577.6	3763372	3.38E-05	1.15E-04	5.25E-06	1.88E-05	2.83E-06	8.73E-06
10366	437579.6	3763402	2.98E-05	1.02E-04	4.63E-06	1.66E-05	2.49E-06	7.70E-06
10367	437581.5	3763432	2.67E-05	9.09E-05	4.14E-06	1.49E-05	2.23E-06	6.89E-06
10368	437583.5	3763462	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.01E-06	6.22E-06
10369	437586.1	3763502	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
10370	437591.2	3763582	1.73E-05	5.90E-05	2.69E-06	9.64E-06	1.45E-06	4.47E-06
10371	437582.1	3763582	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.43E-06
10372	437593.9	3763622	1.57E-05	5.35E-05	2.44E-06	8.74E-06	1.31E-06	4.06E-06
10373	437584.9	3763622	1.56E-05	5.32E-05	2.43E-06	8.69E-06	1.31E-06	4.03E-06
10374	437596.5	3763662	1.42E-05	4.83E-05	2.20E-06	7.90E-06	1.19E-06	3.66E-06
10375	437584.6	3763662	1.41E-05	4.80E-05	2.19E-06	7.84E-06	1.18E-06	3.64E-06
10376	437599.2	3763702	1.3E-05	4.42E-05	2.02E-06	7.23E-06	1.09E-06	3.35E-06
10377	437587.3	3763702	1.29E-05	4.40E-05	2.00E-06	7.18E-06	1.08E-06	3.33E-06
10378	437575.5	3763702	1.28E-05	4.38E-05	1.99E-06	7.15E-06	1.07E-06	3.32E-06
10379	437563.7	3763703	1.28E-05	4.36E-05	1.99E-06	7.13E-06	1.07E-06	3.31E-06
10380	437601.8	3763742	1.21E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
10381	437590.1	3763742	1.2E-05	4.09E-05	1.86E-06	6.67E-06	1.00E-06	3.10E-06
10382	437578.3	3763742	1.19E-05	4.06E-05	1.85E-06	6.64E-06	9.97E-07	3.08E-06
10383	437566.6	3763743	1.19E-05	4.05E-05	1.84E-06	6.61E-06	9.94E-07	3.07E-06
10384	437604.4	3763781	1.12E-05	3.82E-05	1.74E-06	6.25E-06	9.39E-07	2.90E-06
10385	437592.8	3763782	1.11E-05	3.80E-05	1.73E-06	6.20E-06	9.32E-07	2.88E-06
10386	437581.1	3763782	1.11E-05	3.77E-05	1.72E-06	6.16E-06	9.26E-07	2.86E-06
10387	437569.5	3763783	1.1E-05	3.76E-05	1.71E-06	6.14E-06	9.22E-07	2.85E-06
10388	437606.9	3763821	1.05E-05	3.58E-05	1.63E-06	5.84E-06	8.78E-07	2.71E-06
10389	437597.8	3763822	1.04E-05	3.56E-05	1.62E-06	5.81E-06	8.73E-07	2.69E-06
10390	437588.7	3763822	1.04E-05	3.53E-05	1.61E-06	5.77E-06	8.67E-07	2.68E-06
10391	437579.6	3763822	1.03E-05	3.52E-05	1.60E-06	5.74E-06	8.63E-07	2.66E-06
10392	437570.4	3763823	1.03E-05	3.50E-05	1.59E-06	5.71E-06	8.59E-07	2.65E-06
10393	437561.3	3763823	1.02E-05	3.48E-05	1.59E-06	5.69E-06	8.55E-07	2.64E-06
10394	437609.6	3763861	9.83E-06	3.35E-05	1.53E-06	5.48E-06	8.23E-07	2.54E-06
10395	437600.5	3763862	9.78E-06	3.33E-05	1.52E-06	5.45E-06	8.18E-07	2.53E-06
10396	437591.5	3763862	9.72E-06	3.31E-05	1.51E-06	5.41E-06	8.13E-07	2.51E-06

10397	437582.4	3763862	9.67E-06	3.30E-05	1.50E-06	5.38E-06	8.09E-07	2.50E-06
10398	437573.4	3763863	9.62E-06	3.28E-05	1.49E-06	5.36E-06	8.05E-07	2.48E-06
10399	437564.3	3763863	9.58E-06	3.27E-05	1.49E-06	5.34E-06	8.02E-07	2.47E-06
10400	438571.8	3763104	9.17E-05	3.13E-04	1.42E-05	5.11E-05	7.67E-06	2.37E-05
10401	439040.9	3762827	3.82E-05	1.30E-04	5.94E-06	2.13E-05	3.20E-06	9.88E-06
10402	439034.6	3762789	3.72E-05	1.27E-04	5.78E-06	2.07E-05	3.11E-06	9.61E-06
10403	439031.1	3762754	3.61E-05	1.23E-04	5.61E-06	2.01E-05	3.02E-06	9.33E-06
10404	439067.5	3762824	3.69E-05	1.26E-04	5.73E-06	2.06E-05	3.09E-06	9.53E-06
10405	439087.9	3762821	3.59E-05	1.23E-04	5.58E-06	2.00E-05	3.01E-06	9.29E-06
10406	439128.5	3762787	3.33E-05	1.13E-04	5.17E-06	1.85E-05	2.78E-06	8.59E-06
10407	439099.1	3762753	3.33E-05	1.14E-04	5.18E-06	1.86E-05	2.79E-06	8.61E-06
10408	439061.2	3762757	3.49E-05	1.19E-04	5.43E-06	1.95E-05	2.92E-06	9.03E-06
10409	438582.1	3763253	8.31E-05	2.83E-04	1.29E-05	4.63E-05	6.96E-06	2.15E-05
10410	438605.2	3763254	8.04E-05	2.74E-04	1.25E-05	4.48E-05	6.73E-06	2.08E-05
10411	438634	3763256	7.72E-05	2.63E-04	1.20E-05	4.30E-05	6.46E-06	1.99E-05
10412	438655	3763256	7.51E-05	2.56E-04	1.17E-05	4.18E-05	6.28E-06	1.94E-05
10413	438669	3763250	7.37E-05	2.51E-04	1.14E-05	4.10E-05	6.17E-06	1.90E-05
10414	438687.9	3763261	7.13E-05	2.43E-04	1.11E-05	3.97E-05	5.96E-06	1.84E-05
10415	438687.9	3763249	7.18E-05	2.45E-04	1.12E-05	4.00E-05	6.01E-06	1.86E-05
10416	438688.6	3763216	7.32E-05	2.50E-04	1.14E-05	4.08E-05	6.12E-06	1.89E-05
10417	438716.7	3763217	7.02E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
10418	438721.6	3763197	7.01E-05	2.39E-04	1.09E-05	3.91E-05	5.87E-06	1.81E-05
10419	438722.3	3763173	7.05E-05	2.40E-04	1.10E-05	3.93E-05	5.90E-06	1.82E-05
10420	438725.1	3763151	7.05E-05	2.40E-04	1.09E-05	3.92E-05	5.90E-06	1.82E-05
10421	438711.1	3763121	7.21E-05	2.46E-04	1.12E-05	4.02E-05	6.04E-06	1.86E-05
10422	438683	3763115	7.55E-05	2.57E-04	1.17E-05	4.20E-05	6.32E-06	1.95E-05
10423	438697.8	3763097	7.36E-05	2.51E-04	1.14E-05	4.10E-05	6.16E-06	1.90E-05
10424	438640.3	3763092	8.11E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05

	Max Yr	**2**	T2	T2L3	T4f
	Row	**19**	1.60E-01	2.61E-02	1.21E-02
		Col	**3**	**4**	**5**
		Adjustment	**100%**	**16%**	**8%**
	UTM X	UTM Y	Year 2	Year 2	Year 2
1	437577	3762904	5.61E-02	9.17E-03	4.25E-03
2	437583.4	3762912	4.74E-02	7.75E-03	3.59E-03
3	437619.9	3762959	2.13E-02	3.48E-03	1.61E-03
4	437608.3	3762964	1.94E-02	3.17E-03	1.47E-03
5	437596.7	3762968	1.75E-02	2.86E-03	1.33E-03
6	437585.1	3762973	1.56E-02	2.55E-03	1.18E-03
7	437632	3762975	1.71E-02	2.80E-03	1.30E-03
8	437619.9	3762980	1.56E-02	2.54E-03	1.18E-03
9	437607.8	3762984	1.40E-02	2.29E-03	1.06E-03
10	437595.7	3762989	1.25E-02	2.04E-03	9.45E-04
11	437583.6	3762994	1.11E-02	1.81E-03	8.39E-04
12	437644.3	3762991	1.40E-02	2.29E-03	1.06E-03
13	437632.4	3762996	1.28E-02	2.10E-03	9.73E-04
14	437620.4	3763000	1.16E-02	1.90E-03	8.81E-04
15	437608.5	3763005	1.05E-02	1.71E-03	7.92E-04
16	437596.5	3763009	9.35E-03	1.53E-03	7.08E-04
17	437584.6	3763014	8.32E-03	1.36E-03	6.31E-04
18	437656.6	3763007	1.17E-02	1.92E-03	8.89E-04
19	437644.8	3763011	1.08E-02	1.76E-03	8.18E-04
20	437633	3763016	9.83E-03	1.61E-03	7.45E-04
21	437621.1	3763020	8.88E-03	1.45E-03	6.73E-04
22	437609.3	3763025	7.99E-03	1.31E-03	6.06E-04
23	437597.5	3763029	7.18E-03	1.17E-03	5.44E-04
24	437585.7	3763034	6.45E-03	1.05E-03	4.89E-04
25	437620.1	3763041	6.76E-03	1.11E-03	5.13E-04
26	437607.9	3763046	6.10E-03	9.97E-04	4.62E-04
27	437595.8	3763050	5.51E-03	9.00E-04	4.18E-04
28	437583.6	3763055	4.98E-03	8.13E-04	3.77E-04
29	437644.9	3763052	6.43E-03	1.05E-03	4.87E-04
30	437632.9	3763057	5.85E-03	9.55E-04	4.43E-04
31	437620.8	3763061	5.32E-03	8.69E-04	4.03E-04
32	437608.8	3763066	4.84E-03	7.91E-04	3.67E-04
33	437596.7	3763070	4.40E-03	7.18E-04	3.33E-04
34	437584.7	3763075	4.00E-03	6.53E-04	3.03E-04
35	437693.4	3763054	7.08E-03	1.16E-03	5.36E-04
36	437681.4	3763059	6.57E-03	1.07E-03	4.98E-04
37	437669.5	3763063	6.07E-03	9.92E-04	4.60E-04
38	437657.5	3763068	5.56E-03	9.09E-04	4.21E-04
39	437645.6	3763072	5.08E-03	8.30E-04	3.85E-04
40	437633.6	3763077	4.64E-03	7.58E-04	3.52E-04
41	437621.7	3763081	4.25E-03	6.95E-04	3.22E-04
42	437609.7	3763086	3.90E-03	6.36E-04	2.95E-04
43	437597.8	3763091	3.55E-03	5.80E-04	2.69E-04
44	437585.8	3763095	3.25E-03	5.31E-04	2.46E-04
45	437705.6	3763070	6.11E-03	9.98E-04	4.63E-04
46	437693.4	3763075	5.66E-03	9.24E-04	4.29E-04

47	437681.2	3763079	5.23E-03	8.54E-04	3.96E-04
48	437668.9	3763084	4.82E-03	7.88E-04	3.65E-04
49	437656.7	3763089	4.42E-03	7.22E-04	3.35E-04
50	437644.5	3763093	4.04E-03	6.60E-04	3.06E-04
51	437632.3	3763098	3.70E-03	6.05E-04	2.80E-04
52	437620.1	3763103	3.39E-03	5.54E-04	2.57E-04
53	437607.9	3763107	3.10E-03	5.07E-04	2.35E-04
54	437595.7	3763112	2.84E-03	4.65E-04	2.16E-04
55	437705.8	3763090	4.97E-03	8.12E-04	3.77E-04
56	437693.6	3763095	4.61E-03	7.53E-04	3.49E-04
57	437681.5	3763100	4.26E-03	6.97E-04	3.23E-04
58	437669.4	3763104	3.93E-03	6.42E-04	2.98E-04
59	437657.3	3763109	3.61E-03	5.90E-04	2.74E-04
60	437645.2	3763113	3.31E-03	5.41E-04	2.51E-04
61	437633.1	3763118	3.03E-03	4.96E-04	2.30E-04
62	437706.1	3763111	4.11E-03	6.71E-04	3.11E-04
63	437694.1	3763115	3.81E-03	6.22E-04	2.88E-04
64	437682.1	3763120	3.51E-03	5.74E-04	2.66E-04
65	437670	3763124	3.24E-03	5.30E-04	2.46E-04
66	437621.9	3763143	2.32E-03	3.78E-04	1.76E-04
67	437609.9	3763147	2.14E-03	3.50E-04	1.62E-04
68	437597.9	3763152	2.00E-03	3.27E-04	1.52E-04
69	437585.9	3763156	1.88E-03	3.07E-04	1.42E-04
70	437748.5	3763125	3.94E-03	6.44E-04	2.99E-04
71	437628	3763171	1.88E-03	3.08E-04	1.43E-04
72	437616	3763176	1.75E-03	2.87E-04	1.33E-04
73	437603.9	3763180	1.65E-03	2.69E-04	1.25E-04
74	437591.9	3763185	1.55E-03	2.54E-04	1.18E-04
75	437579.8	3763189	1.47E-03	2.39E-04	1.11E-04
76	437766.9	3763149	3.34E-03	5.46E-04	2.53E-04
77	437754.9	3763154	3.13E-03	5.11E-04	2.37E-04
78	437742.8	3763158	2.93E-03	4.79E-04	2.22E-04
79	437730.7	3763163	2.74E-03	4.48E-04	2.08E-04
80	437718.6	3763167	2.56E-03	4.18E-04	1.94E-04
81	437706.6	3763172	2.39E-03	3.91E-04	1.81E-04
82	437694.5	3763177	2.22E-03	3.63E-04	1.68E-04
83	437682.4	3763181	2.06E-03	3.36E-04	1.56E-04
84	437670.3	3763186	1.91E-03	3.13E-04	1.45E-04
85	437658.3	3763190	1.78E-03	2.91E-04	1.35E-04
86	437622.1	3763204	1.46E-03	2.39E-04	1.11E-04
87	437610	3763209	1.38E-03	2.26E-04	1.05E-04
88	437597.9	3763213	1.31E-03	2.14E-04	9.91E-05
89	437585.8	3763218	1.24E-03	2.02E-04	9.39E-05
90	437785.3	3763173	2.88E-03	4.70E-04	2.18E-04
91	437773.2	3763177	2.70E-03	4.41E-04	2.05E-04
92	437761.1	3763182	2.52E-03	4.12E-04	1.91E-04
93	437749	3763187	2.36E-03	3.86E-04	1.79E-04
94	437736.9	3763191	2.21E-03	3.60E-04	1.67E-04
95	437724.9	3763196	2.06E-03	3.37E-04	1.56E-04
96	437712.8	3763200	1.93E-03	3.15E-04	1.46E-04
97	437700.7	3763205	1.80E-03	2.95E-04	1.37E-04
98	437688.6	3763209	1.69E-03	2.76E-04	1.28E-04

99	437676.5	3763214	1.58E-03	2.58E-04	1.20E-04
100	437664.4	3763219	1.48E-03	2.42E-04	1.12E-04
101	437628.1	3763232	1.24E-03	2.03E-04	9.41E-05
102	437616	3763237	1.18E-03	1.92E-04	8.91E-05
103	437603.9	3763242	1.12E-03	1.82E-04	8.46E-05
104	437591.9	3763246	1.06E-03	1.73E-04	8.05E-05
105	437579.8	3763251	1.01E-03	1.65E-04	7.67E-05
106	437791.6	3763201	2.37E-03	3.87E-04	1.79E-04
107	437779.5	3763206	2.22E-03	3.62E-04	1.68E-04
108	437767.4	3763210	2.07E-03	3.38E-04	1.57E-04
109	437755.3	3763215	1.93E-03	3.16E-04	1.46E-04
110	437743.2	3763219	1.78E-03	2.90E-04	1.35E-04
111	437670.5	3763247	1.25E-03	2.05E-04	9.49E-05
112	437658.4	3763252	1.18E-03	1.93E-04	8.97E-05
113	437646.3	3763256	1.12E-03	1.83E-04	8.49E-05
114	437634.2	3763261	1.06E-03	1.74E-04	8.05E-05
115	437622.1	3763265	1.01E-03	1.65E-04	7.65E-05
116	437610	3763270	9.61E-04	1.57E-04	7.28E-05
117	437597.9	3763275	9.17E-04	1.50E-04	6.95E-05
118	437585.8	3763279	8.77E-04	1.43E-04	6.64E-05
119	437749.4	3763248	1.48E-03	2.41E-04	1.12E-04
120	437737.2	3763252	1.38E-03	2.26E-04	1.05E-04
121	437725.1	3763257	1.30E-03	2.13E-04	9.87E-05
122	437713	3763262	1.23E-03	2.01E-04	9.35E-05
123	437700.9	3763266	1.19E-03	1.94E-04	9.01E-05
124	437688.8	3763271	1.13E-03	1.84E-04	8.55E-05
125	437676.6	3763275	1.07E-03	1.75E-04	8.11E-05
126	437664.5	3763280	1.02E-03	1.66E-04	7.70E-05
127	437652.4	3763285	9.63E-04	1.57E-04	7.30E-05
128	437640.3	3763289	9.14E-04	1.49E-04	6.93E-05
129	437628.1	3763294	8.72E-04	1.43E-04	6.61E-05
130	437616	3763298	8.34E-04	1.36E-04	6.32E-05
131	437603.9	3763303	7.93E-04	1.29E-04	6.01E-05
132	437591.8	3763308	7.67E-04	1.25E-04	5.82E-05
133	437840.5	3763244	1.94E-03	3.17E-04	1.47E-04
134	437828.3	3763248	1.84E-03	3.00E-04	1.39E-04
135	437816.2	3763253	1.73E-03	2.83E-04	1.31E-04
136	437804.1	3763258	1.63E-03	2.66E-04	1.23E-04
137	437791.9	3763262	1.53E-03	2.50E-04	1.16E-04
138	437779.8	3763267	1.41E-03	2.31E-04	1.07E-04
139	437767.7	3763272	1.32E-03	2.16E-04	1.00E-04
140	437755.5	3763276	1.24E-03	2.03E-04	9.43E-05
141	437743.4	3763281	1.18E-03	1.92E-04	8.92E-05
142	437731.3	3763285	1.14E-03	1.86E-04	8.62E-05
143	437719.1	3763290	1.08E-03	1.76E-04	8.18E-05
144	437707	3763295	1.03E-03	1.68E-04	7.79E-05
145	437694.9	3763299	9.78E-04	1.60E-04	7.41E-05
146	437682.7	3763304	9.29E-04	1.52E-04	7.04E-05
147	437670.6	3763308	8.84E-04	1.44E-04	6.70E-05
148	437658.5	3763313	8.41E-04	1.37E-04	6.37E-05
149	437646.3	3763318	8.02E-04	1.31E-04	6.08E-05
150	437585.7	3763341	6.61E-04	1.08E-04	5.01E-05

151	437858.9	3763268	1.72E-03	2.80E-04	1.30E-04
152	437846.7	3763272	1.63E-03	2.66E-04	1.23E-04
153	437834.6	3763277	1.54E-03	2.52E-04	1.17E-04
154	437822.4	3763281	1.46E-03	2.38E-04	1.10E-04
155	437810.3	3763286	1.37E-03	2.24E-04	1.04E-04
156	437798.1	3763291	1.30E-03	2.12E-04	9.82E-05
157	437786	3763295	1.20E-03	1.96E-04	9.09E-05
158	437773.9	3763300	1.13E-03	1.84E-04	8.55E-05
159	437761.7	3763304	1.06E-03	1.74E-04	8.06E-05
160	437749.6	3763309	1.01E-03	1.65E-04	7.68E-05
161	437737.4	3763314	9.84E-04	1.61E-04	7.46E-05
162	437725.3	3763318	9.39E-04	1.53E-04	7.12E-05
163	437664.6	3763341	7.43E-04	1.21E-04	5.63E-05
164	437652.4	3763346	7.13E-04	1.16E-04	5.40E-05
165	437640.3	3763351	6.85E-04	1.12E-04	5.19E-05
166	437628.1	3763355	6.60E-04	1.08E-04	5.00E-05
167	437616	3763360	6.36E-04	1.04E-04	4.82E-05
168	437603.8	3763364	6.14E-04	1.00E-04	4.65E-05
169	437591.7	3763369	5.93E-04	9.70E-05	4.50E-05
170	437877.3	3763291	1.54E-03	2.51E-04	1.17E-04
171	437865.1	3763296	1.46E-03	2.38E-04	1.11E-04
172	437853	3763301	1.38E-03	2.26E-04	1.05E-04
173	437840.8	3763305	1.31E-03	2.14E-04	9.91E-05
174	437828.6	3763310	1.21E-03	1.98E-04	9.20E-05
175	437816.5	3763314	1.14E-03	1.87E-04	8.67E-05
176	437804.3	3763319	1.08E-03	1.77E-04	8.19E-05
177	437743.6	3763342	8.38E-04	1.37E-04	6.35E-05
178	437731.4	3763347	8.15E-04	1.33E-04	6.17E-05
179	437719.3	3763351	7.79E-04	1.27E-04	5.90E-05
180	437694.9	3763360	7.16E-04	1.17E-04	5.43E-05
181	437682.8	3763365	6.87E-04	1.12E-04	5.21E-05
182	437670.6	3763370	6.60E-04	1.08E-04	5.00E-05
183	437658.5	3763374	6.35E-04	1.04E-04	4.81E-05
184	437646.3	3763379	6.12E-04	1.00E-04	4.64E-05
185	437634.2	3763384	5.91E-04	9.66E-05	4.48E-05
186	437622	3763388	5.71E-04	9.33E-05	4.33E-05
187	437609.9	3763393	5.51E-04	9.00E-05	4.18E-05
188	437597.7	3763397	5.33E-04	8.70E-05	4.04E-05
189	437895.7	3763315	1.39E-03	2.26E-04	1.05E-04
190	437883.5	3763320	1.32E-03	2.15E-04	9.97E-05
191	437834.8	3763338	1.04E-03	1.71E-04	7.91E-05
192	437822.7	3763343	9.86E-04	1.61E-04	7.47E-05
193	437810.5	3763347	9.34E-04	1.53E-04	7.08E-05
194	437798.3	3763352	8.87E-04	1.45E-04	6.72E-05
195	437786.2	3763357	8.42E-04	1.38E-04	6.38E-05
196	437774	3763361	8.02E-04	1.31E-04	6.08E-05
197	437761.9	3763366	7.66E-04	1.25E-04	5.81E-05
198	437749.7	3763370	7.35E-04	1.20E-04	5.57E-05
199	437737.5	3763375	7.06E-04	1.15E-04	5.35E-05
200	437725.4	3763380	6.89E-04	1.13E-04	5.22E-05
201	437688.9	3763393	6.14E-04	1.00E-04	4.66E-05
202	437676.7	3763398	5.93E-04	9.69E-05	4.49E-05

203	437664.5	3763403	5.73E-04	9.37E-05	4.34E-05
204	437652.4	3763407	5.54E-04	9.06E-05	4.20E-05
205	437640.2	3763412	5.37E-04	8.76E-05	4.07E-05
206	437628.1	3763417	5.16E-04	8.44E-05	3.91E-05
207	437615.9	3763421	4.98E-04	8.13E-05	3.77E-05
208	437603.7	3763426	4.79E-04	7.82E-05	3.63E-05
209	437591.6	3763430	4.63E-04	7.57E-05	3.51E-05
210	437914	3763339	1.24E-03	2.02E-04	9.37E-05
211	437901.9	3763343	1.17E-03	1.91E-04	8.88E-05
212	437889.7	3763348	1.11E-03	1.81E-04	8.42E-05
213	437877.5	3763353	1.05E-03	1.72E-04	7.99E-05
214	437865.4	3763357	1.00E-03	1.64E-04	7.60E-05
215	437853.2	3763362	9.54E-04	1.56E-04	7.23E-05
216	437841	3763366	9.03E-04	1.47E-04	6.84E-05
217	437828.8	3763371	8.54E-04	1.39E-04	6.47E-05
218	437816.7	3763376	8.09E-04	1.32E-04	6.13E-05
219	437804.5	3763380	7.70E-04	1.26E-04	5.83E-05
220	437792.3	3763385	7.34E-04	1.20E-04	5.56E-05
221	437780.2	3763390	7.03E-04	1.15E-04	5.33E-05
222	437768	3763394	6.76E-04	1.10E-04	5.12E-05
223	437755.8	3763399	6.51E-04	1.06E-04	4.93E-05
224	437743.6	3763403	6.26E-04	1.02E-04	4.74E-05
225	437731.5	3763408	6.02E-04	9.83E-05	4.56E-05
226	437719.3	3763413	5.82E-04	9.51E-05	4.41E-05
227	437695	3763422	5.51E-04	9.01E-05	4.18E-05
228	437682.8	3763426	5.34E-04	8.73E-05	4.05E-05
229	437670.6	3763431	5.19E-04	8.48E-05	3.93E-05
230	437658.4	3763436	5.01E-04	8.19E-05	3.80E-05
231	437646.3	3763440	4.85E-04	7.92E-05	3.67E-05
232	437634.1	3763445	4.68E-04	7.64E-05	3.55E-05
233	437621.9	3763450	4.50E-04	7.35E-05	3.41E-05
234	437609.8	3763454	4.35E-04	7.11E-05	3.30E-05
235	437597.6	3763459	4.22E-04	6.90E-05	3.20E-05
236	437938.6	3763370	1.09E-03	1.78E-04	8.25E-05
237	437926.5	3763375	1.03E-03	1.69E-04	7.84E-05
238	437914.4	3763379	9.84E-04	1.61E-04	7.46E-05
239	437902.3	3763384	9.37E-04	1.53E-04	7.10E-05
240	437890.2	3763389	8.91E-04	1.46E-04	6.75E-05
241	437878.2	3763393	8.49E-04	1.39E-04	6.43E-05
242	437866.1	3763398	8.08E-04	1.32E-04	6.13E-05
243	437854	3763402	7.71E-04	1.26E-04	5.84E-05
244	437841.9	3763407	7.34E-04	1.20E-04	5.56E-05
245	437829.8	3763412	6.98E-04	1.14E-04	5.29E-05
246	437817.7	3763416	6.63E-04	1.08E-04	5.03E-05
247	437805.6	3763421	6.33E-04	1.03E-04	4.79E-05
248	437745.2	3763444	5.25E-04	8.58E-05	3.98E-05
249	437733.1	3763448	5.09E-04	8.32E-05	3.86E-05
250	437721	3763453	4.95E-04	8.08E-05	3.75E-05
251	437696.9	3763462	4.68E-04	7.65E-05	3.55E-05
252	437684.8	3763467	4.54E-04	7.42E-05	3.44E-05
253	437672.7	3763471	4.41E-04	7.20E-05	3.34E-05
254	437660.6	3763476	4.28E-04	6.99E-05	3.24E-05

255	437648.5	3763480	4.15E-04	6.79E-05	3.15E-05
256	437636.4	3763485	4.03E-04	6.59E-05	3.06E-05
257	437624.3	3763490	3.92E-04	6.41E-05	2.97E-05
258	437612.2	3763494	3.82E-04	6.23E-05	2.89E-05
259	437600.2	3763499	3.72E-04	6.07E-05	2.82E-05
260	437951	3763406	9.11E-04	1.49E-04	6.90E-05
261	437938.8	3763411	8.71E-04	1.42E-04	6.60E-05
262	437926.7	3763416	8.32E-04	1.36E-04	6.31E-05
263	437914.5	3763420	7.95E-04	1.30E-04	6.03E-05
264	437853.8	3763443	6.25E-04	1.02E-04	4.74E-05
265	437841.7	3763448	5.98E-04	9.76E-05	4.53E-05
266	437829.5	3763453	5.72E-04	9.35E-05	4.34E-05
267	437817.4	3763457	5.49E-04	8.97E-05	4.16E-05
268	437805.2	3763462	5.29E-04	8.64E-05	4.01E-05
269	437793.1	3763466	5.10E-04	8.34E-05	3.87E-05
270	437780.9	3763471	4.93E-04	8.06E-05	3.74E-05
271	437768.8	3763476	4.78E-04	7.81E-05	3.62E-05
272	437756.6	3763480	4.64E-04	7.58E-05	3.51E-05
273	437744.5	3763485	4.51E-04	7.37E-05	3.42E-05
274	437732.4	3763489	4.40E-04	7.18E-05	3.33E-05
275	437720.2	3763494	4.28E-04	6.99E-05	3.24E-05
276	437695.9	3763503	4.05E-04	6.61E-05	3.07E-05
277	437683.8	3763508	3.94E-04	6.44E-05	2.99E-05
278	437671.6	3763513	3.84E-04	6.27E-05	2.91E-05
279	437659.5	3763517	3.73E-04	6.10E-05	2.83E-05
280	437647.3	3763522	3.63E-04	5.94E-05	2.75E-05
281	437635.2	3763526	3.54E-04	5.78E-05	2.68E-05
282	437987.6	3763433	8.54E-04	1.39E-04	6.47E-05
283	437951	3763447	7.44E-04	1.22E-04	5.64E-05
284	437938.8	3763452	7.11E-04	1.16E-04	5.39E-05
285	437926.6	3763457	6.81E-04	1.11E-04	5.16E-05
286	437914.4	3763461	6.55E-04	1.07E-04	4.96E-05
287	437902.2	3763466	6.28E-04	1.03E-04	4.76E-05
288	437890	3763471	6.00E-04	9.80E-05	4.55E-05
289	437877.8	3763475	5.74E-04	9.38E-05	4.35E-05
290	437865.6	3763480	5.50E-04	8.98E-05	4.17E-05
291	437853.5	3763484	5.26E-04	8.60E-05	3.99E-05
292	437841.3	3763489	5.05E-04	8.25E-05	3.83E-05
293	437829.1	3763494	4.86E-04	7.94E-05	3.68E-05
294	437816.9	3763498	4.69E-04	7.66E-05	3.55E-05
295	437804.7	3763503	4.54E-04	7.42E-05	3.44E-05
296	437792.5	3763508	4.40E-04	7.19E-05	3.34E-05
297	437780.3	3763512	4.28E-04	7.00E-05	3.24E-05
298	437768.1	3763517	4.17E-04	6.80E-05	3.16E-05
299	437755.9	3763521	4.05E-04	6.62E-05	3.07E-05
300	437743.7	3763526	3.94E-04	6.44E-05	2.99E-05
301	437731.5	3763531	3.84E-04	6.27E-05	2.91E-05
302	437682.7	3763549	3.48E-04	5.69E-05	2.64E-05
303	437670.5	3763554	3.40E-04	5.55E-05	2.58E-05
304	437658.3	3763558	3.32E-04	5.42E-05	2.51E-05
305	437646.1	3763563	3.24E-04	5.30E-05	2.46E-05
306	437633.9	3763568	3.17E-04	5.17E-05	2.40E-05

307	437621.7	3763572	3.10E-04	5.06E-05	2.35E-05
308	437609.5	3763577	3.03E-04	4.95E-05	2.30E-05
309	438012.2	3763465	7.73E-04	1.26E-04	5.86E-05
310	438000	3763470	7.43E-04	1.21E-04	5.63E-05
311	437987.9	3763474	7.10E-04	1.16E-04	5.38E-05
312	437951.5	3763488	6.25E-04	1.02E-04	4.73E-05
313	437939.4	3763493	6.02E-04	9.83E-05	4.56E-05
314	437927.3	3763497	5.92E-04	9.67E-05	4.48E-05
315	437915.2	3763502	5.69E-04	9.30E-05	4.31E-05
316	437903	3763506	5.46E-04	8.93E-05	4.14E-05
317	437890.9	3763511	5.13E-04	8.38E-05	3.89E-05
318	437878.8	3763516	4.92E-04	8.04E-05	3.73E-05
319	437866.7	3763520	4.72E-04	7.71E-05	3.58E-05
320	437854.6	3763525	4.53E-04	7.40E-05	3.43E-05
321	437842.4	3763530	4.37E-04	7.13E-05	3.31E-05
322	437830.3	3763534	4.22E-04	6.90E-05	3.20E-05
323	437769.7	3763557	3.67E-04	6.00E-05	2.78E-05
324	437757.6	3763562	3.57E-04	5.84E-05	2.71E-05
325	437745.4	3763566	3.48E-04	5.69E-05	2.64E-05
326	437733.3	3763571	3.40E-04	5.56E-05	2.58E-05
327	437721.2	3763576	3.33E-04	5.44E-05	2.52E-05
328	437709.1	3763580	3.26E-04	5.32E-05	2.47E-05
329	437696.9	3763585	3.19E-04	5.21E-05	2.42E-05
330	437684.8	3763589	3.12E-04	5.10E-05	2.36E-05
331	437672.7	3763594	3.05E-04	4.99E-05	2.31E-05
332	437660.6	3763599	2.98E-04	4.87E-05	2.26E-05
333	437648.4	3763603	2.91E-04	4.76E-05	2.21E-05
334	437636.3	3763608	2.85E-04	4.65E-05	2.16E-05
335	437624.2	3763612	2.79E-04	4.56E-05	2.11E-05
336	437612.1	3763617	2.74E-04	4.47E-05	2.08E-05
337	438036.7	3763497	6.97E-04	1.14E-04	5.28E-05
338	438024.5	3763501	6.70E-04	1.09E-04	5.08E-05
339	438012.3	3763506	6.44E-04	1.05E-04	4.88E-05
340	438000.2	3763511	6.18E-04	1.01E-04	4.69E-05
341	437988	3763515	5.95E-04	9.71E-05	4.51E-05
342	437951.5	3763529	5.44E-04	8.89E-05	4.12E-05
343	437939.3	3763534	5.24E-04	8.56E-05	3.97E-05
344	437927.1	3763538	5.03E-04	8.22E-05	3.81E-05
345	437878.4	3763557	4.21E-04	6.88E-05	3.19E-05
346	437866.3	3763561	4.06E-04	6.64E-05	3.08E-05
347	437854.1	3763566	3.93E-04	6.42E-05	2.98E-05
348	437841.9	3763571	3.82E-04	6.23E-05	2.89E-05
349	437829.8	3763575	3.71E-04	6.06E-05	2.81E-05
350	437817.6	3763580	3.61E-04	5.90E-05	2.74E-05
351	437805.4	3763584	3.51E-04	5.74E-05	2.66E-05
352	437793.2	3763589	3.42E-04	5.59E-05	2.59E-05
353	437781.1	3763594	3.33E-04	5.44E-05	2.52E-05
354	437768.9	3763598	3.25E-04	5.31E-05	2.46E-05
355	437756.7	3763603	3.18E-04	5.19E-05	2.41E-05
356	437744.6	3763608	3.11E-04	5.09E-05	2.36E-05
357	437732.4	3763612	3.05E-04	4.98E-05	2.31E-05
358	437720.2	3763617	2.99E-04	4.88E-05	2.26E-05

359	437708	3763621	2.92E-04	4.78E-05	2.22E-05
360	437695.9	3763626	2.86E-04	4.67E-05	2.17E-05
361	437683.7	3763631	2.79E-04	4.56E-05	2.12E-05
362	437671.5	3763635	2.72E-04	4.45E-05	2.06E-05
363	437659.4	3763640	2.66E-04	4.35E-05	2.02E-05
364	437647.2	3763645	2.60E-04	4.26E-05	1.97E-05
365	437635	3763649	2.55E-04	4.17E-05	1.93E-05
366	437622.8	3763654	2.50E-04	4.09E-05	1.90E-05
367	437610.7	3763658	2.46E-04	4.01E-05	1.86E-05
368	438061.2	3763528	6.31E-04	1.03E-04	4.78E-05
369	438049.1	3763533	6.05E-04	9.88E-05	4.58E-05
370	438037	3763537	5.79E-04	9.46E-05	4.39E-05
371	437952.3	3763570	4.47E-04	7.31E-05	3.39E-05
372	437940.1	3763574	4.33E-04	7.07E-05	3.28E-05
373	437928	3763579	4.18E-04	6.83E-05	3.17E-05
374	437915.9	3763583	4.05E-04	6.61E-05	3.07E-05
375	437903.8	3763588	3.92E-04	6.41E-05	2.97E-05
376	437891.7	3763593	3.80E-04	6.21E-05	2.88E-05
377	437879.6	3763597	3.69E-04	6.03E-05	2.80E-05
378	437867.5	3763602	3.58E-04	5.85E-05	2.71E-05
379	437855.4	3763606	3.48E-04	5.68E-05	2.64E-05
380	437843.3	3763611	3.38E-04	5.53E-05	2.56E-05
381	437831.2	3763616	3.30E-04	5.38E-05	2.50E-05
382	437819.1	3763620	3.21E-04	5.25E-05	2.43E-05
383	437807	3763625	3.14E-04	5.13E-05	2.38E-05
384	437794.9	3763629	3.07E-04	5.02E-05	2.33E-05
385	437782.8	3763634	3.01E-04	4.91E-05	2.28E-05
386	437770.6	3763639	2.94E-04	4.81E-05	2.23E-05
387	437758.5	3763643	2.88E-04	4.71E-05	2.19E-05
388	437746.4	3763648	2.83E-04	4.62E-05	2.14E-05
389	437734.3	3763652	2.78E-04	4.54E-05	2.10E-05
390	437722.2	3763657	2.72E-04	4.44E-05	2.06E-05
391	437710.1	3763662	2.66E-04	4.34E-05	2.01E-05
392	437698	3763666	2.60E-04	4.25E-05	1.97E-05
393	437685.9	3763671	2.54E-04	4.15E-05	1.93E-05
394	437613.3	3763698	2.25E-04	3.67E-05	1.70E-05
395	438085.7	3763560	5.66E-04	9.25E-05	4.29E-05
396	438073.6	3763564	5.44E-04	8.89E-05	4.12E-05
397	438061.4	3763569	5.23E-04	8.55E-05	3.97E-05
398	438049.3	3763574	5.03E-04	8.22E-05	3.81E-05
399	438037.1	3763578	4.84E-04	7.91E-05	3.67E-05
400	438025	3763583	4.66E-04	7.61E-05	3.53E-05
401	438012.8	3763588	4.49E-04	7.33E-05	3.40E-05
402	438000.7	3763592	4.33E-04	7.07E-05	3.28E-05
403	437988.5	3763597	4.19E-04	6.85E-05	3.18E-05
404	437952.1	3763611	3.84E-04	6.27E-05	2.91E-05
405	437939.9	3763615	3.74E-04	6.10E-05	2.83E-05
406	437927.8	3763620	3.63E-04	5.94E-05	2.75E-05
407	437915.6	3763624	3.54E-04	5.79E-05	2.69E-05
408	437903.5	3763629	3.45E-04	5.64E-05	2.62E-05
409	437891.3	3763634	3.37E-04	5.50E-05	2.55E-05
410	437879.2	3763638	3.28E-04	5.36E-05	2.49E-05

411	437867	3763643	3.19E-04	5.21E-05	2.42E-05
412	437854.9	3763648	3.10E-04	5.07E-05	2.35E-05
413	437842.7	3763652	3.03E-04	4.94E-05	2.29E-05
414	437830.6	3763657	2.96E-04	4.84E-05	2.24E-05
415	437818.4	3763661	2.90E-04	4.74E-05	2.20E-05
416	437806.3	3763666	2.84E-04	4.64E-05	2.15E-05
417	437794.1	3763671	2.78E-04	4.54E-05	2.10E-05
418	437721.2	3763698	2.47E-04	4.04E-05	1.87E-05
419	437709.1	3763703	2.43E-04	3.96E-05	1.84E-05
420	437696.9	3763707	2.38E-04	3.89E-05	1.80E-05
421	437684.8	3763712	2.33E-04	3.81E-05	1.77E-05
422	437672.6	3763717	2.28E-04	3.73E-05	1.73E-05
423	437660.5	3763721	2.24E-04	3.65E-05	1.69E-05
424	437648.3	3763726	2.19E-04	3.58E-05	1.66E-05
425	437636.1	3763731	2.15E-04	3.51E-05	1.63E-05
426	437624	3763735	2.11E-04	3.45E-05	1.60E-05
427	437611.8	3763740	2.07E-04	3.39E-05	1.57E-05
428	438110.2	3763591	5.20E-04	8.50E-05	3.94E-05
429	438098.1	3763596	5.01E-04	8.19E-05	3.80E-05
430	438085.9	3763601	4.83E-04	7.89E-05	3.66E-05
431	438073.7	3763605	4.65E-04	7.59E-05	3.52E-05
432	438061.5	3763610	4.47E-04	7.31E-05	3.39E-05
433	438049.3	3763615	4.31E-04	7.04E-05	3.27E-05
434	438037.1	3763619	4.16E-04	6.79E-05	3.15E-05
435	438024.9	3763624	4.02E-04	6.56E-05	3.04E-05
436	438012.7	3763628	3.90E-04	6.36E-05	2.95E-05
437	438000.5	3763633	3.79E-04	6.18E-05	2.87E-05
438	437988.3	3763638	3.69E-04	6.02E-05	2.79E-05
439	437951.8	3763652	3.42E-04	5.59E-05	2.59E-05
440	437939.6	3763656	3.33E-04	5.45E-05	2.53E-05
441	437927.4	3763661	3.24E-04	5.30E-05	2.46E-05
442	437915.2	3763666	3.16E-04	5.17E-05	2.40E-05
443	437903	3763670	3.08E-04	5.04E-05	2.34E-05
444	437829.9	3763698	2.69E-04	4.39E-05	2.04E-05
445	437817.7	3763703	2.63E-04	4.30E-05	1.99E-05
446	437805.5	3763707	2.58E-04	4.21E-05	1.95E-05
447	437793.3	3763712	2.52E-04	4.12E-05	1.91E-05
448	437781.1	3763716	2.47E-04	4.04E-05	1.88E-05
449	437768.9	3763721	2.43E-04	3.97E-05	1.84E-05
450	437756.7	3763726	2.39E-04	3.90E-05	1.81E-05
451	437744.5	3763730	2.34E-04	3.83E-05	1.78E-05
452	437732.3	3763735	2.31E-04	3.77E-05	1.75E-05
453	437720.1	3763740	2.26E-04	3.70E-05	1.71E-05
454	437707.9	3763744	2.22E-04	3.62E-05	1.68E-05
455	437695.8	3763749	2.18E-04	3.55E-05	1.65E-05
456	437683.6	3763753	2.14E-04	3.49E-05	1.62E-05
457	437671.4	3763758	2.10E-04	3.43E-05	1.59E-05
458	437659.2	3763763	2.06E-04	3.36E-05	1.56E-05
459	437647	3763767	2.02E-04	3.30E-05	1.53E-05
460	437634.8	3763772	1.98E-04	3.24E-05	1.50E-05
461	437622.6	3763777	1.95E-04	3.19E-05	1.48E-05
462	438134.8	3763623	4.80E-04	7.84E-05	3.64E-05

463	438122.7	3763628	4.63E-04	7.56E-05	3.51E-05
464	438110.5	3763632	4.47E-04	7.30E-05	3.39E-05
465	438098.4	3763637	4.32E-04	7.06E-05	3.28E-05
466	438086.3	3763641	4.17E-04	6.82E-05	3.16E-05
467	438074.1	3763646	4.02E-04	6.57E-05	3.05E-05
468	438062	3763651	3.87E-04	6.32E-05	2.93E-05
469	438049.9	3763655	3.74E-04	6.11E-05	2.83E-05
470	438037.7	3763660	3.62E-04	5.91E-05	2.74E-05
471	438025.6	3763665	3.51E-04	5.74E-05	2.66E-05
472	437940.6	3763697	2.93E-04	4.79E-05	2.22E-05
473	437928.5	3763701	2.86E-04	4.68E-05	2.17E-05
474	437916.4	3763706	2.80E-04	4.57E-05	2.12E-05
475	437904.2	3763711	2.74E-04	4.48E-05	2.08E-05
476	437892.1	3763715	2.69E-04	4.39E-05	2.04E-05
477	437880	3763720	2.63E-04	4.30E-05	2.00E-05
478	437867.8	3763724	2.59E-04	4.23E-05	1.96E-05
479	437855.7	3763729	2.54E-04	4.15E-05	1.93E-05
480	437843.6	3763734	2.49E-04	4.08E-05	1.89E-05
481	437831.4	3763738	2.45E-04	4.00E-05	1.86E-05
482	437819.3	3763743	2.40E-04	3.93E-05	1.82E-05
483	437807.2	3763747	2.36E-04	3.85E-05	1.79E-05
484	437795	3763752	2.31E-04	3.78E-05	1.75E-05
485	437782.9	3763757	2.27E-04	3.71E-05	1.72E-05
486	437770.8	3763761	2.23E-04	3.65E-05	1.69E-05
487	437758.6	3763766	2.19E-04	3.58E-05	1.66E-05
488	437746.5	3763770	2.15E-04	3.52E-05	1.63E-05
489	437734.4	3763775	2.12E-04	3.46E-05	1.60E-05
490	437722.2	3763780	2.08E-04	3.40E-05	1.58E-05
491	437710.1	3763784	2.05E-04	3.35E-05	1.55E-05
492	437698	3763789	2.02E-04	3.29E-05	1.53E-05
493	437685.8	3763793	1.98E-04	3.24E-05	1.50E-05
494	437673.7	3763798	1.95E-04	3.19E-05	1.48E-05
495	437661.6	3763803	1.92E-04	3.14E-05	1.46E-05
496	437649.4	3763807	1.89E-04	3.09E-05	1.43E-05
497	437637.3	3763812	1.86E-04	3.03E-05	1.41E-05
498	437625.2	3763817	1.83E-04	2.98E-05	1.38E-05
499	438159.3	3763655	4.44E-04	7.26E-05	3.37E-05
500	438147.1	3763659	4.29E-04	7.01E-05	3.25E-05
501	438135	3763664	4.14E-04	6.76E-05	3.14E-05
502	438122.8	3763669	4.00E-04	6.53E-05	3.03E-05
503	438037.6	3763701	3.17E-04	5.17E-05	2.40E-05
504	438025.4	3763705	3.08E-04	5.03E-05	2.33E-05
505	438013.2	3763710	2.99E-04	4.89E-05	2.27E-05
506	438001.1	3763715	2.91E-04	4.76E-05	2.21E-05
507	437988.9	3763719	2.85E-04	4.66E-05	2.16E-05
508	437976.7	3763724	2.79E-04	4.56E-05	2.12E-05
509	437940.2	3763738	2.61E-04	4.27E-05	1.98E-05
510	437928	3763742	2.57E-04	4.19E-05	1.94E-05
511	437915.9	3763747	2.52E-04	4.11E-05	1.91E-05
512	437903.7	3763752	2.47E-04	4.04E-05	1.87E-05
513	437891.5	3763756	2.43E-04	3.97E-05	1.84E-05
514	437879.4	3763761	2.38E-04	3.89E-05	1.81E-05

515	437867.2	3763766	2.34E-04	3.82E-05	1.77E-05
516	437855	3763770	2.30E-04	3.76E-05	1.74E-05
517	437842.8	3763775	2.26E-04	3.70E-05	1.71E-05
518	437830.7	3763779	2.23E-04	3.64E-05	1.69E-05
519	437818.5	3763784	2.19E-04	3.58E-05	1.66E-05
520	437806.3	3763789	2.15E-04	3.52E-05	1.63E-05
521	437794.2	3763793	2.12E-04	3.46E-05	1.61E-05
522	437782	3763798	2.09E-04	3.41E-05	1.58E-05
523	437769.8	3763803	2.05E-04	3.36E-05	1.56E-05
524	437757.6	3763807	2.02E-04	3.30E-05	1.53E-05
525	437745.5	3763812	1.99E-04	3.25E-05	1.51E-05
526	437733.3	3763816	1.96E-04	3.20E-05	1.48E-05
527	437721.1	3763821	1.93E-04	3.15E-05	1.46E-05
528	437709	3763826	1.90E-04	3.11E-05	1.44E-05
529	437696.8	3763830	1.88E-04	3.07E-05	1.42E-05
530	437684.6	3763835	1.85E-04	3.02E-05	1.40E-05
531	437672.4	3763839	1.82E-04	2.97E-05	1.38E-05
532	437660.3	3763844	1.78E-04	2.91E-05	1.35E-05
533	437648.1	3763849	1.75E-04	2.86E-05	1.33E-05
534	437635.9	3763853	1.72E-04	2.82E-05	1.31E-05
535	437623.8	3763858	1.70E-04	2.77E-05	1.29E-05
536	437601	3762897	6.09E-02	9.95E-03	4.61E-03
537	437593.1	3762905	5.34E-02	8.72E-03	4.05E-03
538	437609.4	3762902	5.33E-02	8.70E-03	4.04E-03
539	437601.7	3762910	4.75E-02	7.76E-03	3.60E-03
540	437617.7	3762908	4.72E-02	7.71E-03	3.58E-03
541	437610.2	3762916	4.25E-02	6.94E-03	3.22E-03
542	437626.1	3762913	4.22E-02	6.89E-03	3.19E-03
543	437618.7	3762921	3.82E-02	6.25E-03	2.90E-03
544	437634.2	3762919	3.78E-02	6.18E-03	2.87E-03
545	437650.9	3762930	3.12E-02	5.09E-03	2.36E-03
546	437650.7	3762959	2.15E-02	3.52E-03	1.63E-03
547	437642.3	3762968	1.91E-02	3.12E-03	1.45E-03
548	437676	3762961	2.06E-02	3.36E-03	1.56E-03
549	437668	3762969	1.87E-02	3.05E-03	1.42E-03
550	437659.9	3762978	1.68E-02	2.75E-03	1.27E-03
551	437700.9	3762963	1.93E-02	3.15E-03	1.46E-03
552	437693	3762972	1.79E-02	2.92E-03	1.36E-03
553	437685.1	3762980	1.64E-02	2.68E-03	1.24E-03
554	437677.2	3762989	1.49E-02	2.44E-03	1.13E-03
555	437669.3	3762997	1.34E-02	2.20E-03	1.02E-03
556	437709.2	3762983	1.56E-02	2.55E-03	1.18E-03
557	437701	3762992	1.43E-02	2.34E-03	1.09E-03
558	437692.7	3763001	1.30E-02	2.13E-03	9.88E-04
559	437684.5	3763010	1.18E-02	1.92E-03	8.91E-04
560	437710	3763011	1.17E-02	1.91E-03	8.88E-04
561	437701.9	3763020	1.07E-02	1.74E-03	8.08E-04
562	437750.7	3762996	1.30E-02	2.13E-03	9.87E-04
563	437742.4	3763005	1.22E-02	2.00E-03	9.27E-04
564	437767.4	3763007	1.16E-02	1.89E-03	8.79E-04
565	437759.2	3763016	1.09E-02	1.79E-03	8.29E-04
566	437751.1	3763025	1.02E-02	1.66E-03	7.72E-04

567	437742.9	3763034	9.37E-03	1.53E-03	7.10E-04
568	437783.9	3763019	1.04E-02	1.69E-03	7.85E-04
569	437775.6	3763028	9.74E-03	1.59E-03	7.38E-04
570	437767.2	3763037	9.07E-03	1.48E-03	6.88E-04
571	437758.8	3763046	8.36E-03	1.37E-03	6.34E-04
572	437750.5	3763055	7.64E-03	1.25E-03	5.79E-04
573	437742.1	3763064	6.95E-03	1.14E-03	5.27E-04
574	437800.6	3763030	9.33E-03	1.52E-03	7.07E-04
575	437792.4	3763039	8.80E-03	1.44E-03	6.67E-04
576	437784.2	3763047	8.23E-03	1.34E-03	6.24E-04
577	437776	3763056	7.63E-03	1.25E-03	5.78E-04
578	437767.7	3763065	7.03E-03	1.15E-03	5.33E-04
579	437759.5	3763074	6.43E-03	1.05E-03	4.87E-04
580	437751.3	3763083	5.86E-03	9.57E-04	4.44E-04
581	437743.1	3763092	5.32E-03	8.69E-04	4.03E-04
582	437808.9	3763064	7.16E-03	1.17E-03	5.43E-04
583	437800.5	3763073	6.66E-03	1.09E-03	5.05E-04
584	437792.2	3763082	6.15E-03	1.01E-03	4.66E-04
585	437783.8	3763091	5.66E-03	9.25E-04	4.29E-04
586	437775.5	3763100	5.18E-03	8.46E-04	3.93E-04
587	437767.1	3763109	4.71E-03	7.70E-04	3.57E-04
588	437758.8	3763118	4.28E-03	6.99E-04	3.24E-04
589	437793.4	3763124	4.34E-03	7.09E-04	3.29E-04
590	437785.3	3763133	3.97E-03	6.48E-04	3.01E-04
591	437777.1	3763142	3.63E-03	5.92E-04	2.75E-04
592	437875.5	3763080	6.25E-03	1.02E-03	4.73E-04
593	437859	3763097	5.66E-03	9.24E-04	4.29E-04
594	437850.7	3763106	5.35E-03	8.73E-04	4.05E-04
595	437842.4	3763115	4.99E-03	8.15E-04	3.78E-04
596	437834.2	3763124	4.62E-03	7.55E-04	3.50E-04
597	437825.9	3763133	4.26E-03	6.96E-04	3.23E-04
598	437900.5	3763096	5.53E-03	9.04E-04	4.19E-04
599	437867	3763132	4.45E-03	7.27E-04	3.37E-04
600	437858.6	3763141	4.16E-03	6.80E-04	3.15E-04
601	437850.2	3763150	3.87E-03	6.32E-04	2.93E-04
602	437841.9	3763159	3.57E-03	5.83E-04	2.70E-04
603	437833.5	3763168	3.29E-03	5.37E-04	2.49E-04
604	437825.1	3763177	3.03E-03	4.95E-04	2.30E-04
605	437925.5	3763113	4.92E-03	8.05E-04	3.73E-04
606	437917.3	3763122	4.71E-03	7.70E-04	3.57E-04
607	437909.1	3763130	4.49E-03	7.33E-04	3.40E-04
608	437900.8	3763139	4.26E-03	6.95E-04	3.22E-04
609	437867.9	3763175	3.29E-03	5.37E-04	2.49E-04
610	437859.7	3763184	3.05E-03	4.99E-04	2.31E-04
611	437851.5	3763192	2.83E-03	4.62E-04	2.14E-04
612	437843.3	3763201	2.62E-03	4.28E-04	1.98E-04
613	437835.1	3763210	2.43E-03	3.97E-04	1.84E-04
614	437950.4	3763129	4.42E-03	7.22E-04	3.35E-04
615	437942.1	3763138	4.23E-03	6.91E-04	3.21E-04
616	437933.8	3763147	4.04E-03	6.59E-04	3.06E-04
617	437925.5	3763156	3.83E-03	6.26E-04	2.91E-04
618	437917.2	3763165	3.63E-03	5.93E-04	2.75E-04

619	437908.9	3763174	3.42E-03	5.59E-04	2.59E-04
620	437900.6	3763183	3.21E-03	5.25E-04	2.43E-04
621	437867.4	3763219	2.41E-03	3.94E-04	1.83E-04
622	437859	3763228	2.24E-03	3.66E-04	1.70E-04
623	437850.7	3763237	2.08E-03	3.40E-04	1.58E-04
624	437950.2	3763173	3.48E-03	5.69E-04	2.64E-04
625	437941.8	3763182	3.30E-03	5.39E-04	2.50E-04
626	437933.5	3763191	3.12E-03	5.10E-04	2.37E-04
627	437925.1	3763200	2.94E-03	4.81E-04	2.23E-04
628	437916.7	3763209	2.76E-03	4.50E-04	2.09E-04
629	437908.3	3763218	2.57E-03	4.21E-04	1.95E-04
630	437874.7	3763254	1.91E-03	3.12E-04	1.45E-04
631	438000.4	3763163	3.65E-03	5.96E-04	2.76E-04
632	437992.1	3763172	3.51E-03	5.73E-04	2.66E-04
633	437983.9	3763180	3.35E-03	5.48E-04	2.54E-04
634	437950.8	3763216	2.72E-03	4.44E-04	2.06E-04
635	437942.6	3763225	2.56E-03	4.18E-04	1.94E-04
636	437934.3	3763234	2.40E-03	3.93E-04	1.82E-04
637	437926.1	3763243	2.25E-03	3.68E-04	1.71E-04
638	437917.8	3763252	2.10E-03	3.43E-04	1.59E-04
639	437909.5	3763260	1.96E-03	3.20E-04	1.48E-04
640	437901.3	3763269	1.83E-03	2.98E-04	1.38E-04
641	437893	3763278	1.70E-03	2.78E-04	1.29E-04
642	438025.4	3763179	3.32E-03	5.43E-04	2.52E-04
643	438017	3763188	3.20E-03	5.22E-04	2.42E-04
644	438008.7	3763197	3.06E-03	5.00E-04	2.32E-04
645	438000.4	3763206	2.92E-03	4.78E-04	2.22E-04
646	437992	3763215	2.79E-03	4.56E-04	2.12E-04
647	437983.7	3763224	2.65E-03	4.33E-04	2.01E-04
648	437950.4	3763260	2.08E-03	3.40E-04	1.58E-04
649	437942	3763269	1.95E-03	3.19E-04	1.48E-04
650	437933.7	3763278	1.83E-03	2.99E-04	1.39E-04
651	437925.4	3763287	1.71E-03	2.80E-04	1.30E-04
652	437917	3763296	1.61E-03	2.63E-04	1.22E-04
653	437908.7	3763305	1.51E-03	2.46E-04	1.14E-04
654	438025.1	3763223	2.70E-03	4.41E-04	2.05E-04
655	437999.9	3763250	2.30E-03	3.76E-04	1.75E-04
656	437991.5	3763259	2.17E-03	3.55E-04	1.65E-04
657	437983.1	3763268	2.05E-03	3.35E-04	1.55E-04
658	437949.5	3763304	1.60E-03	2.62E-04	1.21E-04
659	437941.1	3763313	1.51E-03	2.46E-04	1.14E-04
660	438083.6	3763218	2.72E-03	4.44E-04	2.06E-04
661	438075.2	3763227	2.62E-03	4.28E-04	1.98E-04
662	438058.3	3763245	2.41E-03	3.94E-04	1.83E-04
663	438049.9	3763254	2.31E-03	3.77E-04	1.75E-04
664	438041.5	3763263	2.20E-03	3.59E-04	1.66E-04
665	438033.1	3763272	2.09E-03	3.41E-04	1.58E-04
666	438024.7	3763282	1.98E-03	3.23E-04	1.50E-04
667	438016.2	3763291	1.87E-03	3.06E-04	1.42E-04
668	438007.8	3763300	1.77E-03	2.89E-04	1.34E-04
669	437999.4	3763309	1.67E-03	2.73E-04	1.27E-04
670	437991	3763318	1.58E-03	2.57E-04	1.19E-04

671	437982.6	3763327	1.48E-03	2.42E-04	1.12E-04
672	437948.9	3763363	1.15E-03	1.88E-04	8.74E-05
673	438108.4	3763249	2.37E-03	3.87E-04	1.79E-04
674	438100	3763258	2.28E-03	3.72E-04	1.73E-04
675	438091.6	3763268	2.19E-03	3.57E-04	1.66E-04
676	438083.1	3763277	2.09E-03	3.42E-04	1.59E-04
677	438074.7	3763286	2.00E-03	3.27E-04	1.52E-04
678	438066.2	3763295	1.91E-03	3.11E-04	1.44E-04
679	438057.8	3763304	1.81E-03	2.96E-04	1.37E-04
680	438049.4	3763313	1.72E-03	2.82E-04	1.31E-04
681	438040.9	3763322	1.64E-03	2.67E-04	1.24E-04
682	438032.5	3763331	1.55E-03	2.54E-04	1.18E-04
683	438024	3763340	1.47E-03	2.40E-04	1.11E-04
684	438015.6	3763349	1.39E-03	2.26E-04	1.05E-04
685	438007.2	3763358	1.30E-03	2.13E-04	9.88E-05
686	437998.7	3763367	1.22E-03	2.00E-04	9.28E-05
687	438150.2	3763262	2.23E-03	3.64E-04	1.69E-04
688	438141.9	3763271	2.17E-03	3.54E-04	1.64E-04
689	438133.6	3763280	2.09E-03	3.41E-04	1.58E-04
690	438125.3	3763289	2.01E-03	3.29E-04	1.53E-04
691	438117	3763298	1.93E-03	3.15E-04	1.46E-04
692	438108.7	3763307	1.85E-03	3.02E-04	1.40E-04
693	438100.4	3763316	1.77E-03	2.89E-04	1.34E-04
694	438092.1	3763325	1.69E-03	2.76E-04	1.28E-04
695	438083.8	3763334	1.61E-03	2.63E-04	1.22E-04
696	438075.4	3763343	1.53E-03	2.50E-04	1.16E-04
697	438067.1	3763352	1.45E-03	2.37E-04	1.10E-04
698	438058.8	3763361	1.38E-03	2.25E-04	1.04E-04
699	438050.5	3763370	1.31E-03	2.13E-04	9.89E-05
700	438017.3	3763405	1.04E-03	1.69E-04	7.86E-05
701	438009	3763414	9.78E-04	1.60E-04	7.41E-05
702	438000.7	3763423	9.22E-04	1.51E-04	6.98E-05
703	438183.5	3763285	2.03E-03	3.31E-04	1.54E-04
704	438175.2	3763294	1.96E-03	3.21E-04	1.49E-04
705	438166.9	3763303	1.91E-03	3.12E-04	1.45E-04
706	438158.5	3763312	1.84E-03	3.01E-04	1.40E-04
707	438150.2	3763320	1.77E-03	2.89E-04	1.34E-04
708	438141.9	3763329	1.70E-03	2.77E-04	1.29E-04
709	438133.5	3763338	1.63E-03	2.66E-04	1.23E-04
710	438125.2	3763347	1.56E-03	2.54E-04	1.18E-04
711	438116.9	3763356	1.49E-03	2.43E-04	1.13E-04
712	438108.5	3763365	1.42E-03	2.32E-04	1.07E-04
713	438075.2	3763401	1.16E-03	1.89E-04	8.78E-05
714	438066.9	3763410	1.10E-03	1.80E-04	8.33E-05
715	438058.5	3763419	1.04E-03	1.70E-04	7.89E-05
716	438050.2	3763428	9.83E-04	1.61E-04	7.45E-05
717	438041.9	3763437	9.28E-04	1.52E-04	7.03E-05
718	438033.5	3763446	8.76E-04	1.43E-04	6.64E-05
719	438025.2	3763455	8.28E-04	1.35E-04	6.27E-05
720	438216.8	3763307	1.86E-03	3.04E-04	1.41E-04
721	438208.5	3763316	1.80E-03	2.94E-04	1.37E-04
722	438200.1	3763325	1.74E-03	2.85E-04	1.32E-04

723	438191.7	3763334	1.69E-03	2.75E-04	1.28E-04
724	438183.4	3763343	1.62E-03	2.65E-04	1.23E-04
725	438175	3763352	1.56E-03	2.55E-04	1.18E-04
726	438166.7	3763361	1.50E-03	2.45E-04	1.13E-04
727	438158.3	3763370	1.43E-03	2.34E-04	1.09E-04
728	438124.9	3763406	1.19E-03	1.95E-04	9.05E-05
729	438116.6	3763415	1.14E-03	1.86E-04	8.62E-05
730	438108.2	3763424	1.09E-03	1.77E-04	8.22E-05
731	438099.9	3763433	1.03E-03	1.69E-04	7.83E-05
732	438091.5	3763442	9.82E-04	1.60E-04	7.44E-05
733	438083.2	3763451	9.29E-04	1.52E-04	7.04E-05
734	438074.8	3763460	8.79E-04	1.44E-04	6.66E-05
735	438066.4	3763469	8.32E-04	1.36E-04	6.30E-05
736	438058.1	3763477	7.87E-04	1.29E-04	5.97E-05
737	438049.7	3763486	7.45E-04	1.22E-04	5.64E-05
738	438250.1	3763329	1.70E-03	2.78E-04	1.29E-04
739	438241.7	3763338	1.66E-03	2.70E-04	1.25E-04
740	438233.4	3763347	1.61E-03	2.62E-04	1.22E-04
741	438225	3763356	1.55E-03	2.54E-04	1.18E-04
742	438216.6	3763365	1.50E-03	2.45E-04	1.14E-04
743	438183.1	3763401	1.27E-03	2.08E-04	9.65E-05
744	438174.7	3763410	1.22E-03	1.99E-04	9.23E-05
745	438166.4	3763419	1.17E-03	1.91E-04	8.85E-05
746	438158	3763428	1.12E-03	1.83E-04	8.47E-05
747	438149.6	3763437	1.07E-03	1.75E-04	8.11E-05
748	438141.3	3763446	1.02E-03	1.67E-04	7.73E-05
749	438132.9	3763455	9.71E-04	1.59E-04	7.35E-05
750	438124.5	3763464	9.22E-04	1.51E-04	6.98E-05
751	438116.1	3763473	8.74E-04	1.43E-04	6.62E-05
752	438107.8	3763482	8.28E-04	1.35E-04	6.27E-05
753	438099.4	3763491	7.85E-04	1.28E-04	5.95E-05
754	438091	3763500	7.44E-04	1.22E-04	5.64E-05
755	438082.7	3763509	7.07E-04	1.15E-04	5.36E-05
756	438074.3	3763518	6.71E-04	1.10E-04	5.09E-05
757	438283.4	3763351	1.57E-03	2.57E-04	1.19E-04
758	438275	3763360	1.53E-03	2.50E-04	1.16E-04
759	438266.6	3763369	1.48E-03	2.42E-04	1.12E-04
760	438233.1	3763405	1.29E-03	2.11E-04	9.78E-05
761	438224.7	3763414	1.24E-03	2.03E-04	9.40E-05
762	438216.3	3763423	1.19E-03	1.95E-04	9.04E-05
763	438207.9	3763432	1.15E-03	1.87E-04	8.69E-05
764	438199.5	3763441	1.10E-03	1.80E-04	8.34E-05
765	438191.1	3763450	1.06E-03	1.73E-04	8.00E-05
766	438182.7	3763459	1.01E-03	1.65E-04	7.67E-05
767	438174.3	3763468	9.68E-04	1.58E-04	7.33E-05
768	438165.9	3763477	9.20E-04	1.50E-04	6.97E-05
769	438157.5	3763486	8.73E-04	1.43E-04	6.61E-05
770	438149.2	3763496	8.28E-04	1.35E-04	6.27E-05
771	438140.8	3763505	7.85E-04	1.28E-04	5.95E-05
772	438132.4	3763514	7.45E-04	1.22E-04	5.65E-05
773	438124	3763523	7.08E-04	1.16E-04	5.36E-05
774	438115.6	3763532	6.73E-04	1.10E-04	5.10E-05

775	438291.5	3763400	1.33E-03	2.18E-04	1.01E-04
776	438283.1	3763409	1.29E-03	2.10E-04	9.76E-05
777	438266.2	3763428	1.20E-03	1.96E-04	9.10E-05
778	438257.8	3763437	1.16E-03	1.89E-04	8.77E-05
779	438249.4	3763446	1.11E-03	1.82E-04	8.45E-05
780	438241	3763455	1.07E-03	1.76E-04	8.14E-05
781	438232.6	3763464	1.04E-03	1.69E-04	7.84E-05
782	438224.2	3763473	9.95E-04	1.63E-04	7.54E-05
783	438215.8	3763482	9.54E-04	1.56E-04	7.23E-05
784	438207.4	3763491	9.12E-04	1.49E-04	6.91E-05
785	438199	3763500	8.70E-04	1.42E-04	6.59E-05
786	438190.6	3763509	8.27E-04	1.35E-04	6.27E-05
787	438182.2	3763518	7.86E-04	1.28E-04	5.96E-05
788	438173.8	3763527	7.47E-04	1.22E-04	5.66E-05
789	438165.4	3763536	7.11E-04	1.16E-04	5.39E-05
790	438140.2	3763563	6.14E-04	1.00E-04	4.65E-05
791	438131.8	3763572	5.84E-04	9.54E-05	4.42E-05
792	438123.4	3763581	5.54E-04	9.06E-05	4.20E-05
793	438350	3763395	1.35E-03	2.20E-04	1.02E-04
794	438341.6	3763405	1.31E-03	2.14E-04	9.95E-05
795	438333.1	3763414	1.28E-03	2.09E-04	9.69E-05
796	438324.7	3763423	1.24E-03	2.03E-04	9.40E-05
797	438316.3	3763432	1.20E-03	1.96E-04	9.10E-05
798	438307.9	3763441	1.16E-03	1.90E-04	8.80E-05
799	438299.5	3763450	1.12E-03	1.83E-04	8.51E-05
800	438291	3763459	1.08E-03	1.77E-04	8.22E-05
801	438257.4	3763495	9.37E-04	1.53E-04	7.10E-05
802	438248.9	3763504	8.99E-04	1.47E-04	6.81E-05
803	438240.5	3763513	8.61E-04	1.41E-04	6.52E-05
804	438232.1	3763522	8.24E-04	1.35E-04	6.24E-05
805	438223.7	3763531	7.86E-04	1.28E-04	5.96E-05
806	438198.4	3763558	6.80E-04	1.11E-04	5.15E-05
807	438190	3763568	6.49E-04	1.06E-04	4.92E-05
808	438181.6	3763577	6.19E-04	1.01E-04	4.69E-05
809	438173.1	3763586	5.90E-04	9.64E-05	4.47E-05
810	438164.7	3763595	5.63E-04	9.19E-05	4.26E-05
811	438156.3	3763604	5.36E-04	8.75E-05	4.06E-05
812	438147.9	3763613	5.10E-04	8.33E-05	3.86E-05
813	438349.5	3763454	1.12E-03	1.83E-04	8.48E-05
814	438341.1	3763463	1.08E-03	1.77E-04	8.22E-05
815	438332.7	3763472	1.05E-03	1.72E-04	7.96E-05
816	438324.2	3763481	1.02E-03	1.66E-04	7.71E-05
817	438315.8	3763490	9.84E-04	1.61E-04	7.46E-05
818	438307.4	3763499	9.52E-04	1.55E-04	7.21E-05
819	438298.9	3763508	9.18E-04	1.50E-04	6.95E-05
820	438290.5	3763517	8.83E-04	1.44E-04	6.69E-05
821	438248.3	3763563	7.13E-04	1.16E-04	5.40E-05
822	438239.9	3763572	6.81E-04	1.11E-04	5.16E-05
823	438231.5	3763581	6.50E-04	1.06E-04	4.93E-05
824	438223	3763590	6.21E-04	1.01E-04	4.71E-05
825	438214.6	3763599	5.94E-04	9.71E-05	4.50E-05
826	438206.2	3763608	5.68E-04	9.28E-05	4.30E-05

827	438197.7	3763617	5.43E-04	8.87E-05	4.11E-05
828	438189.3	3763626	5.18E-04	8.46E-05	3.92E-05
829	438180.9	3763635	4.94E-04	8.07E-05	3.74E-05
830	438172.4	3763644	4.71E-04	7.69E-05	3.57E-05
831	437586	3762818	1.59E-01	2.60E-02	1.21E-02
832	437586	3762808	1.60E-01	2.61E-02	1.21E-02
833	437586	3762798	1.59E-01	2.60E-02	1.21E-02
834	437586	3762788	1.56E-01	2.56E-02	1.19E-02
835	437586.1	3762779	1.51E-01	2.47E-02	1.15E-02
836	437586.1	3762769	1.44E-01	2.35E-02	1.09E-02
837	437586.1	3762759	1.33E-01	2.18E-02	1.01E-02
838	437586.1	3762749	1.20E-01	1.96E-02	9.08E-03
839	437586.1	3762739	1.03E-01	1.68E-02	7.81E-03
840	437586.1	3762730	8.53E-02	1.39E-02	6.47E-03
841	437596	3762818	1.32E-01	2.16E-02	1.00E-02
842	437596	3762808	1.32E-01	2.16E-02	1.00E-02
843	437596	3762798	1.32E-01	2.15E-02	9.98E-03
844	437596	3762788	1.29E-01	2.11E-02	9.79E-03
845	437596.1	3762779	1.25E-01	2.04E-02	9.46E-03
846	437596.1	3762769	1.18E-01	1.93E-02	8.93E-03
847	437596.1	3762759	1.09E-01	1.78E-02	8.25E-03
848	437596.1	3762749	9.79E-02	1.60E-02	7.42E-03
849	437596.1	3762739	8.51E-02	1.39E-02	6.45E-03
850	437596.1	3762730	7.20E-02	1.18E-02	5.46E-03
851	437606	3762828	1.10E-01	1.80E-02	8.35E-03
852	437606	3762818	1.11E-01	1.82E-02	8.45E-03
853	437606	3762808	1.11E-01	1.82E-02	8.43E-03
854	437606	3762798	1.11E-01	1.81E-02	8.39E-03
855	437606	3762788	1.09E-01	1.77E-02	8.22E-03
856	437606.1	3762779	1.05E-01	1.71E-02	7.93E-03
857	437606.1	3762769	9.85E-02	1.61E-02	7.47E-03
858	437606.1	3762759	9.09E-02	1.48E-02	6.89E-03
859	437606.1	3762749	8.19E-02	1.34E-02	6.21E-03
860	437606.1	3762739	7.20E-02	1.18E-02	5.46E-03
861	437606.1	3762730	6.20E-02	1.01E-02	4.70E-03
862	437616	3762828	9.62E-02	1.57E-02	7.29E-03
863	437616	3762818	9.69E-02	1.58E-02	7.35E-03
864	437616	3762808	9.65E-02	1.58E-02	7.32E-03
865	437616	3762798	9.58E-02	1.56E-02	7.26E-03
866	437616	3762788	9.37E-02	1.53E-02	7.10E-03
867	437616.1	3762779	9.01E-02	1.47E-02	6.83E-03
868	437616.1	3762769	8.47E-02	1.38E-02	6.42E-03
869	437616.1	3762759	7.81E-02	1.28E-02	5.92E-03
870	437616.1	3762749	7.06E-02	1.15E-02	5.35E-03
871	437616.1	3762739	6.27E-02	1.02E-02	4.75E-03
872	437616.1	3762730	5.47E-02	8.94E-03	4.15E-03
873	437626	3762828	8.56E-02	1.40E-02	6.49E-03
874	437626	3762818	8.60E-02	1.41E-02	6.52E-03
875	437626	3762808	8.54E-02	1.40E-02	6.47E-03
876	437626	3762798	8.44E-02	1.38E-02	6.40E-03
877	437626	3762788	8.23E-02	1.34E-02	6.24E-03
878	437626.1	3762779	7.89E-02	1.29E-02	5.98E-03

879	437626.1	3762769	7.41E-02	1.21E-02	5.62E-03
880	437626.1	3762759	6.84E-02	1.12E-02	5.18E-03
881	437626.1	3762749	6.21E-02	1.01E-02	4.70E-03
882	437626.1	3762739	5.56E-02	9.08E-03	4.21E-03
883	437626.1	3762730	4.90E-02	8.01E-03	3.71E-03
884	437636	3762828	7.66E-02	1.25E-02	5.80E-03
885	437636	3762818	7.67E-02	1.25E-02	5.81E-03
886	437636	3762808	7.60E-02	1.24E-02	5.76E-03
887	437636	3762798	7.49E-02	1.22E-02	5.67E-03
888	437636	3762789	7.27E-02	1.19E-02	5.51E-03
889	437636.1	3762779	6.96E-02	1.14E-02	5.28E-03
890	437636.1	3762769	6.53E-02	1.07E-02	4.95E-03
891	437636.1	3762759	6.04E-02	9.87E-03	4.58E-03
892	437636.1	3762749	5.50E-02	8.99E-03	4.17E-03
893	437636.1	3762739	4.96E-02	8.10E-03	3.76E-03
894	437636.1	3762730	4.41E-02	7.21E-03	3.34E-03
895	437633.4	3762899	4.95E-02	8.09E-03	3.75E-03
896	437646	3762828	6.90E-02	1.13E-02	5.23E-03
897	437646	3762818	6.90E-02	1.13E-02	5.23E-03
898	437646	3762808	6.82E-02	1.11E-02	5.17E-03
899	437646	3762798	6.70E-02	1.09E-02	5.08E-03
900	437646	3762789	6.49E-02	1.06E-02	4.92E-03
901	437646.1	3762779	6.20E-02	1.01E-02	4.70E-03
902	437646.1	3762769	5.82E-02	9.51E-03	4.41E-03
903	437646.1	3762759	5.39E-02	8.81E-03	4.09E-03
904	437646.1	3762749	4.93E-02	8.05E-03	3.73E-03
905	437646.1	3762739	4.46E-02	7.28E-03	3.38E-03
906	437646.1	3762730	3.99E-02	6.51E-03	3.02E-03
907	437642	3762903	4.46E-02	7.29E-03	3.38E-03
908	437656	3762828	6.24E-02	1.02E-02	4.73E-03
909	437656	3762818	6.24E-02	1.02E-02	4.72E-03
910	437656	3762808	6.16E-02	1.01E-02	4.67E-03
911	437656	3762798	6.03E-02	9.85E-03	4.57E-03
912	437656	3762789	5.82E-02	9.52E-03	4.41E-03
913	437656.1	3762779	5.55E-02	9.07E-03	4.21E-03
914	437656.1	3762769	5.22E-02	8.52E-03	3.95E-03
915	437656.1	3762759	4.84E-02	7.91E-03	3.67E-03
916	437656.1	3762749	4.44E-02	7.25E-03	3.36E-03
917	437656.1	3762739	4.02E-02	6.57E-03	3.05E-03
918	437656.1	3762730	3.61E-02	5.91E-03	2.74E-03
919	437663.4	3762899	4.14E-02	6.76E-03	3.14E-03
920	437658.3	3762915	3.60E-02	5.88E-03	2.73E-03
921	437676	3762828	5.12E-02	8.36E-03	3.88E-03
922	437676	3762818	5.09E-02	8.32E-03	3.86E-03
923	437676	3762808	5.01E-02	8.18E-03	3.80E-03
924	437676	3762798	4.88E-02	7.97E-03	3.70E-03
925	437676	3762789	4.70E-02	7.67E-03	3.56E-03
926	437676.1	3762779	4.47E-02	7.30E-03	3.39E-03
927	437676.1	3762769	4.21E-02	6.87E-03	3.19E-03
928	437676.1	3762759	3.92E-02	6.40E-03	2.97E-03
929	437676.1	3762749	3.62E-02	5.91E-03	2.74E-03
930	437676.1	3762740	3.31E-02	5.40E-03	2.51E-03

931	437676.1	3762730	3.00E-02	4.91E-03	2.28E-03
932	437676.1	3762720	2.71E-02	4.43E-03	2.06E-03
933	437680.3	3762909	3.44E-02	5.61E-03	2.60E-03
934	437677.7	3762917	3.23E-02	5.27E-03	2.44E-03
935	437696	3762838	4.23E-02	6.91E-03	3.20E-03
936	437696	3762828	4.23E-02	6.91E-03	3.20E-03
937	437696	3762818	4.19E-02	6.84E-03	3.17E-03
938	437696	3762808	4.10E-02	6.71E-03	3.11E-03
939	437696	3762798	3.99E-02	6.51E-03	3.02E-03
940	437696	3762789	3.83E-02	6.26E-03	2.90E-03
941	437696.1	3762779	3.65E-02	5.96E-03	2.77E-03
942	437696.1	3762769	3.44E-02	5.63E-03	2.61E-03
943	437696.1	3762759	3.22E-02	5.27E-03	2.44E-03
944	437696.1	3762749	2.99E-02	4.89E-03	2.27E-03
945	437696.1	3762740	2.76E-02	4.51E-03	2.09E-03
946	437696.1	3762730	2.53E-02	4.13E-03	1.92E-03
947	437696.1	3762720	2.31E-02	3.77E-03	1.75E-03
948	437702.5	3762902	3.19E-02	5.22E-03	2.42E-03
949	437699.9	3762910	3.06E-02	4.99E-03	2.32E-03
950	437697.2	3762919	2.90E-02	4.73E-03	2.19E-03
951	437716	3762838	3.55E-02	5.79E-03	2.69E-03
952	437716	3762828	3.53E-02	5.77E-03	2.68E-03
953	437716	3762818	3.48E-02	5.69E-03	2.64E-03
954	437716	3762808	3.41E-02	5.57E-03	2.58E-03
955	437716	3762798	3.30E-02	5.40E-03	2.50E-03
956	437716	3762789	3.18E-02	5.19E-03	2.41E-03
957	437716.1	3762779	3.03E-02	4.95E-03	2.30E-03
958	437716.1	3762769	2.87E-02	4.69E-03	2.17E-03
959	437716.1	3762759	2.70E-02	4.41E-03	2.04E-03
960	437716.1	3762749	2.52E-02	4.11E-03	1.91E-03
961	437716.1	3762740	2.34E-02	3.82E-03	1.77E-03
962	437716.1	3762730	2.16E-02	3.53E-03	1.64E-03
963	437716.1	3762720	1.99E-02	3.25E-03	1.51E-03
964	437736	3762838	3.01E-02	4.91E-03	2.28E-03
965	437736	3762828	2.98E-02	4.87E-03	2.26E-03
966	437736	3762818	2.94E-02	4.80E-03	2.22E-03
967	437736	3762808	2.87E-02	4.68E-03	2.17E-03
968	437736	3762798	2.78E-02	4.54E-03	2.11E-03
969	437736	3762789	2.67E-02	4.37E-03	2.03E-03
970	437736.1	3762779	2.56E-02	4.17E-03	1.94E-03
971	437736.1	3762769	2.43E-02	3.96E-03	1.84E-03
972	437736.1	3762759	2.29E-02	3.74E-03	1.73E-03
973	437736.1	3762749	2.15E-02	3.51E-03	1.63E-03
974	437736.1	3762740	2.01E-02	3.28E-03	1.52E-03
975	437736.1	3762730	1.87E-02	3.05E-03	1.41E-03
976	437736.1	3762720	1.73E-02	2.82E-03	1.31E-03
977	437744.8	3762894	2.57E-02	4.19E-03	1.95E-03
978	437742	3762903	2.51E-02	4.10E-03	1.90E-03
979	437739.2	3762913	2.44E-02	3.99E-03	1.85E-03
980	437736.4	3762922	2.35E-02	3.84E-03	1.78E-03
981	437756	3762838	2.58E-02	4.21E-03	1.95E-03
982	437756	3762828	2.55E-02	4.17E-03	1.93E-03

983	437756	3762818	2.51E-02	4.09E-03	1.90E-03
984	437756	3762808	2.44E-02	3.99E-03	1.85E-03
985	437756	3762798	2.37E-02	3.87E-03	1.79E-03
986	437756	3762789	2.28E-02	3.72E-03	1.73E-03
987	437756.1	3762779	2.18E-02	3.56E-03	1.65E-03
988	437756.1	3762769	2.08E-02	3.39E-03	1.57E-03
989	437756.1	3762759	1.97E-02	3.21E-03	1.49E-03
990	437756.1	3762749	1.85E-02	3.02E-03	1.40E-03
991	437756.1	3762740	1.74E-02	2.84E-03	1.32E-03
992	437756.1	3762730	1.63E-02	2.66E-03	1.23E-03
993	437756.1	3762720	1.52E-02	2.48E-03	1.15E-03
994	437764.6	3762895	2.27E-02	3.72E-03	1.72E-03
995	437761.8	3762904	2.24E-02	3.66E-03	1.70E-03
996	437758.9	3762913	2.19E-02	3.57E-03	1.66E-03
997	437756.1	3762923	2.12E-02	3.47E-03	1.61E-03
998	437753.3	3762932	2.04E-02	3.34E-03	1.55E-03
999	437750.4	3762942	1.96E-02	3.20E-03	1.48E-03
1000	437747.6	3762951	1.86E-02	3.04E-03	1.41E-03
1001	437744.7	3762960	1.76E-02	2.87E-03	1.33E-03
1002	437741.9	3762970	1.65E-02	2.70E-03	1.25E-03
1003	437782.5	3762902	2.01E-02	3.28E-03	1.52E-03
1004	437779.9	3762910	1.98E-02	3.23E-03	1.50E-03
1005	437777.2	3762919	1.94E-02	3.17E-03	1.47E-03
1006	437774.5	3762928	1.89E-02	3.09E-03	1.43E-03
1007	437771.8	3762937	1.84E-02	3.00E-03	1.39E-03
1008	437769.1	3762946	1.77E-02	2.89E-03	1.34E-03
1009	437766.5	3762955	1.70E-02	2.77E-03	1.28E-03
1010	437763.8	3762964	1.62E-02	2.64E-03	1.22E-03
1011	437761.1	3762972	1.53E-02	2.50E-03	1.16E-03
1012	437758.4	3762981	1.44E-02	2.36E-03	1.09E-03
1013	437796	3762848	1.97E-02	3.21E-03	1.49E-03
1014	437796	3762838	1.95E-02	3.18E-03	1.48E-03
1015	437796	3762828	1.92E-02	3.13E-03	1.45E-03
1016	437794.2	3762929	1.72E-02	2.81E-03	1.30E-03
1017	437791.4	3762938	1.68E-02	2.74E-03	1.27E-03
1018	437788.7	3762947	1.63E-02	2.66E-03	1.23E-03
1019	437786	3762956	1.57E-02	2.56E-03	1.19E-03
1020	437783.3	3762965	1.50E-02	2.45E-03	1.14E-03
1021	437780.5	3762974	1.43E-02	2.34E-03	1.09E-03
1022	437777.8	3762983	1.36E-02	2.22E-03	1.03E-03
1023	437775.1	3762992	1.28E-02	2.10E-03	9.73E-04
1024	437816	3762848	1.73E-02	2.83E-03	1.31E-03
1025	437816	3762838	1.71E-02	2.80E-03	1.30E-03
1026	437816	3762828	1.69E-02	2.75E-03	1.28E-03
1027	437816	3762818	1.65E-02	2.70E-03	1.25E-03
1028	437816	3762808	1.60E-02	2.62E-03	1.22E-03
1029	437816	3762799	1.55E-02	2.54E-03	1.18E-03
1030	437816	3762789	1.50E-02	2.44E-03	1.13E-03
1031	437816.1	3762779	1.43E-02	2.34E-03	1.09E-03
1032	437816.1	3762769	1.38E-02	2.25E-03	1.04E-03
1033	437816.1	3762759	1.32E-02	2.15E-03	9.99E-04
1034	437816.1	3762750	1.26E-02	2.06E-03	9.54E-04

1035	437816.1	3762740	1.20E-02	1.96E-03	9.07E-04
1036	437816.1	3762730	1.13E-02	1.85E-03	8.59E-04
1037	437816.1	3762720	1.07E-02	1.75E-03	8.11E-04
1038	437800.1	3762976	1.34E-02	2.19E-03	1.02E-03
1039	437797.3	3762985	1.28E-02	2.09E-03	9.69E-04
1040	437794.5	3762994	1.21E-02	1.98E-03	9.20E-04
1041	437791.8	3763003	1.15E-02	1.87E-03	8.69E-04
1042	437836	3762848	1.54E-02	2.51E-03	1.16E-03
1043	437836	3762838	1.52E-02	2.48E-03	1.15E-03
1044	437836	3762828	1.49E-02	2.44E-03	1.13E-03
1045	437836	3762818	1.46E-02	2.38E-03	1.11E-03
1046	437836	3762808	1.42E-02	2.32E-03	1.08E-03
1047	437836	3762799	1.38E-02	2.25E-03	1.05E-03
1048	437836	3762789	1.33E-02	2.17E-03	1.01E-03
1049	437836.1	3762779	1.28E-02	2.09E-03	9.68E-04
1050	437836.1	3762769	1.23E-02	2.01E-03	9.32E-04
1051	437836.1	3762759	1.18E-02	1.93E-03	8.95E-04
1052	437836.1	3762750	1.13E-02	1.84E-03	8.54E-04
1053	437836.1	3762740	1.07E-02	1.75E-03	8.13E-04
1054	437836.1	3762730	1.02E-02	1.66E-03	7.72E-04
1055	437836.1	3762720	9.65E-03	1.58E-03	7.31E-04
1056	437844.8	3762894	1.46E-02	2.38E-03	1.10E-03
1057	437842	3762904	1.45E-02	2.38E-03	1.10E-03
1058	437839.2	3762913	1.45E-02	2.37E-03	1.10E-03
1059	437836.4	3762922	1.44E-02	2.35E-03	1.09E-03
1060	437833.6	3762931	1.42E-02	2.33E-03	1.08E-03
1061	437830.8	3762940	1.40E-02	2.29E-03	1.06E-03
1062	437828	3762950	1.37E-02	2.25E-03	1.04E-03
1063	437825.2	3762959	1.34E-02	2.19E-03	1.02E-03
1064	437822.4	3762968	1.30E-02	2.12E-03	9.86E-04
1065	437819.6	3762977	1.25E-02	2.05E-03	9.50E-04
1066	437816.8	3762986	1.20E-02	1.96E-03	9.11E-04
1067	437856	3762848	1.37E-02	2.24E-03	1.04E-03
1068	437856	3762838	1.35E-02	2.21E-03	1.02E-03
1069	437856	3762828	1.33E-02	2.17E-03	1.01E-03
1070	437856	3762818	1.30E-02	2.12E-03	9.84E-04
1071	437856	3762808	1.27E-02	2.07E-03	9.59E-04
1072	437856	3762799	1.23E-02	2.01E-03	9.31E-04
1073	437856	3762789	1.19E-02	1.94E-03	9.01E-04
1074	437856.1	3762779	1.15E-02	1.87E-03	8.70E-04
1075	437856.1	3762769	1.10E-02	1.80E-03	8.36E-04
1076	437856.1	3762759	1.06E-02	1.73E-03	8.02E-04
1077	437856.1	3762750	1.01E-02	1.65E-03	7.67E-04
1078	437856.1	3762740	9.66E-03	1.58E-03	7.32E-04
1079	437856.1	3762730	9.20E-03	1.50E-03	6.97E-04
1080	437856.1	3762720	8.74E-03	1.43E-03	6.62E-04
1081	437874.9	3762894	1.25E-02	2.04E-03	9.46E-04
1082	437872.1	3762903	1.25E-02	2.05E-03	9.49E-04
1083	437869.4	3762912	1.25E-02	2.05E-03	9.50E-04
1084	437866.6	3762921	1.25E-02	2.04E-03	9.47E-04
1085	437863.8	3762930	1.24E-02	2.03E-03	9.40E-04
1086	437861.1	3762940	1.23E-02	2.01E-03	9.31E-04

1087	437858.3	3762949	1.21E-02	1.98E-03	9.18E-04
1088	437855.5	3762958	1.19E-02	1.94E-03	9.01E-04
1089	437852.8	3762967	1.16E-02	1.90E-03	8.81E-04
1090	437850	3762976	1.13E-02	1.85E-03	8.59E-04
1091	437847.2	3762985	1.10E-02	1.80E-03	8.34E-04
1092	437844.5	3762994	1.06E-02	1.74E-03	8.06E-04
1093	437841.7	3763003	1.02E-02	1.67E-03	7.75E-04
1094	437838.9	3763013	9.79E-03	1.60E-03	7.42E-04
1095	437836.2	3763022	9.33E-03	1.52E-03	7.07E-04
1096	437833.4	3763031	8.87E-03	1.45E-03	6.72E-04
1097	437886	3762848	1.16E-02	1.90E-03	8.81E-04
1098	437886	3762838	1.15E-02	1.87E-03	8.68E-04
1099	437886	3762828	1.13E-02	1.84E-03	8.53E-04
1100	437886	3762818	1.10E-02	1.80E-03	8.34E-04
1101	437886	3762808	1.07E-02	1.75E-03	8.14E-04
1102	437886	3762799	1.04E-02	1.71E-03	7.92E-04
1103	437886	3762789	1.01E-02	1.66E-03	7.68E-04
1104	437886.1	3762779	9.80E-03	1.60E-03	7.43E-04
1105	437886.1	3762769	9.45E-03	1.54E-03	7.16E-04
1106	437886.1	3762759	9.08E-03	1.48E-03	6.88E-04
1107	437886.1	3762750	8.71E-03	1.42E-03	6.60E-04
1108	437886.1	3762740	8.34E-03	1.36E-03	6.32E-04
1109	437886.1	3762730	7.97E-03	1.30E-03	6.04E-04
1110	437886.1	3762720	7.60E-03	1.24E-03	5.76E-04
1111	437905	3762894	1.08E-02	1.76E-03	8.17E-04
1112	437902.2	3762903	1.09E-02	1.77E-03	8.23E-04
1113	437899.5	3762912	1.09E-02	1.78E-03	8.26E-04
1114	437896.7	3762921	1.09E-02	1.78E-03	8.27E-04
1115	437872.1	3763002	9.48E-03	1.55E-03	7.18E-04
1116	437869.3	3763011	9.16E-03	1.50E-03	6.94E-04
1117	437866.6	3763020	8.83E-03	1.44E-03	6.69E-04
1118	437916	3762848	9.97E-03	1.63E-03	7.56E-04
1119	437916	3762838	9.82E-03	1.60E-03	7.44E-04
1120	437916	3762828	9.64E-03	1.58E-03	7.31E-04
1121	437916	3762818	9.44E-03	1.54E-03	7.15E-04
1122	437916	3762809	9.21E-03	1.51E-03	6.98E-04
1123	437916	3762799	8.98E-03	1.47E-03	6.80E-04
1124	437916	3762789	8.72E-03	1.42E-03	6.61E-04
1125	437916.1	3762779	8.45E-03	1.38E-03	6.40E-04
1126	437916.1	3762769	8.16E-03	1.33E-03	6.19E-04
1127	437916.1	3762759	7.87E-03	1.29E-03	5.96E-04
1128	437916.1	3762750	7.57E-03	1.24E-03	5.73E-04
1129	437916.1	3762740	7.26E-03	1.19E-03	5.50E-04
1130	437916.1	3762730	6.96E-03	1.14E-03	5.27E-04
1131	437916.1	3762720	6.65E-03	1.09E-03	5.04E-04
1132	437934.6	3762895	9.37E-03	1.53E-03	7.10E-04
1133	437931.7	3762904	9.46E-03	1.54E-03	7.17E-04
1134	437928.9	3762914	9.53E-03	1.56E-03	7.22E-04
1135	437926.1	3762923	9.57E-03	1.56E-03	7.25E-04
1136	437914.7	3762961	9.43E-03	1.54E-03	7.14E-04
1137	437911.8	3762970	9.31E-03	1.52E-03	7.06E-04
1138	437909	3762979	9.17E-03	1.50E-03	6.95E-04

1139	437906.2	3762989	8.99E-03	1.47E-03	6.81E-04
1140	437903.3	3762998	8.80E-03	1.44E-03	6.67E-04
1141	437900.5	3763008	8.59E-03	1.40E-03	6.51E-04
1142	437889.1	3763045	7.47E-03	1.22E-03	5.66E-04
1143	437886.3	3763054	7.14E-03	1.17E-03	5.41E-04
1144	437883.4	3763064	6.80E-03	1.11E-03	5.16E-04
1145	437946	3762848	8.64E-03	1.41E-03	6.55E-04
1146	437946	3762838	8.51E-03	1.39E-03	6.45E-04
1147	437946	3762828	8.35E-03	1.36E-03	6.33E-04
1148	437946	3762818	8.18E-03	1.34E-03	6.20E-04
1149	437946	3762809	7.99E-03	1.30E-03	6.05E-04
1150	437946	3762799	7.79E-03	1.27E-03	5.90E-04
1151	437946	3762789	7.57E-03	1.24E-03	5.74E-04
1152	437946.1	3762779	7.35E-03	1.20E-03	5.57E-04
1153	437946.1	3762769	7.11E-03	1.16E-03	5.39E-04
1154	437946.1	3762760	6.87E-03	1.12E-03	5.20E-04
1155	437946.1	3762750	6.62E-03	1.08E-03	5.02E-04
1156	437946.1	3762740	6.37E-03	1.04E-03	4.83E-04
1157	437946.1	3762730	6.12E-03	1.00E-03	4.64E-04
1158	437946.1	3762720	5.88E-03	9.60E-04	4.45E-04
1159	437945	3762960	8.44E-03	1.38E-03	6.40E-04
1160	437942.2	3762969	8.39E-03	1.37E-03	6.36E-04
1161	437939.3	3762978	8.31E-03	1.36E-03	6.30E-04
1162	437936.5	3762988	8.21E-03	1.34E-03	6.22E-04
1163	437933.7	3762997	8.08E-03	1.32E-03	6.12E-04
1164	437930.9	3763006	7.92E-03	1.29E-03	6.00E-04
1165	437919.6	3763043	7.09E-03	1.16E-03	5.37E-04
1166	437916.8	3763053	6.83E-03	1.12E-03	5.18E-04
1167	437914	3763062	6.56E-03	1.07E-03	4.97E-04
1168	437911.2	3763071	6.29E-03	1.03E-03	4.76E-04
1169	437908.4	3763081	6.00E-03	9.81E-04	4.55E-04
1170	437992	3762904	7.33E-03	1.20E-03	5.55E-04
1171	437989.2	3762913	7.42E-03	1.21E-03	5.62E-04
1172	437986.4	3762922	7.49E-03	1.22E-03	5.68E-04
1173	437983.6	3762931	7.54E-03	1.23E-03	5.71E-04
1174	437980.8	3762941	7.58E-03	1.24E-03	5.74E-04
1175	437978	3762950	7.60E-03	1.24E-03	5.76E-04
1176	437975.2	3762959	7.60E-03	1.24E-03	5.76E-04
1177	437950.1	3763042	6.65E-03	1.09E-03	5.04E-04
1178	437947.3	3763051	6.45E-03	1.05E-03	4.89E-04
1179	437944.5	3763060	6.24E-03	1.02E-03	4.73E-04
1180	437941.7	3763070	6.02E-03	9.83E-04	4.56E-04
1181	437938.9	3763079	5.79E-03	9.46E-04	4.39E-04
1182	437936.1	3763088	5.56E-03	9.08E-04	4.21E-04
1183	437933.3	3763097	5.32E-03	8.69E-04	4.03E-04
1184	438006	3762838	6.51E-03	1.06E-03	4.93E-04
1185	438006	3762828	6.41E-03	1.05E-03	4.86E-04
1186	438006	3762818	6.30E-03	1.03E-03	4.77E-04
1187	438006	3762809	6.16E-03	1.01E-03	4.67E-04
1188	438006	3762799	6.01E-03	9.82E-04	4.56E-04
1189	438006	3762789	5.86E-03	9.57E-04	4.44E-04
1190	438006.1	3762779	5.70E-03	9.31E-04	4.32E-04

1191	438006.1	3762769	5.54E-03	9.04E-04	4.19E-04
1192	438006.1	3762760	5.37E-03	8.77E-04	4.07E-04
1193	438006.1	3762750	5.19E-03	8.48E-04	3.94E-04
1194	438006.1	3762740	5.02E-03	8.20E-04	3.80E-04
1195	438006.1	3762730	4.85E-03	7.92E-04	3.67E-04
1196	438006.1	3762720	4.67E-03	7.64E-04	3.54E-04
1197	438022.1	3762903	6.53E-03	1.07E-03	4.95E-04
1198	438019.3	3762913	6.62E-03	1.08E-03	5.02E-04
1199	438016.5	3762922	6.70E-03	1.10E-03	5.08E-04
1200	438013.8	3762931	6.77E-03	1.11E-03	5.13E-04
1201	438011	3762940	6.81E-03	1.11E-03	5.16E-04
1202	438008.2	3762949	6.84E-03	1.12E-03	5.18E-04
1203	438005.4	3762958	6.85E-03	1.12E-03	5.19E-04
1204	438002.7	3762968	6.85E-03	1.12E-03	5.19E-04
1205	437999.9	3762977	6.84E-03	1.12E-03	5.18E-04
1206	437997.1	3762986	6.80E-03	1.11E-03	5.16E-04
1207	437994.3	3762995	6.75E-03	1.10E-03	5.12E-04
1208	437991.6	3763004	6.68E-03	1.09E-03	5.06E-04
1209	437988.8	3763013	6.59E-03	1.08E-03	5.00E-04
1210	437986	3763022	6.48E-03	1.06E-03	4.91E-04
1211	437983.2	3763032	6.34E-03	1.04E-03	4.81E-04
1212	437980.5	3763041	6.19E-03	1.01E-03	4.69E-04
1213	437977.7	3763050	6.04E-03	9.86E-04	4.57E-04
1214	437974.9	3763059	5.88E-03	9.60E-04	4.45E-04
1215	438036	3762838	5.80E-03	9.47E-04	4.39E-04
1216	438036	3762828	5.70E-03	9.31E-04	4.32E-04
1217	438036	3762819	5.59E-03	9.12E-04	4.23E-04
1218	438036	3762809	5.47E-03	8.93E-04	4.14E-04
1219	438036	3762799	5.34E-03	8.73E-04	4.05E-04
1220	438036	3762789	5.21E-03	8.52E-04	3.95E-04
1221	438036.1	3762779	5.08E-03	8.29E-04	3.85E-04
1222	438036.1	3762769	4.94E-03	8.06E-04	3.74E-04
1223	438036.1	3762760	4.79E-03	7.83E-04	3.63E-04
1224	438036.1	3762750	4.65E-03	7.59E-04	3.52E-04
1225	438036.1	3762740	4.50E-03	7.35E-04	3.41E-04
1226	438036.1	3762730	4.35E-03	7.11E-04	3.30E-04
1227	438036.1	3762720	4.21E-03	6.87E-04	3.19E-04
1228	438052.2	3762903	5.85E-03	9.56E-04	4.44E-04
1229	438049.4	3762912	5.94E-03	9.70E-04	4.50E-04
1230	438046.6	3762921	6.01E-03	9.82E-04	4.55E-04
1231	438035.6	3762958	6.18E-03	1.01E-03	4.68E-04
1232	438032.9	3762967	6.20E-03	1.01E-03	4.69E-04
1233	438030.1	3762976	6.20E-03	1.01E-03	4.70E-04
1234	438027.3	3762985	6.18E-03	1.01E-03	4.68E-04
1235	438024.6	3762994	6.15E-03	1.01E-03	4.66E-04
1236	438021.8	3763003	6.11E-03	9.98E-04	4.63E-04
1237	438019.1	3763012	6.05E-03	9.88E-04	4.58E-04
1238	438016.3	3763021	5.97E-03	9.76E-04	4.53E-04
1239	438013.6	3763031	5.87E-03	9.59E-04	4.45E-04
1240	438010.8	3763040	5.75E-03	9.39E-04	4.36E-04
1241	438008	3763049	5.64E-03	9.22E-04	4.28E-04
1242	438005.3	3763058	5.52E-03	9.02E-04	4.18E-04

1243	438002.5	3763067	5.39E-03	8.80E-04	4.08E-04
1244	437999.8	3763076	5.25E-03	8.57E-04	3.98E-04
1245	437997	3763085	5.10E-03	8.34E-04	3.87E-04
1246	437994.3	3763094	4.96E-03	8.10E-04	3.75E-04
1247	437991.5	3763103	4.80E-03	7.84E-04	3.64E-04
1248	437988.8	3763112	4.64E-03	7.58E-04	3.51E-04
1249	437986	3763121	4.47E-03	7.30E-04	3.39E-04
1250	437983.2	3763131	4.30E-03	7.02E-04	3.26E-04
1251	438066	3762838	5.17E-03	8.45E-04	3.92E-04
1252	438066	3762828	5.08E-03	8.31E-04	3.85E-04
1253	438066	3762819	4.99E-03	8.15E-04	3.78E-04
1254	438066	3762809	4.89E-03	7.98E-04	3.70E-04
1255	438066	3762799	4.78E-03	7.81E-04	3.62E-04
1256	438066	3762789	4.67E-03	7.62E-04	3.54E-04
1257	438066.1	3762779	4.55E-03	7.43E-04	3.45E-04
1258	438066.1	3762770	4.43E-03	7.24E-04	3.36E-04
1259	438066.1	3762760	4.31E-03	7.04E-04	3.26E-04
1260	438066.1	3762750	4.18E-03	6.83E-04	3.17E-04
1261	438066.1	3762740	4.06E-03	6.63E-04	3.07E-04
1262	438066.1	3762730	3.93E-03	6.42E-04	2.98E-04
1263	438066.1	3762720	3.80E-03	6.22E-04	2.88E-04
1264	438081.8	3762904	5.28E-03	8.62E-04	4.00E-04
1265	438079	3762914	5.35E-03	8.74E-04	4.06E-04
1266	438076.1	3762923	5.42E-03	8.85E-04	4.11E-04
1267	438067.7	3762951	5.55E-03	9.07E-04	4.21E-04
1268	438064.8	3762960	5.57E-03	9.11E-04	4.22E-04
1269	438062	3762970	5.59E-03	9.13E-04	4.23E-04
1270	438059.2	3762979	5.59E-03	9.13E-04	4.24E-04
1271	438056.4	3762988	5.58E-03	9.12E-04	4.23E-04
1272	438053.5	3762998	5.57E-03	9.09E-04	4.22E-04
1273	438050.7	3763007	5.54E-03	9.05E-04	4.20E-04
1274	438039.4	3763044	5.29E-03	8.64E-04	4.01E-04
1275	438036.6	3763054	5.20E-03	8.49E-04	3.94E-04
1276	438033.7	3763063	5.10E-03	8.33E-04	3.86E-04
1277	438030.9	3763072	4.99E-03	8.15E-04	3.78E-04
1278	438028.1	3763082	4.87E-03	7.96E-04	3.69E-04
1279	438025.2	3763091	4.75E-03	7.77E-04	3.60E-04
1280	438022.4	3763100	4.63E-03	7.56E-04	3.51E-04
1281	438019.6	3763110	4.49E-03	7.34E-04	3.40E-04
1282	438016.8	3763119	4.35E-03	7.11E-04	3.30E-04
1283	438013.9	3763128	4.21E-03	6.88E-04	3.19E-04
1284	438011.1	3763138	4.06E-03	6.63E-04	3.08E-04
1285	438008.3	3763147	3.91E-03	6.39E-04	2.96E-04
1286	438096	3762838	4.64E-03	7.59E-04	3.52E-04
1287	438096	3762828	4.56E-03	7.46E-04	3.46E-04
1288	438096	3762819	4.48E-03	7.32E-04	3.40E-04
1289	438096	3762809	4.39E-03	7.18E-04	3.33E-04
1290	438096	3762799	4.30E-03	7.02E-04	3.26E-04
1291	438096	3762789	4.20E-03	6.86E-04	3.18E-04
1292	438096.1	3762779	4.10E-03	6.70E-04	3.11E-04
1293	438096.1	3762770	4.00E-03	6.53E-04	3.03E-04
1294	438096.1	3762760	3.89E-03	6.35E-04	2.95E-04

1295	438096.1	3762750	3.78E-03	6.18E-04	2.87E-04
1296	438096.1	3762740	3.67E-03	6.00E-04	2.78E-04
1297	438096.1	3762730	3.57E-03	5.83E-04	2.70E-04
1298	438096.1	3762721	3.46E-03	5.65E-04	2.62E-04
1299	438111.9	3762904	4.75E-03	7.76E-04	3.60E-04
1300	438109.1	3762913	4.82E-03	7.88E-04	3.65E-04
1301	438106.3	3762923	4.89E-03	7.98E-04	3.70E-04
1302	438097.9	3762951	5.03E-03	8.21E-04	3.81E-04
1303	438095	3762960	5.05E-03	8.26E-04	3.83E-04
1304	438092.2	3762969	5.07E-03	8.29E-04	3.84E-04
1305	438089.4	3762978	5.08E-03	8.30E-04	3.85E-04
1306	438086.6	3762988	5.08E-03	8.31E-04	3.85E-04
1307	438083.8	3762997	5.08E-03	8.30E-04	3.85E-04
1308	438081	3763006	5.06E-03	8.27E-04	3.84E-04
1309	438078.2	3763015	5.04E-03	8.23E-04	3.82E-04
1310	438069.8	3763043	4.90E-03	8.00E-04	3.71E-04
1311	438066.9	3763052	4.85E-03	7.92E-04	3.67E-04
1312	438064.1	3763062	4.78E-03	7.81E-04	3.62E-04
1313	438061.3	3763071	4.69E-03	7.66E-04	3.55E-04
1314	438058.5	3763080	4.60E-03	7.52E-04	3.49E-04
1315	438055.7	3763090	4.51E-03	7.37E-04	3.42E-04
1316	438052.9	3763099	4.41E-03	7.21E-04	3.34E-04
1317	438126	3762838	4.19E-03	6.84E-04	3.17E-04
1318	438126	3762828	4.12E-03	6.73E-04	3.12E-04
1319	438126	3762819	4.04E-03	6.60E-04	3.06E-04
1320	438126	3762809	3.96E-03	6.47E-04	3.00E-04
1321	438126	3762799	3.88E-03	6.34E-04	2.94E-04
1322	438126	3762789	3.80E-03	6.20E-04	2.88E-04
1323	438126.1	3762779	3.71E-03	6.06E-04	2.81E-04
1324	438126.1	3762770	3.62E-03	5.91E-04	2.74E-04
1325	438126.1	3762760	3.53E-03	5.76E-04	2.67E-04
1326	438126.1	3762750	3.43E-03	5.61E-04	2.60E-04
1327	438126.1	3762740	3.34E-03	5.46E-04	2.53E-04
1328	438126.1	3762730	3.25E-03	5.30E-04	2.46E-04
1329	438126.1	3762721	3.15E-03	5.15E-04	2.39E-04
1330	438142	3762904	4.30E-03	7.02E-04	3.26E-04
1331	438139.2	3762913	4.37E-03	7.13E-04	3.31E-04
1332	438136.4	3762922	4.43E-03	7.23E-04	3.36E-04
1333	438116.8	3762987	4.66E-03	7.61E-04	3.53E-04
1334	438114.1	3762996	4.66E-03	7.62E-04	3.53E-04
1335	438111.3	3763005	4.66E-03	7.61E-04	3.53E-04
1336	438108.5	3763015	4.65E-03	7.59E-04	3.52E-04
1337	438100.1	3763042	4.56E-03	7.45E-04	3.46E-04
1338	438097.3	3763051	4.52E-03	7.38E-04	3.42E-04
1339	438094.5	3763061	4.47E-03	7.30E-04	3.39E-04
1340	438091.7	3763070	4.41E-03	7.20E-04	3.34E-04
1341	438088.9	3763079	4.34E-03	7.09E-04	3.29E-04
1342	438086.1	3763088	4.27E-03	6.98E-04	3.24E-04
1343	438083.3	3763097	4.19E-03	6.85E-04	3.18E-04
1344	438072.2	3763134	3.81E-03	6.22E-04	2.88E-04
1345	438069.4	3763143	3.70E-03	6.04E-04	2.80E-04
1346	438066.6	3763153	3.59E-03	5.86E-04	2.72E-04

1347	438063.8	3763162	3.47E-03	5.68E-04	2.63E-04
1348	438061	3763171	3.36E-03	5.49E-04	2.54E-04
1349	438058.2	3763180	3.25E-03	5.32E-04	2.47E-04
1350	438156	3762838	3.79E-03	6.19E-04	2.87E-04
1351	438156	3762829	3.72E-03	6.08E-04	2.82E-04
1352	438156	3762819	3.66E-03	5.97E-04	2.77E-04
1353	438156	3762809	3.59E-03	5.86E-04	2.72E-04
1354	438156	3762799	3.51E-03	5.74E-04	2.66E-04
1355	438156	3762789	3.44E-03	5.62E-04	2.61E-04
1356	438156.1	3762779	3.36E-03	5.49E-04	2.55E-04
1357	438156.1	3762770	3.28E-03	5.37E-04	2.49E-04
1358	438156.1	3762760	3.20E-03	5.23E-04	2.43E-04
1359	438156.1	3762750	3.12E-03	5.10E-04	2.37E-04
1360	438156.1	3762740	3.05E-03	4.98E-04	2.31E-04
1361	438156.1	3762730	2.96E-03	4.84E-04	2.25E-04
1362	438156.1	3762721	2.88E-03	4.71E-04	2.18E-04
1363	438181.8	3762905	3.80E-03	6.20E-04	2.88E-04
1364	438179	3762914	3.86E-03	6.30E-04	2.92E-04
1365	438176.2	3762923	3.91E-03	6.39E-04	2.96E-04
1366	438173.4	3762932	3.96E-03	6.48E-04	3.00E-04
1367	438170.5	3762942	4.01E-03	6.55E-04	3.04E-04
1368	438167.7	3762951	4.05E-03	6.62E-04	3.07E-04
1369	438164.9	3762960	4.09E-03	6.68E-04	3.10E-04
1370	438162.1	3762970	4.12E-03	6.73E-04	3.12E-04
1371	438159.3	3762979	4.14E-03	6.77E-04	3.14E-04
1372	438156.4	3762988	4.16E-03	6.80E-04	3.15E-04
1373	438153.6	3762998	4.18E-03	6.82E-04	3.16E-04
1374	438150.8	3763007	4.18E-03	6.83E-04	3.17E-04
1375	438148	3763016	4.18E-03	6.84E-04	3.17E-04
1376	438145.1	3763026	4.18E-03	6.82E-04	3.17E-04
1377	438142.3	3763035	4.16E-03	6.80E-04	3.16E-04
1378	438139.5	3763044	4.15E-03	6.77E-04	3.14E-04
1379	438111.3	3763137	3.56E-03	5.82E-04	2.70E-04
1380	438108.5	3763147	3.47E-03	5.67E-04	2.63E-04
1381	438105.6	3763156	3.40E-03	5.55E-04	2.57E-04
1382	438102.8	3763165	3.30E-03	5.39E-04	2.50E-04
1383	438100	3763174	3.20E-03	5.23E-04	2.43E-04
1384	438097.2	3763184	3.10E-03	5.06E-04	2.35E-04
1385	438094.3	3763193	2.99E-03	4.89E-04	2.27E-04
1386	438091.5	3763202	2.89E-03	4.72E-04	2.19E-04
1387	438196	3762838	3.33E-03	5.44E-04	2.52E-04
1388	438196	3762829	3.27E-03	5.35E-04	2.48E-04
1389	438196	3762819	3.22E-03	5.25E-04	2.44E-04
1390	438196	3762809	3.16E-03	5.16E-04	2.39E-04
1391	438196	3762799	3.10E-03	5.06E-04	2.35E-04
1392	438196	3762789	3.04E-03	4.96E-04	2.30E-04
1393	438196.1	3762780	2.97E-03	4.86E-04	2.25E-04
1394	438196.1	3762770	2.91E-03	4.75E-04	2.20E-04
1395	438196.1	3762760	2.84E-03	4.64E-04	2.15E-04
1396	438196.1	3762750	2.77E-03	4.53E-04	2.10E-04
1397	438196.1	3762740	2.71E-03	4.42E-04	2.05E-04
1398	438196.1	3762730	2.64E-03	4.31E-04	2.00E-04

1399	438196.1	3762721	2.57E-03	4.21E-04	1.95E-04
1400	438222	3762904	3.35E-03	5.47E-04	2.54E-04
1401	438219.3	3762913	3.41E-03	5.57E-04	2.58E-04
1402	438216.5	3762922	3.46E-03	5.66E-04	2.63E-04
1403	438213.7	3762931	3.51E-03	5.74E-04	2.66E-04
1404	438210.9	3762941	3.55E-03	5.81E-04	2.69E-04
1405	438208.2	3762950	3.59E-03	5.87E-04	2.72E-04
1406	438205.4	3762959	3.63E-03	5.93E-04	2.75E-04
1407	438202.6	3762968	3.66E-03	5.98E-04	2.77E-04
1408	438199.8	3762977	3.69E-03	6.03E-04	2.80E-04
1409	438197	3762986	3.71E-03	6.06E-04	2.81E-04
1410	438194.3	3762996	3.73E-03	6.10E-04	2.83E-04
1411	438191.5	3763005	3.74E-03	6.12E-04	2.84E-04
1412	438188.7	3763014	3.75E-03	6.13E-04	2.84E-04
1413	438185.9	3763023	3.76E-03	6.14E-04	2.85E-04
1414	438183.1	3763032	3.76E-03	6.14E-04	2.85E-04
1415	438180.4	3763041	3.75E-03	6.13E-04	2.84E-04
1416	438177.6	3763051	3.74E-03	6.10E-04	2.83E-04
1417	438174.8	3763060	3.72E-03	6.08E-04	2.82E-04
1418	438172	3763069	3.70E-03	6.04E-04	2.80E-04
1419	438169.2	3763078	3.67E-03	5.99E-04	2.78E-04
1420	438166.5	3763087	3.63E-03	5.94E-04	2.75E-04
1421	438163.7	3763096	3.59E-03	5.87E-04	2.72E-04
1422	438160.9	3763106	3.55E-03	5.79E-04	2.69E-04
1423	438158.1	3763115	3.49E-03	5.71E-04	2.65E-04
1424	438155.3	3763124	3.43E-03	5.61E-04	2.60E-04
1425	438152.6	3763133	3.37E-03	5.50E-04	2.55E-04
1426	438149.8	3763142	3.30E-03	5.38E-04	2.50E-04
1427	438147	3763151	3.24E-03	5.30E-04	2.46E-04
1428	438144.2	3763161	3.17E-03	5.18E-04	2.40E-04
1429	438141.4	3763170	3.09E-03	5.05E-04	2.34E-04
1430	438138.7	3763179	3.02E-03	4.93E-04	2.29E-04
1431	438135.9	3763188	2.94E-03	4.80E-04	2.22E-04
1432	438133.1	3763197	2.85E-03	4.66E-04	2.16E-04
1433	438130.3	3763206	2.77E-03	4.52E-04	2.10E-04
1434	438127.6	3763216	2.68E-03	4.38E-04	2.03E-04
1435	438236	3762838	2.96E-03	4.84E-04	2.24E-04
1436	438236	3762829	2.91E-03	4.76E-04	2.21E-04
1437	438236	3762819	2.86E-03	4.68E-04	2.17E-04
1438	438236	3762809	2.81E-03	4.59E-04	2.13E-04
1439	438236	3762799	2.76E-03	4.51E-04	2.09E-04
1440	438236	3762789	2.70E-03	4.42E-04	2.05E-04
1441	438236.1	3762780	2.65E-03	4.33E-04	2.01E-04
1442	438236.1	3762770	2.59E-03	4.24E-04	1.96E-04
1443	438236.1	3762760	2.54E-03	4.14E-04	1.92E-04
1444	438236.1	3762750	2.48E-03	4.05E-04	1.88E-04
1445	438261.9	3762904	2.97E-03	4.86E-04	2.25E-04
1446	438259.1	3762914	3.02E-03	4.94E-04	2.29E-04
1447	438256.3	3762923	3.07E-03	5.02E-04	2.33E-04
1448	438253.5	3762932	3.12E-03	5.09E-04	2.36E-04
1449	438250.7	3762941	3.16E-03	5.15E-04	2.39E-04
1450	438247.9	3762951	3.19E-03	5.22E-04	2.42E-04

1451	438245.1	3762960	3.23E-03	5.27E-04	2.45E-04
1452	438242.3	3762969	3.26E-03	5.33E-04	2.47E-04
1453	438239.5	3762978	3.29E-03	5.38E-04	2.49E-04
1454	438236.7	3762988	3.32E-03	5.42E-04	2.51E-04
1455	438233.9	3762997	3.34E-03	5.46E-04	2.53E-04
1456	438231	3763006	3.36E-03	5.48E-04	2.54E-04
1457	438228.2	3763015	3.37E-03	5.51E-04	2.55E-04
1458	438225.4	3763025	3.38E-03	5.52E-04	2.56E-04
1459	438222.6	3763034	3.39E-03	5.54E-04	2.57E-04
1460	438219.8	3763043	3.39E-03	5.54E-04	2.57E-04
1461	438217	3763052	3.39E-03	5.53E-04	2.57E-04
1462	438214.2	3763062	3.38E-03	5.52E-04	2.56E-04
1463	438211.4	3763071	3.36E-03	5.50E-04	2.55E-04
1464	438208.6	3763080	3.35E-03	5.47E-04	2.54E-04
1465	438205.8	3763089	3.32E-03	5.43E-04	2.52E-04
1466	438203	3763099	3.29E-03	5.38E-04	2.50E-04
1467	438200.2	3763108	3.26E-03	5.32E-04	2.47E-04
1468	438197.4	3763117	3.22E-03	5.26E-04	2.44E-04
1469	438194.6	3763126	3.17E-03	5.19E-04	2.41E-04
1470	438191.8	3763136	3.13E-03	5.11E-04	2.37E-04
1471	438189	3763145	3.07E-03	5.02E-04	2.33E-04
1472	438186.2	3763154	3.02E-03	4.93E-04	2.29E-04
1473	438183.3	3763163	2.97E-03	4.86E-04	2.25E-04
1474	438180.5	3763173	2.91E-03	4.75E-04	2.21E-04
1475	438177.7	3763182	2.85E-03	4.65E-04	2.16E-04
1476	438174.9	3763191	2.78E-03	4.54E-04	2.11E-04
1477	438172.1	3763201	2.71E-03	4.43E-04	2.06E-04
1478	438169.3	3763210	2.65E-03	4.32E-04	2.01E-04
1479	438166.5	3763219	2.58E-03	4.21E-04	1.95E-04
1480	438163.7	3763228	2.51E-03	4.10E-04	1.90E-04
1481	438160.9	3763238	2.44E-03	3.98E-04	1.85E-04
1482	438158.1	3763247	2.36E-03	3.86E-04	1.79E-04
1483	438276	3762838	2.65E-03	4.33E-04	2.01E-04
1484	438276	3762829	2.61E-03	4.27E-04	1.98E-04
1485	438276	3762819	2.58E-03	4.21E-04	1.95E-04
1486	438276	3762809	2.54E-03	4.14E-04	1.92E-04
1487	438276	3762799	2.49E-03	4.07E-04	1.89E-04
1488	438276	3762789	2.44E-03	3.99E-04	1.85E-04
1489	438276.1	3762780	2.40E-03	3.92E-04	1.82E-04
1490	438276.1	3762770	2.35E-03	3.84E-04	1.78E-04
1491	438276.1	3762760	2.30E-03	3.76E-04	1.74E-04
1492	438276.1	3762750	2.25E-03	3.68E-04	1.71E-04
1493	438301.8	3762905	2.68E-03	4.38E-04	2.03E-04
1494	438299	3762914	2.73E-03	4.45E-04	2.07E-04
1495	438296.1	3762924	2.76E-03	4.52E-04	2.09E-04
1496	438293.3	3762933	2.80E-03	4.58E-04	2.12E-04
1497	438290.5	3762942	2.83E-03	4.63E-04	2.15E-04
1498	438287.6	3762952	2.86E-03	4.68E-04	2.17E-04
1499	438284.8	3762961	2.89E-03	4.72E-04	2.19E-04
1500	438282	3762970	2.92E-03	4.77E-04	2.21E-04
1501	438279.2	3762980	2.95E-03	4.82E-04	2.24E-04
1502	438276.3	3762989	2.98E-03	4.86E-04	2.26E-04

1503	438273.5	3762998	3.00E-03	4.90E-04	2.27E-04
1504	438270.7	3763008	3.02E-03	4.94E-04	2.29E-04
1505	438267.8	3763017	3.04E-03	4.97E-04	2.30E-04
1506	438265	3763026	3.05E-03	4.99E-04	2.31E-04
1507	438262.2	3763036	3.06E-03	5.01E-04	2.32E-04
1508	438259.3	3763045	3.07E-03	5.02E-04	2.33E-04
1509	438256.5	3763054	3.07E-03	5.02E-04	2.33E-04
1510	438253.7	3763064	3.07E-03	5.02E-04	2.33E-04
1511	438250.9	3763073	3.07E-03	5.01E-04	2.32E-04
1512	438248	3763082	3.06E-03	4.99E-04	2.32E-04
1513	438245.2	3763092	3.04E-03	4.97E-04	2.30E-04
1514	438242.4	3763101	3.02E-03	4.93E-04	2.29E-04
1515	438239.5	3763110	3.00E-03	4.90E-04	2.27E-04
1516	438236.7	3763120	2.97E-03	4.85E-04	2.25E-04
1517	438233.9	3763129	2.94E-03	4.80E-04	2.23E-04
1518	438231	3763138	2.90E-03	4.74E-04	2.20E-04
1519	438228.2	3763148	2.86E-03	4.67E-04	2.17E-04
1520	438225.4	3763157	2.82E-03	4.61E-04	2.14E-04
1521	438222.5	3763166	2.77E-03	4.53E-04	2.10E-04
1522	438219.7	3763176	2.72E-03	4.45E-04	2.06E-04
1523	438216.9	3763185	2.69E-03	4.39E-04	2.03E-04
1524	438214.1	3763194	2.63E-03	4.30E-04	1.99E-04
1525	438211.2	3763204	2.58E-03	4.21E-04	1.95E-04
1526	438208.4	3763213	2.52E-03	4.12E-04	1.91E-04
1527	438205.6	3763222	2.46E-03	4.02E-04	1.86E-04
1528	438202.7	3763232	2.40E-03	3.92E-04	1.82E-04
1529	438199.9	3763241	2.34E-03	3.82E-04	1.77E-04
1530	438197.1	3763250	2.27E-03	3.70E-04	1.72E-04
1531	438194.2	3763260	2.20E-03	3.60E-04	1.67E-04
1532	438191.4	3763269	2.14E-03	3.49E-04	1.62E-04
1533	438316	3762839	2.39E-03	3.90E-04	1.81E-04
1534	438316	3762829	2.35E-03	3.85E-04	1.78E-04
1535	438316	3762819	2.32E-03	3.79E-04	1.76E-04
1536	438316	3762809	2.29E-03	3.74E-04	1.73E-04
1537	438316	3762799	2.25E-03	3.67E-04	1.70E-04
1538	438316	3762789	2.21E-03	3.61E-04	1.67E-04
1539	438316.1	3762780	2.17E-03	3.54E-04	1.64E-04
1540	438316.1	3762770	2.13E-03	3.47E-04	1.61E-04
1541	438316.1	3762760	2.08E-03	3.40E-04	1.58E-04
1542	438316.1	3762750	2.04E-03	3.33E-04	1.55E-04
1543	438342	3762904	2.41E-03	3.94E-04	1.83E-04
1544	438339.2	3762913	2.45E-03	4.00E-04	1.86E-04
1545	438336.4	3762923	2.49E-03	4.07E-04	1.89E-04
1546	438333.6	3762932	2.53E-03	4.13E-04	1.91E-04
1547	438330.8	3762941	2.56E-03	4.18E-04	1.94E-04
1548	438328	3762950	2.59E-03	4.23E-04	1.96E-04
1549	438325.2	3762960	2.62E-03	4.28E-04	1.98E-04
1550	438322.4	3762969	2.64E-03	4.32E-04	2.00E-04
1551	438319.6	3762978	2.67E-03	4.36E-04	2.02E-04
1552	438316.8	3762987	2.69E-03	4.39E-04	2.04E-04
1553	438314.1	3762996	2.71E-03	4.43E-04	2.05E-04
1554	438311.3	3763006	2.73E-03	4.46E-04	2.07E-04

1555	438308.5	3763015	2.75E-03	4.48E-04	2.08E-04
1556	438305.7	3763024	2.76E-03	4.51E-04	2.09E-04
1557	438302.9	3763033	2.77E-03	4.53E-04	2.10E-04
1558	438300.1	3763042	2.78E-03	4.54E-04	2.11E-04
1559	438297.3	3763052	2.79E-03	4.55E-04	2.11E-04
1560	438294.5	3763061	2.79E-03	4.56E-04	2.12E-04
1561	438291.7	3763070	2.80E-03	4.57E-04	2.12E-04
1562	438288.9	3763079	2.79E-03	4.57E-04	2.12E-04
1563	438286.1	3763089	2.79E-03	4.55E-04	2.11E-04
1564	438283.3	3763098	2.78E-03	4.54E-04	2.10E-04
1565	438280.5	3763107	2.76E-03	4.52E-04	2.10E-04
1566	438277.7	3763116	2.75E-03	4.49E-04	2.08E-04
1567	438274.9	3763125	2.73E-03	4.46E-04	2.07E-04
1568	438272.2	3763135	2.71E-03	4.42E-04	2.05E-04
1569	438269.4	3763144	2.68E-03	4.38E-04	2.03E-04
1570	438266.6	3763153	2.65E-03	4.33E-04	2.01E-04
1571	438263.8	3763162	2.62E-03	4.28E-04	1.98E-04
1572	438261	3763171	2.58E-03	4.22E-04	1.96E-04
1573	438258.2	3763181	2.54E-03	4.16E-04	1.93E-04
1574	438255.4	3763190	2.50E-03	4.09E-04	1.90E-04
1575	438252.6	3763199	2.46E-03	4.02E-04	1.87E-04
1576	438249.8	3763208	2.42E-03	3.95E-04	1.83E-04
1577	438247	3763217	2.37E-03	3.88E-04	1.80E-04
1578	438244.2	3763227	2.32E-03	3.80E-04	1.76E-04
1579	438241.4	3763236	2.28E-03	3.72E-04	1.72E-04
1580	438238.6	3763245	2.23E-03	3.64E-04	1.69E-04
1581	438235.8	3763254	2.17E-03	3.55E-04	1.65E-04
1582	438233.1	3763264	2.12E-03	3.46E-04	1.61E-04
1583	438230.3	3763273	2.06E-03	3.37E-04	1.56E-04
1584	438227.5	3763282	2.00E-03	3.27E-04	1.52E-04
1585	438224.7	3763291	1.96E-03	3.20E-04	1.48E-04
1586	438353.7	3762998	2.46E-03	4.02E-04	1.87E-04
1587	438350.9	3763007	2.48E-03	4.05E-04	1.88E-04
1588	438348.1	3763016	2.50E-03	4.08E-04	1.89E-04
1589	438345.3	3763025	2.51E-03	4.10E-04	1.90E-04
1590	438342.5	3763035	2.52E-03	4.12E-04	1.91E-04
1591	438339.6	3763044	2.53E-03	4.13E-04	1.92E-04
1592	438336.8	3763053	2.54E-03	4.14E-04	1.92E-04
1593	438334	3763063	2.54E-03	4.16E-04	1.93E-04
1594	438331.2	3763072	2.55E-03	4.17E-04	1.93E-04
1595	438328.4	3763081	2.55E-03	4.17E-04	1.94E-04
1596	438325.6	3763090	2.55E-03	4.17E-04	1.93E-04
1597	438322.7	3763100	2.54E-03	4.16E-04	1.93E-04
1598	438319.9	3763109	2.54E-03	4.14E-04	1.92E-04
1599	438317.1	3763118	2.53E-03	4.13E-04	1.91E-04
1600	438314.3	3763128	2.52E-03	4.11E-04	1.91E-04
1601	438311.5	3763137	2.50E-03	4.09E-04	1.90E-04
1602	438308.7	3763146	2.48E-03	4.05E-04	1.88E-04
1603	438305.9	3763155	2.46E-03	4.02E-04	1.86E-04
1604	438303	3763165	2.43E-03	3.97E-04	1.84E-04
1605	438300.2	3763174	2.40E-03	3.93E-04	1.82E-04
1606	438297.4	3763183	2.39E-03	3.90E-04	1.81E-04

1607	438294.6	3763193	2.35E-03	3.85E-04	1.78E-04
1608	438291.8	3763202	2.32E-03	3.79E-04	1.76E-04
1609	438289	3763211	2.29E-03	3.74E-04	1.73E-04
1610	438286.1	3763220	2.25E-03	3.68E-04	1.71E-04
1611	438283.3	3763230	2.21E-03	3.61E-04	1.68E-04
1612	438280.5	3763239	2.17E-03	3.55E-04	1.65E-04
1613	438277.7	3763248	2.12E-03	3.46E-04	1.61E-04
1614	438274.9	3763258	2.08E-03	3.39E-04	1.57E-04
1615	438272.1	3763267	2.03E-03	3.31E-04	1.54E-04
1616	438269.3	3763276	1.99E-03	3.25E-04	1.51E-04
1617	438266.4	3763285	1.94E-03	3.17E-04	1.47E-04
1618	438263.6	3763295	1.89E-03	3.09E-04	1.43E-04
1619	438260.8	3763304	1.84E-03	3.01E-04	1.39E-04
1620	438258	3763313	1.79E-03	2.92E-04	1.36E-04
1621	438395.9	3762858	2.01E-03	3.29E-04	1.53E-04
1622	438396	3762848	1.99E-03	3.25E-04	1.51E-04
1623	438396	3762839	1.96E-03	3.20E-04	1.49E-04
1624	438396	3762829	1.94E-03	3.16E-04	1.47E-04
1625	438396	3762819	1.91E-03	3.12E-04	1.45E-04
1626	438396	3762809	1.88E-03	3.08E-04	1.43E-04
1627	438396	3762799	1.85E-03	3.03E-04	1.40E-04
1628	438396	3762790	1.82E-03	2.98E-04	1.38E-04
1629	438396.1	3762780	1.79E-03	2.93E-04	1.36E-04
1630	438396.1	3762770	1.76E-03	2.88E-04	1.34E-04
1631	438396.1	3762760	1.73E-03	2.83E-04	1.31E-04
1632	438396.1	3762750	1.70E-03	2.78E-04	1.29E-04
1633	438396.1	3762741	1.67E-03	2.72E-04	1.26E-04
1634	438396.1	3762731	1.64E-03	2.67E-04	1.24E-04
1635	438396.1	3762721	1.60E-03	2.62E-04	1.22E-04
1636	438424.6	3762896	1.97E-03	3.21E-04	1.49E-04
1637	438421.8	3762905	2.00E-03	3.27E-04	1.51E-04
1638	438418.9	3762914	2.03E-03	3.32E-04	1.54E-04
1639	438416.1	3762924	2.06E-03	3.36E-04	1.56E-04
1640	438413.3	3762933	2.09E-03	3.41E-04	1.58E-04
1641	438410.4	3762943	2.12E-03	3.46E-04	1.60E-04
1642	438407.6	3762952	2.14E-03	3.50E-04	1.62E-04
1643	438404.7	3762961	2.17E-03	3.54E-04	1.64E-04
1644	438401.9	3762971	2.19E-03	3.58E-04	1.66E-04
1645	438399.1	3762980	2.21E-03	3.61E-04	1.67E-04
1646	438396.2	3762989	2.23E-03	3.64E-04	1.69E-04
1647	438393.4	3762999	2.25E-03	3.67E-04	1.70E-04
1648	438390.6	3763008	2.26E-03	3.70E-04	1.72E-04
1649	438387.7	3763017	2.28E-03	3.73E-04	1.73E-04
1650	438384.9	3763027	2.29E-03	3.75E-04	1.74E-04
1651	438353.7	3763130	2.32E-03	3.80E-04	1.76E-04
1652	438350.9	3763139	2.31E-03	3.78E-04	1.75E-04
1653	438348	3763148	2.30E-03	3.76E-04	1.74E-04
1654	438345.2	3763158	2.28E-03	3.73E-04	1.73E-04
1655	438342.4	3763167	2.27E-03	3.71E-04	1.72E-04
1656	438339.5	3763176	2.25E-03	3.68E-04	1.71E-04
1657	438336.7	3763186	2.23E-03	3.64E-04	1.69E-04
1658	438333.9	3763195	2.21E-03	3.60E-04	1.67E-04

1659	438331	3763204	2.18E-03	3.56E-04	1.65E-04
1660	438328.2	3763214	2.15E-03	3.52E-04	1.63E-04
1661	438325.3	3763223	2.13E-03	3.47E-04	1.61E-04
1662	438322.5	3763232	2.09E-03	3.41E-04	1.58E-04
1663	438319.7	3763242	2.05E-03	3.35E-04	1.56E-04
1664	438316.8	3763251	2.02E-03	3.30E-04	1.53E-04
1665	438314	3763261	1.98E-03	3.24E-04	1.50E-04
1666	438311.2	3763270	1.94E-03	3.17E-04	1.47E-04
1667	438308.3	3763279	1.90E-03	3.11E-04	1.44E-04
1668	438305.5	3763289	1.86E-03	3.04E-04	1.41E-04
1669	438302.7	3763298	1.82E-03	2.97E-04	1.38E-04
1670	438299.8	3763307	1.78E-03	2.91E-04	1.35E-04
1671	438297	3763317	1.74E-03	2.84E-04	1.32E-04
1672	438294.1	3763326	1.69E-03	2.77E-04	1.28E-04
1673	438291.3	3763335	1.65E-03	2.69E-04	1.25E-04
1674	438435.9	3762858	1.84E-03	3.00E-04	1.39E-04
1675	438436	3762849	1.81E-03	2.96E-04	1.37E-04
1676	438436	3762839	1.79E-03	2.93E-04	1.36E-04
1677	438436	3762829	1.77E-03	2.89E-04	1.34E-04
1678	438436	3762819	1.74E-03	2.85E-04	1.32E-04
1679	438436	3762809	1.72E-03	2.81E-04	1.30E-04
1680	438436	3762799	1.70E-03	2.77E-04	1.28E-04
1681	438436	3762790	1.67E-03	2.73E-04	1.27E-04
1682	438436.1	3762780	1.64E-03	2.69E-04	1.25E-04
1683	438436.1	3762770	1.62E-03	2.64E-04	1.23E-04
1684	438436.1	3762760	1.59E-03	2.60E-04	1.20E-04
1685	438436.1	3762750	1.56E-03	2.55E-04	1.18E-04
1686	438436.1	3762741	1.53E-03	2.51E-04	1.16E-04
1687	438436.1	3762731	1.51E-03	2.46E-04	1.14E-04
1688	438436.1	3762721	1.48E-03	2.41E-04	1.12E-04
1689	438464.7	3762895	1.79E-03	2.92E-04	1.36E-04
1690	438461.9	3762905	1.82E-03	2.97E-04	1.38E-04
1691	438459.1	3762914	1.85E-03	3.01E-04	1.40E-04
1692	438456.3	3762923	1.87E-03	3.06E-04	1.42E-04
1693	438453.5	3762932	1.90E-03	3.10E-04	1.44E-04
1694	438450.7	3762942	1.92E-03	3.14E-04	1.46E-04
1695	438447.9	3762951	1.95E-03	3.18E-04	1.48E-04
1696	438445.1	3762960	1.97E-03	3.22E-04	1.49E-04
1697	438442.3	3762969	1.99E-03	3.25E-04	1.51E-04
1698	438439.5	3762979	2.01E-03	3.29E-04	1.53E-04
1699	438436.7	3762988	2.03E-03	3.32E-04	1.54E-04
1700	438433.9	3762997	2.05E-03	3.35E-04	1.55E-04
1701	438431.1	3763006	2.07E-03	3.38E-04	1.57E-04
1702	438428.3	3763016	2.09E-03	3.41E-04	1.58E-04
1703	438425.5	3763025	2.10E-03	3.43E-04	1.59E-04
1704	438422.7	3763034	2.11E-03	3.45E-04	1.60E-04
1705	438419.9	3763043	2.12E-03	3.46E-04	1.61E-04
1706	438417.1	3763053	2.13E-03	3.48E-04	1.61E-04
1707	438414.3	3763062	2.14E-03	3.49E-04	1.62E-04
1708	438411.5	3763071	2.15E-03	3.51E-04	1.63E-04
1709	438408.7	3763080	2.15E-03	3.51E-04	1.63E-04
1710	438405.9	3763090	2.16E-03	3.52E-04	1.63E-04

1711	438403.1	3763099	2.16E-03	3.53E-04	1.64E-04
1712	438400.3	3763108	2.16E-03	3.53E-04	1.64E-04
1713	438397.5	3763117	2.16E-03	3.53E-04	1.64E-04
1714	438394.7	3763126	2.16E-03	3.52E-04	1.63E-04
1715	438391.9	3763136	2.15E-03	3.52E-04	1.63E-04
1716	438389	3763145	2.15E-03	3.51E-04	1.63E-04
1717	438386.2	3763154	2.14E-03	3.49E-04	1.62E-04
1718	438352.6	3763265	1.88E-03	3.08E-04	1.43E-04
1719	438349.8	3763274	1.85E-03	3.02E-04	1.40E-04
1720	438347	3763284	1.82E-03	2.97E-04	1.38E-04
1721	438344.2	3763293	1.78E-03	2.91E-04	1.35E-04
1722	438341.4	3763302	1.75E-03	2.85E-04	1.32E-04
1723	438338.6	3763311	1.71E-03	2.79E-04	1.29E-04
1724	438335.8	3763321	1.67E-03	2.73E-04	1.27E-04
1725	438333	3763330	1.64E-03	2.68E-04	1.24E-04
1726	438330.2	3763339	1.60E-03	2.61E-04	1.21E-04
1727	438327.4	3763348	1.56E-03	2.55E-04	1.18E-04
1728	438324.6	3763358	1.52E-03	2.48E-04	1.15E-04
1729	438475.9	3762858	1.68E-03	2.75E-04	1.27E-04
1730	438476	3762849	1.67E-03	2.72E-04	1.26E-04
1731	438476	3762839	1.65E-03	2.69E-04	1.25E-04
1732	438476	3762829	1.63E-03	2.66E-04	1.23E-04
1733	438476	3762819	1.61E-03	2.63E-04	1.22E-04
1734	438476	3762809	1.58E-03	2.59E-04	1.20E-04
1735	438476	3762800	1.56E-03	2.55E-04	1.18E-04
1736	438476	3762790	1.54E-03	2.51E-04	1.17E-04
1737	438476.1	3762780	1.51E-03	2.47E-04	1.15E-04
1738	438476.1	3762770	1.49E-03	2.43E-04	1.13E-04
1739	438476.1	3762760	1.46E-03	2.39E-04	1.11E-04
1740	438476.1	3762750	1.44E-03	2.35E-04	1.09E-04
1741	438476.1	3762741	1.41E-03	2.31E-04	1.07E-04
1742	438476.1	3762731	1.39E-03	2.27E-04	1.05E-04
1743	438476.1	3762721	1.36E-03	2.23E-04	1.03E-04
1744	438504.7	3762896	1.64E-03	2.68E-04	1.24E-04
1745	438501.8	3762905	1.66E-03	2.72E-04	1.26E-04
1746	438499	3762914	1.69E-03	2.76E-04	1.28E-04
1747	438496.2	3762924	1.72E-03	2.80E-04	1.30E-04
1748	438493.4	3762933	1.74E-03	2.84E-04	1.32E-04
1749	438490.5	3762942	1.76E-03	2.88E-04	1.34E-04
1750	438487.7	3762952	1.79E-03	2.92E-04	1.35E-04
1751	438484.9	3762961	1.81E-03	2.95E-04	1.37E-04
1752	438482.1	3762970	1.83E-03	2.98E-04	1.38E-04
1753	438479.3	3762979	1.84E-03	3.01E-04	1.40E-04
1754	438476.4	3762989	1.86E-03	3.04E-04	1.41E-04
1755	438473.6	3762998	1.88E-03	3.07E-04	1.42E-04
1756	438470.8	3763007	1.89E-03	3.09E-04	1.43E-04
1757	438468	3763017	1.91E-03	3.12E-04	1.45E-04
1758	438465.1	3763026	1.92E-03	3.14E-04	1.46E-04
1759	438462.3	3763035	1.94E-03	3.17E-04	1.47E-04
1760	438459.5	3763045	1.95E-03	3.19E-04	1.48E-04
1761	438456.7	3763054	1.96E-03	3.20E-04	1.49E-04
1762	438453.9	3763063	1.97E-03	3.22E-04	1.49E-04

1763	438451	3763073	1.98E-03	3.23E-04	1.50E-04
1764	438448.2	3763082	1.98E-03	3.24E-04	1.50E-04
1765	438445.4	3763091	1.99E-03	3.25E-04	1.51E-04
1766	438442.6	3763100	1.99E-03	3.26E-04	1.51E-04
1767	438439.7	3763110	2.00E-03	3.26E-04	1.51E-04
1768	438436.9	3763119	2.00E-03	3.26E-04	1.51E-04
1769	438434.1	3763128	2.00E-03	3.26E-04	1.51E-04
1770	438431.3	3763138	2.00E-03	3.26E-04	1.51E-04
1771	438428.5	3763147	2.00E-03	3.26E-04	1.51E-04
1772	438425.6	3763156	1.99E-03	3.25E-04	1.51E-04
1773	438422.8	3763166	1.99E-03	3.25E-04	1.51E-04
1774	438420	3763175	1.98E-03	3.23E-04	1.50E-04
1775	438417.2	3763184	1.97E-03	3.21E-04	1.49E-04
1776	438414.3	3763194	1.95E-03	3.19E-04	1.48E-04
1777	438411.5	3763203	1.94E-03	3.16E-04	1.47E-04
1778	438408.7	3763212	1.92E-03	3.13E-04	1.45E-04
1779	438405.9	3763221	1.90E-03	3.10E-04	1.44E-04
1780	438403.1	3763231	1.88E-03	3.07E-04	1.42E-04
1781	438400.2	3763240	1.86E-03	3.04E-04	1.41E-04
1782	438397.4	3763249	1.84E-03	3.01E-04	1.39E-04
1783	438394.6	3763259	1.82E-03	2.97E-04	1.38E-04
1784	438391.8	3763268	1.79E-03	2.93E-04	1.36E-04
1785	438388.9	3763277	1.77E-03	2.89E-04	1.34E-04
1786	438515.9	3762858	1.55E-03	2.53E-04	1.17E-04
1787	438516	3762849	1.53E-03	2.50E-04	1.16E-04
1788	438516	3762839	1.52E-03	2.48E-04	1.15E-04
1789	438516	3762829	1.50E-03	2.45E-04	1.14E-04
1790	438516	3762819	1.48E-03	2.42E-04	1.12E-04
1791	438516	3762809	1.46E-03	2.39E-04	1.11E-04
1792	438516	3762800	1.44E-03	2.35E-04	1.09E-04
1793	438516	3762790	1.42E-03	2.32E-04	1.08E-04
1794	438516.1	3762780	1.40E-03	2.28E-04	1.06E-04
1795	438516.1	3762770	1.38E-03	2.25E-04	1.04E-04
1796	438516.1	3762760	1.35E-03	2.21E-04	1.03E-04
1797	438516.1	3762751	1.33E-03	2.18E-04	1.01E-04
1798	438516.1	3762741	1.31E-03	2.14E-04	9.93E-05
1799	438516.1	3762731	1.29E-03	2.10E-04	9.76E-05
1800	438516.1	3762721	1.27E-03	2.07E-04	9.59E-05
1801	438544.6	3762896	1.51E-03	2.46E-04	1.14E-04
1802	438541.7	3762905	1.53E-03	2.50E-04	1.16E-04
1803	438538.9	3762915	1.55E-03	2.53E-04	1.18E-04
1804	438536.1	3762924	1.57E-03	2.57E-04	1.19E-04
1805	438533.2	3762933	1.60E-03	2.61E-04	1.21E-04
1806	438530.4	3762943	1.62E-03	2.64E-04	1.23E-04
1807	438527.5	3762952	1.64E-03	2.68E-04	1.24E-04
1808	438524.7	3762962	1.66E-03	2.71E-04	1.26E-04
1809	438521.9	3762971	1.68E-03	2.74E-04	1.27E-04
1810	438519	3762980	1.69E-03	2.77E-04	1.28E-04
1811	438516.2	3762990	1.71E-03	2.79E-04	1.30E-04
1812	438513.3	3762999	1.73E-03	2.82E-04	1.31E-04
1813	438510.5	3763008	1.74E-03	2.84E-04	1.32E-04
1814	438507.7	3763018	1.76E-03	2.87E-04	1.33E-04

1815	438504.8	3763027	1.77E-03	2.89E-04	1.34E-04
1816	438502	3763036	1.78E-03	2.92E-04	1.35E-04
1817	438499.1	3763046	1.80E-03	2.94E-04	1.36E-04
1818	438496.3	3763055	1.81E-03	2.96E-04	1.37E-04
1819	438493.5	3763065	1.82E-03	2.97E-04	1.38E-04
1820	438490.6	3763074	1.83E-03	2.99E-04	1.39E-04
1821	438487.8	3763083	1.84E-03	3.00E-04	1.39E-04
1822	438484.9	3763093	1.84E-03	3.01E-04	1.40E-04
1823	438482.1	3763102	1.85E-03	3.02E-04	1.40E-04
1824	438479.3	3763111	1.85E-03	3.02E-04	1.40E-04
1825	438476.4	3763121	1.85E-03	3.02E-04	1.40E-04
1826	438473.6	3763130	1.85E-03	3.02E-04	1.40E-04
1827	438470.7	3763140	1.85E-03	3.02E-04	1.40E-04
1828	438467.9	3763149	1.85E-03	3.02E-04	1.40E-04
1829	438465.1	3763158	1.85E-03	3.02E-04	1.40E-04
1830	438462.2	3763168	1.84E-03	3.01E-04	1.40E-04
1831	438459.4	3763177	1.84E-03	3.00E-04	1.39E-04
1832	438456.5	3763186	1.83E-03	2.99E-04	1.39E-04
1833	438453.7	3763196	1.82E-03	2.98E-04	1.38E-04
1834	438450.9	3763205	1.81E-03	2.96E-04	1.37E-04
1835	438448	3763214	1.80E-03	2.94E-04	1.36E-04
1836	438445.2	3763224	1.79E-03	2.92E-04	1.35E-04
1837	438442.3	3763233	1.77E-03	2.89E-04	1.34E-04
1838	438439.5	3763243	1.76E-03	2.87E-04	1.33E-04
1839	438436.7	3763252	1.74E-03	2.84E-04	1.32E-04
1840	438433.8	3763261	1.72E-03	2.81E-04	1.30E-04
1841	438431	3763271	1.70E-03	2.78E-04	1.29E-04
1842	438428.1	3763280	1.68E-03	2.74E-04	1.27E-04
1843	438425.3	3763289	1.65E-03	2.70E-04	1.25E-04
1844	438422.5	3763299	1.63E-03	2.66E-04	1.23E-04
1845	438419.6	3763308	1.60E-03	2.61E-04	1.21E-04
1846	438416.8	3763318	1.58E-03	2.58E-04	1.20E-04
1847	438413.9	3763327	1.55E-03	2.53E-04	1.18E-04
1848	438411.1	3763336	1.52E-03	2.49E-04	1.15E-04
1849	438408.2	3763346	1.49E-03	2.44E-04	1.13E-04
1850	438405.4	3763355	1.46E-03	2.39E-04	1.11E-04
1851	438402.6	3763364	1.43E-03	2.34E-04	1.08E-04
1852	438399.7	3763374	1.40E-03	2.28E-04	1.06E-04
1853	438396.9	3763383	1.37E-03	2.23E-04	1.03E-04
1854	438394	3763392	1.33E-03	2.18E-04	1.01E-04
1855	438391.2	3763402	1.30E-03	2.13E-04	9.86E-05
1856	438555.9	3762859	1.43E-03	2.33E-04	1.08E-04
1857	438556	3762849	1.41E-03	2.31E-04	1.07E-04
1858	438556	3762839	1.40E-03	2.28E-04	1.06E-04
1859	438556	3762829	1.38E-03	2.26E-04	1.05E-04
1860	438556	3762819	1.37E-03	2.23E-04	1.04E-04
1861	438556	3762809	1.35E-03	2.20E-04	1.02E-04
1862	438556	3762800	1.33E-03	2.18E-04	1.01E-04
1863	438556	3762790	1.31E-03	2.15E-04	9.95E-05
1864	438556.1	3762780	1.30E-03	2.12E-04	9.81E-05
1865	438556.1	3762770	1.28E-03	2.08E-04	9.67E-05
1866	438556.1	3762760	1.26E-03	2.05E-04	9.52E-05

1867	438556.1	3762751	1.24E-03	2.02E-04	9.37E-05
1868	438556.1	3762741	1.22E-03	1.99E-04	9.23E-05
1869	438556.1	3762731	1.20E-03	1.96E-04	9.08E-05
1870	438556.1	3762721	1.18E-03	1.92E-04	8.93E-05
1871	437546.8	3762710	8.53E-02	1.39E-02	6.46E-03
1872	437537.4	3762710	9.08E-02	1.48E-02	6.88E-03
1873	437528	3762710	9.50E-02	1.55E-02	7.20E-03
1874	437518.6	3762710	9.81E-02	1.60E-02	7.43E-03
1875	437509.2	3762710	9.94E-02	1.62E-02	7.53E-03
1876	437499.8	3762710	9.99E-02	1.63E-02	7.57E-03
1877	437490.4	3762710	9.97E-02	1.63E-02	7.56E-03
1878	437481	3762710	9.83E-02	1.61E-02	7.45E-03
1879	437471.6	3762710	9.62E-02	1.57E-02	7.29E-03
1880	437462.2	3762710	9.36E-02	1.53E-02	7.09E-03
1881	437452.8	3762710	9.06E-02	1.48E-02	6.87E-03
1882	437546.8	3762700	6.15E-02	1.00E-02	4.66E-03
1883	437537.4	3762700	6.47E-02	1.06E-02	4.90E-03
1884	437528	3762700	6.72E-02	1.10E-02	5.09E-03
1885	437518.6	3762700	6.91E-02	1.13E-02	5.23E-03
1886	437509.2	3762700	6.99E-02	1.14E-02	5.30E-03
1887	437499.8	3762700	7.02E-02	1.15E-02	5.32E-03
1888	437490.4	3762700	7.00E-02	1.14E-02	5.30E-03
1889	437481	3762700	6.92E-02	1.13E-02	5.24E-03
1890	437471.6	3762700	6.79E-02	1.11E-02	5.14E-03
1891	437462.2	3762700	6.61E-02	1.08E-02	5.01E-03
1892	437452.8	3762700	6.39E-02	1.04E-02	4.84E-03
1893	437546.8	3762690	4.66E-02	7.61E-03	3.53E-03
1894	437537.4	3762690	4.84E-02	7.91E-03	3.67E-03
1895	437528	3762690	5.00E-02	8.16E-03	3.79E-03
1896	437518.6	3762690	5.11E-02	8.34E-03	3.87E-03
1897	437509.2	3762690	5.16E-02	8.42E-03	3.91E-03
1898	437499.8	3762690	5.17E-02	8.45E-03	3.92E-03
1899	437490.4	3762690	5.15E-02	8.41E-03	3.90E-03
1900	437481	3762690	5.09E-02	8.32E-03	3.86E-03
1901	437471.6	3762690	5.01E-02	8.18E-03	3.79E-03
1902	437462.2	3762690	4.89E-02	7.99E-03	3.70E-03
1903	437452.8	3762690	4.72E-02	7.70E-03	3.57E-03
1904	437546.8	3762680	3.67E-02	5.99E-03	2.78E-03
1905	437537.4	3762680	3.77E-02	6.16E-03	2.86E-03
1906	437528	3762680	3.85E-02	6.29E-03	2.92E-03
1907	437518.6	3762680	3.91E-02	6.39E-03	2.96E-03
1908	437509.2	3762680	3.94E-02	6.44E-03	2.99E-03
1909	437499.8	3762680	3.95E-02	6.46E-03	2.99E-03
1910	437490.4	3762680	3.93E-02	6.43E-03	2.98E-03
1911	437481	3762680	3.90E-02	6.36E-03	2.95E-03
1912	437471.6	3762680	3.83E-02	6.26E-03	2.90E-03
1913	437462.2	3762680	3.75E-02	6.12E-03	2.84E-03
1914	437452.8	3762680	3.63E-02	5.92E-03	2.75E-03
1915	437546.7	3762670	2.96E-02	4.83E-03	2.24E-03
1916	437537.4	3762670	3.02E-02	4.93E-03	2.29E-03
1917	437528	3762670	3.06E-02	5.00E-03	2.32E-03
1918	437518.6	3762670	3.09E-02	5.05E-03	2.34E-03

1919	437509.2	3762670	3.11E-02	5.08E-03	2.36E-03
1920	437499.8	3762670	3.11E-02	5.09E-03	2.36E-03
1921	437490.4	3762670	3.10E-02	5.07E-03	2.35E-03
1922	437481	3762670	3.07E-02	5.01E-03	2.33E-03
1923	437471.6	3762670	3.02E-02	4.94E-03	2.29E-03
1924	437462.2	3762670	2.96E-02	4.83E-03	2.24E-03
1925	437452.8	3762670	2.87E-02	4.69E-03	2.17E-03
1926	437443.5	3762670	2.77E-02	4.52E-03	2.10E-03
1927	437581.6	3762670	2.61E-02	4.27E-03	1.98E-03
1928	437590.1	3762674	2.67E-02	4.36E-03	2.02E-03
1929	437546.7	3762660	2.44E-02	3.98E-03	1.85E-03
1930	437537.4	3762660	2.47E-02	4.04E-03	1.87E-03
1931	437528	3762660	2.49E-02	4.07E-03	1.89E-03
1932	437518.6	3762660	2.50E-02	4.09E-03	1.90E-03
1933	437509.2	3762660	2.52E-02	4.11E-03	1.91E-03
1934	437499.8	3762660	2.52E-02	4.11E-03	1.91E-03
1935	437490.4	3762660	2.50E-02	4.09E-03	1.90E-03
1936	437481	3762660	2.48E-02	4.05E-03	1.88E-03
1937	437471.6	3762660	2.44E-02	3.99E-03	1.85E-03
1938	437462.2	3762660	2.39E-02	3.91E-03	1.81E-03
1939	437452.8	3762660	2.33E-02	3.80E-03	1.76E-03
1940	437443.4	3762660	2.25E-02	3.67E-03	1.70E-03
1941	437597.4	3762667	2.29E-02	3.75E-03	1.74E-03
1942	437546.7	3762650	2.04E-02	3.33E-03	1.55E-03
1943	437537.4	3762650	2.06E-02	3.37E-03	1.56E-03
1944	437528	3762650	2.08E-02	3.39E-03	1.57E-03
1945	437518.6	3762650	2.08E-02	3.40E-03	1.58E-03
1946	437509.2	3762650	2.09E-02	3.41E-03	1.58E-03
1947	437499.8	3762650	2.08E-02	3.40E-03	1.58E-03
1948	437490.4	3762650	2.07E-02	3.38E-03	1.57E-03
1949	437481	3762650	2.05E-02	3.34E-03	1.55E-03
1950	437471.6	3762650	2.02E-02	3.29E-03	1.53E-03
1951	437462.2	3762650	1.97E-02	3.23E-03	1.50E-03
1952	437452.8	3762650	1.92E-02	3.14E-03	1.46E-03
1953	437443.4	3762650	1.86E-02	3.04E-03	1.41E-03
1954	437596.6	3762656	1.97E-02	3.21E-03	1.49E-03
1955	437616.1	3762671	2.23E-02	3.64E-03	1.69E-03
1956	437546.7	3762640	1.73E-02	2.83E-03	1.31E-03
1957	437537.4	3762640	1.75E-02	2.85E-03	1.32E-03
1958	437528	3762640	1.75E-02	2.87E-03	1.33E-03
1959	437518.6	3762640	1.75E-02	2.87E-03	1.33E-03
1960	437509.2	3762640	1.75E-02	2.87E-03	1.33E-03
1961	437499.8	3762640	1.75E-02	2.86E-03	1.32E-03
1962	437490.4	3762640	1.73E-02	2.83E-03	1.31E-03
1963	437481	3762640	1.72E-02	2.80E-03	1.30E-03
1964	437471.6	3762640	1.69E-02	2.76E-03	1.28E-03
1965	437462.2	3762640	1.66E-02	2.70E-03	1.25E-03
1966	437452.8	3762640	1.61E-02	2.64E-03	1.22E-03
1967	437443.4	3762640	1.57E-02	2.56E-03	1.19E-03
1968	437595.9	3762646	1.70E-02	2.77E-03	1.29E-03
1969	437611.9	3762653	1.75E-02	2.86E-03	1.33E-03
1970	437623.1	3762664	1.94E-02	3.16E-03	1.47E-03

1971	437546.7	3762630	1.49E-02	2.43E-03	1.13E-03
1972	437537.4	3762630	1.50E-02	2.44E-03	1.13E-03
1973	437528	3762630	1.50E-02	2.45E-03	1.14E-03
1974	437518.6	3762630	1.50E-02	2.45E-03	1.14E-03
1975	437509.2	3762630	1.50E-02	2.44E-03	1.13E-03
1976	437499.8	3762630	1.49E-02	2.43E-03	1.13E-03
1977	437490.4	3762630	1.47E-02	2.41E-03	1.12E-03
1978	437481	3762630	1.46E-02	2.38E-03	1.10E-03
1979	437471.6	3762630	1.43E-02	2.34E-03	1.09E-03
1980	437462.2	3762630	1.41E-02	2.30E-03	1.07E-03
1981	437452.8	3762630	1.37E-02	2.24E-03	1.04E-03
1982	437443.4	3762630	1.33E-02	2.18E-03	1.01E-03
1983	437595.5	3762636	1.48E-02	2.41E-03	1.12E-03
1984	437611.2	3762643	1.53E-02	2.50E-03	1.16E-03
1985	437630.2	3762657	1.70E-02	2.77E-03	1.29E-03
1986	437636.7	3762673	2.02E-02	3.30E-03	1.53E-03
1987	437546.7	3762620	1.29E-02	2.11E-03	9.77E-04
1988	437537.4	3762620	1.29E-02	2.12E-03	9.81E-04
1989	437528	3762620	1.30E-02	2.12E-03	9.82E-04
1990	437518.6	3762620	1.29E-02	2.11E-03	9.80E-04
1991	437509.2	3762620	1.29E-02	2.11E-03	9.77E-04
1992	437499.8	3762620	1.28E-02	2.09E-03	9.71E-04
1993	437490.4	3762620	1.27E-02	2.07E-03	9.61E-04
1994	437481	3762620	1.25E-02	2.05E-03	9.49E-04
1995	437471.6	3762620	1.23E-02	2.01E-03	9.33E-04
1996	437462.2	3762620	1.21E-02	1.97E-03	9.15E-04
1997	437452.8	3762620	1.18E-02	1.93E-03	8.94E-04
1998	437443.4	3762620	1.15E-02	1.88E-03	8.70E-04
1999	437590.1	3762614	1.13E-02	1.84E-03	8.53E-04
2000	437598.6	3762617	1.15E-02	1.88E-03	8.74E-04
2001	437607.1	3762621	1.18E-02	1.92E-03	8.92E-04
2002	437615.6	3762624	1.20E-02	1.96E-03	9.08E-04
2003	437624.1	3762628	1.22E-02	1.99E-03	9.21E-04
2004	437632.6	3762631	1.23E-02	2.01E-03	9.32E-04
2005	437644.6	3762643	1.35E-02	2.20E-03	1.02E-03
2006	437648.1	3762652	1.46E-02	2.39E-03	1.11E-03
2007	437651.6	3762660	1.59E-02	2.60E-03	1.21E-03
2008	437655.1	3762669	1.73E-02	2.83E-03	1.31E-03
2009	437665.6	3762694	2.20E-02	3.60E-03	1.67E-03
2010	437669.1	3762703	2.37E-02	3.88E-03	1.80E-03
2011	437672.6	3762711	2.54E-02	4.16E-03	1.93E-03
2012	437546.7	3762600	9.93E-03	1.62E-03	7.52E-04
2013	437537.4	3762600	9.94E-03	1.62E-03	7.53E-04
2014	437528	3762600	9.93E-03	1.62E-03	7.52E-04
2015	437518.6	3762600	9.89E-03	1.62E-03	7.49E-04
2016	437509.2	3762600	9.83E-03	1.61E-03	7.45E-04
2017	437499.8	3762600	9.75E-03	1.59E-03	7.39E-04
2018	437490.4	3762600	9.64E-03	1.57E-03	7.30E-04
2019	437481	3762600	9.50E-03	1.55E-03	7.20E-04
2020	437471.6	3762600	9.35E-03	1.53E-03	7.08E-04
2021	437462.2	3762600	9.17E-03	1.50E-03	6.95E-04
2022	437452.8	3762600	8.98E-03	1.47E-03	6.80E-04

2023	437443.4	3762600	8.76E-03	1.43E-03	6.64E-04
2024	437597.4	3762597	9.11E-03	1.49E-03	6.90E-04
2025	437613.9	3762604	9.50E-03	1.55E-03	7.20E-04
2026	437630.4	3762611	9.80E-03	1.60E-03	7.43E-04
2027	437647	3762617	1.00E-02	1.64E-03	7.59E-04
2028	437658.6	3762629	1.09E-02	1.77E-03	8.23E-04
2029	437665.4	3762646	1.26E-02	2.06E-03	9.54E-04
2030	437672.3	3762662	1.46E-02	2.38E-03	1.11E-03
2031	437679.1	3762679	1.69E-02	2.75E-03	1.28E-03
2032	437682.5	3762687	1.81E-02	2.95E-03	1.37E-03
2033	437689.3	3762703	2.06E-02	3.37E-03	1.56E-03
2034	437546.7	3762580	7.84E-03	1.28E-03	5.94E-04
2035	437537.4	3762580	7.84E-03	1.28E-03	5.94E-04
2036	437528	3762580	7.81E-03	1.28E-03	5.92E-04
2037	437518.6	3762580	7.76E-03	1.27E-03	5.88E-04
2038	437509.2	3762580	7.70E-03	1.26E-03	5.84E-04
2039	437499.8	3762580	7.63E-03	1.25E-03	5.78E-04
2040	437490.4	3762580	7.53E-03	1.23E-03	5.71E-04
2041	437481	3762580	7.43E-03	1.21E-03	5.63E-04
2042	437471.6	3762580	7.31E-03	1.19E-03	5.54E-04
2043	437462.2	3762580	7.18E-03	1.17E-03	5.44E-04
2044	437452.8	3762580	7.04E-03	1.15E-03	5.33E-04
2045	437443.4	3762580	6.89E-03	1.12E-03	5.22E-04
2046	437596.6	3762576	7.34E-03	1.20E-03	5.56E-04
2047	437612.7	3762583	7.67E-03	1.25E-03	5.81E-04
2048	437628.9	3762590	7.95E-03	1.30E-03	6.02E-04
2049	437645.1	3762597	8.16E-03	1.33E-03	6.18E-04
2050	437661.3	3762603	8.31E-03	1.36E-03	6.30E-04
2051	437672.7	3762615	8.94E-03	1.46E-03	6.77E-04
2052	437679.4	3762631	1.02E-02	1.67E-03	7.73E-04
2053	437686.1	3762647	1.17E-02	1.90E-03	8.83E-04
2054	437692.8	3762663	1.33E-02	2.17E-03	1.01E-03
2055	437699.4	3762679	1.51E-02	2.47E-03	1.14E-03
2056	437706.1	3762696	1.70E-02	2.78E-03	1.29E-03
2057	437546.7	3762560	6.33E-03	1.03E-03	4.80E-04
2058	437537.3	3762560	6.31E-03	1.03E-03	4.78E-04
2059	437528	3762560	6.28E-03	1.03E-03	4.76E-04
2060	437518.6	3762560	6.24E-03	1.02E-03	4.73E-04
2061	437509.2	3762560	6.18E-03	1.01E-03	4.68E-04
2062	437499.8	3762560	6.11E-03	9.99E-04	4.63E-04
2063	437490.4	3762560	6.04E-03	9.86E-04	4.57E-04
2064	437481	3762560	5.95E-03	9.72E-04	4.51E-04
2065	437471.6	3762560	5.86E-03	9.57E-04	4.44E-04
2066	437462.2	3762560	5.76E-03	9.40E-04	4.36E-04
2067	437452.8	3762560	5.65E-03	9.23E-04	4.28E-04
2068	437443.4	3762560	5.54E-03	9.05E-04	4.20E-04
2069	437598.6	3762557	6.07E-03	9.92E-04	4.60E-04
2070	437607.1	3762561	6.22E-03	1.02E-03	4.71E-04
2071	437615.6	3762564	6.36E-03	1.04E-03	4.82E-04
2072	437624.1	3762568	6.49E-03	1.06E-03	4.92E-04
2073	437632.6	3762571	6.60E-03	1.08E-03	5.00E-04
2074	437641.1	3762575	6.71E-03	1.10E-03	5.08E-04

2075	437649.5	3762578	6.80E-03	1.11E-03	5.15E-04
2076	437658	3762582	6.88E-03	1.12E-03	5.21E-04
2077	437666.5	3762585	6.95E-03	1.13E-03	5.26E-04
2078	437675	3762589	7.00E-03	1.14E-03	5.31E-04
2079	437687	3762601	7.51E-03	1.23E-03	5.69E-04
2080	437690.5	3762610	8.01E-03	1.31E-03	6.07E-04
2081	437694	3762618	8.54E-03	1.40E-03	6.47E-04
2082	437697.5	3762627	9.11E-03	1.49E-03	6.90E-04
2083	437701.1	3762635	9.72E-03	1.59E-03	7.36E-04
2084	437704.6	3762644	1.04E-02	1.69E-03	7.85E-04
2085	437708.1	3762652	1.10E-02	1.80E-03	8.37E-04
2086	437711.6	3762661	1.18E-02	1.92E-03	8.92E-04
2087	437715.1	3762669	1.25E-02	2.05E-03	9.49E-04
2088	437718.6	3762678	1.33E-02	2.17E-03	1.01E-03
2089	437722.1	3762686	1.41E-02	2.30E-03	1.07E-03
2090	437725.6	3762694	1.49E-02	2.44E-03	1.13E-03
2091	437729.1	3762703	1.57E-02	2.57E-03	1.19E-03
2092	437732.6	3762711	1.65E-02	2.70E-03	1.25E-03
2093	437546.7	3762540	5.20E-03	8.50E-04	3.94E-04
2094	437537.3	3762540	5.18E-03	8.46E-04	3.92E-04
2095	437528	3762540	5.14E-03	8.40E-04	3.90E-04
2096	437518.6	3762540	5.10E-03	8.34E-04	3.87E-04
2097	437509.2	3762540	5.05E-03	8.26E-04	3.83E-04
2098	437499.8	3762540	5.00E-03	8.17E-04	3.79E-04
2099	437490.4	3762540	4.94E-03	8.06E-04	3.74E-04
2100	437481	3762540	4.87E-03	7.95E-04	3.69E-04
2101	437471.6	3762540	4.79E-03	7.83E-04	3.63E-04
2102	437462.2	3762540	4.71E-03	7.70E-04	3.57E-04
2103	437452.8	3762540	4.63E-03	7.57E-04	3.51E-04
2104	437443.4	3762540	4.55E-03	7.42E-04	3.44E-04
2105	437631.1	3762551	5.50E-03	8.99E-04	4.17E-04
2106	437639.4	3762554	5.60E-03	9.15E-04	4.24E-04
2107	437647.7	3762558	5.68E-03	9.29E-04	4.31E-04
2108	437656	3762561	5.76E-03	9.41E-04	4.37E-04
2109	437672.7	3762568	5.89E-03	9.62E-04	4.46E-04
2110	437681	3762571	5.94E-03	9.70E-04	4.50E-04
2111	437689.3	3762575	5.98E-03	9.76E-04	4.53E-04
2112	437701.1	3762587	6.37E-03	1.04E-03	4.83E-04
2113	437708	3762603	7.16E-03	1.17E-03	5.42E-04
2114	437714.9	3762620	8.05E-03	1.32E-03	6.10E-04
2115	437718.3	3762628	8.54E-03	1.40E-03	6.47E-04
2116	437725.2	3762645	9.60E-03	1.57E-03	7.28E-04
2117	437732.1	3762662	1.08E-02	1.76E-03	8.16E-04
2118	437738.9	3762678	1.20E-02	1.96E-03	9.10E-04
2119	437742.4	3762687	1.26E-02	2.07E-03	9.58E-04
2120	437749.3	3762703	1.39E-02	2.28E-03	1.06E-03
2121	437546.7	3762520	4.34E-03	7.09E-04	3.29E-04
2122	437537.3	3762520	4.31E-03	7.04E-04	3.27E-04
2123	437528	3762520	4.28E-03	6.99E-04	3.24E-04
2124	437518.6	3762520	4.24E-03	6.93E-04	3.22E-04
2125	437509.2	3762520	4.20E-03	6.86E-04	3.18E-04
2126	437499.8	3762520	4.15E-03	6.78E-04	3.15E-04

2127	437490.4	3762520	4.10E-03	6.70E-04	3.11E-04
2128	437481	3762520	4.05E-03	6.61E-04	3.07E-04
2129	437471.6	3762520	3.99E-03	6.51E-04	3.02E-04
2130	437462.2	3762520	3.93E-03	6.41E-04	2.98E-04
2131	437452.8	3762520	3.86E-03	6.31E-04	2.93E-04
2132	437443.4	3762520	3.80E-03	6.20E-04	2.88E-04
2133	437625.3	3762528	4.59E-03	7.50E-04	3.48E-04
2134	437634	3762532	4.68E-03	7.65E-04	3.55E-04
2135	437642.6	3762536	4.77E-03	7.79E-04	3.61E-04
2136	437651.3	3762539	4.85E-03	7.92E-04	3.67E-04
2137	437659.9	3762543	4.92E-03	8.03E-04	3.73E-04
2138	437668.6	3762546	4.98E-03	8.14E-04	3.77E-04
2139	437677.2	3762550	5.04E-03	8.23E-04	3.82E-04
2140	437685.9	3762554	5.08E-03	8.31E-04	3.85E-04
2141	437694.5	3762557	5.12E-03	8.37E-04	3.88E-04
2142	437703.2	3762561	5.16E-03	8.42E-04	3.91E-04
2143	437715.4	3762573	5.48E-03	8.95E-04	4.15E-04
2144	437719	3762582	5.80E-03	9.47E-04	4.39E-04
2145	437722.5	3762590	6.14E-03	1.00E-03	4.65E-04
2146	437726.1	3762599	6.50E-03	1.06E-03	4.92E-04
2147	437729.7	3762608	6.88E-03	1.12E-03	5.21E-04
2148	437733.3	3762616	7.28E-03	1.19E-03	5.52E-04
2149	437736.8	3762625	7.71E-03	1.26E-03	5.84E-04
2150	437740.4	3762634	8.16E-03	1.33E-03	6.19E-04
2151	437744	3762642	8.64E-03	1.41E-03	6.55E-04
2152	437747.6	3762651	9.13E-03	1.49E-03	6.92E-04
2153	437751.1	3762659	9.65E-03	1.58E-03	7.31E-04
2154	437754.7	3762668	1.02E-02	1.66E-03	7.71E-04
2155	437758.3	3762677	1.07E-02	1.75E-03	8.12E-04
2156	437761.8	3762685	1.13E-02	1.84E-03	8.54E-04
2157	437765.4	3762694	1.18E-02	1.93E-03	8.96E-04
2158	437546.7	3762500	3.66E-03	5.99E-04	2.78E-04
2159	437537.3	3762500	3.64E-03	5.95E-04	2.76E-04
2160	437528	3762500	3.61E-03	5.90E-04	2.74E-04
2161	437518.6	3762500	3.58E-03	5.84E-04	2.71E-04
2162	437509.2	3762500	3.54E-03	5.78E-04	2.68E-04
2163	437499.8	3762500	3.50E-03	5.72E-04	2.65E-04
2164	437490.4	3762500	3.46E-03	5.65E-04	2.62E-04
2165	437481	3762500	3.41E-03	5.57E-04	2.58E-04
2166	437471.6	3762500	3.36E-03	5.49E-04	2.55E-04
2167	437462.2	3762500	3.31E-03	5.41E-04	2.51E-04
2168	437452.8	3762500	3.26E-03	5.33E-04	2.47E-04
2169	437443.4	3762500	3.21E-03	5.25E-04	2.43E-04
2170	437590.1	3762494	3.55E-03	5.80E-04	2.69E-04
2171	437598.6	3762497	3.64E-03	5.95E-04	2.76E-04
2172	437607.1	3762501	3.74E-03	6.10E-04	2.83E-04
2173	437615.6	3762504	3.82E-03	6.25E-04	2.90E-04
2174	437624.1	3762508	3.91E-03	6.39E-04	2.96E-04
2175	437632.6	3762511	3.99E-03	6.52E-04	3.02E-04
2176	437641	3762515	4.06E-03	6.64E-04	3.08E-04
2177	437649.5	3762518	4.13E-03	6.75E-04	3.13E-04
2178	437658	3762522	4.20E-03	6.86E-04	3.18E-04

2179	437666.5	3762525	4.26E-03	6.96E-04	3.23E-04
2180	437675	3762529	4.31E-03	7.05E-04	3.27E-04
2181	437683.5	3762533	4.36E-03	7.12E-04	3.30E-04
2182	437692	3762536	4.40E-03	7.19E-04	3.34E-04
2183	437700.5	3762540	4.44E-03	7.25E-04	3.36E-04
2184	437709	3762543	4.47E-03	7.30E-04	3.39E-04
2185	437717.5	3762547	4.49E-03	7.34E-04	3.40E-04
2186	437729.5	3762559	4.75E-03	7.76E-04	3.60E-04
2187	437736.5	3762576	5.27E-03	8.60E-04	3.99E-04
2188	437740	3762584	5.55E-03	9.06E-04	4.20E-04
2189	437743.5	3762593	5.85E-03	9.55E-04	4.43E-04
2190	437747	3762601	6.16E-03	1.01E-03	4.67E-04
2191	437750.5	3762610	6.50E-03	1.06E-03	4.92E-04
2192	437754	3762618	6.85E-03	1.12E-03	5.19E-04
2193	437757.5	3762627	7.22E-03	1.18E-03	5.47E-04
2194	437761.1	3762635	7.61E-03	1.24E-03	5.77E-04
2195	437764.6	3762644	8.01E-03	1.31E-03	6.07E-04
2196	437768.1	3762652	8.43E-03	1.38E-03	6.39E-04
2197	437771.6	3762661	8.86E-03	1.45E-03	6.71E-04
2198	437775.1	3762669	9.30E-03	1.52E-03	7.05E-04
2199	437778.6	3762678	9.75E-03	1.59E-03	7.39E-04
2200	437546.7	3762480	3.13E-03	5.11E-04	2.37E-04
2201	437537.3	3762480	3.11E-03	5.08E-04	2.35E-04
2202	437528	3762480	3.08E-03	5.03E-04	2.33E-04
2203	437518.6	3762480	3.05E-03	4.98E-04	2.31E-04
2204	437509.2	3762480	3.02E-03	4.93E-04	2.29E-04
2205	437499.8	3762480	2.98E-03	4.87E-04	2.26E-04
2206	437490.4	3762480	2.95E-03	4.81E-04	2.23E-04
2207	437481	3762480	2.91E-03	4.75E-04	2.20E-04
2208	437471.6	3762480	2.87E-03	4.69E-04	2.18E-04
2209	437462.2	3762480	2.83E-03	4.62E-04	2.15E-04
2210	437452.8	3762480	2.79E-03	4.56E-04	2.11E-04
2211	437443.4	3762480	2.75E-03	4.49E-04	2.08E-04
2212	437589.6	3762474	3.05E-03	4.98E-04	2.31E-04
2213	437597.9	3762477	3.13E-03	5.12E-04	2.37E-04
2214	437606.3	3762481	3.21E-03	5.24E-04	2.43E-04
2215	437614.7	3762484	3.29E-03	5.37E-04	2.49E-04
2216	437623	3762487	3.36E-03	5.49E-04	2.55E-04
2217	437631.4	3762491	3.43E-03	5.60E-04	2.60E-04
2218	437639.8	3762494	3.50E-03	5.71E-04	2.65E-04
2219	437656.5	3762501	3.62E-03	5.91E-04	2.74E-04
2220	437664.8	3762505	3.67E-03	6.00E-04	2.78E-04
2221	437673.2	3762508	3.72E-03	6.08E-04	2.82E-04
2222	437681.6	3762512	3.77E-03	6.16E-04	2.86E-04
2223	437689.9	3762515	3.81E-03	6.22E-04	2.89E-04
2224	437698.3	3762519	3.85E-03	6.28E-04	2.92E-04
2225	437706.7	3762522	3.88E-03	6.34E-04	2.94E-04
2226	437723.4	3762529	3.93E-03	6.42E-04	2.98E-04
2227	437731.8	3762533	3.95E-03	6.45E-04	2.99E-04
2228	437743.6	3762544	4.16E-03	6.79E-04	3.15E-04
2229	437747	3762553	4.36E-03	7.12E-04	3.30E-04
2230	437753.9	3762569	4.79E-03	7.83E-04	3.63E-04

2231	437760.9	3762586	5.28E-03	8.62E-04	4.00E-04
2232	437767.8	3762603	5.82E-03	9.51E-04	4.41E-04
2233	437774.7	3762620	6.42E-03	1.05E-03	4.87E-04
2234	437781.6	3762636	7.07E-03	1.16E-03	5.36E-04
2235	437788.5	3762653	7.77E-03	1.27E-03	5.89E-04
2236	437795.4	3762670	8.51E-03	1.39E-03	6.45E-04
2237	437802.3	3762687	9.26E-03	1.51E-03	7.02E-04
2238	437809.2	3762703	1.00E-02	1.63E-03	7.58E-04
2239	437546.7	3762460	2.70E-03	4.41E-04	2.05E-04
2240	437537.3	3762460	2.68E-03	4.38E-04	2.03E-04
2241	437527.9	3762460	2.66E-03	4.34E-04	2.01E-04
2242	437518.6	3762460	2.63E-03	4.29E-04	1.99E-04
2243	437509.2	3762460	2.60E-03	4.25E-04	1.97E-04
2244	437499.8	3762460	2.57E-03	4.20E-04	1.95E-04
2245	437490.4	3762460	2.54E-03	4.15E-04	1.93E-04
2246	437481	3762460	2.51E-03	4.10E-04	1.90E-04
2247	437471.6	3762460	2.48E-03	4.05E-04	1.88E-04
2248	437462.2	3762460	2.44E-03	3.99E-04	1.85E-04
2249	437452.8	3762460	2.41E-03	3.94E-04	1.83E-04
2250	437443.4	3762460	2.38E-03	3.88E-04	1.80E-04
2251	437582	3762450	2.59E-03	4.23E-04	1.96E-04
2252	437590.6	3762454	2.66E-03	4.35E-04	2.02E-04
2253	437599.2	3762458	2.73E-03	4.46E-04	2.07E-04
2254	437607.8	3762461	2.80E-03	4.57E-04	2.12E-04
2255	437616.4	3762465	2.87E-03	4.68E-04	2.17E-04
2256	437625	3762468	2.93E-03	4.79E-04	2.22E-04
2257	437633.7	3762472	3.00E-03	4.89E-04	2.27E-04
2258	437642.3	3762475	3.06E-03	4.99E-04	2.32E-04
2259	437650.9	3762479	3.11E-03	5.09E-04	2.36E-04
2260	437659.5	3762483	3.17E-03	5.17E-04	2.40E-04
2261	437668.1	3762486	3.22E-03	5.26E-04	2.44E-04
2262	437676.7	3762490	3.26E-03	5.33E-04	2.47E-04
2263	437685.3	3762493	3.31E-03	5.40E-04	2.51E-04
2264	437694	3762497	3.35E-03	5.47E-04	2.54E-04
2265	437702.6	3762500	3.38E-03	5.52E-04	2.56E-04
2266	437711.2	3762504	3.41E-03	5.57E-04	2.59E-04
2267	437719.8	3762508	3.44E-03	5.62E-04	2.61E-04
2268	437728.4	3762511	3.46E-03	5.66E-04	2.62E-04
2269	437737	3762515	3.48E-03	5.69E-04	2.64E-04
2270	437745.7	3762518	3.50E-03	5.71E-04	2.65E-04
2271	437757.8	3762530	3.68E-03	6.00E-04	2.79E-04
2272	437761.4	3762539	3.85E-03	6.29E-04	2.92E-04
2273	437764.9	3762548	4.03E-03	6.58E-04	3.05E-04
2274	437768.5	3762556	4.22E-03	6.89E-04	3.20E-04
2275	437772.1	3762565	4.42E-03	7.22E-04	3.35E-04
2276	437775.6	3762574	4.63E-03	7.57E-04	3.51E-04
2277	437779.2	3762582	4.86E-03	7.94E-04	3.68E-04
2278	437782.7	3762591	5.09E-03	8.32E-04	3.86E-04
2279	437786.3	3762599	5.34E-03	8.73E-04	4.05E-04
2280	437789.9	3762608	5.60E-03	9.15E-04	4.24E-04
2281	437793.4	3762617	5.87E-03	9.59E-04	4.45E-04
2282	437797	3762625	6.16E-03	1.01E-03	4.66E-04

2283	437800.5	3762634	6.45E-03	1.05E-03	4.89E-04
2284	437804.1	3762643	6.76E-03	1.10E-03	5.12E-04
2285	437807.7	3762651	7.07E-03	1.16E-03	5.36E-04
2286	437811.2	3762660	7.39E-03	1.21E-03	5.60E-04
2287	437814.8	3762668	7.72E-03	1.26E-03	5.85E-04
2288	437818.3	3762677	8.05E-03	1.32E-03	6.10E-04
2289	437821.9	3762686	8.39E-03	1.37E-03	6.35E-04
2290	437825.5	3762694	8.71E-03	1.42E-03	6.60E-04
2291	437829	3762703	9.03E-03	1.48E-03	6.84E-04
2292	437832.6	3762712	9.35E-03	1.53E-03	7.08E-04
2293	437546.7	3762440	2.35E-03	3.84E-04	1.78E-04
2294	437537.3	3762440	2.33E-03	3.81E-04	1.77E-04
2295	437527.9	3762440	2.31E-03	3.77E-04	1.75E-04
2296	437518.6	3762440	2.29E-03	3.74E-04	1.73E-04
2297	437509.2	3762440	2.26E-03	3.70E-04	1.71E-04
2298	437499.8	3762440	2.24E-03	3.66E-04	1.70E-04
2299	437490.4	3762440	2.21E-03	3.61E-04	1.68E-04
2300	437481	3762440	2.18E-03	3.57E-04	1.66E-04
2301	437471.6	3762440	2.16E-03	3.52E-04	1.63E-04
2302	437462.2	3762440	2.13E-03	3.48E-04	1.61E-04
2303	437452.8	3762440	2.10E-03	3.43E-04	1.59E-04
2304	437443.4	3762440	2.08E-03	3.39E-04	1.57E-04
2305	437581.6	3762430	2.26E-03	3.70E-04	1.72E-04
2306	437590.1	3762434	2.33E-03	3.80E-04	1.76E-04
2307	437598.6	3762437	2.39E-03	3.90E-04	1.81E-04
2308	437607.1	3762441	2.45E-03	4.00E-04	1.85E-04
2309	437615.6	3762444	2.50E-03	4.09E-04	1.90E-04
2310	437624.1	3762448	2.56E-03	4.18E-04	1.94E-04
2311	437632.5	3762451	2.62E-03	4.27E-04	1.98E-04
2312	437641	3762455	2.67E-03	4.36E-04	2.02E-04
2313	437649.5	3762458	2.72E-03	4.44E-04	2.06E-04
2314	437658	3762462	2.77E-03	4.52E-04	2.10E-04
2315	437666.5	3762465	2.81E-03	4.60E-04	2.13E-04
2316	437675	3762469	2.86E-03	4.67E-04	2.16E-04
2317	437683.5	3762473	2.90E-03	4.73E-04	2.20E-04
2318	437692	3762476	2.93E-03	4.79E-04	2.22E-04
2319	437700.5	3762480	2.97E-03	4.85E-04	2.25E-04
2320	437709	3762483	3.00E-03	4.90E-04	2.27E-04
2321	437717.5	3762487	3.03E-03	4.94E-04	2.29E-04
2322	437726	3762490	3.05E-03	4.98E-04	2.31E-04
2323	437734.5	3762494	3.07E-03	5.02E-04	2.33E-04
2324	437742.9	3762497	3.09E-03	5.05E-04	2.34E-04
2325	437751.4	3762501	3.11E-03	5.08E-04	2.35E-04
2326	437759.9	3762504	3.12E-03	5.10E-04	2.36E-04
2327	437771.9	3762516	3.27E-03	5.34E-04	2.48E-04
2328	437775.4	3762525	3.41E-03	5.57E-04	2.58E-04
2329	437778.9	3762533	3.56E-03	5.81E-04	2.70E-04
2330	437782.5	3762542	3.72E-03	6.07E-04	2.82E-04
2331	437786	3762550	3.88E-03	6.34E-04	2.94E-04
2332	437789.5	3762559	4.05E-03	6.62E-04	3.07E-04
2333	437793	3762567	4.23E-03	6.91E-04	3.21E-04
2334	437796.5	3762576	4.42E-03	7.23E-04	3.35E-04

2335	437800	3762584	4.62E-03	7.55E-04	3.50E-04
2336	437803.5	3762593	4.83E-03	7.90E-04	3.66E-04
2337	437807	3762601	5.05E-03	8.25E-04	3.83E-04
2338	437810.5	3762610	5.28E-03	8.63E-04	4.00E-04
2339	437814	3762618	5.52E-03	9.01E-04	4.18E-04
2340	437817.5	3762627	5.76E-03	9.41E-04	4.36E-04
2341	437821.1	3762635	6.02E-03	9.83E-04	4.56E-04
2342	437824.6	3762644	6.28E-03	1.03E-03	4.76E-04
2343	437828.1	3762652	6.55E-03	1.07E-03	4.97E-04
2344	437831.6	3762661	6.83E-03	1.12E-03	5.17E-04
2345	437835.1	3762669	7.11E-03	1.16E-03	5.39E-04
2346	437838.6	3762678	7.39E-03	1.21E-03	5.60E-04
2347	437842.1	3762686	7.67E-03	1.25E-03	5.81E-04
2348	437845.6	3762695	7.94E-03	1.30E-03	6.02E-04
2349	437849.1	3762703	8.21E-03	1.34E-03	6.22E-04
2350	437852.6	3762712	8.48E-03	1.39E-03	6.43E-04
2351	437546.7	3762420	2.06E-03	3.37E-04	1.56E-04
2352	437537.3	3762420	2.05E-03	3.34E-04	1.55E-04
2353	437527.9	3762420	2.03E-03	3.31E-04	1.54E-04
2354	437518.6	3762420	2.01E-03	3.28E-04	1.52E-04
2355	437509.2	3762420	1.99E-03	3.24E-04	1.50E-04
2356	437499.8	3762420	1.96E-03	3.21E-04	1.49E-04
2357	437490.4	3762420	1.94E-03	3.17E-04	1.47E-04
2358	437481	3762420	1.92E-03	3.13E-04	1.45E-04
2359	437471.6	3762420	1.89E-03	3.09E-04	1.44E-04
2360	437462.2	3762420	1.87E-03	3.06E-04	1.42E-04
2361	437452.8	3762420	1.85E-03	3.02E-04	1.40E-04
2362	437443.4	3762420	1.83E-03	2.98E-04	1.38E-04
2363	437582.1	3762400	1.89E-03	3.08E-04	1.43E-04
2364	437590.7	3762404	1.94E-03	3.16E-04	1.47E-04
2365	437599.4	3762408	1.99E-03	3.24E-04	1.50E-04
2366	437608	3762411	2.03E-03	3.32E-04	1.54E-04
2367	437616.7	3762415	2.08E-03	3.40E-04	1.58E-04
2368	437625.3	3762418	2.13E-03	3.48E-04	1.61E-04
2369	437634	3762422	2.18E-03	3.56E-04	1.65E-04
2370	437642.6	3762426	2.22E-03	3.63E-04	1.68E-04
2371	437651.3	3762429	2.27E-03	3.70E-04	1.72E-04
2372	437659.9	3762433	2.31E-03	3.77E-04	1.75E-04
2373	437668.6	3762436	2.35E-03	3.83E-04	1.78E-04
2374	437677.2	3762440	2.39E-03	3.90E-04	1.81E-04
2375	437685.9	3762444	2.42E-03	3.96E-04	1.83E-04
2376	437694.5	3762447	2.45E-03	4.01E-04	1.86E-04
2377	437703.2	3762451	2.49E-03	4.06E-04	1.88E-04
2378	437711.8	3762454	2.51E-03	4.11E-04	1.91E-04
2379	437720.5	3762458	2.54E-03	4.15E-04	1.93E-04
2380	437729.1	3762461	2.56E-03	4.19E-04	1.94E-04
2381	437737.8	3762465	2.59E-03	4.23E-04	1.96E-04
2382	437746.4	3762469	2.61E-03	4.26E-04	1.97E-04
2383	437755.1	3762472	2.62E-03	4.28E-04	1.99E-04
2384	437763.7	3762476	2.64E-03	4.31E-04	2.00E-04
2385	437772.4	3762479	2.65E-03	4.33E-04	2.01E-04
2386	437781	3762483	2.66E-03	4.34E-04	2.02E-04

2387	437793.2	3762495	2.78E-03	4.54E-04	2.10E-04
2388	437796.8	3762504	2.89E-03	4.72E-04	2.19E-04
2389	437800.4	3762513	3.01E-03	4.91E-04	2.28E-04
2390	437803.9	3762521	3.13E-03	5.12E-04	2.37E-04
2391	437807.5	3762530	3.26E-03	5.33E-04	2.47E-04
2392	437811.1	3762538	3.40E-03	5.55E-04	2.57E-04
2393	437814.7	3762547	3.54E-03	5.78E-04	2.68E-04
2394	437818.2	3762556	3.69E-03	6.03E-04	2.79E-04
2395	437821.8	3762564	3.85E-03	6.28E-04	2.91E-04
2396	437825.4	3762573	4.01E-03	6.55E-04	3.04E-04
2397	437829	3762582	4.18E-03	6.83E-04	3.17E-04
2398	437832.5	3762590	4.36E-03	7.12E-04	3.30E-04
2399	437836.1	3762599	4.55E-03	7.43E-04	3.44E-04
2400	437839.7	3762608	4.74E-03	7.74E-04	3.59E-04
2401	437843.3	3762616	4.94E-03	8.07E-04	3.74E-04
2402	437846.8	3762625	5.15E-03	8.41E-04	3.90E-04
2403	437850.4	3762634	5.36E-03	8.76E-04	4.06E-04
2404	437854	3762642	5.58E-03	9.11E-04	4.23E-04
2405	437857.6	3762651	5.80E-03	9.48E-04	4.40E-04
2406	437861.1	3762660	6.03E-03	9.84E-04	4.57E-04
2407	437864.7	3762668	6.26E-03	1.02E-03	4.74E-04
2408	437868.3	3762677	6.49E-03	1.06E-03	4.92E-04
2409	437871.8	3762686	6.72E-03	1.10E-03	5.09E-04
2410	437875.4	3762694	6.94E-03	1.13E-03	5.26E-04
2411	437879	3762703	7.17E-03	1.17E-03	5.43E-04
2412	437882.6	3762712	7.39E-03	1.21E-03	5.60E-04
2413	437546.7	3762390	1.72E-03	2.81E-04	1.30E-04
2414	437537.3	3762390	1.71E-03	2.79E-04	1.29E-04
2415	437527.9	3762390	1.69E-03	2.76E-04	1.28E-04
2416	437518.6	3762390	1.67E-03	2.73E-04	1.27E-04
2417	437509.2	3762390	1.65E-03	2.70E-04	1.25E-04
2418	437499.8	3762390	1.64E-03	2.67E-04	1.24E-04
2419	437490.4	3762390	1.62E-03	2.64E-04	1.23E-04
2420	437481	3762390	1.60E-03	2.61E-04	1.21E-04
2421	437471.6	3762390	1.58E-03	2.58E-04	1.20E-04
2422	437462.2	3762390	1.56E-03	2.55E-04	1.18E-04
2423	437452.8	3762390	1.54E-03	2.52E-04	1.17E-04
2424	437443.4	3762390	1.53E-03	2.49E-04	1.16E-04
2425	437581.6	3762370	1.59E-03	2.59E-04	1.20E-04
2426	437590.1	3762374	1.63E-03	2.66E-04	1.23E-04
2427	437598.6	3762377	1.67E-03	2.72E-04	1.26E-04
2428	437607.1	3762381	1.71E-03	2.79E-04	1.29E-04
2429	437615.6	3762384	1.75E-03	2.85E-04	1.32E-04
2430	437624.1	3762388	1.79E-03	2.92E-04	1.35E-04
2431	437632.5	3762391	1.82E-03	2.98E-04	1.38E-04
2432	437641	3762395	1.86E-03	3.04E-04	1.41E-04
2433	437649.5	3762398	1.90E-03	3.10E-04	1.44E-04
2434	437658	3762402	1.93E-03	3.16E-04	1.47E-04
2435	437666.5	3762405	1.97E-03	3.21E-04	1.49E-04
2436	437675	3762409	2.00E-03	3.27E-04	1.52E-04
2437	437683.5	3762413	2.03E-03	3.32E-04	1.54E-04
2438	437692	3762416	2.06E-03	3.37E-04	1.56E-04

2439	437700.5	3762420	2.09E-03	3.41E-04	1.58E-04
2440	437709	3762423	2.12E-03	3.46E-04	1.60E-04
2441	437717.5	3762427	2.14E-03	3.50E-04	1.62E-04
2442	437726	3762430	2.16E-03	3.54E-04	1.64E-04
2443	437734.4	3762434	2.19E-03	3.57E-04	1.66E-04
2444	437742.9	3762437	2.21E-03	3.60E-04	1.67E-04
2445	437751.4	3762441	2.22E-03	3.63E-04	1.68E-04
2446	437759.9	3762444	2.24E-03	3.66E-04	1.70E-04
2447	437768.4	3762448	2.25E-03	3.68E-04	1.71E-04
2448	437776.9	3762451	2.27E-03	3.70E-04	1.72E-04
2449	437785.4	3762455	2.28E-03	3.72E-04	1.73E-04
2450	437793.9	3762458	2.29E-03	3.74E-04	1.73E-04
2451	437802.4	3762462	2.29E-03	3.75E-04	1.74E-04
2452	437814.4	3762474	2.39E-03	3.90E-04	1.81E-04
2453	437817.9	3762482	2.47E-03	4.04E-04	1.88E-04
2454	437821.4	3762491	2.57E-03	4.19E-04	1.94E-04
2455	437824.9	3762499	2.66E-03	4.35E-04	2.02E-04
2456	437828.4	3762508	2.76E-03	4.51E-04	2.09E-04
2457	437831.9	3762516	2.86E-03	4.68E-04	2.17E-04
2458	437835.4	3762525	2.97E-03	4.86E-04	2.25E-04
2459	437838.9	3762533	3.09E-03	5.04E-04	2.34E-04
2460	437842.5	3762542	3.20E-03	5.24E-04	2.43E-04
2461	437846	3762550	3.33E-03	5.44E-04	2.52E-04
2462	437849.5	3762559	3.46E-03	5.65E-04	2.62E-04
2463	437853	3762567	3.60E-03	5.87E-04	2.72E-04
2464	437856.5	3762576	3.74E-03	6.10E-04	2.83E-04
2465	437860	3762584	3.88E-03	6.34E-04	2.94E-04
2466	437863.5	3762593	4.03E-03	6.59E-04	3.06E-04
2467	437867	3762601	4.19E-03	6.85E-04	3.18E-04
2468	437870.5	3762610	4.35E-03	7.11E-04	3.30E-04
2469	437874	3762618	4.52E-03	7.39E-04	3.43E-04
2470	437877.5	3762627	4.69E-03	7.67E-04	3.56E-04
2471	437881.1	3762635	4.87E-03	7.95E-04	3.69E-04
2472	437884.6	3762644	5.05E-03	8.24E-04	3.82E-04
2473	437888.1	3762652	5.23E-03	8.54E-04	3.96E-04
2474	437891.6	3762661	5.41E-03	8.84E-04	4.10E-04
2475	437895.1	3762669	5.60E-03	9.14E-04	4.24E-04
2476	437898.6	3762678	5.78E-03	9.44E-04	4.38E-04
2477	437902.1	3762686	5.96E-03	9.74E-04	4.52E-04
2478	437905.6	3762695	6.14E-03	1.00E-03	4.66E-04
2479	437909.1	3762703	6.32E-03	1.03E-03	4.79E-04
2480	437912.6	3762712	6.49E-03	1.06E-03	4.92E-04
2481	437546.7	3762360	1.46E-03	2.38E-04	1.10E-04
2482	437537.3	3762360	1.44E-03	2.36E-04	1.09E-04
2483	437527.9	3762360	1.43E-03	2.33E-04	1.08E-04
2484	437518.5	3762360	1.41E-03	2.31E-04	1.07E-04
2485	437509.2	3762360	1.40E-03	2.28E-04	1.06E-04
2486	437499.8	3762360	1.38E-03	2.26E-04	1.05E-04
2487	437490.4	3762360	1.37E-03	2.24E-04	1.04E-04
2488	437481	3762360	1.35E-03	2.21E-04	1.03E-04
2489	437471.6	3762360	1.34E-03	2.19E-04	1.01E-04
2490	437462.2	3762360	1.32E-03	2.16E-04	1.00E-04

2491	437452.8	3762360	1.31E-03	2.14E-04	9.92E-05
2492	437443.4	3762360	1.30E-03	2.12E-04	9.81E-05
2493	437582	3762340	1.36E-03	2.22E-04	1.03E-04
2494	437590.6	3762344	1.39E-03	2.27E-04	1.05E-04
2495	437599.2	3762348	1.42E-03	2.33E-04	1.08E-04
2496	437607.9	3762351	1.46E-03	2.38E-04	1.10E-04
2497	437616.5	3762355	1.49E-03	2.44E-04	1.13E-04
2498	437625.1	3762358	1.52E-03	2.49E-04	1.15E-04
2499	437633.7	3762362	1.56E-03	2.54E-04	1.18E-04
2500	437642.4	3762365	1.59E-03	2.59E-04	1.20E-04
2501	437651	3762369	1.62E-03	2.65E-04	1.23E-04
2502	437659.6	3762373	1.65E-03	2.70E-04	1.25E-04
2503	437668.2	3762376	1.68E-03	2.75E-04	1.27E-04
2504	437676.9	3762380	1.71E-03	2.79E-04	1.30E-04
2505	437685.5	3762383	1.74E-03	2.84E-04	1.32E-04
2506	437694.1	3762387	1.76E-03	2.88E-04	1.34E-04
2507	437702.7	3762391	1.79E-03	2.92E-04	1.36E-04
2508	437711.4	3762394	1.81E-03	2.96E-04	1.37E-04
2509	437720	3762398	1.84E-03	3.00E-04	1.39E-04
2510	437728.6	3762401	1.86E-03	3.03E-04	1.41E-04
2511	437737.2	3762405	1.88E-03	3.07E-04	1.42E-04
2512	437745.9	3762408	1.90E-03	3.10E-04	1.44E-04
2513	437754.5	3762412	1.91E-03	3.13E-04	1.45E-04
2514	437763.1	3762416	1.93E-03	3.15E-04	1.46E-04
2515	437771.7	3762419	1.94E-03	3.17E-04	1.47E-04
2516	437780.4	3762423	1.96E-03	3.20E-04	1.48E-04
2517	437789	3762426	1.97E-03	3.21E-04	1.49E-04
2518	437797.6	3762430	1.98E-03	3.23E-04	1.50E-04
2519	437806.2	3762433	1.99E-03	3.25E-04	1.51E-04
2520	437814.9	3762437	1.99E-03	3.26E-04	1.51E-04
2521	437823.5	3762441	2.00E-03	3.27E-04	1.52E-04
2522	437835.7	3762453	2.08E-03	3.39E-04	1.57E-04
2523	437839.2	3762461	2.15E-03	3.51E-04	1.63E-04
2524	437842.8	3762470	2.22E-03	3.63E-04	1.68E-04
2525	437846.4	3762479	2.30E-03	3.76E-04	1.74E-04
2526	437849.9	3762487	2.38E-03	3.89E-04	1.80E-04
2527	437853.5	3762496	2.47E-03	4.03E-04	1.87E-04
2528	437857.1	3762505	2.55E-03	4.17E-04	1.93E-04
2529	437860.6	3762513	2.64E-03	4.32E-04	2.00E-04
2530	437864.2	3762522	2.74E-03	4.48E-04	2.08E-04
2531	437867.7	3762530	2.84E-03	4.64E-04	2.15E-04
2532	437871.3	3762539	2.94E-03	4.81E-04	2.23E-04
2533	437874.9	3762548	3.05E-03	4.99E-04	2.31E-04
2534	437878.4	3762556	3.17E-03	5.17E-04	2.40E-04
2535	437882	3762565	3.28E-03	5.36E-04	2.49E-04
2536	437885.6	3762574	3.41E-03	5.56E-04	2.58E-04
2537	437889.1	3762582	3.53E-03	5.77E-04	2.68E-04
2538	437892.7	3762591	3.67E-03	5.99E-04	2.78E-04
2539	437896.3	3762599	3.80E-03	6.21E-04	2.88E-04
2540	437899.8	3762608	3.94E-03	6.44E-04	2.99E-04
2541	437903.4	3762617	4.09E-03	6.68E-04	3.10E-04
2542	437906.9	3762625	4.23E-03	6.92E-04	3.21E-04

2543	437910.5	3762634	4.38E-03	7.16E-04	3.32E-04
2544	437914.1	3762643	4.53E-03	7.41E-04	3.44E-04
2545	437917.6	3762651	4.69E-03	7.66E-04	3.55E-04
2546	437921.2	3762660	4.84E-03	7.91E-04	3.67E-04
2547	437924.8	3762669	5.00E-03	8.16E-04	3.79E-04
2548	437928.3	3762677	5.15E-03	8.41E-04	3.90E-04
2549	437931.9	3762686	5.30E-03	8.66E-04	4.02E-04
2550	437935.5	3762694	5.45E-03	8.91E-04	4.13E-04
2551	437939	3762703	5.60E-03	9.14E-04	4.24E-04
2552	437942.6	3762712	5.74E-03	9.38E-04	4.35E-04
2553	437546.7	3762330	1.25E-03	2.04E-04	9.44E-05
2554	437537.3	3762330	1.23E-03	2.02E-04	9.35E-05
2555	437527.9	3762330	1.22E-03	2.00E-04	9.26E-05
2556	437518.5	3762330	1.21E-03	1.98E-04	9.17E-05
2557	437509.2	3762330	1.20E-03	1.96E-04	9.07E-05
2558	437499.8	3762330	1.19E-03	1.94E-04	8.98E-05
2559	437490.4	3762330	1.17E-03	1.92E-04	8.89E-05
2560	437481	3762330	1.16E-03	1.90E-04	8.79E-05
2561	437471.6	3762330	1.15E-03	1.88E-04	8.70E-05
2562	437462.2	3762330	1.14E-03	1.86E-04	8.61E-05
2563	437452.8	3762330	1.12E-03	1.84E-04	8.52E-05
2564	437443.4	3762330	1.11E-03	1.82E-04	8.43E-05
2565	437581.6	3762310	1.17E-03	1.91E-04	8.86E-05
2566	437590.1	3762314	1.20E-03	1.96E-04	9.07E-05
2567	437598.6	3762317	1.22E-03	2.00E-04	9.28E-05
2568	437607.1	3762321	1.25E-03	2.05E-04	9.49E-05
2569	437615.6	3762324	1.28E-03	2.09E-04	9.70E-05
2570	437624	3762328	1.31E-03	2.14E-04	9.91E-05
2571	437632.5	3762331	1.33E-03	2.18E-04	1.01E-04
2572	437641	3762335	1.36E-03	2.23E-04	1.03E-04
2573	437649.5	3762338	1.39E-03	2.27E-04	1.05E-04
2574	437658	3762342	1.41E-03	2.31E-04	1.07E-04
2575	437666.5	3762345	1.44E-03	2.35E-04	1.09E-04
2576	437675	3762349	1.47E-03	2.39E-04	1.11E-04
2577	437683.5	3762353	1.49E-03	2.43E-04	1.13E-04
2578	437692	3762356	1.51E-03	2.47E-04	1.15E-04
2579	437700.5	3762360	1.54E-03	2.51E-04	1.16E-04
2580	437709	3762363	1.56E-03	2.54E-04	1.18E-04
2581	437717.5	3762367	1.58E-03	2.58E-04	1.20E-04
2582	437726	3762370	1.60E-03	2.61E-04	1.21E-04
2583	437734.4	3762374	1.62E-03	2.64E-04	1.22E-04
2584	437742.9	3762377	1.63E-03	2.67E-04	1.24E-04
2585	437751.4	3762381	1.65E-03	2.69E-04	1.25E-04
2586	437759.9	3762384	1.66E-03	2.72E-04	1.26E-04
2587	437768.4	3762388	1.68E-03	2.74E-04	1.27E-04
2588	437776.9	3762391	1.69E-03	2.76E-04	1.28E-04
2589	437785.4	3762395	1.70E-03	2.78E-04	1.29E-04
2590	437793.9	3762398	1.72E-03	2.80E-04	1.30E-04
2591	437802.4	3762402	1.73E-03	2.82E-04	1.31E-04
2592	437810.9	3762405	1.73E-03	2.83E-04	1.31E-04
2593	437819.4	3762409	1.74E-03	2.85E-04	1.32E-04
2594	437827.9	3762412	1.75E-03	2.86E-04	1.33E-04

2595	437836.3	3762416	1.76E-03	2.87E-04	1.33E-04
2596	437844.8	3762419	1.76E-03	2.88E-04	1.33E-04
2597	437856.8	3762431	1.82E-03	2.97E-04	1.38E-04
2598	437860.4	3762440	1.88E-03	3.07E-04	1.42E-04
2599	437863.9	3762448	1.94E-03	3.17E-04	1.47E-04
2600	437867.4	3762457	2.00E-03	3.27E-04	1.52E-04
2601	437870.9	3762465	2.06E-03	3.37E-04	1.56E-04
2602	437874.4	3762474	2.13E-03	3.48E-04	1.62E-04
2603	437877.9	3762482	2.20E-03	3.60E-04	1.67E-04
2604	437881.4	3762491	2.27E-03	3.71E-04	1.72E-04
2605	437884.9	3762499	2.35E-03	3.83E-04	1.78E-04
2606	437888.4	3762508	2.43E-03	3.96E-04	1.84E-04
2607	437891.9	3762516	2.51E-03	4.09E-04	1.90E-04
2608	437895.4	3762525	2.59E-03	4.23E-04	1.96E-04
2609	437898.9	3762533	2.68E-03	4.38E-04	2.03E-04
2610	437902.5	3762542	2.77E-03	4.53E-04	2.10E-04
2611	437906	3762550	2.87E-03	4.68E-04	2.17E-04
2612	437909.5	3762559	2.96E-03	4.84E-04	2.25E-04
2613	437913	3762567	3.07E-03	5.01E-04	2.32E-04
2614	437916.5	3762576	3.17E-03	5.18E-04	2.40E-04
2615	437920	3762584	3.28E-03	5.36E-04	2.49E-04
2616	437923.5	3762593	3.40E-03	5.55E-04	2.57E-04
2617	437930.5	3762610	3.63E-03	5.93E-04	2.75E-04
2618	437934	3762618	3.75E-03	6.13E-04	2.84E-04
2619	437937.5	3762627	3.88E-03	6.33E-04	2.94E-04
2620	437941.1	3762635	4.00E-03	6.54E-04	3.03E-04
2621	437546.7	3762300	1.08E-03	1.76E-04	8.17E-05
2622	437537.3	3762300	1.07E-03	1.75E-04	8.10E-05
2623	437527.9	3762300	1.06E-03	1.73E-04	8.02E-05
2624	437518.5	3762300	1.05E-03	1.71E-04	7.94E-05
2625	437509.2	3762300	1.04E-03	1.70E-04	7.86E-05
2626	437499.8	3762300	1.03E-03	1.68E-04	7.78E-05
2627	437490.4	3762300	1.02E-03	1.66E-04	7.70E-05
2628	437481	3762300	1.01E-03	1.64E-04	7.62E-05
2629	437471.6	3762300	9.96E-04	1.63E-04	7.55E-05
2630	437462.2	3762300	9.86E-04	1.61E-04	7.47E-05
2631	437452.8	3762300	9.76E-04	1.59E-04	7.40E-05
2632	437443.4	3762300	9.66E-04	1.58E-04	7.32E-05
2633	437581.9	3762280	1.02E-03	1.67E-04	7.73E-05
2634	437590.5	3762284	1.04E-03	1.71E-04	7.91E-05
2635	437599.1	3762288	1.07E-03	1.74E-04	8.09E-05
2636	437607.7	3762291	1.09E-03	1.78E-04	8.27E-05
2637	437616.4	3762295	1.12E-03	1.82E-04	8.45E-05
2638	437625	3762298	1.14E-03	1.86E-04	8.63E-05
2639	437633.6	3762302	1.16E-03	1.90E-04	8.81E-05
2640	437642.2	3762305	1.19E-03	1.94E-04	8.99E-05
2641	437650.8	3762309	1.21E-03	1.98E-04	9.16E-05
2642	437659.4	3762313	1.23E-03	2.01E-04	9.34E-05
2643	437668	3762316	1.25E-03	2.05E-04	9.51E-05
2644	437676.6	3762320	1.28E-03	2.08E-04	9.67E-05
2645	437685.2	3762323	1.30E-03	2.12E-04	9.83E-05
2646	437693.8	3762327	1.32E-03	2.15E-04	9.99E-05

2647	437702.4	3762330	1.34E-03	2.19E-04	1.01E-04
2648	437711	3762334	1.36E-03	2.22E-04	1.03E-04
2649	437719.6	3762338	1.38E-03	2.25E-04	1.04E-04
2650	437728.2	3762341	1.39E-03	2.28E-04	1.06E-04
2651	437736.9	3762345	1.41E-03	2.31E-04	1.07E-04
2652	437745.5	3762348	1.43E-03	2.33E-04	1.08E-04
2653	437754.1	3762352	1.44E-03	2.36E-04	1.09E-04
2654	437762.7	3762355	1.46E-03	2.38E-04	1.10E-04
2655	437771.3	3762359	1.47E-03	2.40E-04	1.11E-04
2656	437779.9	3762362	1.48E-03	2.42E-04	1.12E-04
2657	437788.5	3762366	1.49E-03	2.44E-04	1.13E-04
2658	437797.1	3762370	1.51E-03	2.46E-04	1.14E-04
2659	437805.7	3762373	1.52E-03	2.48E-04	1.15E-04
2660	437814.3	3762377	1.52E-03	2.49E-04	1.16E-04
2661	437822.9	3762380	1.53E-03	2.50E-04	1.16E-04
2662	437831.5	3762384	1.54E-03	2.52E-04	1.17E-04
2663	437840.1	3762387	1.55E-03	2.53E-04	1.17E-04
2664	437848.7	3762391	1.55E-03	2.54E-04	1.18E-04
2665	437857.3	3762395	1.56E-03	2.55E-04	1.18E-04
2666	437866	3762398	1.56E-03	2.55E-04	1.18E-04
2667	437878.1	3762410	1.61E-03	2.63E-04	1.22E-04
2668	437881.7	3762419	1.66E-03	2.71E-04	1.26E-04
2669	437885.2	3762428	1.71E-03	2.80E-04	1.30E-04
2670	437888.8	3762436	1.76E-03	2.88E-04	1.34E-04
2671	437892.3	3762445	1.82E-03	2.97E-04	1.38E-04
2672	437895.9	3762453	1.87E-03	3.06E-04	1.42E-04
2673	437899.5	3762462	1.93E-03	3.15E-04	1.46E-04
2674	437903	3762471	1.99E-03	3.25E-04	1.51E-04
2675	437906.6	3762479	2.05E-03	3.35E-04	1.55E-04
2676	437910.1	3762488	2.11E-03	3.45E-04	1.60E-04
2677	437913.7	3762496	2.18E-03	3.56E-04	1.65E-04
2678	437917.2	3762505	2.25E-03	3.68E-04	1.71E-04
2679	437920.8	3762514	2.32E-03	3.79E-04	1.76E-04
2680	437924.3	3762522	2.40E-03	3.92E-04	1.82E-04
2681	437927.9	3762531	2.47E-03	4.04E-04	1.88E-04
2682	437931.5	3762540	2.56E-03	4.17E-04	1.94E-04
2683	437935	3762548	2.64E-03	4.31E-04	2.00E-04
2684	437938.6	3762557	2.73E-03	4.45E-04	2.07E-04
2685	437995.5	3762695	4.38E-03	7.16E-04	3.32E-04
2686	437999	3762703	4.48E-03	7.33E-04	3.40E-04
2687	438002.6	3762712	4.58E-03	7.48E-04	3.47E-04
2688	437546.7	3762270	9.43E-04	1.54E-04	7.15E-05
2689	437537.3	3762270	9.35E-04	1.53E-04	7.08E-05
2690	437527.9	3762270	9.26E-04	1.51E-04	7.02E-05
2691	437518.5	3762270	9.17E-04	1.50E-04	6.95E-05
2692	437509.2	3762270	9.08E-04	1.48E-04	6.88E-05
2693	437499.8	3762270	8.99E-04	1.47E-04	6.81E-05
2694	437490.4	3762270	8.90E-04	1.45E-04	6.75E-05
2695	437481	3762270	8.81E-04	1.44E-04	6.68E-05
2696	437471.6	3762270	8.73E-04	1.43E-04	6.61E-05
2697	437462.2	3762270	8.64E-04	1.41E-04	6.55E-05
2698	437452.8	3762270	8.56E-04	1.40E-04	6.49E-05

2699	437443.4	3762270	8.48E-04	1.39E-04	6.43E-05
2700	437649.5	3762278	1.06E-03	1.73E-04	8.01E-05
2701	437658	3762282	1.08E-03	1.76E-04	8.15E-05
2702	437666.5	3762285	1.10E-03	1.79E-04	8.30E-05
2703	437675	3762289	1.11E-03	1.82E-04	8.44E-05
2704	437683.5	3762293	1.13E-03	1.85E-04	8.58E-05
2705	437692	3762296	1.15E-03	1.88E-04	8.72E-05
2706	437700.5	3762300	1.17E-03	1.91E-04	8.85E-05
2707	437709	3762303	1.19E-03	1.94E-04	8.98E-05
2708	437717.5	3762307	1.20E-03	1.96E-04	9.11E-05
2709	437725.9	3762310	1.22E-03	1.99E-04	9.23E-05
2710	437734.4	3762314	1.23E-03	2.02E-04	9.35E-05
2711	437742.9	3762317	1.25E-03	2.04E-04	9.46E-05
2712	437751.4	3762321	1.26E-03	2.06E-04	9.57E-05
2713	437759.9	3762324	1.28E-03	2.08E-04	9.67E-05
2714	437768.4	3762328	1.29E-03	2.11E-04	9.77E-05
2715	437776.9	3762331	1.30E-03	2.13E-04	9.86E-05
2716	437785.4	3762335	1.31E-03	2.14E-04	9.95E-05
2717	437793.9	3762338	1.32E-03	2.16E-04	1.00E-04
2718	437802.4	3762342	1.33E-03	2.18E-04	1.01E-04
2719	437810.9	3762345	1.34E-03	2.19E-04	1.02E-04
2720	437819.4	3762349	1.35E-03	2.21E-04	1.02E-04
2721	437827.9	3762352	1.36E-03	2.22E-04	1.03E-04
2722	437836.3	3762356	1.37E-03	2.23E-04	1.04E-04
2723	437844.8	3762359	1.37E-03	2.24E-04	1.04E-04
2724	437853.3	3762363	1.38E-03	2.25E-04	1.05E-04
2725	437861.8	3762366	1.39E-03	2.26E-04	1.05E-04
2726	437870.3	3762370	1.39E-03	2.27E-04	1.05E-04
2727	437878.8	3762374	1.39E-03	2.28E-04	1.06E-04
2728	437887.3	3762377	1.40E-03	2.28E-04	1.06E-04
2729	437899.3	3762389	1.44E-03	2.35E-04	1.09E-04
2730	437902.8	3762398	1.48E-03	2.41E-04	1.12E-04
2731	437906.3	3762406	1.52E-03	2.48E-04	1.15E-04
2732	437909.8	3762415	1.56E-03	2.55E-04	1.18E-04
2733	437913.3	3762423	1.61E-03	2.62E-04	1.22E-04
2734	437916.8	3762432	1.65E-03	2.70E-04	1.25E-04
2735	437920.4	3762440	1.70E-03	2.77E-04	1.29E-04
2736	437923.9	3762449	1.74E-03	2.85E-04	1.32E-04
2737	437927.4	3762457	1.79E-03	2.93E-04	1.36E-04
2738	437930.9	3762466	1.85E-03	3.02E-04	1.40E-04
2739	437934.4	3762474	1.90E-03	3.10E-04	1.44E-04
2740	437937.9	3762483	1.95E-03	3.19E-04	1.48E-04
2741	437941.4	3762491	2.01E-03	3.29E-04	1.52E-04
2742	437944.9	3762500	2.07E-03	3.38E-04	1.57E-04
2743	437994	3762618	3.15E-03	5.15E-04	2.39E-04
2744	437997.5	3762627	3.24E-03	5.30E-04	2.46E-04
2745	438001.1	3762635	3.34E-03	5.45E-04	2.53E-04
2746	438004.6	3762644	3.43E-03	5.60E-04	2.60E-04
2747	438008.1	3762652	3.52E-03	5.75E-04	2.67E-04
2748	438011.6	3762661	3.61E-03	5.90E-04	2.74E-04
2749	438015.1	3762669	3.70E-03	6.05E-04	2.80E-04
2750	438018.6	3762678	3.79E-03	6.19E-04	2.87E-04

2751	438022.1	3762686	3.88E-03	6.34E-04	2.94E-04
2752	438025.6	3762695	3.96E-03	6.48E-04	3.00E-04
2753	438029.1	3762703	4.05E-03	6.61E-04	3.07E-04
2754	438032.6	3762712	4.13E-03	6.74E-04	3.13E-04
2755	437546.7	3762240	8.33E-04	1.36E-04	6.31E-05
2756	437537.3	3762240	8.25E-04	1.35E-04	6.25E-05
2757	437527.9	3762240	8.17E-04	1.34E-04	6.19E-05
2758	437518.5	3762240	8.10E-04	1.32E-04	6.14E-05
2759	437509.1	3762240	8.02E-04	1.31E-04	6.08E-05
2760	437499.8	3762240	7.94E-04	1.30E-04	6.02E-05
2761	437490.4	3762240	7.87E-04	1.29E-04	5.96E-05
2762	437481	3762240	7.79E-04	1.27E-04	5.91E-05
2763	437471.6	3762240	7.72E-04	1.26E-04	5.85E-05
2764	437462.2	3762240	7.65E-04	1.25E-04	5.79E-05
2765	437452.8	3762240	7.58E-04	1.24E-04	5.74E-05
2766	437443.4	3762240	7.51E-04	1.23E-04	5.69E-05
2767	437719.4	3762277	1.06E-03	1.74E-04	8.07E-05
2768	437728	3762281	1.08E-03	1.76E-04	8.18E-05
2769	437736.6	3762285	1.09E-03	1.79E-04	8.29E-05
2770	437745.2	3762288	1.11E-03	1.81E-04	8.39E-05
2771	437753.7	3762292	1.12E-03	1.83E-04	8.49E-05
2772	437762.3	3762295	1.13E-03	1.85E-04	8.58E-05
2773	437770.9	3762299	1.14E-03	1.87E-04	8.67E-05
2774	437779.5	3762302	1.16E-03	1.89E-04	8.76E-05
2775	437788.1	3762306	1.17E-03	1.91E-04	8.84E-05
2776	437796.7	3762309	1.18E-03	1.92E-04	8.92E-05
2777	437805.3	3762313	1.19E-03	1.94E-04	8.99E-05
2778	437813.9	3762317	1.20E-03	1.95E-04	9.06E-05
2779	437822.5	3762320	1.20E-03	1.97E-04	9.12E-05
2780	437831.1	3762324	1.21E-03	1.98E-04	9.18E-05
2781	437839.7	3762327	1.22E-03	1.99E-04	9.24E-05
2782	437848.3	3762331	1.23E-03	2.00E-04	9.29E-05
2783	437856.9	3762334	1.23E-03	2.01E-04	9.34E-05
2784	437865.5	3762338	1.24E-03	2.02E-04	9.38E-05
2785	437874	3762342	1.24E-03	2.03E-04	9.42E-05
2786	437882.6	3762345	1.25E-03	2.04E-04	9.45E-05
2787	437891.2	3762349	1.25E-03	2.04E-04	9.48E-05
2788	437899.8	3762352	1.26E-03	2.05E-04	9.51E-05
2789	437908.4	3762356	1.26E-03	2.06E-04	9.53E-05
2790	437920.6	3762368	1.29E-03	2.11E-04	9.80E-05
2791	437924.1	3762377	1.33E-03	2.17E-04	1.01E-04
2792	437927.7	3762385	1.36E-03	2.23E-04	1.03E-04
2793	437931.2	3762394	1.40E-03	2.28E-04	1.06E-04
2794	437934.8	3762402	1.44E-03	2.34E-04	1.09E-04
2795	437938.3	3762411	1.47E-03	2.41E-04	1.12E-04
2796	437941.9	3762420	1.51E-03	2.47E-04	1.15E-04
2797	437945.4	3762428	1.55E-03	2.54E-04	1.18E-04
2798	437949	3762437	1.59E-03	2.61E-04	1.21E-04
2799	437952.5	3762445	1.64E-03	2.68E-04	1.24E-04
2800	437956.1	3762454	1.68E-03	2.75E-04	1.28E-04
2801	438005.8	3762574	2.51E-03	4.10E-04	1.90E-04
2802	438009.3	3762583	2.58E-03	4.22E-04	1.96E-04

2803	438012.9	3762591	2.66E-03	4.34E-04	2.01E-04
2804	438016.4	3762600	2.74E-03	4.47E-04	2.07E-04
2805	438020	3762609	2.81E-03	4.60E-04	2.13E-04
2806	438023.5	3762617	2.89E-03	4.72E-04	2.19E-04
2807	438027.1	3762626	2.97E-03	4.85E-04	2.25E-04
2808	438030.6	3762634	3.05E-03	4.98E-04	2.31E-04
2809	438034.2	3762643	3.13E-03	5.11E-04	2.37E-04
2810	438037.7	3762652	3.21E-03	5.24E-04	2.43E-04
2811	438041.3	3762660	3.29E-03	5.37E-04	2.49E-04
2812	438044.8	3762669	3.37E-03	5.50E-04	2.55E-04
2813	438048.4	3762677	3.45E-03	5.63E-04	2.61E-04
2814	438051.9	3762686	3.52E-03	5.75E-04	2.67E-04
2815	438055.5	3762695	3.60E-03	5.87E-04	2.72E-04
2816	438059	3762703	3.67E-03	5.99E-04	2.78E-04
2817	438062.6	3762712	3.74E-03	6.11E-04	2.83E-04
2818	437546.7	3762210	7.41E-04	1.21E-04	5.62E-05
2819	437537.3	3762210	7.35E-04	1.20E-04	5.57E-05
2820	437527.9	3762210	7.28E-04	1.19E-04	5.51E-05
2821	437518.5	3762210	7.21E-04	1.18E-04	5.46E-05
2822	437509.1	3762210	7.14E-04	1.17E-04	5.41E-05
2823	437499.8	3762210	7.07E-04	1.16E-04	5.36E-05
2824	437490.4	3762210	7.01E-04	1.15E-04	5.31E-05
2825	437481	3762210	6.94E-04	1.13E-04	5.26E-05
2826	437471.6	3762210	6.88E-04	1.12E-04	5.21E-05
2827	437462.2	3762210	6.82E-04	1.11E-04	5.17E-05
2828	437452.8	3762210	6.76E-04	1.10E-04	5.12E-05
2829	437443.4	3762210	6.70E-04	1.09E-04	5.08E-05
2830	437793.9	3762278	1.05E-03	1.71E-04	7.93E-05
2831	437802.4	3762282	1.06E-03	1.73E-04	8.00E-05
2832	437810.9	3762285	1.06E-03	1.74E-04	8.07E-05
2833	437819.4	3762289	1.07E-03	1.75E-04	8.13E-05
2834	437827.8	3762292	1.08E-03	1.77E-04	8.19E-05
2835	437836.3	3762296	1.09E-03	1.78E-04	8.25E-05
2836	437844.8	3762299	1.10E-03	1.79E-04	8.30E-05
2837	437853.3	3762303	1.10E-03	1.80E-04	8.35E-05
2838	437861.8	3762306	1.11E-03	1.81E-04	8.40E-05
2839	437870.3	3762310	1.11E-03	1.82E-04	8.44E-05
2840	437878.8	3762314	1.12E-03	1.83E-04	8.48E-05
2841	437887.3	3762317	1.12E-03	1.84E-04	8.51E-05
2842	437895.8	3762321	1.13E-03	1.84E-04	8.54E-05
2843	437904.3	3762324	1.13E-03	1.85E-04	8.57E-05
2844	437912.8	3762328	1.13E-03	1.85E-04	8.60E-05
2845	437921.3	3762331	1.14E-03	1.86E-04	8.62E-05
2846	437929.8	3762335	1.14E-03	1.86E-04	8.64E-05
2847	437941.8	3762347	1.17E-03	1.91E-04	8.86E-05
2848	437945.3	3762355	1.20E-03	1.96E-04	9.08E-05
2849	437948.8	3762364	1.23E-03	2.01E-04	9.30E-05
2850	437952.3	3762372	1.26E-03	2.05E-04	9.53E-05
2851	437955.8	3762381	1.29E-03	2.10E-04	9.76E-05
2852	437983.9	3762449	1.57E-03	2.56E-04	1.19E-04
2853	437987.4	3762457	1.61E-03	2.63E-04	1.22E-04
2854	437990.9	3762466	1.65E-03	2.70E-04	1.25E-04

2855	437994.4	3762474	1.70E-03	2.77E-04	1.29E-04
2856	437997.9	3762483	1.74E-03	2.84E-04	1.32E-04
2857	438001.4	3762491	1.79E-03	2.92E-04	1.35E-04
2858	438004.9	3762500	1.84E-03	3.00E-04	1.39E-04
2859	438008.4	3762508	1.89E-03	3.08E-04	1.43E-04
2860	438011.9	3762517	1.94E-03	3.17E-04	1.47E-04
2861	438015.4	3762525	1.99E-03	3.26E-04	1.51E-04
2862	438018.9	3762534	2.05E-03	3.35E-04	1.55E-04
2863	438022.5	3762542	2.11E-03	3.44E-04	1.60E-04
2864	438026	3762551	2.16E-03	3.53E-04	1.64E-04
2865	438029.5	3762559	2.22E-03	3.63E-04	1.69E-04
2866	438033	3762568	2.29E-03	3.73E-04	1.73E-04
2867	438036.5	3762576	2.35E-03	3.84E-04	1.78E-04
2868	438040	3762585	2.41E-03	3.94E-04	1.83E-04
2869	438043.5	3762593	2.48E-03	4.05E-04	1.88E-04
2870	438047	3762602	2.54E-03	4.16E-04	1.93E-04
2871	438050.5	3762610	2.61E-03	4.27E-04	1.98E-04
2872	438054	3762619	2.68E-03	4.38E-04	2.03E-04
2873	438057.5	3762627	2.75E-03	4.49E-04	2.08E-04
2874	438061.1	3762636	2.82E-03	4.60E-04	2.13E-04
2875	438064.6	3762644	2.88E-03	4.71E-04	2.19E-04
2876	438068.1	3762653	2.95E-03	4.82E-04	2.24E-04
2877	438071.6	3762661	3.02E-03	4.93E-04	2.29E-04
2878	438075.1	3762670	3.09E-03	5.04E-04	2.34E-04
2879	438078.6	3762678	3.15E-03	5.15E-04	2.39E-04
2880	438082.1	3762687	3.22E-03	5.26E-04	2.44E-04
2881	438085.6	3762695	3.28E-03	5.36E-04	2.49E-04
2882	438089.1	3762704	3.34E-03	5.46E-04	2.53E-04
2883	438092.6	3762712	3.40E-03	5.56E-04	2.58E-04
2884	437546.7	3762180	6.65E-04	1.09E-04	5.04E-05
2885	437537.3	3762180	6.59E-04	1.08E-04	4.99E-05
2886	437527.9	3762180	6.53E-04	1.07E-04	4.94E-05
2887	437518.5	3762180	6.47E-04	1.06E-04	4.90E-05
2888	437509.1	3762180	6.41E-04	1.05E-04	4.85E-05
2889	437499.8	3762180	6.35E-04	1.04E-04	4.81E-05
2890	437490.4	3762180	6.29E-04	1.03E-04	4.77E-05
2891	437481	3762180	6.23E-04	1.02E-04	4.72E-05
2892	437471.6	3762180	6.18E-04	1.01E-04	4.68E-05
2893	437462.2	3762180	6.13E-04	1.00E-04	4.64E-05
2894	437452.8	3762180	6.07E-04	9.92E-05	4.60E-05
2895	437443.4	3762180	6.03E-04	9.84E-05	4.57E-05
2896	437865.1	3762278	1.00E-03	1.63E-04	7.58E-05
2897	437873.6	3762281	1.01E-03	1.64E-04	7.62E-05
2898	437882.2	3762285	1.01E-03	1.65E-04	7.66E-05
2899	437890.8	3762288	1.02E-03	1.66E-04	7.70E-05
2900	437899.4	3762292	1.02E-03	1.67E-04	7.73E-05
2901	437908	3762296	1.02E-03	1.67E-04	7.76E-05
2902	437916.6	3762299	1.03E-03	1.68E-04	7.79E-05
2903	437925.1	3762303	1.03E-03	1.68E-04	7.82E-05
2904	437933.7	3762306	1.03E-03	1.69E-04	7.84E-05
2905	437942.3	3762310	1.04E-03	1.69E-04	7.86E-05
2906	437950.9	3762313	1.04E-03	1.70E-04	7.87E-05

2907	437984.3	3762377	1.22E-03	2.00E-04	9.26E-05
2908	437987.8	3762386	1.25E-03	2.04E-04	9.48E-05
2909	437991.4	3762394	1.28E-03	2.09E-04	9.70E-05
2910	437994.9	3762403	1.31E-03	2.14E-04	9.93E-05
2911	437998.5	3762411	1.34E-03	2.19E-04	1.02E-04
2912	438002	3762420	1.37E-03	2.24E-04	1.04E-04
2913	438005.6	3762429	1.41E-03	2.30E-04	1.07E-04
2914	438009.1	3762437	1.44E-03	2.36E-04	1.09E-04
2915	438012.7	3762446	1.48E-03	2.41E-04	1.12E-04
2916	438016.2	3762454	1.51E-03	2.47E-04	1.15E-04
2917	438019.8	3762463	1.55E-03	2.54E-04	1.18E-04
2918	438023.3	3762472	1.59E-03	2.60E-04	1.21E-04
2919	438026.8	3762480	1.63E-03	2.67E-04	1.24E-04
2920	438030.4	3762489	1.68E-03	2.74E-04	1.27E-04
2921	438033.9	3762497	1.72E-03	2.81E-04	1.30E-04
2922	438037.5	3762506	1.77E-03	2.89E-04	1.34E-04
2923	438041	3762514	1.81E-03	2.96E-04	1.37E-04
2924	438044.6	3762523	1.86E-03	3.04E-04	1.41E-04
2925	438048.1	3762532	1.91E-03	3.12E-04	1.45E-04
2926	438051.7	3762540	1.96E-03	3.21E-04	1.49E-04
2927	438055.2	3762549	2.02E-03	3.29E-04	1.53E-04
2928	438058.8	3762557	2.07E-03	3.38E-04	1.57E-04
2929	438062.3	3762566	2.12E-03	3.47E-04	1.61E-04
2930	438065.9	3762575	2.18E-03	3.56E-04	1.65E-04
2931	438069.4	3762583	2.24E-03	3.65E-04	1.69E-04
2932	438073	3762592	2.29E-03	3.75E-04	1.74E-04
2933	438076.5	3762600	2.35E-03	3.84E-04	1.78E-04
2934	438080	3762609	2.41E-03	3.94E-04	1.83E-04
2935	438083.6	3762618	2.47E-03	4.04E-04	1.87E-04
2936	438087.1	3762626	2.53E-03	4.14E-04	1.92E-04
2937	438090.7	3762635	2.59E-03	4.24E-04	1.97E-04
2938	438094.2	3762643	2.65E-03	4.34E-04	2.01E-04
2939	438097.8	3762652	2.71E-03	4.43E-04	2.06E-04
2940	438101.3	3762660	2.77E-03	4.53E-04	2.10E-04
2941	438104.9	3762669	2.83E-03	4.63E-04	2.15E-04
2942	438108.4	3762678	2.89E-03	4.72E-04	2.19E-04
2943	438112	3762686	2.94E-03	4.81E-04	2.23E-04
2944	438115.5	3762695	3.00E-03	4.90E-04	2.27E-04
2945	438119.1	3762703	3.05E-03	4.99E-04	2.31E-04
2946	438122.6	3762712	3.10E-03	5.07E-04	2.35E-04
2947	437546.7	3762150	6.00E-04	9.81E-05	4.55E-05
2948	437537.3	3762150	5.95E-04	9.72E-05	4.51E-05
2949	437527.9	3762150	5.90E-04	9.63E-05	4.47E-05
2950	437518.5	3762150	5.84E-04	9.55E-05	4.43E-05
2951	437509.1	3762150	5.79E-04	9.46E-05	4.39E-05
2952	437499.7	3762150	5.74E-04	9.38E-05	4.35E-05
2953	437490.4	3762150	5.69E-04	9.29E-05	4.31E-05
2954	437481	3762150	5.64E-04	9.21E-05	4.27E-05
2955	437471.6	3762150	5.59E-04	9.13E-05	4.24E-05
2956	437462.2	3762150	5.54E-04	9.05E-05	4.20E-05
2957	437452.8	3762150	5.50E-04	8.98E-05	4.16E-05
2958	437443.4	3762150	5.45E-04	8.91E-05	4.13E-05

2959	437937.4	3762278	9.42E-04	1.54E-04	7.14E-05
2960	437946	3762281	9.45E-04	1.54E-04	7.16E-05
2961	437954.7	3762285	9.48E-04	1.55E-04	7.18E-05
2962	438016.5	3762382	1.19E-03	1.94E-04	9.00E-05
2963	438020.1	3762391	1.21E-03	1.98E-04	9.20E-05
2964	438023.7	3762400	1.24E-03	2.03E-04	9.41E-05
2965	438027.2	3762408	1.27E-03	2.08E-04	9.63E-05
2966	438030.8	3762417	1.30E-03	2.12E-04	9.85E-05
2967	438034.4	3762426	1.33E-03	2.17E-04	1.01E-04
2968	438038	3762434	1.36E-03	2.22E-04	1.03E-04
2969	438041.6	3762443	1.39E-03	2.28E-04	1.06E-04
2970	438045.1	3762452	1.43E-03	2.33E-04	1.08E-04
2971	438048.7	3762460	1.46E-03	2.39E-04	1.11E-04
2972	438052.3	3762469	1.50E-03	2.45E-04	1.14E-04
2973	438055.9	3762478	1.54E-03	2.51E-04	1.16E-04
2974	438059.5	3762486	1.58E-03	2.57E-04	1.19E-04
2975	438063.1	3762495	1.62E-03	2.64E-04	1.22E-04
2976	438066.6	3762504	1.66E-03	2.71E-04	1.26E-04
2977	438070.2	3762513	1.70E-03	2.78E-04	1.29E-04
2978	438073.8	3762521	1.74E-03	2.85E-04	1.32E-04
2979	438077.4	3762530	1.79E-03	2.92E-04	1.36E-04
2980	438081	3762539	1.83E-03	3.00E-04	1.39E-04
2981	438084.5	3762547	1.88E-03	3.07E-04	1.43E-04
2982	438088.1	3762556	1.93E-03	3.15E-04	1.46E-04
2983	438091.7	3762565	1.98E-03	3.23E-04	1.50E-04
2984	438095.3	3762573	2.03E-03	3.31E-04	1.54E-04
2985	438098.9	3762582	2.08E-03	3.40E-04	1.58E-04
2986	438102.4	3762591	2.13E-03	3.48E-04	1.62E-04
2987	438106	3762599	2.18E-03	3.57E-04	1.65E-04
2988	438109.6	3762608	2.24E-03	3.65E-04	1.70E-04
2989	438113.2	3762617	2.29E-03	3.74E-04	1.74E-04
2990	438116.8	3762625	2.34E-03	3.83E-04	1.78E-04
2991	438120.3	3762634	2.40E-03	3.92E-04	1.82E-04
2992	438123.9	3762643	2.45E-03	4.00E-04	1.86E-04
2993	438127.5	3762651	2.50E-03	4.09E-04	1.90E-04
2994	438131.1	3762660	2.56E-03	4.18E-04	1.94E-04
2995	438134.7	3762669	2.61E-03	4.26E-04	1.98E-04
2996	438138.2	3762677	2.66E-03	4.34E-04	2.01E-04
2997	438141.8	3762686	2.70E-03	4.42E-04	2.05E-04
2998	438145.4	3762695	2.75E-03	4.50E-04	2.09E-04
2999	438149	3762703	2.80E-03	4.57E-04	2.12E-04
3000	438152.6	3762712	2.84E-03	4.64E-04	2.15E-04
3001	437546.7	3762120	5.45E-04	8.90E-05	4.13E-05
3002	437537.3	3762120	5.40E-04	8.82E-05	4.09E-05
3003	437527.9	3762120	5.35E-04	8.75E-05	4.06E-05
3004	437518.5	3762120	5.31E-04	8.67E-05	4.02E-05
3005	437509.1	3762120	5.26E-04	8.60E-05	3.99E-05
3006	437499.7	3762120	5.22E-04	8.53E-05	3.95E-05
3007	437490.4	3762120	5.18E-04	8.46E-05	3.92E-05
3008	437481	3762120	5.13E-04	8.38E-05	3.89E-05
3009	437471.6	3762120	5.09E-04	8.31E-05	3.86E-05
3010	437462.2	3762120	5.05E-04	8.24E-05	3.82E-05

3011	437452.8	3762120	5.00E-04	8.18E-05	3.79E-05
3012	437443.4	3762120	4.97E-04	8.11E-05	3.76E-05
3013	437983.4	3762257	8.50E-04	1.39E-04	6.44E-05
3014	437991.9	3762260	8.51E-04	1.39E-04	6.45E-05
3015	438000.5	3762264	8.53E-04	1.39E-04	6.46E-05
3016	438012.5	3762276	8.71E-04	1.42E-04	6.60E-05
3017	438016.1	3762285	8.89E-04	1.45E-04	6.74E-05
3018	438019.6	3762293	9.07E-04	1.48E-04	6.87E-05
3019	438023.1	3762302	9.25E-04	1.51E-04	7.01E-05
3020	438026.7	3762310	9.44E-04	1.54E-04	7.15E-05
3021	438030.2	3762319	9.63E-04	1.57E-04	7.30E-05
3022	438033.7	3762327	9.83E-04	1.61E-04	7.45E-05
3023	438037.3	3762336	1.00E-03	1.64E-04	7.60E-05
3024	438040.8	3762344	1.02E-03	1.67E-04	7.75E-05
3025	438054.9	3762379	1.11E-03	1.81E-04	8.41E-05
3026	438058.4	3762387	1.13E-03	1.85E-04	8.59E-05
3027	438062	3762396	1.16E-03	1.89E-04	8.77E-05
3028	438065.5	3762404	1.18E-03	1.93E-04	8.96E-05
3029	438069	3762413	1.21E-03	1.97E-04	9.15E-05
3030	438072.6	3762421	1.23E-03	2.02E-04	9.35E-05
3031	438076.1	3762430	1.26E-03	2.06E-04	9.56E-05
3032	438079.6	3762438	1.29E-03	2.11E-04	9.77E-05
3033	438083.2	3762447	1.32E-03	2.15E-04	9.99E-05
3034	438086.7	3762456	1.35E-03	2.20E-04	1.02E-04
3035	438090.2	3762464	1.38E-03	2.25E-04	1.05E-04
3036	438093.7	3762473	1.41E-03	2.31E-04	1.07E-04
3037	438097.3	3762481	1.45E-03	2.36E-04	1.10E-04
3038	438100.8	3762490	1.48E-03	2.42E-04	1.12E-04
3039	438104.3	3762498	1.51E-03	2.47E-04	1.15E-04
3040	438107.9	3762507	1.55E-03	2.53E-04	1.18E-04
3041	438111.4	3762515	1.59E-03	2.59E-04	1.20E-04
3042	438114.9	3762524	1.63E-03	2.66E-04	1.23E-04
3043	438118.5	3762533	1.66E-03	2.72E-04	1.26E-04
3044	438122	3762541	1.70E-03	2.78E-04	1.29E-04
3045	438125.5	3762550	1.75E-03	2.85E-04	1.32E-04
3046	438129.1	3762558	1.79E-03	2.92E-04	1.35E-04
3047	438132.6	3762567	1.83E-03	2.99E-04	1.39E-04
3048	438136.1	3762575	1.87E-03	3.06E-04	1.42E-04
3049	438139.6	3762584	1.92E-03	3.13E-04	1.45E-04
3050	438143.2	3762592	1.96E-03	3.20E-04	1.49E-04
3051	438146.7	3762601	2.00E-03	3.27E-04	1.52E-04
3052	438150.2	3762610	2.05E-03	3.35E-04	1.55E-04
3053	438153.8	3762618	2.09E-03	3.42E-04	1.59E-04
3054	438157.3	3762627	2.14E-03	3.49E-04	1.62E-04
3055	438160.8	3762635	2.18E-03	3.56E-04	1.65E-04
3056	438164.4	3762644	2.22E-03	3.63E-04	1.69E-04
3057	438167.9	3762652	2.27E-03	3.71E-04	1.72E-04
3058	438171.4	3762661	2.31E-03	3.77E-04	1.75E-04
3059	438175	3762669	2.35E-03	3.84E-04	1.78E-04
3060	438178.5	3762678	2.39E-03	3.91E-04	1.81E-04
3061	438182	3762686	2.43E-03	3.97E-04	1.84E-04
3062	438185.6	3762695	2.47E-03	4.04E-04	1.87E-04

3063	438189.1	3762704	2.51E-03	4.10E-04	1.90E-04
3064	438192.6	3762712	2.54E-03	4.16E-04	1.93E-04
3065	437985.7	3762218	7.62E-04	1.24E-04	5.77E-05
3066	437994.3	3762221	7.64E-04	1.25E-04	5.79E-05
3067	438002.9	3762225	7.66E-04	1.25E-04	5.80E-05
3068	438011.5	3762229	7.67E-04	1.25E-04	5.81E-05
3069	438020.1	3762232	7.69E-04	1.26E-04	5.82E-05
3070	438028.7	3762236	7.70E-04	1.26E-04	5.83E-05
3071	438040.9	3762248	7.86E-04	1.28E-04	5.95E-05
3072	438044.4	3762256	8.01E-04	1.31E-04	6.07E-05
3073	438048	3762265	8.16E-04	1.33E-04	6.18E-05
3074	438051.5	3762274	8.31E-04	1.36E-04	6.30E-05
3075	438055.1	3762282	8.47E-04	1.38E-04	6.42E-05
3076	438058.6	3762291	8.63E-04	1.41E-04	6.54E-05
3077	438062.2	3762299	8.79E-04	1.44E-04	6.66E-05
3078	438065.7	3762308	8.96E-04	1.46E-04	6.79E-05
3079	438069.3	3762317	9.13E-04	1.49E-04	6.92E-05
3080	438072.8	3762325	9.30E-04	1.52E-04	7.05E-05
3081	438076.4	3762334	9.48E-04	1.55E-04	7.19E-05
3082	438079.9	3762342	9.66E-04	1.58E-04	7.32E-05
3083	438083.5	3762351	9.85E-04	1.61E-04	7.46E-05
3084	438087	3762360	1.00E-03	1.64E-04	7.61E-05
3085	438090.6	3762368	1.02E-03	1.67E-04	7.76E-05
3086	438094.1	3762377	1.04E-03	1.71E-04	7.91E-05
3087	438097.7	3762385	1.07E-03	1.74E-04	8.07E-05
3088	438101.2	3762394	1.09E-03	1.78E-04	8.23E-05
3089	438104.8	3762403	1.11E-03	1.81E-04	8.40E-05
3090	438108.3	3762411	1.13E-03	1.85E-04	8.58E-05
3091	438111.9	3762420	1.16E-03	1.89E-04	8.75E-05
3092	438115.4	3762428	1.18E-03	1.93E-04	8.94E-05
3093	438119	3762437	1.21E-03	1.97E-04	9.13E-05
3094	438122.5	3762446	1.23E-03	2.01E-04	9.33E-05
3095	438126.1	3762454	1.26E-03	2.06E-04	9.53E-05
3096	438129.6	3762463	1.29E-03	2.10E-04	9.75E-05
3097	438133.2	3762471	1.31E-03	2.15E-04	9.96E-05
3098	438136.7	3762480	1.34E-03	2.20E-04	1.02E-04
3099	438140.3	3762489	1.38E-03	2.25E-04	1.04E-04
3100	438143.8	3762497	1.41E-03	2.30E-04	1.07E-04
3101	438147.4	3762506	1.44E-03	2.35E-04	1.09E-04
3102	438150.9	3762514	1.47E-03	2.40E-04	1.11E-04
3103	438154.5	3762523	1.50E-03	2.46E-04	1.14E-04
3104	438158	3762532	1.54E-03	2.51E-04	1.17E-04
3105	438161.6	3762540	1.57E-03	2.57E-04	1.19E-04
3106	438165.1	3762549	1.61E-03	2.63E-04	1.22E-04
3107	438168.7	3762557	1.65E-03	2.69E-04	1.25E-04
3108	438172.2	3762566	1.68E-03	2.75E-04	1.28E-04
3109	438175.8	3762575	1.72E-03	2.81E-04	1.30E-04
3110	438179.3	3762583	1.76E-03	2.87E-04	1.33E-04
3111	438193.5	3762618	1.91E-03	3.12E-04	1.45E-04
3112	438197.1	3762626	1.95E-03	3.18E-04	1.47E-04
3113	438200.6	3762635	1.98E-03	3.24E-04	1.50E-04
3114	438204.2	3762643	2.02E-03	3.30E-04	1.53E-04

3115	438207.7	3762652	2.06E-03	3.36E-04	1.56E-04
3116	438211.3	3762661	2.09E-03	3.42E-04	1.59E-04
3117	438214.8	3762669	2.13E-03	3.48E-04	1.61E-04
3118	438218.4	3762678	2.16E-03	3.53E-04	1.64E-04
3119	438221.9	3762686	2.20E-03	3.59E-04	1.66E-04
3120	438225.5	3762695	2.23E-03	3.64E-04	1.69E-04
3121	438229	3762704	2.26E-03	3.69E-04	1.71E-04
3122	438232.6	3762712	2.28E-03	3.73E-04	1.73E-04
3123	437987.9	3762179	6.86E-04	1.12E-04	5.20E-05
3124	437996.5	3762182	6.88E-04	1.12E-04	5.21E-05
3125	438005.2	3762186	6.90E-04	1.13E-04	5.23E-05
3126	438013.8	3762189	6.92E-04	1.13E-04	5.24E-05
3127	438022.4	3762193	6.94E-04	1.13E-04	5.26E-05
3128	438031.1	3762197	6.95E-04	1.14E-04	5.27E-05
3129	438039.7	3762200	6.97E-04	1.14E-04	5.28E-05
3130	438048.3	3762204	6.98E-04	1.14E-04	5.29E-05
3131	438057	3762207	6.99E-04	1.14E-04	5.30E-05
3132	438069.2	3762220	7.13E-04	1.16E-04	5.40E-05
3133	438072.7	3762228	7.26E-04	1.19E-04	5.50E-05
3134	438076.3	3762237	7.39E-04	1.21E-04	5.60E-05
3135	438079.9	3762246	7.52E-04	1.23E-04	5.70E-05
3136	438083.5	3762254	7.65E-04	1.25E-04	5.80E-05
3137	438087	3762263	7.79E-04	1.27E-04	5.90E-05
3138	438090.6	3762271	7.93E-04	1.30E-04	6.01E-05
3139	438094.2	3762280	8.07E-04	1.32E-04	6.11E-05
3140	438097.7	3762289	8.21E-04	1.34E-04	6.22E-05
3141	438101.3	3762297	8.36E-04	1.37E-04	6.33E-05
3142	438104.9	3762306	8.51E-04	1.39E-04	6.45E-05
3143	438108.4	3762315	8.66E-04	1.41E-04	6.56E-05
3144	438112	3762323	8.81E-04	1.44E-04	6.68E-05
3145	438115.6	3762332	8.97E-04	1.47E-04	6.80E-05
3146	438119.1	3762341	9.14E-04	1.49E-04	6.92E-05
3147	438122.7	3762349	9.30E-04	1.52E-04	7.05E-05
3148	438126.3	3762358	9.48E-04	1.55E-04	7.18E-05
3149	438129.8	3762366	9.66E-04	1.58E-04	7.32E-05
3150	438133.4	3762375	9.84E-04	1.61E-04	7.46E-05
3151	438137	3762384	1.00E-03	1.64E-04	7.60E-05
3152	438140.5	3762392	1.02E-03	1.67E-04	7.75E-05
3153	438144.1	3762401	1.04E-03	1.70E-04	7.90E-05
3154	438147.7	3762410	1.06E-03	1.74E-04	8.05E-05
3155	438151.3	3762418	1.08E-03	1.77E-04	8.22E-05
3156	438154.8	3762427	1.11E-03	1.81E-04	8.38E-05
3157	438158.4	3762436	1.13E-03	1.84E-04	8.56E-05
3158	438162	3762444	1.15E-03	1.88E-04	8.74E-05
3159	438165.5	3762453	1.18E-03	1.92E-04	8.92E-05
3160	438169.1	3762462	1.20E-03	1.96E-04	9.11E-05
3161	438172.7	3762470	1.23E-03	2.01E-04	9.31E-05
3162	438176.2	3762479	1.25E-03	2.05E-04	9.51E-05
3163	438179.8	3762487	1.28E-03	2.09E-04	9.71E-05
3164	438183.4	3762496	1.31E-03	2.14E-04	9.92E-05
3165	438197.6	3762531	1.43E-03	2.33E-04	1.08E-04
3166	438201.2	3762539	1.46E-03	2.38E-04	1.11E-04

3167	438204.8	3762548	1.49E-03	2.43E-04	1.13E-04
3168	438208.3	3762557	1.52E-03	2.49E-04	1.15E-04
3169	438211.9	3762565	1.55E-03	2.54E-04	1.18E-04
3170	438215.5	3762574	1.59E-03	2.59E-04	1.20E-04
3171	438219.1	3762583	1.62E-03	2.64E-04	1.23E-04
3172	438233.3	3762617	1.75E-03	2.86E-04	1.32E-04
3173	438236.9	3762626	1.78E-03	2.91E-04	1.35E-04
3174	438240.5	3762634	1.81E-03	2.96E-04	1.37E-04
3175	438244	3762643	1.84E-03	3.01E-04	1.40E-04
3176	438247.6	3762652	1.87E-03	3.06E-04	1.42E-04
3177	438251.2	3762660	1.91E-03	3.11E-04	1.44E-04
3178	438254.7	3762669	1.94E-03	3.16E-04	1.47E-04
3179	438258.3	3762678	1.96E-03	3.21E-04	1.49E-04
3180	438261.9	3762686	1.99E-03	3.26E-04	1.51E-04
3181	438265.4	3762695	2.02E-03	3.30E-04	1.53E-04
3182	438269	3762703	2.05E-03	3.35E-04	1.55E-04
3183	438272.6	3762712	2.08E-03	3.39E-04	1.57E-04
3184	437599.5	3761978	3.87E-04	6.32E-05	2.93E-05
3185	437608.1	3761981	3.93E-04	6.42E-05	2.98E-05
3186	437616.8	3761985	3.99E-04	6.52E-05	3.03E-05
3187	437625.5	3761988	4.06E-04	6.63E-05	3.08E-05
3188	437634.2	3761992	4.12E-04	6.74E-05	3.13E-05
3189	437642.8	3761996	4.19E-04	6.85E-05	3.18E-05
3190	437651.5	3761999	4.26E-04	6.95E-05	3.23E-05
3191	437989.8	3762140	6.21E-04	1.01E-04	4.71E-05
3192	437998.5	3762143	6.23E-04	1.02E-04	4.72E-05
3193	438007.2	3762147	6.25E-04	1.02E-04	4.74E-05
3194	438015.8	3762150	6.28E-04	1.03E-04	4.75E-05
3195	438024.5	3762154	6.29E-04	1.03E-04	4.77E-05
3196	438033.2	3762158	6.31E-04	1.03E-04	4.78E-05
3197	438041.9	3762161	6.33E-04	1.03E-04	4.80E-05
3198	438050.5	3762165	6.34E-04	1.04E-04	4.81E-05
3199	438059.2	3762168	6.36E-04	1.04E-04	4.82E-05
3200	438067.9	3762172	6.37E-04	1.04E-04	4.83E-05
3201	438076.6	3762175	6.38E-04	1.04E-04	4.84E-05
3202	438085.2	3762179	6.39E-04	1.04E-04	4.84E-05
3203	438097.5	3762191	6.51E-04	1.06E-04	4.93E-05
3204	438101.1	3762200	6.62E-04	1.08E-04	5.02E-05
3205	438104.7	3762209	6.73E-04	1.10E-04	5.10E-05
3206	438108.3	3762217	6.85E-04	1.12E-04	5.19E-05
3207	438111.8	3762226	6.96E-04	1.14E-04	5.28E-05
3208	438115.4	3762235	7.08E-04	1.16E-04	5.36E-05
3209	438119	3762243	7.20E-04	1.18E-04	5.45E-05
3210	438122.6	3762252	7.32E-04	1.20E-04	5.54E-05
3211	438126.2	3762261	7.44E-04	1.21E-04	5.64E-05
3212	438129.8	3762269	7.56E-04	1.24E-04	5.73E-05
3213	438133.3	3762278	7.69E-04	1.26E-04	5.82E-05
3214	438136.9	3762287	7.81E-04	1.28E-04	5.92E-05
3215	438140.5	3762296	7.95E-04	1.30E-04	6.02E-05
3216	438144.1	3762304	8.08E-04	1.32E-04	6.12E-05
3217	438147.7	3762313	8.22E-04	1.34E-04	6.23E-05
3218	438151.3	3762322	8.36E-04	1.37E-04	6.33E-05

3219	438154.8	3762330	8.50E-04	1.39E-04	6.44E-05
3220	438158.4	3762339	8.65E-04	1.41E-04	6.55E-05
3221	438162	3762348	8.80E-04	1.44E-04	6.67E-05
3222	438165.6	3762356	8.96E-04	1.46E-04	6.79E-05
3223	438169.2	3762365	9.12E-04	1.49E-04	6.91E-05
3224	438172.8	3762374	9.29E-04	1.52E-04	7.04E-05
3225	438176.4	3762382	9.46E-04	1.55E-04	7.17E-05
3226	438179.9	3762391	9.64E-04	1.57E-04	7.30E-05
3227	438183.5	3762400	9.82E-04	1.60E-04	7.44E-05
3228	438187.1	3762408	1.00E-03	1.63E-04	7.58E-05
3229	438190.7	3762417	1.02E-03	1.67E-04	7.73E-05
3230	438194.3	3762426	1.04E-03	1.70E-04	7.88E-05
3231	438197.9	3762434	1.06E-03	1.73E-04	8.04E-05
3232	438201.4	3762443	1.08E-03	1.77E-04	8.20E-05
3233	438205	3762452	1.10E-03	1.80E-04	8.37E-05
3234	438208.6	3762460	1.13E-03	1.84E-04	8.54E-05
3235	438212.2	3762469	1.15E-03	1.88E-04	8.71E-05
3236	438215.8	3762478	1.17E-03	1.92E-04	8.89E-05
3237	438219.4	3762486	1.20E-03	1.96E-04	9.08E-05
3238	438223	3762495	1.22E-03	2.00E-04	9.27E-05
3239	438237.3	3762530	1.33E-03	2.17E-04	1.01E-04
3240	438240.9	3762539	1.35E-03	2.21E-04	1.03E-04
3241	438244.5	3762547	1.38E-03	2.26E-04	1.05E-04
3242	438248	3762556	1.41E-03	2.30E-04	1.07E-04
3243	438251.6	3762565	1.44E-03	2.35E-04	1.09E-04
3244	438255.2	3762573	1.47E-03	2.39E-04	1.11E-04
3245	438258.8	3762582	1.49E-03	2.44E-04	1.13E-04
3246	438294.6	3762669	1.77E-03	2.89E-04	1.34E-04
3247	438298.2	3762677	1.79E-03	2.93E-04	1.36E-04
3248	438301.8	3762686	1.82E-03	2.97E-04	1.38E-04
3249	438305.4	3762695	1.84E-03	3.01E-04	1.40E-04
3250	438309	3762703	1.87E-03	3.05E-04	1.41E-04
3251	438312.6	3762712	1.89E-03	3.09E-04	1.43E-04
3252	437599	3761938	3.52E-04	5.76E-05	2.67E-05
3253	437607.5	3761941	3.58E-04	5.84E-05	2.71E-05
3254	437616.1	3761945	3.63E-04	5.93E-05	2.75E-05
3255	437624.7	3761948	3.69E-04	6.02E-05	2.79E-05
3256	437633.3	3761952	3.74E-04	6.11E-05	2.83E-05
3257	437641.9	3761955	3.80E-04	6.20E-05	2.88E-05
3258	437650.4	3761959	3.85E-04	6.30E-05	2.92E-05
3259	437659	3761962	3.91E-04	6.39E-05	2.96E-05
3260	437667.6	3761966	3.97E-04	6.49E-05	3.01E-05
3261	437676.2	3761970	4.03E-04	6.58E-05	3.05E-05
3262	437684.7	3761973	4.09E-04	6.68E-05	3.10E-05
3263	437693.3	3761977	4.15E-04	6.77E-05	3.14E-05
3264	437701.9	3761980	4.20E-04	6.87E-05	3.19E-05
3265	437710.5	3761984	4.26E-04	6.96E-05	3.23E-05
3266	437719.1	3761987	4.32E-04	7.05E-05	3.27E-05
3267	437727.6	3761991	4.37E-04	7.14E-05	3.31E-05
3268	437736.2	3761994	4.43E-04	7.23E-05	3.35E-05
3269	437744.8	3761998	4.48E-04	7.32E-05	3.40E-05
3270	437993.5	3762101	5.66E-04	9.24E-05	4.29E-05

3271	438002.1	3762105	5.68E-04	9.28E-05	4.30E-05
3272	438010.7	3762108	5.70E-04	9.32E-05	4.32E-05
3273	438019.3	3762112	5.72E-04	9.35E-05	4.34E-05
3274	438027.9	3762115	5.74E-04	9.38E-05	4.35E-05
3275	438036.4	3762119	5.76E-04	9.41E-05	4.37E-05
3276	438045	3762122	5.78E-04	9.44E-05	4.38E-05
3277	438053.6	3762126	5.79E-04	9.46E-05	4.39E-05
3278	438062.2	3762130	5.81E-04	9.49E-05	4.40E-05
3279	438070.7	3762133	5.82E-04	9.51E-05	4.41E-05
3280	438079.3	3762137	5.83E-04	9.53E-05	4.42E-05
3281	438087.9	3762140	5.85E-04	9.55E-05	4.43E-05
3282	438096.5	3762144	5.86E-04	9.57E-05	4.44E-05
3283	438105.1	3762147	5.87E-04	9.59E-05	4.45E-05
3284	438113.6	3762151	5.88E-04	9.60E-05	4.45E-05
3285	438125.8	3762163	5.98E-04	9.76E-05	4.53E-05
3286	438129.3	3762172	6.07E-04	9.92E-05	4.60E-05
3287	438132.9	3762180	6.16E-04	1.01E-04	4.67E-05
3288	438136.4	3762189	6.26E-04	1.02E-04	4.75E-05
3289	438139.9	3762197	6.36E-04	1.04E-04	4.82E-05
3290	438143.5	3762206	6.46E-04	1.06E-04	4.90E-05
3291	438147	3762215	6.56E-04	1.07E-04	4.97E-05
3292	438150.6	3762223	6.66E-04	1.09E-04	5.05E-05
3293	438154.1	3762232	6.76E-04	1.11E-04	5.13E-05
3294	438157.7	3762240	6.87E-04	1.12E-04	5.21E-05
3295	438161.2	3762249	6.97E-04	1.14E-04	5.28E-05
3296	438164.7	3762257	7.08E-04	1.16E-04	5.37E-05
3297	438168.3	3762266	7.19E-04	1.17E-04	5.45E-05
3298	438171.8	3762275	7.30E-04	1.19E-04	5.53E-05
3299	438175.4	3762283	7.42E-04	1.21E-04	5.62E-05
3300	438178.9	3762292	7.53E-04	1.23E-04	5.71E-05
3301	438182.5	3762300	7.65E-04	1.25E-04	5.80E-05
3302	438186	3762309	7.77E-04	1.27E-04	5.89E-05
3303	438189.6	3762317	7.90E-04	1.29E-04	5.98E-05
3304	438193.1	3762326	8.03E-04	1.31E-04	6.08E-05
3305	438196.6	3762335	8.16E-04	1.33E-04	6.18E-05
3306	438200.2	3762343	8.29E-04	1.35E-04	6.28E-05
3307	438203.7	3762352	8.43E-04	1.38E-04	6.39E-05
3308	438207.3	3762360	8.58E-04	1.40E-04	6.50E-05
3309	438210.8	3762369	8.72E-04	1.43E-04	6.61E-05
3310	438214.4	3762378	8.88E-04	1.45E-04	6.73E-05
3311	438217.9	3762386	9.03E-04	1.48E-04	6.85E-05
3312	438221.5	3762395	9.20E-04	1.50E-04	6.97E-05
3313	438225	3762403	9.36E-04	1.53E-04	7.10E-05
3314	438228.5	3762412	9.54E-04	1.56E-04	7.23E-05
3315	438232.1	3762420	9.71E-04	1.59E-04	7.36E-05
3316	438235.6	3762429	9.90E-04	1.62E-04	7.50E-05
3317	438239.2	3762438	1.01E-03	1.65E-04	7.64E-05
3318	438242.7	3762446	1.03E-03	1.68E-04	7.79E-05
3319	438246.3	3762455	1.05E-03	1.71E-04	7.94E-05
3320	438249.8	3762463	1.07E-03	1.74E-04	8.09E-05
3321	438253.4	3762472	1.09E-03	1.78E-04	8.25E-05
3322	438256.9	3762481	1.11E-03	1.81E-04	8.41E-05

3323	438260.4	3762489	1.13E-03	1.85E-04	8.57E-05
3324	438264	3762498	1.15E-03	1.88E-04	8.74E-05
3325	438299.4	3762584	1.39E-03	2.27E-04	1.05E-04
3326	438313.6	3762618	1.49E-03	2.43E-04	1.13E-04
3327	438317.2	3762626	1.51E-03	2.47E-04	1.14E-04
3328	438320.7	3762635	1.53E-03	2.51E-04	1.16E-04
3329	438324.2	3762644	1.56E-03	2.54E-04	1.18E-04
3330	438327.8	3762652	1.58E-03	2.58E-04	1.20E-04
3331	438331.3	3762661	1.60E-03	2.62E-04	1.21E-04
3332	438334.9	3762669	1.62E-03	2.65E-04	1.23E-04
3333	438338.4	3762678	1.65E-03	2.69E-04	1.25E-04
3334	438342	3762687	1.67E-03	2.72E-04	1.26E-04
3335	438345.5	3762695	1.69E-03	2.76E-04	1.28E-04
3336	438349.1	3762704	1.71E-03	2.79E-04	1.29E-04
3337	437616.4	3761905	3.33E-04	5.45E-05	2.53E-05
3338	437625	3761908	3.38E-04	5.53E-05	2.56E-05
3339	437633.6	3761912	3.43E-04	5.60E-05	2.60E-05
3340	437642.2	3761915	3.48E-04	5.69E-05	2.64E-05
3341	437650.8	3761919	3.53E-04	5.77E-05	2.67E-05
3342	437659.5	3761923	3.58E-04	5.85E-05	2.71E-05
3343	437668.1	3761926	3.63E-04	5.93E-05	2.75E-05
3344	437676.7	3761930	3.68E-04	6.01E-05	2.79E-05
3345	437685.3	3761933	3.73E-04	6.09E-05	2.83E-05
3346	437693.9	3761937	3.78E-04	6.18E-05	2.86E-05
3347	437702.5	3761940	3.83E-04	6.26E-05	2.90E-05
3348	437711.1	3761944	3.88E-04	6.34E-05	2.94E-05
3349	437719.8	3761948	3.93E-04	6.42E-05	2.98E-05
3350	437728.4	3761951	3.98E-04	6.50E-05	3.02E-05
3351	437737	3761955	4.03E-04	6.58E-05	3.05E-05
3352	437745.6	3761958	4.08E-04	6.67E-05	3.09E-05
3353	437754.2	3761962	4.13E-04	6.75E-05	3.13E-05
3354	437762.8	3761965	4.18E-04	6.83E-05	3.17E-05
3355	437771.5	3761969	4.23E-04	6.91E-05	3.21E-05
3356	437780.1	3761973	4.28E-04	6.99E-05	3.24E-05
3357	437788.7	3761976	4.33E-04	7.07E-05	3.28E-05
3358	437797.3	3761980	4.37E-04	7.14E-05	3.31E-05
3359	437805.9	3761983	4.42E-04	7.22E-05	3.35E-05
3360	437814.5	3761987	4.46E-04	7.29E-05	3.38E-05
3361	437823.1	3761990	4.51E-04	7.36E-05	3.41E-05
3362	437831.8	3761994	4.54E-04	7.42E-05	3.44E-05
3363	437840.4	3761998	4.58E-04	7.49E-05	3.47E-05
3364	438090.2	3762101	5.37E-04	8.77E-05	4.07E-05
3365	438098.8	3762105	5.38E-04	8.79E-05	4.08E-05
3366	438107.4	3762108	5.39E-04	8.81E-05	4.09E-05
3367	438116.1	3762112	5.40E-04	8.83E-05	4.09E-05
3368	438124.7	3762115	5.41E-04	8.84E-05	4.10E-05
3369	438133.3	3762119	5.42E-04	8.86E-05	4.11E-05
3370	438141.9	3762123	5.43E-04	8.87E-05	4.12E-05
3371	438154.1	3762135	5.52E-04	9.02E-05	4.18E-05
3372	438157.6	3762143	5.60E-04	9.15E-05	4.24E-05
3373	438161.2	3762152	5.68E-04	9.28E-05	4.31E-05
3374	438164.8	3762161	5.77E-04	9.42E-05	4.37E-05

3375	438168.3	3762169	5.85E-04	9.56E-05	4.43E-05
3376	438171.9	3762178	5.93E-04	9.70E-05	4.50E-05
3377	438175.4	3762187	6.02E-04	9.84E-05	4.56E-05
3378	438179	3762195	6.11E-04	9.98E-05	4.63E-05
3379	438182.6	3762204	6.20E-04	1.01E-04	4.70E-05
3380	438186.1	3762212	6.29E-04	1.03E-04	4.77E-05
3381	438189.7	3762221	6.38E-04	1.04E-04	4.84E-05
3382	438193.2	3762230	6.47E-04	1.06E-04	4.91E-05
3383	438196.8	3762238	6.57E-04	1.07E-04	4.98E-05
3384	438200.4	3762247	6.67E-04	1.09E-04	5.05E-05
3385	438203.9	3762255	6.76E-04	1.10E-04	5.12E-05
3386	438207.5	3762264	6.86E-04	1.12E-04	5.20E-05
3387	438211	3762273	6.96E-04	1.14E-04	5.28E-05
3388	438214.6	3762281	7.07E-04	1.15E-04	5.36E-05
3389	438218.2	3762290	7.17E-04	1.17E-04	5.44E-05
3390	438221.7	3762299	7.28E-04	1.19E-04	5.52E-05
3391	438225.3	3762307	7.39E-04	1.21E-04	5.60E-05
3392	438228.8	3762316	7.51E-04	1.23E-04	5.69E-05
3393	438232.4	3762324	7.63E-04	1.25E-04	5.78E-05
3394	438236	3762333	7.75E-04	1.27E-04	5.87E-05
3395	438239.5	3762342	7.87E-04	1.29E-04	5.96E-05
3396	438243.1	3762350	8.00E-04	1.31E-04	6.06E-05
3397	438246.6	3762359	8.13E-04	1.33E-04	6.16E-05
3398	438250.2	3762368	8.26E-04	1.35E-04	6.26E-05
3399	438253.8	3762376	8.40E-04	1.37E-04	6.37E-05
3400	438257.3	3762385	8.55E-04	1.40E-04	6.48E-05
3401	438260.9	3762393	8.70E-04	1.42E-04	6.59E-05
3402	438264.4	3762402	8.85E-04	1.45E-04	6.71E-05
3403	438268	3762411	9.01E-04	1.47E-04	6.83E-05
3404	438271.6	3762419	9.17E-04	1.50E-04	6.95E-05
3405	438275.1	3762428	9.34E-04	1.53E-04	7.08E-05
3406	438278.7	3762436	9.51E-04	1.55E-04	7.21E-05
3407	438282.2	3762445	9.68E-04	1.58E-04	7.34E-05
3408	438285.8	3762454	9.86E-04	1.61E-04	7.47E-05
3409	438289.4	3762462	1.00E-03	1.64E-04	7.61E-05
3410	438292.9	3762471	1.02E-03	1.67E-04	7.75E-05
3411	438296.5	3762480	1.04E-03	1.70E-04	7.90E-05
3412	438300	3762488	1.06E-03	1.73E-04	8.04E-05
3413	438303.6	3762497	1.08E-03	1.77E-04	8.19E-05
3414	438317.8	3762531	1.16E-03	1.90E-04	8.81E-05
3415	438321.4	3762540	1.18E-03	1.93E-04	8.97E-05
3416	438324.9	3762549	1.21E-03	1.97E-04	9.13E-05
3417	438328.5	3762557	1.23E-03	2.00E-04	9.29E-05
3418	438332.1	3762566	1.25E-03	2.04E-04	9.45E-05
3419	438335.6	3762574	1.27E-03	2.07E-04	9.61E-05
3420	438339.2	3762583	1.29E-03	2.11E-04	9.78E-05
3421	438342.7	3762592	1.31E-03	2.14E-04	9.94E-05
3422	438389	3762704	1.57E-03	2.56E-04	1.19E-04
3423	438392.6	3762712	1.59E-03	2.59E-04	1.20E-04
3424	437668.5	3761886	3.34E-04	5.45E-05	2.53E-05
3425	437677.2	3761890	3.38E-04	5.52E-05	2.56E-05
3426	437685.8	3761894	3.42E-04	5.59E-05	2.59E-05

3427	437694.5	3761897	3.47E-04	5.66E-05	2.63E-05
3428	437703.1	3761901	3.51E-04	5.73E-05	2.66E-05
3429	437711.8	3761904	3.55E-04	5.80E-05	2.69E-05
3430	437720.4	3761908	3.59E-04	5.87E-05	2.72E-05
3431	437729.1	3761911	3.64E-04	5.94E-05	2.75E-05
3432	437737.7	3761915	3.68E-04	6.01E-05	2.79E-05
3433	437746.4	3761919	3.73E-04	6.09E-05	2.82E-05
3434	437755	3761922	3.77E-04	6.16E-05	2.86E-05
3435	437763.7	3761926	3.82E-04	6.24E-05	2.89E-05
3436	437772.3	3761929	3.87E-04	6.32E-05	2.93E-05
3437	437781	3761933	3.91E-04	6.39E-05	2.97E-05
3438	437789.6	3761937	3.96E-04	6.47E-05	3.00E-05
3439	437798.3	3761940	4.01E-04	6.54E-05	3.03E-05
3440	437806.9	3761944	4.05E-04	6.61E-05	3.07E-05
3441	437815.5	3761947	4.09E-04	6.68E-05	3.10E-05
3442	437824.2	3761951	4.13E-04	6.75E-05	3.13E-05
3443	437832.8	3761954	4.17E-04	6.81E-05	3.16E-05
3444	437841.5	3761958	4.21E-04	6.87E-05	3.19E-05
3445	437850.1	3761962	4.24E-04	6.93E-05	3.21E-05
3446	437858.8	3761965	4.28E-04	6.99E-05	3.24E-05
3447	437867.4	3761969	4.31E-04	7.04E-05	3.27E-05
3448	437876.1	3761972	4.34E-04	7.09E-05	3.29E-05
3449	437884.7	3761976	4.38E-04	7.15E-05	3.32E-05
3450	437893.4	3761980	4.41E-04	7.20E-05	3.34E-05
3451	437902	3761983	4.44E-04	7.25E-05	3.36E-05
3452	437910.7	3761987	4.47E-04	7.30E-05	3.39E-05
3453	437919.3	3761990	4.50E-04	7.35E-05	3.41E-05
3454	437928	3761994	4.53E-04	7.40E-05	3.43E-05
3455	437936.6	3761997	4.56E-04	7.45E-05	3.46E-05
3456	438182.4	3762107	5.12E-04	8.37E-05	3.88E-05
3457	438186	3762115	5.19E-04	8.48E-05	3.94E-05
3458	438189.5	3762124	5.27E-04	8.60E-05	3.99E-05
3459	438193.1	3762133	5.34E-04	8.72E-05	4.05E-05
3460	438196.7	3762141	5.41E-04	8.84E-05	4.10E-05
3461	438200.3	3762150	5.49E-04	8.96E-05	4.16E-05
3462	438203.8	3762158	5.56E-04	9.09E-05	4.21E-05
3463	438207.4	3762167	5.64E-04	9.21E-05	4.27E-05
3464	438211	3762176	5.71E-04	9.33E-05	4.33E-05
3465	438214.6	3762184	5.79E-04	9.46E-05	4.39E-05
3466	438218.1	3762193	5.87E-04	9.59E-05	4.45E-05
3467	438221.7	3762202	5.95E-04	9.72E-05	4.51E-05
3468	438225.3	3762210	6.03E-04	9.86E-05	4.57E-05
3469	438228.9	3762219	6.12E-04	9.99E-05	4.63E-05
3470	438232.4	3762228	6.20E-04	1.01E-04	4.70E-05
3471	438236	3762236	6.29E-04	1.03E-04	4.76E-05
3472	438239.6	3762245	6.37E-04	1.04E-04	4.83E-05
3473	438243.2	3762254	6.46E-04	1.06E-04	4.90E-05
3474	438246.7	3762262	6.55E-04	1.07E-04	4.97E-05
3475	438250.3	3762271	6.65E-04	1.09E-04	5.04E-05
3476	438253.9	3762280	6.74E-04	1.10E-04	5.11E-05
3477	438257.4	3762288	6.84E-04	1.12E-04	5.18E-05
3478	438261	3762297	6.94E-04	1.13E-04	5.26E-05

3479	438264.6	3762306	7.04E-04	1.15E-04	5.33E-05
3480	438268.2	3762314	7.14E-04	1.17E-04	5.41E-05
3481	438271.7	3762323	7.25E-04	1.18E-04	5.50E-05
3482	438275.3	3762332	7.36E-04	1.20E-04	5.58E-05
3483	438278.9	3762340	7.48E-04	1.22E-04	5.67E-05
3484	438282.5	3762349	7.60E-04	1.24E-04	5.76E-05
3485	438286	3762358	7.72E-04	1.26E-04	5.85E-05
3486	438300.3	3762392	8.24E-04	1.35E-04	6.25E-05
3487	438303.9	3762401	8.39E-04	1.37E-04	6.35E-05
3488	438307.5	3762409	8.53E-04	1.39E-04	6.46E-05
3489	438311.1	3762418	8.68E-04	1.42E-04	6.58E-05
3490	438314.6	3762427	8.83E-04	1.44E-04	6.69E-05
3491	438325.4	3762453	9.31E-04	1.52E-04	7.05E-05
3492	438328.9	3762461	9.47E-04	1.55E-04	7.18E-05
3493	438332.5	3762470	9.64E-04	1.58E-04	7.31E-05
3494	438336.1	3762479	9.81E-04	1.60E-04	7.44E-05
3495	438339.6	3762487	9.99E-04	1.63E-04	7.57E-05
3496	438343.2	3762496	1.02E-03	1.66E-04	7.70E-05
3497	438346.8	3762505	1.03E-03	1.69E-04	7.84E-05
3498	438389.7	3762609	1.26E-03	2.06E-04	9.53E-05
3499	438393.3	3762617	1.28E-03	2.09E-04	9.67E-05
3500	438396.8	3762626	1.30E-03	2.12E-04	9.81E-05
3501	438400.4	3762634	1.31E-03	2.15E-04	9.95E-05
3502	438404	3762643	1.33E-03	2.17E-04	1.01E-04
3503	438407.6	3762652	1.35E-03	2.20E-04	1.02E-04
3504	438411.1	3762660	1.37E-03	2.23E-04	1.04E-04
3505	438414.7	3762669	1.38E-03	2.26E-04	1.05E-04
3506	438418.3	3762678	1.40E-03	2.29E-04	1.06E-04
3507	438421.8	3762686	1.42E-03	2.31E-04	1.07E-04
3508	438425.4	3762695	1.43E-03	2.34E-04	1.08E-04
3509	438429	3762704	1.45E-03	2.36E-04	1.10E-04
3510	438432.6	3762712	1.46E-03	2.39E-04	1.11E-04
3511	437693.1	3761857	3.19E-04	5.21E-05	2.41E-05
3512	437701.7	3761860	3.23E-04	5.27E-05	2.44E-05
3513	437710.3	3761864	3.26E-04	5.33E-05	2.47E-05
3514	437718.8	3761867	3.30E-04	5.40E-05	2.50E-05
3515	437727.4	3761871	3.34E-04	5.46E-05	2.53E-05
3516	437736	3761874	3.38E-04	5.53E-05	2.56E-05
3517	437744.5	3761878	3.42E-04	5.59E-05	2.59E-05
3518	437753.1	3761881	3.46E-04	5.66E-05	2.62E-05
3519	437761.7	3761885	3.50E-04	5.72E-05	2.65E-05
3520	437770.2	3761889	3.55E-04	5.79E-05	2.69E-05
3521	437778.8	3761892	3.59E-04	5.86E-05	2.72E-05
3522	437787.4	3761896	3.63E-04	5.93E-05	2.75E-05
3523	437795.9	3761899	3.67E-04	6.00E-05	2.78E-05
3524	437804.5	3761903	3.71E-04	6.06E-05	2.81E-05
3525	437813.1	3761906	3.75E-04	6.13E-05	2.84E-05
3526	437821.6	3761910	3.79E-04	6.19E-05	2.87E-05
3527	437830.2	3761913	3.82E-04	6.25E-05	2.90E-05
3528	437838.8	3761917	3.86E-04	6.30E-05	2.92E-05
3529	437847.3	3761920	3.89E-04	6.36E-05	2.95E-05
3530	437855.9	3761924	3.92E-04	6.41E-05	2.97E-05

3531	437864.5	3761928	3.96E-04	6.46E-05	3.00E-05
3532	437873	3761931	3.99E-04	6.51E-05	3.02E-05
3533	437881.6	3761935	4.02E-04	6.56E-05	3.04E-05
3534	437890.2	3761938	4.05E-04	6.61E-05	3.07E-05
3535	437898.7	3761942	4.08E-04	6.66E-05	3.09E-05
3536	437907.3	3761945	4.11E-04	6.71E-05	3.11E-05
3537	437915.9	3761949	4.13E-04	6.75E-05	3.13E-05
3538	437924.4	3761952	4.16E-04	6.80E-05	3.15E-05
3539	437933	3761956	4.19E-04	6.84E-05	3.17E-05
3540	437941.6	3761960	4.21E-04	6.88E-05	3.19E-05
3541	437950.1	3761963	4.24E-04	6.92E-05	3.21E-05
3542	437958.7	3761967	4.26E-04	6.96E-05	3.23E-05
3543	437967.3	3761970	4.29E-04	7.00E-05	3.25E-05
3544	437975.8	3761974	4.31E-04	7.04E-05	3.27E-05
3545	438070.1	3762013	4.54E-04	7.42E-05	3.44E-05
3546	438078.6	3762016	4.56E-04	7.44E-05	3.45E-05
3547	438087.2	3762020	4.57E-04	7.47E-05	3.46E-05
3548	438095.8	3762023	4.58E-04	7.49E-05	3.47E-05
3549	438104.3	3762027	4.60E-04	7.51E-05	3.48E-05
3550	438112.9	3762031	4.61E-04	7.54E-05	3.50E-05
3551	438121.5	3762034	4.63E-04	7.56E-05	3.50E-05
3552	438130	3762038	4.64E-04	7.58E-05	3.51E-05
3553	438138.6	3762041	4.65E-04	7.59E-05	3.52E-05
3554	438147.2	3762045	4.66E-04	7.61E-05	3.53E-05
3555	438221.3	3762104	4.96E-04	8.10E-05	3.76E-05
3556	438224.8	3762112	5.02E-04	8.20E-05	3.81E-05
3557	438228.4	3762121	5.09E-04	8.31E-05	3.85E-05
3558	438231.9	3762130	5.15E-04	8.42E-05	3.90E-05
3559	438235.4	3762138	5.22E-04	8.52E-05	3.95E-05
3560	438239	3762147	5.29E-04	8.63E-05	4.01E-05
3561	438242.5	3762155	5.35E-04	8.74E-05	4.06E-05
3562	438246.1	3762164	5.42E-04	8.86E-05	4.11E-05
3563	438249.6	3762172	5.49E-04	8.97E-05	4.16E-05
3564	438253.1	3762181	5.56E-04	9.08E-05	4.21E-05
3565	438256.7	3762190	5.63E-04	9.20E-05	4.27E-05
3566	438260.2	3762198	5.70E-04	9.32E-05	4.32E-05
3567	438263.8	3762207	5.78E-04	9.44E-05	4.38E-05
3568	438267.3	3762215	5.85E-04	9.56E-05	4.43E-05
3569	438270.8	3762224	5.93E-04	9.68E-05	4.49E-05
3570	438274.4	3762232	6.01E-04	9.81E-05	4.55E-05
3571	438277.9	3762241	6.08E-04	9.94E-05	4.61E-05
3572	438281.5	3762250	6.16E-04	1.01E-04	4.67E-05
3573	438285	3762258	6.25E-04	1.02E-04	4.73E-05
3574	438288.5	3762267	6.33E-04	1.03E-04	4.80E-05
3575	438292.1	3762275	6.41E-04	1.05E-04	4.86E-05
3576	438295.6	3762284	6.50E-04	1.06E-04	4.93E-05
3577	438299.2	3762292	6.59E-04	1.08E-04	5.00E-05
3578	438302.7	3762301	6.68E-04	1.09E-04	5.06E-05
3579	438306.2	3762310	6.78E-04	1.11E-04	5.14E-05
3580	438309.8	3762318	6.88E-04	1.12E-04	5.21E-05
3581	438313.3	3762327	6.98E-04	1.14E-04	5.29E-05
3582	438316.9	3762335	7.08E-04	1.16E-04	5.36E-05

3583	438320.4	3762344	7.19E-04	1.17E-04	5.44E-05
3584	438323.9	3762352	7.30E-04	1.19E-04	5.53E-05
3585	438327.5	3762361	7.41E-04	1.21E-04	5.61E-05
3586	438341.6	3762395	7.89E-04	1.29E-04	5.98E-05
3587	438345.2	3762404	8.02E-04	1.31E-04	6.08E-05
3588	438348.7	3762412	8.15E-04	1.33E-04	6.18E-05
3589	438391.2	3762515	9.95E-04	1.63E-04	7.54E-05
3590	438394.7	3762524	1.01E-03	1.65E-04	7.67E-05
3591	438398.3	3762532	1.03E-03	1.68E-04	7.79E-05
3592	438401.8	3762541	1.04E-03	1.71E-04	7.91E-05
3593	438405.4	3762550	1.06E-03	1.73E-04	8.04E-05
3594	438408.9	3762558	1.08E-03	1.76E-04	8.16E-05
3595	438412.4	3762567	1.09E-03	1.79E-04	8.29E-05
3596	438416	3762575	1.11E-03	1.81E-04	8.41E-05
3597	438419.5	3762584	1.13E-03	1.84E-04	8.53E-05
3598	438423	3762592	1.14E-03	1.87E-04	8.66E-05
3599	438426.6	3762601	1.16E-03	1.89E-04	8.78E-05
3600	438430.1	3762610	1.17E-03	1.92E-04	8.90E-05
3601	438433.7	3762618	1.19E-03	1.95E-04	9.02E-05
3602	438437.2	3762627	1.21E-03	1.97E-04	9.14E-05
3603	438440.7	3762635	1.22E-03	2.00E-04	9.26E-05
3604	438444.3	3762644	1.24E-03	2.02E-04	9.38E-05
3605	438447.8	3762652	1.25E-03	2.05E-04	9.50E-05
3606	438451.4	3762661	1.27E-03	2.07E-04	9.61E-05
3607	438454.9	3762670	1.28E-03	2.10E-04	9.72E-05
3608	438458.4	3762678	1.30E-03	2.12E-04	9.83E-05
3609	438462	3762687	1.31E-03	2.14E-04	9.94E-05
3610	438465.5	3762695	1.33E-03	2.17E-04	1.00E-04
3611	438469.1	3762704	1.34E-03	2.19E-04	1.01E-04
3612	438472.6	3762712	1.35E-03	2.21E-04	1.02E-04
3613	437537.3	3761800	2.56E-04	4.17E-05	1.94E-05
3614	437527.9	3761800	2.54E-04	4.15E-05	1.92E-05
3615	437518.5	3761800	2.52E-04	4.12E-05	1.91E-05
3616	437509.1	3761800	2.51E-04	4.10E-05	1.90E-05
3617	437499.7	3761800	2.49E-04	4.07E-05	1.89E-05
3618	437490.3	3761800	2.48E-04	4.04E-05	1.88E-05
3619	437480.9	3761800	2.46E-04	4.02E-05	1.86E-05
3620	437471.5	3761800	2.44E-04	3.99E-05	1.85E-05
3621	437462.2	3761800	2.43E-04	3.97E-05	1.84E-05
3622	437719.5	3761827	3.06E-04	5.00E-05	2.32E-05
3623	437728.1	3761831	3.10E-04	5.07E-05	2.35E-05
3624	437736.7	3761835	3.14E-04	5.13E-05	2.38E-05
3625	437745.3	3761838	3.18E-04	5.19E-05	2.41E-05
3626	437753.9	3761842	3.22E-04	5.25E-05	2.44E-05
3627	437762.5	3761845	3.25E-04	5.32E-05	2.47E-05
3628	437771.1	3761849	3.29E-04	5.38E-05	2.50E-05
3629	437779.7	3761852	3.33E-04	5.44E-05	2.52E-05
3630	437788.3	3761856	3.37E-04	5.50E-05	2.55E-05
3631	437796.8	3761860	3.41E-04	5.57E-05	2.58E-05
3632	437805.4	3761863	3.44E-04	5.63E-05	2.61E-05
3633	437814	3761867	3.48E-04	5.69E-05	2.64E-05
3634	437822.6	3761870	3.51E-04	5.74E-05	2.66E-05

3635	437831.2	3761874	3.55E-04	5.79E-05	2.69E-05
3636	437839.8	3761877	3.58E-04	5.84E-05	2.71E-05
3637	437848.4	3761881	3.61E-04	5.89E-05	2.73E-05
3638	437857	3761885	3.63E-04	5.94E-05	2.75E-05
3639	437865.6	3761888	3.66E-04	5.98E-05	2.78E-05
3640	437874.2	3761892	3.69E-04	6.03E-05	2.80E-05
3641	437882.8	3761895	3.72E-04	6.08E-05	2.82E-05
3642	437891.4	3761899	3.75E-04	6.12E-05	2.84E-05
3643	437900	3761902	3.77E-04	6.16E-05	2.86E-05
3644	437908.6	3761906	3.80E-04	6.21E-05	2.88E-05
3645	437917.2	3761909	3.82E-04	6.25E-05	2.90E-05
3646	437925.8	3761913	3.85E-04	6.29E-05	2.92E-05
3647	437934.4	3761917	3.87E-04	6.33E-05	2.93E-05
3648	437943	3761920	3.90E-04	6.37E-05	2.95E-05
3649	437951.6	3761924	3.92E-04	6.40E-05	2.97E-05
3650	437960.2	3761927	3.94E-04	6.44E-05	2.99E-05
3651	437968.8	3761931	3.96E-04	6.48E-05	3.00E-05
3652	437977.4	3761934	3.99E-04	6.51E-05	3.02E-05
3653	438046.2	3761963	4.15E-04	6.78E-05	3.15E-05
3654	438054.8	3761967	4.17E-04	6.82E-05	3.16E-05
3655	438063.4	3761970	4.19E-04	6.85E-05	3.18E-05
3656	438072	3761974	4.21E-04	6.87E-05	3.19E-05
3657	438080.6	3761977	4.22E-04	6.90E-05	3.20E-05
3658	438089.2	3761981	4.24E-04	6.92E-05	3.21E-05
3659	438097.8	3761984	4.25E-04	6.95E-05	3.22E-05
3660	438106.4	3761988	4.27E-04	6.97E-05	3.23E-05
3661	438115	3761991	4.28E-04	7.00E-05	3.25E-05
3662	438123.6	3761995	4.30E-04	7.02E-05	3.26E-05
3663	438132.2	3761999	4.31E-04	7.04E-05	3.27E-05
3664	438140.8	3762002	4.32E-04	7.06E-05	3.27E-05
3665	438149.4	3762006	4.33E-04	7.08E-05	3.28E-05
3666	438158	3762009	4.34E-04	7.09E-05	3.29E-05
3667	438166.6	3762013	4.35E-04	7.11E-05	3.30E-05
3668	438175.2	3762016	4.36E-04	7.12E-05	3.30E-05
3669	438183.8	3762020	4.37E-04	7.14E-05	3.31E-05
3670	438192.4	3762024	4.38E-04	7.15E-05	3.32E-05
3671	438201	3762027	4.38E-04	7.16E-05	3.32E-05
3672	438209.6	3762031	4.39E-04	7.17E-05	3.33E-05
3673	438218.2	3762034	4.39E-04	7.18E-05	3.33E-05
3674	438226.8	3762038	4.40E-04	7.19E-05	3.33E-05
3675	438260.3	3762102	4.80E-04	7.84E-05	3.64E-05
3676	438263.9	3762110	4.86E-04	7.93E-05	3.68E-05
3677	438267.4	3762119	4.92E-04	8.03E-05	3.72E-05
3678	438271	3762127	4.98E-04	8.13E-05	3.77E-05
3679	438274.5	3762136	5.04E-04	8.23E-05	3.82E-05
3680	438278.1	3762145	5.10E-04	8.33E-05	3.86E-05
3681	438281.6	3762153	5.16E-04	8.43E-05	3.91E-05
3682	438285.2	3762162	5.22E-04	8.54E-05	3.96E-05
3683	438288.7	3762170	5.29E-04	8.64E-05	4.01E-05
3684	438292.3	3762179	5.35E-04	8.74E-05	4.05E-05
3685	438295.8	3762188	5.42E-04	8.85E-05	4.10E-05
3686	438299.4	3762196	5.48E-04	8.96E-05	4.15E-05

3687	438302.9	3762205	5.55E-04	9.06E-05	4.20E-05
3688	438306.5	3762213	5.62E-04	9.17E-05	4.26E-05
3689	438310.1	3762222	5.68E-04	9.29E-05	4.31E-05
3690	438313.6	3762231	5.76E-04	9.40E-05	4.36E-05
3691	438317.2	3762239	5.83E-04	9.52E-05	4.42E-05
3692	438320.7	3762248	5.90E-04	9.64E-05	4.47E-05
3693	438324.3	3762256	5.98E-04	9.76E-05	4.53E-05
3694	438327.8	3762265	6.05E-04	9.89E-05	4.59E-05
3695	438331.4	3762274	6.13E-04	1.00E-04	4.65E-05
3696	438334.9	3762282	6.21E-04	1.02E-04	4.71E-05
3697	438338.5	3762291	6.30E-04	1.03E-04	4.77E-05
3698	438342	3762300	6.38E-04	1.04E-04	4.84E-05
3699	438345.6	3762308	6.47E-04	1.06E-04	4.90E-05
3700	438349.1	3762317	6.56E-04	1.07E-04	4.97E-05
3701	438391.8	3762420	7.87E-04	1.29E-04	5.96E-05
3702	438395.3	3762429	8.00E-04	1.31E-04	6.06E-05
3703	438398.9	3762437	8.12E-04	1.33E-04	6.16E-05
3704	438402.4	3762446	8.26E-04	1.35E-04	6.26E-05
3705	438406	3762454	8.39E-04	1.37E-04	6.36E-05
3706	438409.5	3762463	8.53E-04	1.39E-04	6.46E-05
3707	438413.1	3762472	8.66E-04	1.42E-04	6.56E-05
3708	438416.7	3762480	8.80E-04	1.44E-04	6.67E-05
3709	438420.2	3762489	8.95E-04	1.46E-04	6.78E-05
3710	438423.8	3762497	9.09E-04	1.48E-04	6.89E-05
3711	438427.3	3762506	9.23E-04	1.51E-04	7.00E-05
3712	438430.9	3762515	9.38E-04	1.53E-04	7.11E-05
3713	438434.4	3762523	9.52E-04	1.56E-04	7.22E-05
3714	438438	3762532	9.67E-04	1.58E-04	7.33E-05
3715	438441.5	3762540	9.82E-04	1.60E-04	7.44E-05
3716	438445.1	3762549	9.96E-04	1.63E-04	7.55E-05
3717	438448.6	3762558	1.01E-03	1.65E-04	7.66E-05
3718	438452.2	3762566	1.03E-03	1.67E-04	7.77E-05
3719	438455.7	3762575	1.04E-03	1.70E-04	7.88E-05
3720	438459.3	3762583	1.05E-03	1.72E-04	7.99E-05
3721	438462.8	3762592	1.07E-03	1.75E-04	8.10E-05
3722	438466.4	3762601	1.08E-03	1.77E-04	8.21E-05
3723	438470	3762609	1.10E-03	1.79E-04	8.32E-05
3724	438473.5	3762618	1.11E-03	1.82E-04	8.42E-05
3725	438477.1	3762626	1.13E-03	1.84E-04	8.53E-05
3726	438480.6	3762635	1.14E-03	1.86E-04	8.64E-05
3727	438484.2	3762644	1.15E-03	1.88E-04	8.74E-05
3728	438487.7	3762652	1.17E-03	1.91E-04	8.84E-05
3729	438491.3	3762661	1.18E-03	1.93E-04	8.94E-05
3730	438494.8	3762669	1.19E-03	1.95E-04	9.04E-05
3731	438498.4	3762678	1.21E-03	1.97E-04	9.14E-05
3732	438501.9	3762687	1.22E-03	1.99E-04	9.23E-05
3733	438505.5	3762695	1.23E-03	2.01E-04	9.33E-05
3734	438509	3762704	1.24E-03	2.03E-04	9.42E-05
3735	438512.6	3762713	1.25E-03	2.05E-04	9.50E-05
3736	437737.3	3761795	2.92E-04	4.78E-05	2.22E-05
3737	437745.9	3761798	2.96E-04	4.84E-05	2.24E-05
3738	437754.6	3761802	3.00E-04	4.90E-05	2.27E-05

3739	437763.2	3761806	3.03E-04	4.95E-05	2.30E-05
3740	437771.8	3761809	3.07E-04	5.01E-05	2.32E-05
3741	437780.4	3761813	3.10E-04	5.06E-05	2.35E-05
3742	437789.1	3761816	3.13E-04	5.12E-05	2.38E-05
3743	437797.7	3761820	3.17E-04	5.18E-05	2.40E-05
3744	437806.3	3761823	3.20E-04	5.23E-05	2.43E-05
3745	437815	3761827	3.24E-04	5.29E-05	2.45E-05
3746	437823.6	3761831	3.27E-04	5.34E-05	2.48E-05
3747	437832.2	3761834	3.30E-04	5.39E-05	2.50E-05
3748	437840.9	3761838	3.33E-04	5.44E-05	2.53E-05
3749	437849.5	3761841	3.36E-04	5.49E-05	2.55E-05
3750	437858.1	3761845	3.39E-04	5.54E-05	2.57E-05
3751	437866.7	3761849	3.42E-04	5.58E-05	2.59E-05
3752	437875.4	3761852	3.44E-04	5.62E-05	2.61E-05
3753	437884	3761856	3.46E-04	5.66E-05	2.63E-05
3754	437892.6	3761859	3.49E-04	5.70E-05	2.64E-05
3755	437901.3	3761863	3.51E-04	5.73E-05	2.66E-05
3756	437909.9	3761866	3.53E-04	5.77E-05	2.68E-05
3757	437918.5	3761870	3.56E-04	5.81E-05	2.70E-05
3758	437927.2	3761874	3.58E-04	5.85E-05	2.71E-05
3759	437935.8	3761877	3.60E-04	5.89E-05	2.73E-05
3760	437944.4	3761881	3.62E-04	5.92E-05	2.75E-05
3761	437953	3761884	3.64E-04	5.95E-05	2.76E-05
3762	437961.7	3761888	3.67E-04	5.99E-05	2.78E-05
3763	437970.3	3761891	3.69E-04	6.02E-05	2.79E-05
3764	437978.9	3761895	3.71E-04	6.05E-05	2.81E-05
3765	438048	3761924	3.86E-04	6.31E-05	2.93E-05
3766	438056.6	3761927	3.88E-04	6.34E-05	2.94E-05
3767	438065.2	3761931	3.90E-04	6.37E-05	2.95E-05
3768	438073.9	3761934	3.91E-04	6.39E-05	2.97E-05
3769	438082.5	3761938	3.93E-04	6.42E-05	2.98E-05
3770	438091.1	3761942	3.95E-04	6.45E-05	2.99E-05
3771	438099.8	3761945	3.96E-04	6.47E-05	3.00E-05
3772	438108.4	3761949	3.97E-04	6.49E-05	3.01E-05
3773	438117	3761952	3.99E-04	6.52E-05	3.02E-05
3774	438125.7	3761956	4.00E-04	6.54E-05	3.03E-05
3775	438134.3	3761959	4.01E-04	6.56E-05	3.04E-05
3776	438142.9	3761963	4.02E-04	6.57E-05	3.05E-05
3777	438151.5	3761967	4.03E-04	6.59E-05	3.06E-05
3778	438160.2	3761970	4.05E-04	6.61E-05	3.07E-05
3779	438168.8	3761974	4.06E-04	6.63E-05	3.08E-05
3780	438177.4	3761977	4.07E-04	6.65E-05	3.08E-05
3781	438186.1	3761981	4.08E-04	6.67E-05	3.09E-05
3782	438194.7	3761984	4.09E-04	6.68E-05	3.10E-05
3783	438203.3	3761988	4.10E-04	6.70E-05	3.11E-05
3784	438212	3761992	4.11E-04	6.71E-05	3.11E-05
3785	438220.6	3761995	4.11E-04	6.72E-05	3.12E-05
3786	438229.2	3761999	4.12E-04	6.73E-05	3.12E-05
3787	438237.8	3762002	4.12E-04	6.74E-05	3.13E-05
3788	438246.5	3762006	4.13E-04	6.75E-05	3.13E-05
3789	438255.1	3762010	4.13E-04	6.75E-05	3.13E-05
3790	438267.3	3762022	4.19E-04	6.84E-05	3.17E-05

3791	438270.9	3762030	4.24E-04	6.92E-05	3.21E-05
3792	438274.4	3762039	4.28E-04	7.00E-05	3.25E-05
3793	438303	3762108	4.70E-04	7.68E-05	3.56E-05
3794	438306.5	3762117	4.75E-04	7.77E-05	3.60E-05
3795	438310.1	3762125	4.81E-04	7.86E-05	3.64E-05
3796	438313.7	3762134	4.86E-04	7.95E-05	3.69E-05
3797	438317.2	3762143	4.92E-04	8.04E-05	3.73E-05
3798	438320.8	3762151	4.98E-04	8.13E-05	3.77E-05
3799	438324.4	3762160	5.03E-04	8.22E-05	3.81E-05
3800	438327.9	3762169	5.09E-04	8.32E-05	3.86E-05
3801	438331.5	3762177	5.15E-04	8.41E-05	3.90E-05
3802	438335.1	3762186	5.21E-04	8.51E-05	3.95E-05
3803	438338.6	3762194	5.27E-04	8.61E-05	3.99E-05
3804	438342.2	3762203	5.33E-04	8.71E-05	4.04E-05
3805	438345.8	3762212	5.39E-04	8.81E-05	4.09E-05
3806	438349.3	3762220	5.45E-04	8.91E-05	4.13E-05
3807	438352.9	3762229	5.52E-04	9.02E-05	4.18E-05
3808	438388.5	3762315	6.27E-04	1.02E-04	4.75E-05
3809	438392.1	3762324	6.36E-04	1.04E-04	4.82E-05
3810	438395.7	3762333	6.45E-04	1.05E-04	4.89E-05
3811	438399.2	3762341	6.54E-04	1.07E-04	4.96E-05
3812	438402.8	3762350	6.64E-04	1.08E-04	5.03E-05
3813	438406.4	3762359	6.73E-04	1.10E-04	5.10E-05
3814	438409.9	3762367	6.83E-04	1.12E-04	5.18E-05
3815	438413.5	3762376	6.93E-04	1.13E-04	5.25E-05
3816	438417.1	3762384	7.04E-04	1.15E-04	5.33E-05
3817	438420.6	3762393	7.15E-04	1.17E-04	5.41E-05
3818	438424.2	3762402	7.26E-04	1.19E-04	5.50E-05
3819	438427.8	3762410	7.37E-04	1.20E-04	5.58E-05
3820	438431.3	3762419	7.48E-04	1.22E-04	5.67E-05
3821	438434.9	3762428	7.60E-04	1.24E-04	5.76E-05
3822	438438.5	3762436	7.72E-04	1.26E-04	5.85E-05
3823	438442	3762445	7.84E-04	1.28E-04	5.94E-05
3824	438445.6	3762453	7.96E-04	1.30E-04	6.03E-05
3825	438449.2	3762462	8.08E-04	1.32E-04	6.12E-05
3826	438452.7	3762471	8.21E-04	1.34E-04	6.22E-05
3827	438456.3	3762479	8.33E-04	1.36E-04	6.31E-05
3828	438459.9	3762488	8.46E-04	1.38E-04	6.41E-05
3829	438463.4	3762497	8.59E-04	1.40E-04	6.51E-05
3830	438467	3762505	8.72E-04	1.42E-04	6.61E-05
3831	438470.6	3762514	8.85E-04	1.45E-04	6.71E-05
3832	438474.1	3762523	8.98E-04	1.47E-04	6.80E-05
3833	438477.7	3762531	9.11E-04	1.49E-04	6.90E-05
3834	438481.3	3762540	9.24E-04	1.51E-04	7.00E-05
3835	438484.8	3762548	9.37E-04	1.53E-04	7.10E-05
3836	438488.4	3762557	9.50E-04	1.55E-04	7.20E-05
3837	438492	3762566	9.63E-04	1.57E-04	7.30E-05
3838	438495.5	3762574	9.76E-04	1.59E-04	7.40E-05
3839	438499.1	3762583	9.89E-04	1.62E-04	7.50E-05
3840	438502.7	3762592	1.00E-03	1.64E-04	7.59E-05
3841	438506.2	3762600	1.01E-03	1.66E-04	7.69E-05
3842	438509.8	3762609	1.03E-03	1.68E-04	7.79E-05

3843	438513.4	3762618	1.04E-03	1.70E-04	7.88E-05
3844	438516.9	3762626	1.05E-03	1.72E-04	7.98E-05
3845	438520.5	3762635	1.07E-03	1.74E-04	8.07E-05
3846	438524.1	3762643	1.08E-03	1.76E-04	8.17E-05
3847	438527.6	3762652	1.09E-03	1.78E-04	8.26E-05
3848	438531.2	3762661	1.10E-03	1.80E-04	8.35E-05
3849	438534.7	3762669	1.11E-03	1.82E-04	8.44E-05
3850	438538.3	3762678	1.12E-03	1.84E-04	8.52E-05
3851	438541.9	3762687	1.14E-03	1.86E-04	8.61E-05
3852	438545.4	3762695	1.15E-03	1.87E-04	8.69E-05
3853	438549	3762704	1.16E-03	1.89E-04	8.77E-05
3854	438552.6	3762713	1.17E-03	1.91E-04	8.85E-05
3855	437683.5	3762711	2.32E-02	3.79E-03	1.76E-03
3856	437703.5	3762711	2.00E-02	3.27E-03	1.52E-03
3857	437723.5	3762711	1.74E-02	2.85E-03	1.32E-03
3858	437743.5	3762711	1.53E-02	2.50E-03	1.16E-03
3859	437803.5	3762711	1.08E-02	1.77E-03	8.19E-04
3860	437803.5	3762675	8.48E-03	1.39E-03	6.43E-04
3861	437863.5	3762711	8.02E-03	1.31E-03	6.08E-04
3862	437863.5	3762702	7.63E-03	1.25E-03	5.78E-04
3863	437863.5	3762693	7.25E-03	1.18E-03	5.49E-04
3864	437893.5	3762711	7.01E-03	1.15E-03	5.31E-04
3865	437893.5	3762702	6.69E-03	1.09E-03	5.07E-04
3866	437893.5	3762693	6.39E-03	1.04E-03	4.84E-04
3867	437923.5	3762711	6.17E-03	1.01E-03	4.68E-04
3868	437923.5	3762702	5.92E-03	9.67E-04	4.48E-04
3869	437923.5	3762693	5.66E-03	9.25E-04	4.29E-04
3870	438013.5	3762711	4.39E-03	7.17E-04	3.33E-04
3871	438013.5	3762702	4.24E-03	6.93E-04	3.21E-04
3872	438013.5	3762693	4.09E-03	6.69E-04	3.10E-04
3873	438043.5	3762711	3.96E-03	6.47E-04	3.00E-04
3874	438043.5	3762702	3.84E-03	6.27E-04	2.91E-04
3875	438043.5	3762693	3.71E-03	6.06E-04	2.81E-04
3876	438083.5	3762720	3.59E-03	5.87E-04	2.72E-04
3877	438083.5	3762711	3.48E-03	5.69E-04	2.64E-04
3878	438123.5	3762684	2.83E-03	4.62E-04	2.14E-04
3879	438123.5	3762675	2.74E-03	4.48E-04	2.08E-04
3880	438163.5	3762711	2.75E-03	4.48E-04	2.08E-04
3881	438163.5	3762702	2.67E-03	4.37E-04	2.03E-04
3882	438163.5	3762693	2.60E-03	4.25E-04	1.97E-04
3883	438163.5	3762684	2.53E-03	4.14E-04	1.92E-04
3884	438163.5	3762675	2.46E-03	4.02E-04	1.87E-04
3885	438203.5	3762711	2.46E-03	4.02E-04	1.87E-04
3886	438203.5	3762702	2.40E-03	3.92E-04	1.82E-04
3887	438203.5	3762693	2.34E-03	3.83E-04	1.78E-04
3888	438203.5	3762684	2.28E-03	3.73E-04	1.73E-04
3889	438203.5	3762675	2.22E-03	3.63E-04	1.69E-04
3890	438243.5	3762711	2.21E-03	3.62E-04	1.68E-04
3891	438243.5	3762702	2.17E-03	3.54E-04	1.64E-04
3892	438243.5	3762693	2.12E-03	3.46E-04	1.60E-04
3893	438243.5	3762684	2.07E-03	3.38E-04	1.57E-04
3894	438243.5	3762675	2.02E-03	3.30E-04	1.53E-04

3895	438283.5	3762711	2.01E-03	3.29E-04	1.53E-04
3896	438283.5	3762702	1.97E-03	3.22E-04	1.49E-04
3897	438283.5	3762693	1.93E-03	3.15E-04	1.46E-04
3898	438283.5	3762684	1.88E-03	3.08E-04	1.43E-04
3899	438283.5	3762675	1.84E-03	3.01E-04	1.39E-04
3900	438323.5	3762711	1.84E-03	3.00E-04	1.39E-04
3901	438323.5	3762702	1.80E-03	2.94E-04	1.36E-04
3902	438323.5	3762693	1.76E-03	2.88E-04	1.33E-04
3903	438323.5	3762684	1.72E-03	2.81E-04	1.31E-04
3904	438323.5	3762675	1.69E-03	2.75E-04	1.28E-04
3905	438403.5	3762711	1.55E-03	2.53E-04	1.17E-04
3906	438403.5	3762702	1.52E-03	2.48E-04	1.15E-04
3907	438403.5	3762693	1.49E-03	2.43E-04	1.13E-04
3908	438403.5	3762684	1.46E-03	2.38E-04	1.11E-04
3909	438403.5	3762675	1.43E-03	2.34E-04	1.08E-04
3910	438443.5	3762711	1.43E-03	2.33E-04	1.08E-04
3911	438443.5	3762702	1.40E-03	2.29E-04	1.06E-04
3912	438443.5	3762693	1.38E-03	2.25E-04	1.04E-04
3913	438443.5	3762684	1.35E-03	2.21E-04	1.02E-04
3914	438443.5	3762675	1.32E-03	2.16E-04	1.00E-04
3915	437433.5	3762665	2.38E-02	3.88E-03	1.80E-03
3916	437423.6	3762665	2.26E-02	3.70E-03	1.72E-03
3917	437413.7	3762665	2.14E-02	3.50E-03	1.62E-03
3918	437403.8	3762665	2.01E-02	3.29E-03	1.52E-03
3919	437393.9	3762665	1.88E-02	3.08E-03	1.43E-03
3920	437433.5	3762655	1.96E-02	3.20E-03	1.49E-03
3921	437423.6	3762655	1.87E-02	3.06E-03	1.42E-03
3922	437413.7	3762655	1.78E-02	2.91E-03	1.35E-03
3923	437403.8	3762655	1.68E-02	2.75E-03	1.28E-03
3924	437393.9	3762655	1.59E-02	2.59E-03	1.20E-03
3925	437433.4	3762645	1.64E-02	2.68E-03	1.24E-03
3926	437423.6	3762645	1.58E-02	2.57E-03	1.19E-03
3927	437413.7	3762645	1.50E-02	2.46E-03	1.14E-03
3928	437403.8	3762645	1.43E-02	2.34E-03	1.08E-03
3929	437393.9	3762645	1.35E-02	2.21E-03	1.03E-03
3930	437433.4	3762635	1.39E-02	2.28E-03	1.06E-03
3931	437423.5	3762635	1.34E-02	2.19E-03	1.02E-03
3932	437413.6	3762635	1.28E-02	2.10E-03	9.73E-04
3933	437403.7	3762635	1.23E-02	2.00E-03	9.30E-04
3934	437393.8	3762635	1.17E-02	1.91E-03	8.86E-04
3935	437433.4	3762625	1.19E-02	1.95E-03	9.05E-04
3936	437423.5	3762625	1.15E-02	1.88E-03	8.74E-04
3937	437413.6	3762625	1.11E-02	1.81E-03	8.41E-04
3938	437403.7	3762625	1.06E-02	1.74E-03	8.06E-04
3939	437393.8	3762625	1.02E-02	1.66E-03	7.72E-04
3940	437433.3	3762615	1.04E-02	1.69E-03	7.85E-04
3941	437423.4	3762615	1.00E-02	1.64E-03	7.60E-04
3942	437413.5	3762615	9.68E-03	1.58E-03	7.33E-04
3943	437403.6	3762615	9.31E-03	1.52E-03	7.06E-04
3944	437393.8	3762615	8.95E-03	1.46E-03	6.78E-04
3945	437433.3	3762605	9.07E-03	1.48E-03	6.87E-04
3946	437423.4	3762605	8.80E-03	1.44E-03	6.67E-04

3947	437413.5	3762605	8.51E-03	1.39E-03	6.45E-04
3948	437403.6	3762605	8.22E-03	1.34E-03	6.23E-04
3949	437393.7	3762605	7.92E-03	1.29E-03	6.00E-04
3950	437475.6	3762608	1.05E-02	1.72E-03	7.96E-04
3951	437433.3	3762595	8.00E-03	1.31E-03	6.06E-04
3952	437423.4	3762595	7.78E-03	1.27E-03	5.89E-04
3953	437413.5	3762595	7.54E-03	1.23E-03	5.72E-04
3954	437403.6	3762595	7.30E-03	1.19E-03	5.53E-04
3955	437393.7	3762595	7.06E-03	1.15E-03	5.35E-04
3956	437433.2	3762585	7.10E-03	1.16E-03	5.38E-04
3957	437423.3	3762585	6.92E-03	1.13E-03	5.24E-04
3958	437413.4	3762585	6.72E-03	1.10E-03	5.10E-04
3959	437403.5	3762585	6.53E-03	1.07E-03	4.95E-04
3960	437393.6	3762585	6.33E-03	1.03E-03	4.80E-04
3961	437478.6	3762589	8.29E-03	1.35E-03	6.28E-04
3962	437433.2	3762575	6.34E-03	1.04E-03	4.81E-04
3963	437423.3	3762575	6.19E-03	1.01E-03	4.69E-04
3964	437413.4	3762575	6.03E-03	9.85E-04	4.57E-04
3965	437403.5	3762575	5.87E-03	9.58E-04	4.44E-04
3966	437393.6	3762575	5.70E-03	9.31E-04	4.32E-04
3967	437477.1	3762569	6.51E-03	1.06E-03	4.93E-04
3968	437433.1	3762555	5.14E-03	8.40E-04	3.90E-04
3969	437423.2	3762555	5.03E-03	8.22E-04	3.81E-04
3970	437413.3	3762555	4.92E-03	8.03E-04	3.73E-04
3971	437403.4	3762555	4.80E-03	7.84E-04	3.64E-04
3972	437393.5	3762555	4.69E-03	7.65E-04	3.55E-04
3973	437479	3762549	5.34E-03	8.72E-04	4.05E-04
3974	437524.2	3762568	6.84E-03	1.12E-03	5.19E-04
3975	437533.2	3762572	7.16E-03	1.17E-03	5.43E-04
3976	437433	3762535	4.25E-03	6.94E-04	3.22E-04
3977	437423.1	3762535	4.16E-03	6.80E-04	3.15E-04
3978	437413.2	3762535	4.08E-03	6.66E-04	3.09E-04
3979	437403.3	3762535	3.99E-03	6.52E-04	3.03E-04
3980	437393.4	3762535	3.91E-03	6.39E-04	2.96E-04
3981	437477.8	3762529	4.38E-03	7.15E-04	3.32E-04
3982	437530.2	3762551	5.73E-03	9.36E-04	4.34E-04
3983	437432.9	3762515	3.56E-03	5.82E-04	2.70E-04
3984	437423.1	3762515	3.50E-03	5.72E-04	2.65E-04
3985	437413.2	3762515	3.44E-03	5.61E-04	2.60E-04
3986	437403.3	3762515	3.37E-03	5.51E-04	2.55E-04
3987	437393.4	3762515	3.31E-03	5.40E-04	2.51E-04
3988	437479.3	3762510	3.70E-03	6.04E-04	2.80E-04
3989	437524.9	3762528	4.62E-03	7.54E-04	3.50E-04
3990	437432.9	3762495	3.03E-03	4.95E-04	2.30E-04
3991	437423	3762495	2.98E-03	4.87E-04	2.26E-04
3992	437413.1	3762495	2.93E-03	4.79E-04	2.22E-04
3993	437403.2	3762495	2.88E-03	4.70E-04	2.18E-04
3994	437393.3	3762495	2.83E-03	4.62E-04	2.15E-04
3995	437478.2	3762489	3.12E-03	5.10E-04	2.36E-04
3996	437531.4	3762511	3.98E-03	6.51E-04	3.02E-04
3997	437610.4	3762595	8.71E-03	1.42E-03	6.60E-04
3998	437617.7	3762613	1.04E-02	1.70E-03	7.88E-04

3999	437632.4	3762648	1.50E-02	2.45E-03	1.14E-03
4000	437432.8	3762475	2.60E-03	4.25E-04	1.97E-04
4001	437422.9	3762475	2.56E-03	4.19E-04	1.94E-04
4002	437413	3762475	2.53E-03	4.13E-04	1.91E-04
4003	437403.1	3762475	2.49E-03	4.06E-04	1.88E-04
4004	437393.2	3762475	2.45E-03	4.00E-04	1.85E-04
4005	437477.3	3762469	2.67E-03	4.36E-04	2.02E-04
4006	437529.3	3762490	3.35E-03	5.47E-04	2.54E-04
4007	437623.9	3762579	7.24E-03	1.18E-03	5.49E-04
4008	437645.5	3762631	1.17E-02	1.91E-03	8.87E-04
4009	437432.7	3762455	2.26E-03	3.69E-04	1.71E-04
4010	437422.8	3762455	2.23E-03	3.64E-04	1.69E-04
4011	437412.9	3762455	2.20E-03	3.59E-04	1.66E-04
4012	437403	3762455	2.16E-03	3.54E-04	1.64E-04
4013	437393.1	3762455	2.13E-03	3.49E-04	1.62E-04
4014	437478.4	3762449	2.32E-03	3.80E-04	1.76E-04
4015	437523.2	3762468	2.80E-03	4.58E-04	2.12E-04
4016	437532.2	3762471	2.91E-03	4.75E-04	2.20E-04
4017	437616.6	3762514	4.11E-03	6.71E-04	3.11E-04
4018	437627.7	3762540	5.06E-03	8.27E-04	3.83E-04
4019	437657.4	3762612	9.16E-03	1.50E-03	6.94E-04
4020	437432.6	3762435	1.98E-03	3.23E-04	1.50E-04
4021	437422.7	3762435	1.95E-03	3.19E-04	1.48E-04
4022	437412.9	3762435	1.93E-03	3.15E-04	1.46E-04
4023	437403	3762435	1.90E-03	3.11E-04	1.44E-04
4024	437393.1	3762435	1.88E-03	3.06E-04	1.42E-04
4025	437477.6	3762429	2.03E-03	3.31E-04	1.54E-04
4026	437530.3	3762451	2.50E-03	4.08E-04	1.89E-04
4027	437641.5	3762526	4.41E-03	7.20E-04	3.34E-04
4028	437659.7	3762569	6.13E-03	1.00E-03	4.65E-04
4029	437674.3	3762604	8.07E-03	1.32E-03	6.12E-04
4030	437681.6	3762622	9.28E-03	1.52E-03	7.03E-04
4031	437432.6	3762415	1.74E-03	2.85E-04	1.32E-04
4032	437422.7	3762415	1.72E-03	2.81E-04	1.31E-04
4033	437412.8	3762415	1.70E-03	2.78E-04	1.29E-04
4034	437402.9	3762415	1.68E-03	2.75E-04	1.27E-04
4035	437393	3762415	1.66E-03	2.71E-04	1.26E-04
4036	437460.4	3762402	1.68E-03	2.74E-04	1.27E-04
4037	437469.5	3762406	1.73E-03	2.83E-04	1.31E-04
4038	437478.5	3762409	1.79E-03	2.93E-04	1.36E-04
4039	437523.7	3762428	2.13E-03	3.48E-04	1.61E-04
4040	437532.7	3762432	2.20E-03	3.60E-04	1.67E-04
4041	437656	3762512	3.92E-03	6.40E-04	2.97E-04
4042	437686	3762584	6.53E-03	1.07E-03	4.95E-04
4043	437432.5	3762395	1.55E-03	2.53E-04	1.17E-04
4044	437422.6	3762395	1.53E-03	2.50E-04	1.16E-04
4045	437412.7	3762395	1.51E-03	2.47E-04	1.15E-04
4046	437402.8	3762395	1.50E-03	2.44E-04	1.13E-04
4047	437392.9	3762395	1.48E-03	2.42E-04	1.12E-04
4048	437451.2	3762378	1.45E-03	2.36E-04	1.10E-04
4049	437504.4	3762400	1.75E-03	2.86E-04	1.33E-04
4050	437513.3	3762404	1.81E-03	2.95E-04	1.37E-04

4051	437522.1	3762407	1.87E-03	3.05E-04	1.41E-04
4052	437531	3762411	1.93E-03	3.15E-04	1.46E-04
4053	437658.9	3762471	2.93E-03	4.79E-04	2.22E-04
4054	437703	3762577	5.87E-03	9.58E-04	4.45E-04
4055	437442.3	3762375	1.40E-03	2.29E-04	1.06E-04
4056	437432.4	3762375	1.39E-03	2.26E-04	1.05E-04
4057	437422.5	3762375	1.37E-03	2.24E-04	1.04E-04
4058	437412.6	3762375	1.35E-03	2.21E-04	1.03E-04
4059	437402.7	3762375	1.34E-03	2.19E-04	1.02E-04
4060	437392.8	3762375	1.33E-03	2.17E-04	1.00E-04
4061	437451.2	3762348	1.23E-03	2.01E-04	9.33E-05
4062	437505.2	3762371	1.48E-03	2.41E-04	1.12E-04
4063	437514.2	3762374	1.52E-03	2.49E-04	1.15E-04
4064	437523.2	3762378	1.57E-03	2.57E-04	1.19E-04
4065	437532.3	3762382	1.62E-03	2.65E-04	1.23E-04
4066	437683.8	3762459	2.66E-03	4.34E-04	2.02E-04
4067	437706.2	3762513	3.65E-03	5.96E-04	2.76E-04
4068	437713.7	3762531	4.06E-03	6.63E-04	3.08E-04
4069	437442.2	3762345	1.20E-03	1.95E-04	9.07E-05
4070	437432.3	3762345	1.18E-03	1.93E-04	8.97E-05
4071	437422.4	3762345	1.17E-03	1.91E-04	8.87E-05
4072	437412.5	3762345	1.16E-03	1.89E-04	8.78E-05
4073	437402.6	3762345	1.15E-03	1.87E-04	8.70E-05
4074	437392.7	3762345	1.14E-03	1.86E-04	8.61E-05
4075	437451.2	3762318	1.06E-03	1.74E-04	8.05E-05
4076	437505.9	3762341	1.26E-03	2.06E-04	9.57E-05
4077	437515.1	3762345	1.30E-03	2.12E-04	9.85E-05
4078	437524.2	3762348	1.34E-03	2.19E-04	1.01E-04
4079	437701.3	3762429	2.20E-03	3.59E-04	1.66E-04
4080	437705.1	3762438	2.30E-03	3.76E-04	1.75E-04
4081	437720.2	3762474	2.80E-03	4.57E-04	2.12E-04
4082	437742.9	3762529	3.76E-03	6.15E-04	2.85E-04
4083	437761.8	3762574	4.85E-03	7.92E-04	3.67E-04
4084	437769.4	3762593	5.38E-03	8.79E-04	4.08E-04
4085	437777	3762611	5.97E-03	9.76E-04	4.53E-04
4086	437442.1	3762315	1.03E-03	1.69E-04	7.83E-05
4087	437432.2	3762315	1.02E-03	1.67E-04	7.75E-05
4088	437422.3	3762315	1.01E-03	1.66E-04	7.68E-05
4089	437412.4	3762315	1.00E-03	1.64E-04	7.60E-05
4090	437402.5	3762315	9.94E-04	1.62E-04	7.53E-05
4091	437392.6	3762315	9.85E-04	1.61E-04	7.46E-05
4092	437450.9	3762288	9.26E-04	1.51E-04	7.01E-05
4093	437504.4	3762310	1.08E-03	1.77E-04	8.22E-05
4094	437513.4	3762314	1.11E-03	1.82E-04	8.44E-05
4095	437522.3	3762318	1.15E-03	1.87E-04	8.68E-05
4096	437531.2	3762321	1.18E-03	1.92E-04	8.92E-05
4097	437726.1	3762416	2.01E-03	3.28E-04	1.52E-04
4098	437740.9	3762452	2.39E-03	3.91E-04	1.81E-04
4099	437755.7	3762487	2.85E-03	4.66E-04	2.16E-04
4100	437442	3762285	9.03E-04	1.47E-04	6.84E-05
4101	437432.1	3762285	8.94E-04	1.46E-04	6.77E-05
4102	437422.2	3762285	8.85E-04	1.45E-04	6.71E-05

4103	437412.3	3762285	8.77E-04	1.43E-04	6.65E-05
4104	437402.4	3762285	8.70E-04	1.42E-04	6.59E-05
4105	437392.5	3762285	8.62E-04	1.41E-04	6.53E-05
4106	437450.9	3762258	8.15E-04	1.33E-04	6.18E-05
4107	437505.1	3762281	9.48E-04	1.55E-04	7.18E-05
4108	437514.1	3762284	9.73E-04	1.59E-04	7.37E-05
4109	437523.1	3762288	9.99E-04	1.63E-04	7.57E-05
4110	437532.2	3762292	1.02E-03	1.67E-04	7.77E-05
4111	437747.4	3762395	1.77E-03	2.90E-04	1.34E-04
4112	437762.3	3762431	2.09E-03	3.41E-04	1.58E-04
4113	437777.3	3762467	2.46E-03	4.02E-04	1.87E-04
4114	437441.8	3762255	7.96E-04	1.30E-04	6.03E-05
4115	437431.9	3762255	7.88E-04	1.29E-04	5.97E-05
4116	437422.1	3762255	7.81E-04	1.28E-04	5.92E-05
4117	437412.2	3762255	7.74E-04	1.27E-04	5.87E-05
4118	437402.3	3762255	7.68E-04	1.25E-04	5.82E-05
4119	437392.4	3762255	7.62E-04	1.24E-04	5.77E-05
4120	437450.8	3762228	7.24E-04	1.18E-04	5.48E-05
4121	437505.6	3762251	8.36E-04	1.37E-04	6.34E-05
4122	437514.7	3762255	8.57E-04	1.40E-04	6.49E-05
4123	437523.8	3762258	8.79E-04	1.44E-04	6.66E-05
4124	437768.6	3762374	1.58E-03	2.58E-04	1.19E-04
4125	437783.7	3762410	1.84E-03	3.00E-04	1.39E-04
4126	437798.9	3762447	2.14E-03	3.50E-04	1.62E-04
4127	437441.7	3762225	7.07E-04	1.16E-04	5.36E-05
4128	437431.8	3762225	7.01E-04	1.15E-04	5.31E-05
4129	437421.9	3762225	6.95E-04	1.14E-04	5.27E-05
4130	437412	3762225	6.89E-04	1.13E-04	5.22E-05
4131	437402.2	3762225	6.84E-04	1.12E-04	5.18E-05
4132	437392.3	3762225	6.78E-04	1.11E-04	5.14E-05
4133	437450.6	3762198	6.47E-04	1.06E-04	4.90E-05
4134	437504.4	3762220	7.40E-04	1.21E-04	5.61E-05
4135	437513.3	3762224	7.58E-04	1.24E-04	5.74E-05
4136	437522.3	3762228	7.75E-04	1.27E-04	5.88E-05
4137	437789.6	3762352	1.41E-03	2.30E-04	1.07E-04
4138	437804.5	3762388	1.62E-03	2.65E-04	1.23E-04
4139	437819.4	3762424	1.87E-03	3.05E-04	1.41E-04
4140	437441.6	3762195	6.34E-04	1.04E-04	4.80E-05
4141	437431.7	3762195	6.28E-04	1.03E-04	4.76E-05
4142	437421.8	3762195	6.23E-04	1.02E-04	4.72E-05
4143	437411.9	3762195	6.18E-04	1.01E-04	4.68E-05
4144	437402	3762195	6.13E-04	1.00E-04	4.65E-05
4145	437392.1	3762195	6.09E-04	9.95E-05	4.61E-05
4146	437450.5	3762168	5.83E-04	9.53E-05	4.42E-05
4147	437504.8	3762191	6.63E-04	1.08E-04	5.03E-05
4148	437513.9	3762194	6.78E-04	1.11E-04	5.14E-05
4149	437522.9	3762198	6.94E-04	1.13E-04	5.26E-05
4150	437810.9	3762331	1.27E-03	2.07E-04	9.62E-05
4151	437825.9	3762368	1.45E-03	2.37E-04	1.10E-04
4152	437840.9	3762404	1.65E-03	2.70E-04	1.25E-04
4153	437923.4	3762602	3.57E-03	5.83E-04	2.70E-04
4154	437441.5	3762165	5.72E-04	9.34E-05	4.33E-05

4155	437431.6	3762165	5.67E-04	9.26E-05	4.30E-05
4156	437421.7	3762165	5.63E-04	9.19E-05	4.26E-05
4157	437411.8	3762165	5.58E-04	9.12E-05	4.23E-05
4158	437401.9	3762165	5.54E-04	9.05E-05	4.20E-05
4159	437392	3762165	5.50E-04	8.99E-05	4.17E-05
4160	437450.5	3762138	5.29E-04	8.64E-05	4.01E-05
4161	437505.2	3762161	5.99E-04	9.78E-05	4.54E-05
4162	437514.4	3762165	6.12E-04	9.99E-05	4.63E-05
4163	437523.5	3762168	6.25E-04	1.02E-04	4.74E-05
4164	437832.1	3762310	1.15E-03	1.88E-04	8.72E-05
4165	437847.3	3762347	1.30E-03	2.13E-04	9.88E-05
4166	437862.4	3762383	1.48E-03	2.41E-04	1.12E-04
4167	437441.4	3762135	5.19E-04	8.48E-05	3.93E-05
4168	437431.5	3762135	5.15E-04	8.41E-05	3.90E-05
4169	437421.6	3762135	5.11E-04	8.35E-05	3.87E-05
4170	437411.7	3762135	5.07E-04	8.28E-05	3.84E-05
4171	437401.8	3762135	5.03E-04	8.23E-05	3.82E-05
4172	437391.9	3762135	5.00E-04	8.17E-05	3.79E-05
4173	437450.3	3762108	4.83E-04	7.89E-05	3.66E-05
4174	437504.2	3762131	5.42E-04	8.85E-05	4.11E-05
4175	437513.2	3762134	5.53E-04	9.03E-05	4.19E-05
4176	437522.2	3762138	5.64E-04	9.22E-05	4.28E-05
4177	437853.2	3762289	1.05E-03	1.71E-04	7.94E-05
4178	437868.1	3762325	1.18E-03	1.92E-04	8.91E-05
4179	437883	3762361	1.32E-03	2.16E-04	1.00E-04
4180	437441.3	3762105	4.74E-04	7.74E-05	3.59E-05
4181	437431.4	3762105	4.70E-04	7.68E-05	3.56E-05
4182	437421.5	3762105	4.67E-04	7.62E-05	3.54E-05
4183	437411.6	3762105	4.63E-04	7.57E-05	3.51E-05
4184	437401.7	3762105	4.60E-04	7.52E-05	3.49E-05
4185	437391.8	3762105	4.57E-04	7.47E-05	3.46E-05
4186	437486.4	3762093	4.77E-04	7.79E-05	3.61E-05
4187	437495.5	3762097	4.86E-04	7.94E-05	3.68E-05
4188	437504.6	3762101	4.95E-04	8.09E-05	3.75E-05
4189	437513.6	3762104	5.05E-04	8.25E-05	3.82E-05
4190	437522.7	3762108	5.15E-04	8.41E-05	3.90E-05
4191	437889.4	3762304	1.07E-03	1.75E-04	8.12E-05
4192	437904.5	3762340	1.20E-03	1.95E-04	9.06E-05
4193	437921.5	3762285	9.77E-04	1.60E-04	7.40E-05
4194	437925.3	3762294	1.00E-03	1.64E-04	7.59E-05
4195	437936.6	3762321	1.08E-03	1.77E-04	8.19E-05
4196	437940.3	3762330	1.11E-03	1.81E-04	8.40E-05
4197	438002.6	3762384	1.22E-03	1.99E-04	9.22E-05
4198	438006.4	3762393	1.25E-03	2.04E-04	9.44E-05
4199	438010.2	3762402	1.28E-03	2.09E-04	9.67E-05
4200	438014	3762411	1.31E-03	2.14E-04	9.91E-05
4201	438017.7	3762420	1.34E-03	2.19E-04	1.02E-04
4202	438021.5	3762429	1.37E-03	2.25E-04	1.04E-04
4203	438025.3	3762438	1.41E-03	2.30E-04	1.07E-04
4204	438029.1	3762447	1.45E-03	2.36E-04	1.10E-04
4205	438032.8	3762457	1.48E-03	2.42E-04	1.12E-04
4206	438036.6	3762466	1.52E-03	2.49E-04	1.15E-04

4207	438040.4	3762475	1.56E-03	2.55E-04	1.18E-04
4208	438044.2	3762484	1.60E-03	2.62E-04	1.22E-04
4209	438047.9	3762493	1.65E-03	2.69E-04	1.25E-04
4210	438051.7	3762502	1.69E-03	2.77E-04	1.28E-04
4211	438055.5	3762511	1.74E-03	2.84E-04	1.32E-04
4212	438059.3	3762520	1.79E-03	2.92E-04	1.35E-04
4213	438063	3762529	1.84E-03	3.00E-04	1.39E-04
4214	438066.8	3762538	1.89E-03	3.08E-04	1.43E-04
4215	438070.6	3762547	1.94E-03	3.17E-04	1.47E-04
4216	438074.4	3762556	1.99E-03	3.25E-04	1.51E-04
4217	438078.2	3762566	2.05E-03	3.34E-04	1.55E-04
4218	438081.9	3762575	2.10E-03	3.43E-04	1.59E-04
4219	438085.7	3762584	2.16E-03	3.52E-04	1.63E-04
4220	438089.5	3762593	2.21E-03	3.62E-04	1.68E-04
4221	438093.3	3762602	2.27E-03	3.71E-04	1.72E-04
4222	438097	3762611	2.33E-03	3.81E-04	1.77E-04
4223	438100.8	3762620	2.39E-03	3.91E-04	1.81E-04
4224	438104.6	3762629	2.45E-03	4.01E-04	1.86E-04
4225	438108.4	3762638	2.51E-03	4.10E-04	1.90E-04
4226	438112.1	3762647	2.57E-03	4.20E-04	1.95E-04
4227	438115.9	3762656	2.63E-03	4.29E-04	1.99E-04
4228	438119.7	3762666	2.69E-03	4.39E-04	2.04E-04
4229	437981.9	3762237	8.06E-04	1.32E-04	6.11E-05
4230	437985.6	3762247	8.24E-04	1.35E-04	6.24E-05
4231	437997	3762274	8.80E-04	1.44E-04	6.67E-05
4232	438000.8	3762283	8.99E-04	1.47E-04	6.82E-05
4233	438004.6	3762292	9.19E-04	1.50E-04	6.97E-05
4234	438008.3	3762301	9.40E-04	1.54E-04	7.12E-05
4235	438012.1	3762310	9.60E-04	1.57E-04	7.28E-05
4236	438015.9	3762319	9.82E-04	1.60E-04	7.44E-05
4237	438019.7	3762329	1.00E-03	1.64E-04	7.60E-05
4238	438042.4	3762383	1.15E-03	1.87E-04	8.68E-05
4239	438046.2	3762392	1.17E-03	1.92E-04	8.88E-05
4240	438050	3762401	1.20E-03	1.96E-04	9.09E-05
4241	438053.7	3762410	1.23E-03	2.00E-04	9.30E-05
4242	438057.5	3762420	1.26E-03	2.05E-04	9.52E-05
4243	438061.3	3762429	1.29E-03	2.10E-04	9.74E-05
4244	438065.1	3762438	1.32E-03	2.15E-04	9.98E-05
4245	438068.9	3762447	1.35E-03	2.20E-04	1.02E-04
4246	438072.7	3762456	1.38E-03	2.26E-04	1.05E-04
4247	438076.4	3762465	1.42E-03	2.32E-04	1.07E-04
4248	438080.2	3762474	1.45E-03	2.37E-04	1.10E-04
4249	438084	3762483	1.49E-03	2.44E-04	1.13E-04
4250	438087.8	3762492	1.53E-03	2.50E-04	1.16E-04
4251	438091.6	3762502	1.57E-03	2.56E-04	1.19E-04
4252	438095.4	3762511	1.61E-03	2.63E-04	1.22E-04
4253	438099.1	3762520	1.65E-03	2.70E-04	1.25E-04
4254	438102.9	3762529	1.69E-03	2.77E-04	1.28E-04
4255	438106.7	3762538	1.74E-03	2.84E-04	1.32E-04
4256	438110.5	3762547	1.78E-03	2.91E-04	1.35E-04
4257	438114.3	3762556	1.83E-03	2.99E-04	1.39E-04
4258	438118.1	3762565	1.88E-03	3.07E-04	1.42E-04

4259	438121.8	3762574	1.92E-03	3.14E-04	1.46E-04
4260	438125.6	3762584	1.97E-03	3.22E-04	1.50E-04
4261	438129.4	3762593	2.02E-03	3.30E-04	1.53E-04
4262	438133.2	3762602	2.07E-03	3.38E-04	1.57E-04
4263	438137	3762611	2.12E-03	3.47E-04	1.61E-04
4264	438140.8	3762620	2.17E-03	3.55E-04	1.65E-04
4265	438144.5	3762629	2.22E-03	3.63E-04	1.68E-04
4266	438148.3	3762638	2.27E-03	3.71E-04	1.72E-04
4267	438152.1	3762647	2.32E-03	3.79E-04	1.76E-04
4268	438155.9	3762656	2.37E-03	3.87E-04	1.80E-04
4269	438159.7	3762666	2.42E-03	3.95E-04	1.83E-04
4270	437987.4	3762154	6.45E-04	1.05E-04	4.89E-05
4271	437991.2	3762164	6.58E-04	1.08E-04	4.99E-05
4272	437995	3762173	6.72E-04	1.10E-04	5.09E-05
4273	438006.4	3762200	7.15E-04	1.17E-04	5.42E-05
4274	438010.1	3762209	7.30E-04	1.19E-04	5.53E-05
4275	438013.9	3762218	7.46E-04	1.22E-04	5.65E-05
4276	438025.3	3762246	7.93E-04	1.30E-04	6.01E-05
4277	438029.1	3762255	8.09E-04	1.32E-04	6.13E-05
4278	438032.9	3762264	8.26E-04	1.35E-04	6.26E-05
4279	438036.7	3762273	8.43E-04	1.38E-04	6.39E-05
4280	438040.5	3762282	8.61E-04	1.41E-04	6.52E-05
4281	438044.3	3762291	8.78E-04	1.43E-04	6.66E-05
4282	438048	3762300	8.97E-04	1.46E-04	6.79E-05
4283	438051.8	3762310	9.15E-04	1.49E-04	6.93E-05
4284	438055.6	3762319	9.34E-04	1.53E-04	7.08E-05
4285	438059.4	3762328	9.53E-04	1.56E-04	7.22E-05
4286	438063.2	3762337	9.73E-04	1.59E-04	7.37E-05
4287	438067	3762346	9.93E-04	1.62E-04	7.53E-05
4288	438070.8	3762355	1.01E-03	1.66E-04	7.68E-05
4289	438074.6	3762364	1.04E-03	1.69E-04	7.85E-05
4290	438078.4	3762373	1.06E-03	1.73E-04	8.01E-05
4291	438082.2	3762383	1.08E-03	1.76E-04	8.19E-05
4292	438086	3762392	1.10E-03	1.80E-04	8.36E-05
4293	438089.7	3762401	1.13E-03	1.84E-04	8.55E-05
4294	438093.5	3762410	1.15E-03	1.88E-04	8.74E-05
4295	438097.3	3762419	1.18E-03	1.93E-04	8.93E-05
4296	438101.1	3762428	1.21E-03	1.97E-04	9.14E-05
4297	438104.9	3762437	1.23E-03	2.02E-04	9.35E-05
4298	438108.7	3762447	1.26E-03	2.06E-04	9.57E-05
4299	438112.5	3762456	1.29E-03	2.11E-04	9.79E-05
4300	438116.3	3762465	1.32E-03	2.16E-04	1.00E-04
4301	438120.1	3762474	1.36E-03	2.21E-04	1.03E-04
4302	438123.9	3762483	1.39E-03	2.27E-04	1.05E-04
4303	438127.6	3762492	1.42E-03	2.32E-04	1.08E-04
4304	438131.4	3762501	1.46E-03	2.38E-04	1.10E-04
4305	438135.2	3762510	1.49E-03	2.44E-04	1.13E-04
4306	438139	3762520	1.53E-03	2.50E-04	1.16E-04
4307	438142.8	3762529	1.57E-03	2.56E-04	1.19E-04
4308	438146.6	3762538	1.61E-03	2.62E-04	1.22E-04
4309	438150.4	3762547	1.65E-03	2.69E-04	1.25E-04
4310	438154.2	3762556	1.69E-03	2.75E-04	1.28E-04

4311	438158	3762565	1.73E-03	2.82E-04	1.31E-04
4312	438161.8	3762574	1.77E-03	2.89E-04	1.34E-04
4313	438165.6	3762583	1.81E-03	2.96E-04	1.37E-04
4314	438169.3	3762593	1.85E-03	3.03E-04	1.40E-04
4315	438173.1	3762602	1.90E-03	3.10E-04	1.44E-04
4316	438176.9	3762611	1.94E-03	3.17E-04	1.47E-04
4317	438180.7	3762620	1.98E-03	3.23E-04	1.50E-04
4318	438184.5	3762629	2.02E-03	3.30E-04	1.53E-04
4319	438188.3	3762638	2.06E-03	3.37E-04	1.56E-04
4320	438192.1	3762647	2.10E-03	3.44E-04	1.60E-04
4321	438195.9	3762656	2.15E-03	3.51E-04	1.63E-04
4322	438199.7	3762666	2.19E-03	3.57E-04	1.66E-04
4323	438015.5	3762126	5.93E-04	9.68E-05	4.49E-05
4324	438019.3	3762135	6.04E-04	9.86E-05	4.57E-05
4325	438023	3762144	6.15E-04	1.01E-04	4.66E-05
4326	438034.2	3762171	6.51E-04	1.06E-04	4.93E-05
4327	438037.9	3762180	6.64E-04	1.08E-04	5.03E-05
4328	438041.7	3762189	6.77E-04	1.11E-04	5.13E-05
4329	438052.9	3762216	7.16E-04	1.17E-04	5.43E-05
4330	438056.6	3762225	7.30E-04	1.19E-04	5.53E-05
4331	438060.4	3762234	7.44E-04	1.22E-04	5.64E-05
4332	438064.1	3762243	7.58E-04	1.24E-04	5.75E-05
4333	438067.8	3762252	7.73E-04	1.26E-04	5.86E-05
4334	438071.6	3762261	7.88E-04	1.29E-04	5.97E-05
4335	438075.3	3762270	8.03E-04	1.31E-04	6.08E-05
4336	438079	3762279	8.18E-04	1.34E-04	6.20E-05
4337	438082.8	3762288	8.33E-04	1.36E-04	6.31E-05
4338	438086.5	3762297	8.49E-04	1.39E-04	6.43E-05
4339	438090.3	3762306	8.65E-04	1.41E-04	6.56E-05
4340	438094	3762315	8.82E-04	1.44E-04	6.68E-05
4341	438097.7	3762324	8.98E-04	1.47E-04	6.81E-05
4342	438101.5	3762333	9.16E-04	1.50E-04	6.94E-05
4343	438105.2	3762342	9.33E-04	1.52E-04	7.07E-05
4344	438108.9	3762351	9.52E-04	1.55E-04	7.21E-05
4345	438112.7	3762360	9.70E-04	1.59E-04	7.35E-05
4346	438116.4	3762369	9.90E-04	1.62E-04	7.50E-05
4347	438120.1	3762378	1.01E-03	1.65E-04	7.65E-05
4348	438123.9	3762387	1.03E-03	1.68E-04	7.81E-05
4349	438127.6	3762396	1.05E-03	1.72E-04	7.97E-05
4350	438131.4	3762405	1.07E-03	1.75E-04	8.13E-05
4351	438135.1	3762414	1.10E-03	1.79E-04	8.30E-05
4352	438138.8	3762423	1.12E-03	1.83E-04	8.48E-05
4353	438142.6	3762432	1.14E-03	1.87E-04	8.66E-05
4354	438146.3	3762441	1.17E-03	1.91E-04	8.85E-05
4355	438150	3762450	1.19E-03	1.95E-04	9.05E-05
4356	438153.8	3762459	1.22E-03	1.99E-04	9.25E-05
4357	438157.5	3762468	1.25E-03	2.04E-04	9.46E-05
4358	438161.3	3762477	1.28E-03	2.09E-04	9.68E-05
4359	438165	3762486	1.31E-03	2.13E-04	9.90E-05
4360	438168.7	3762495	1.34E-03	2.18E-04	1.01E-04
4361	438172.5	3762504	1.37E-03	2.23E-04	1.04E-04
4362	438176.2	3762513	1.40E-03	2.29E-04	1.06E-04

4363	438183.7	3762531	1.46E-03	2.39E-04	1.11E-04
4364	438187.4	3762540	1.50E-03	2.45E-04	1.14E-04
4365	438191.1	3762549	1.53E-03	2.50E-04	1.16E-04
4366	438194.9	3762558	1.57E-03	2.56E-04	1.19E-04
4367	438198.6	3762567	1.60E-03	2.62E-04	1.21E-04
4368	438202.4	3762576	1.64E-03	2.67E-04	1.24E-04
4369	438206.1	3762585	1.67E-03	2.73E-04	1.27E-04
4370	438221	3762621	1.81E-03	2.96E-04	1.37E-04
4371	438224.8	3762630	1.85E-03	3.02E-04	1.40E-04
4372	438228.5	3762639	1.88E-03	3.08E-04	1.43E-04
4373	438232.2	3762648	1.92E-03	3.13E-04	1.45E-04
4374	438236	3762657	1.95E-03	3.19E-04	1.48E-04
4375	438239.7	3762666	1.99E-03	3.24E-04	1.50E-04
4376	438047.5	3762107	5.57E-04	9.10E-05	4.22E-05
4377	438051.3	3762116	5.67E-04	9.26E-05	4.30E-05
4378	438062.5	3762143	5.98E-04	9.77E-05	4.53E-05
4379	438066.2	3762152	6.09E-04	9.95E-05	4.61E-05
4380	438070	3762161	6.20E-04	1.01E-04	4.70E-05
4381	438081.2	3762188	6.54E-04	1.07E-04	4.96E-05
4382	438085	3762197	6.66E-04	1.09E-04	5.05E-05
4383	438088.7	3762206	6.78E-04	1.11E-04	5.14E-05
4384	438092.5	3762215	6.90E-04	1.13E-04	5.23E-05
4385	438096.2	3762224	7.03E-04	1.15E-04	5.33E-05
4386	438099.9	3762233	7.15E-04	1.17E-04	5.42E-05
4387	438103.7	3762242	7.28E-04	1.19E-04	5.52E-05
4388	438107.4	3762251	7.41E-04	1.21E-04	5.61E-05
4389	438111.2	3762260	7.54E-04	1.23E-04	5.71E-05
4390	438114.9	3762269	7.67E-04	1.25E-04	5.81E-05
4391	438118.7	3762278	7.81E-04	1.28E-04	5.92E-05
4392	438122.4	3762287	7.95E-04	1.30E-04	6.02E-05
4393	438126.2	3762296	8.09E-04	1.32E-04	6.13E-05
4394	438129.9	3762305	8.23E-04	1.35E-04	6.24E-05
4395	438133.7	3762314	8.38E-04	1.37E-04	6.35E-05
4396	438137.4	3762323	8.53E-04	1.39E-04	6.47E-05
4397	438141.1	3762332	8.69E-04	1.42E-04	6.58E-05
4398	438144.9	3762341	8.85E-04	1.45E-04	6.70E-05
4399	438148.6	3762350	9.01E-04	1.47E-04	6.83E-05
4400	438152.4	3762359	9.18E-04	1.50E-04	6.96E-05
4401	438156.1	3762368	9.36E-04	1.53E-04	7.09E-05
4402	438159.9	3762377	9.54E-04	1.56E-04	7.23E-05
4403	438163.6	3762386	9.73E-04	1.59E-04	7.37E-05
4404	438167.4	3762395	9.92E-04	1.62E-04	7.52E-05
4405	438171.1	3762404	1.01E-03	1.65E-04	7.67E-05
4406	438174.8	3762413	1.03E-03	1.69E-04	7.82E-05
4407	438178.6	3762422	1.05E-03	1.72E-04	7.98E-05
4408	438182.3	3762431	1.08E-03	1.76E-04	8.15E-05
4409	438186.1	3762440	1.10E-03	1.79E-04	8.32E-05
4410	438189.8	3762449	1.12E-03	1.83E-04	8.50E-05
4411	438193.6	3762458	1.15E-03	1.87E-04	8.68E-05
4412	438197.3	3762467	1.17E-03	1.91E-04	8.87E-05
4413	438201.1	3762476	1.20E-03	1.95E-04	9.06E-05
4414	438204.8	3762485	1.22E-03	2.00E-04	9.26E-05

4415	438208.6	3762494	1.25E-03	2.04E-04	9.46E-05
4416	438223.5	3762530	1.36E-03	2.22E-04	1.03E-04
4417	438227.3	3762539	1.39E-03	2.27E-04	1.05E-04
4418	438231	3762548	1.42E-03	2.32E-04	1.08E-04
4419	438234.8	3762557	1.45E-03	2.37E-04	1.10E-04
4420	438238.5	3762566	1.48E-03	2.42E-04	1.12E-04
4421	438242.3	3762575	1.51E-03	2.47E-04	1.15E-04
4422	438246	3762584	1.54E-03	2.52E-04	1.17E-04
4423	437476.3	3761810	2.49E-04	4.08E-05	1.89E-05
4424	437485.3	3761813	2.53E-04	4.13E-05	1.92E-05
4425	437494.4	3761817	2.56E-04	4.18E-05	1.94E-05
4426	437503.4	3761821	2.59E-04	4.23E-05	1.96E-05
4427	437512.5	3761824	2.63E-04	4.29E-05	1.99E-05
4428	437521.5	3761828	2.66E-04	4.35E-05	2.02E-05
4429	438090.8	3762114	5.52E-04	9.02E-05	4.18E-05
4430	438094.5	3762123	5.61E-04	9.17E-05	4.25E-05
4431	438098.3	3762133	5.71E-04	9.33E-05	4.33E-05
4432	438109.5	3762160	6.01E-04	9.81E-05	4.55E-05
4433	438113.3	3762169	6.11E-04	9.98E-05	4.63E-05
4434	438117.1	3762178	6.21E-04	1.01E-04	4.71E-05
4435	438120.8	3762187	6.32E-04	1.03E-04	4.79E-05
4436	438124.6	3762196	6.42E-04	1.05E-04	4.87E-05
4437	438128.3	3762205	6.53E-04	1.07E-04	4.95E-05
4438	438132.1	3762214	6.64E-04	1.09E-04	5.03E-05
4439	438135.8	3762223	6.75E-04	1.10E-04	5.12E-05
4440	438139.6	3762232	6.87E-04	1.12E-04	5.20E-05
4441	438143.3	3762241	6.98E-04	1.14E-04	5.29E-05
4442	438147.1	3762250	7.10E-04	1.16E-04	5.38E-05
4443	438150.8	3762259	7.21E-04	1.18E-04	5.47E-05
4444	438154.6	3762268	7.33E-04	1.20E-04	5.56E-05
4445	438158.3	3762277	7.45E-04	1.22E-04	5.65E-05
4446	438162.1	3762286	7.58E-04	1.24E-04	5.74E-05
4447	438165.8	3762295	7.71E-04	1.26E-04	5.84E-05
4448	438169.6	3762304	7.84E-04	1.28E-04	5.94E-05
4449	438173.3	3762313	7.97E-04	1.30E-04	6.04E-05
4450	438177.1	3762322	8.11E-04	1.32E-04	6.14E-05
4451	438180.8	3762331	8.25E-04	1.35E-04	6.25E-05
4452	438184.6	3762340	8.40E-04	1.37E-04	6.36E-05
4453	438188.4	3762349	8.55E-04	1.40E-04	6.48E-05
4454	438192.1	3762358	8.70E-04	1.42E-04	6.59E-05
4455	438195.9	3762367	8.86E-04	1.45E-04	6.72E-05
4456	438199.6	3762376	9.03E-04	1.47E-04	6.84E-05
4457	438203.4	3762386	9.20E-04	1.50E-04	6.97E-05
4458	438207.1	3762395	9.37E-04	1.53E-04	7.10E-05
4459	438210.9	3762404	9.55E-04	1.56E-04	7.24E-05
4460	438214.6	3762413	9.74E-04	1.59E-04	7.38E-05
4461	438218.4	3762422	9.93E-04	1.62E-04	7.53E-05
4462	438222.1	3762431	1.01E-03	1.66E-04	7.68E-05
4463	438225.9	3762440	1.03E-03	1.69E-04	7.83E-05
4464	438229.6	3762449	1.06E-03	1.72E-04	7.99E-05
4465	438233.4	3762458	1.08E-03	1.76E-04	8.16E-05
4466	438237.1	3762467	1.10E-03	1.80E-04	8.33E-05

4467	438240.9	3762476	1.12E-03	1.83E-04	8.50E-05
4468	438244.6	3762485	1.15E-03	1.87E-04	8.68E-05
4469	438248.4	3762494	1.17E-03	1.91E-04	8.86E-05
4470	438300.9	3762620	1.54E-03	2.51E-04	1.16E-04
4471	438304.7	3762629	1.56E-03	2.55E-04	1.18E-04
4472	438308.4	3762639	1.59E-03	2.59E-04	1.20E-04
4473	438312.2	3762648	1.61E-03	2.63E-04	1.22E-04
4474	438315.9	3762657	1.64E-03	2.68E-04	1.24E-04
4475	438319.7	3762666	1.66E-03	2.72E-04	1.26E-04
4476	437476.2	3761770	2.33E-04	3.80E-05	1.76E-05
4477	437485.3	3761773	2.36E-04	3.85E-05	1.79E-05
4478	437494.3	3761777	2.39E-04	3.90E-05	1.81E-05
4479	437503.4	3761781	2.42E-04	3.95E-05	1.83E-05
4480	437512.5	3761784	2.45E-04	4.00E-05	1.85E-05
4481	437521.5	3761788	2.48E-04	4.05E-05	1.88E-05
4482	438126.6	3762104	5.29E-04	8.64E-05	4.01E-05
4483	438137.9	3762131	5.55E-04	9.06E-05	4.20E-05
4484	438141.6	3762141	5.64E-04	9.21E-05	4.27E-05
4485	438145.4	3762150	5.73E-04	9.35E-05	4.34E-05
4486	438149.1	3762159	5.81E-04	9.50E-05	4.41E-05
4487	438152.9	3762168	5.91E-04	9.65E-05	4.48E-05
4488	438156.7	3762177	6.00E-04	9.80E-05	4.55E-05
4489	438160.4	3762186	6.09E-04	9.95E-05	4.62E-05
4490	438164.2	3762195	6.19E-04	1.01E-04	4.69E-05
4491	438167.9	3762204	6.29E-04	1.03E-04	4.76E-05
4492	438171.7	3762213	6.39E-04	1.04E-04	4.84E-05
4493	438175.5	3762222	6.49E-04	1.06E-04	4.91E-05
4494	438179.2	3762231	6.59E-04	1.08E-04	4.99E-05
4495	438183	3762240	6.69E-04	1.09E-04	5.07E-05
4496	438186.7	3762249	6.80E-04	1.11E-04	5.15E-05
4497	438190.5	3762258	6.90E-04	1.13E-04	5.23E-05
4498	438194.3	3762267	7.01E-04	1.15E-04	5.31E-05
4499	438198	3762276	7.12E-04	1.16E-04	5.40E-05
4500	438201.8	3762285	7.23E-04	1.18E-04	5.48E-05
4501	438205.5	3762294	7.35E-04	1.20E-04	5.57E-05
4502	438209.3	3762303	7.47E-04	1.22E-04	5.66E-05
4503	438213.1	3762313	7.59E-04	1.24E-04	5.75E-05
4504	438216.8	3762322	7.72E-04	1.26E-04	5.85E-05
4505	438220.6	3762331	7.85E-04	1.28E-04	5.95E-05
4506	438224.3	3762340	7.98E-04	1.30E-04	6.05E-05
4507	438228.1	3762349	8.12E-04	1.33E-04	6.15E-05
4508	438231.9	3762358	8.26E-04	1.35E-04	6.26E-05
4509	438235.6	3762367	8.40E-04	1.37E-04	6.37E-05
4510	438239.4	3762376	8.56E-04	1.40E-04	6.48E-05
4511	438243.1	3762385	8.71E-04	1.42E-04	6.60E-05
4512	438246.9	3762394	8.87E-04	1.45E-04	6.72E-05
4513	438250.7	3762403	9.04E-04	1.48E-04	6.85E-05
4514	438254.4	3762412	9.21E-04	1.50E-04	6.98E-05
4515	438258.2	3762421	9.39E-04	1.53E-04	7.11E-05
4516	438261.9	3762430	9.57E-04	1.56E-04	7.25E-05
4517	438265.7	3762439	9.76E-04	1.59E-04	7.39E-05
4518	438269.5	3762448	9.95E-04	1.63E-04	7.54E-05

4519	438273.2	3762457	1.01E-03	1.66E-04	7.69E-05
4520	438277	3762466	1.03E-03	1.69E-04	7.84E-05
4521	438280.7	3762475	1.05E-03	1.72E-04	7.99E-05
4522	438284.5	3762485	1.08E-03	1.76E-04	8.15E-05
4523	438288.3	3762494	1.10E-03	1.79E-04	8.31E-05
4524	438303.3	3762530	1.19E-03	1.94E-04	8.99E-05
4525	438307.1	3762539	1.21E-03	1.97E-04	9.16E-05
4526	438310.8	3762548	1.23E-03	2.01E-04	9.34E-05
4527	438314.6	3762557	1.26E-03	2.05E-04	9.51E-05
4528	438318.3	3762566	1.28E-03	2.09E-04	9.69E-05
4529	438322.1	3762575	1.30E-03	2.13E-04	9.87E-05
4530	438325.9	3762584	1.33E-03	2.17E-04	1.00E-04
4531	438329.6	3762593	1.35E-03	2.20E-04	1.02E-04
4532	438340.9	3762620	1.42E-03	2.32E-04	1.08E-04
4533	438344.7	3762629	1.44E-03	2.36E-04	1.09E-04
4534	438348.4	3762638	1.46E-03	2.39E-04	1.11E-04
4535	438128.5	3762013	4.43E-04	7.24E-05	3.36E-05
4536	438132.3	3762022	4.50E-04	7.35E-05	3.41E-05
4537	438136	3762031	4.56E-04	7.46E-05	3.46E-05
4538	438166.2	3762103	5.15E-04	8.41E-05	3.90E-05
4539	438169.9	3762112	5.22E-04	8.54E-05	3.96E-05
4540	438173.7	3762121	5.30E-04	8.66E-05	4.02E-05
4541	438177.5	3762131	5.38E-04	8.79E-05	4.08E-05
4542	438181.2	3762140	5.46E-04	8.92E-05	4.14E-05
4543	438185	3762149	5.54E-04	9.05E-05	4.20E-05
4544	438188.8	3762158	5.62E-04	9.18E-05	4.26E-05
4545	438192.5	3762167	5.70E-04	9.32E-05	4.32E-05
4546	438196.3	3762176	5.79E-04	9.46E-05	4.39E-05
4547	438200.1	3762185	5.87E-04	9.59E-05	4.45E-05
4548	438203.8	3762194	5.96E-04	9.73E-05	4.52E-05
4549	438207.6	3762203	6.05E-04	9.88E-05	4.58E-05
4550	438211.4	3762212	6.14E-04	1.00E-04	4.65E-05
4551	438215.1	3762221	6.23E-04	1.02E-04	4.72E-05
4552	438218.9	3762230	6.32E-04	1.03E-04	4.79E-05
4553	438222.7	3762239	6.41E-04	1.05E-04	4.86E-05
4554	438226.4	3762248	6.51E-04	1.06E-04	4.93E-05
4555	438230.2	3762258	6.60E-04	1.08E-04	5.00E-05
4556	438234	3762267	6.70E-04	1.10E-04	5.08E-05
4557	438237.7	3762276	6.80E-04	1.11E-04	5.16E-05
4558	438241.5	3762285	6.91E-04	1.13E-04	5.23E-05
4559	438245.3	3762294	7.02E-04	1.15E-04	5.32E-05
4560	438249	3762303	7.12E-04	1.16E-04	5.40E-05
4561	438252.8	3762312	7.24E-04	1.18E-04	5.48E-05
4562	438256.6	3762321	7.35E-04	1.20E-04	5.57E-05
4563	438260.3	3762330	7.47E-04	1.22E-04	5.66E-05
4564	438264.1	3762339	7.59E-04	1.24E-04	5.75E-05
4565	438267.9	3762348	7.72E-04	1.26E-04	5.85E-05
4566	438271.6	3762357	7.85E-04	1.28E-04	5.95E-05
4567	438275.4	3762366	7.98E-04	1.30E-04	6.05E-05
4568	438279.2	3762375	8.12E-04	1.33E-04	6.16E-05
4569	438282.9	3762384	8.27E-04	1.35E-04	6.27E-05
4570	438286.7	3762394	8.42E-04	1.38E-04	6.38E-05

4571	438290.5	3762403	8.57E-04	1.40E-04	6.49E-05
4572	438294.2	3762412	8.73E-04	1.43E-04	6.61E-05
4573	438298	3762421	8.89E-04	1.45E-04	6.74E-05
4574	438301.8	3762430	9.05E-04	1.48E-04	6.86E-05
4575	438313.1	3762457	9.57E-04	1.56E-04	7.26E-05
4576	438316.8	3762466	9.76E-04	1.59E-04	7.39E-05
4577	438320.6	3762475	9.94E-04	1.62E-04	7.53E-05
4578	438324.4	3762484	1.01E-03	1.65E-04	7.68E-05
4579	438328.1	3762493	1.03E-03	1.69E-04	7.82E-05
4580	438331.9	3762502	1.05E-03	1.72E-04	7.97E-05
4581	438343.2	3762530	1.11E-03	1.82E-04	8.42E-05
4582	438347	3762539	1.13E-03	1.85E-04	8.57E-05
4583	438350.7	3762548	1.15E-03	1.88E-04	8.73E-05
4584	438388.4	3762638	1.36E-03	2.21E-04	1.03E-04
4585	438392.2	3762647	1.38E-03	2.25E-04	1.04E-04
4586	438395.9	3762657	1.39E-03	2.28E-04	1.06E-04
4587	438399.7	3762666	1.41E-03	2.31E-04	1.07E-04
4588	438156.7	3761984	4.16E-04	6.79E-05	3.15E-05
4589	438160.5	3761993	4.22E-04	6.89E-05	3.20E-05
4590	438164.3	3762003	4.28E-04	6.99E-05	3.24E-05
4591	438175.6	3762030	4.46E-04	7.29E-05	3.38E-05
4592	438179.4	3762039	4.53E-04	7.40E-05	3.43E-05
4593	438205.8	3762102	5.00E-04	8.17E-05	3.79E-05
4594	438209.6	3762112	5.07E-04	8.28E-05	3.84E-05
4595	438213.3	3762121	5.14E-04	8.40E-05	3.90E-05
4596	438217.1	3762130	5.21E-04	8.52E-05	3.95E-05
4597	438220.9	3762139	5.29E-04	8.63E-05	4.01E-05
4598	438224.7	3762148	5.36E-04	8.75E-05	4.06E-05
4599	438228.4	3762157	5.43E-04	8.87E-05	4.12E-05
4600	438232.2	3762166	5.51E-04	9.00E-05	4.17E-05
4601	438236	3762175	5.58E-04	9.12E-05	4.23E-05
4602	438239.7	3762184	5.66E-04	9.25E-05	4.29E-05
4603	438243.5	3762193	5.74E-04	9.37E-05	4.35E-05
4604	438247.3	3762202	5.82E-04	9.50E-05	4.41E-05
4605	438251.1	3762211	5.90E-04	9.64E-05	4.47E-05
4606	438254.8	3762221	5.98E-04	9.77E-05	4.53E-05
4607	438258.6	3762230	6.07E-04	9.91E-05	4.60E-05
4608	438262.4	3762239	6.15E-04	1.00E-04	4.66E-05
4609	438266.1	3762248	6.24E-04	1.02E-04	4.73E-05
4610	438269.9	3762257	6.33E-04	1.03E-04	4.79E-05
4611	438273.7	3762266	6.42E-04	1.05E-04	4.86E-05
4612	438277.5	3762275	6.51E-04	1.06E-04	4.93E-05
4613	438281.2	3762284	6.61E-04	1.08E-04	5.01E-05
4614	438285	3762293	6.70E-04	1.10E-04	5.08E-05
4615	438288.8	3762302	6.80E-04	1.11E-04	5.16E-05
4616	438292.6	3762311	6.91E-04	1.13E-04	5.23E-05
4617	438296.3	3762320	7.01E-04	1.15E-04	5.31E-05
4618	438300.1	3762330	7.12E-04	1.16E-04	5.40E-05
4619	438303.9	3762339	7.24E-04	1.18E-04	5.48E-05
4620	438307.6	3762348	7.35E-04	1.20E-04	5.57E-05
4621	438311.4	3762357	7.48E-04	1.22E-04	5.66E-05
4622	438326.5	3762393	8.00E-04	1.31E-04	6.06E-05

4623	438330.3	3762402	8.14E-04	1.33E-04	6.17E-05
4624	438334.1	3762411	8.28E-04	1.35E-04	6.28E-05
4625	438337.8	3762420	8.43E-04	1.38E-04	6.39E-05
4626	438341.6	3762429	8.58E-04	1.40E-04	6.50E-05
4627	438352.9	3762457	9.05E-04	1.48E-04	6.86E-05
4628	438390.6	3762547	1.08E-03	1.76E-04	8.18E-05
4629	438394.4	3762557	1.10E-03	1.79E-04	8.32E-05
4630	438398.2	3762566	1.12E-03	1.82E-04	8.46E-05
4631	438402	3762575	1.13E-03	1.85E-04	8.59E-05
4632	438405.7	3762584	1.15E-03	1.88E-04	8.73E-05
4633	438409.5	3762593	1.17E-03	1.91E-04	8.87E-05
4634	438413.3	3762602	1.19E-03	1.94E-04	9.00E-05
4635	438417	3762611	1.21E-03	1.97E-04	9.14E-05
4636	438420.8	3762620	1.22E-03	2.00E-04	9.27E-05
4637	438424.6	3762629	1.24E-03	2.03E-04	9.41E-05
4638	438428.4	3762638	1.26E-03	2.06E-04	9.54E-05
4639	438432.1	3762647	1.28E-03	2.08E-04	9.67E-05
4640	438435.9	3762656	1.29E-03	2.11E-04	9.79E-05
4641	438439.7	3762666	1.31E-03	2.14E-04	9.92E-05
4642	437384	3762675	2.11E-02	3.44E-03	1.60E-03
4643	437384	3762691	2.95E-02	4.82E-03	2.24E-03
4644	437376.9	3762668	1.75E-02	2.86E-03	1.33E-03
4645	437374	3762683	2.25E-02	3.68E-03	1.71E-03
4646	437366.9	3762668	1.62E-02	2.64E-03	1.22E-03
4647	437379.8	3762651	1.36E-02	2.22E-03	1.03E-03
4648	437364	3762683	2.03E-02	3.32E-03	1.54E-03
4649	437356.9	3762668	1.48E-02	2.43E-03	1.13E-03
4650	437362.7	3762654	1.27E-02	2.07E-03	9.59E-04
4651	437372.7	3762644	1.17E-02	1.92E-03	8.90E-04
4652	437354	3762683	1.83E-02	2.99E-03	1.39E-03
4653	437354	3762699	2.42E-02	3.95E-03	1.83E-03
4654	437346.9	3762668	1.36E-02	2.23E-03	1.03E-03
4655	437352.7	3762654	1.18E-02	1.92E-03	8.93E-04
4656	437365.6	3762637	1.03E-02	1.68E-03	7.77E-04
4657	437379.7	3762631	1.03E-02	1.68E-03	7.78E-04
4658	437344	3762683	1.64E-02	2.68E-03	1.25E-03
4659	437344	3762699	2.10E-02	3.43E-03	1.59E-03
4660	437336.9	3762668	1.25E-02	2.04E-03	9.45E-04
4661	437342.7	3762654	1.10E-02	1.79E-03	8.30E-04
4662	437348.6	3762640	9.61E-03	1.57E-03	7.28E-04
4663	437358.5	3762630	9.04E-03	1.48E-03	6.85E-04
4664	437372.6	3762624	9.06E-03	1.48E-03	6.87E-04
4665	437334	3762683	1.47E-02	2.41E-03	1.12E-03
4666	437326.9	3762668	1.14E-02	1.86E-03	8.65E-04
4667	437332.7	3762654	1.02E-02	1.66E-03	7.70E-04
4668	437338.6	3762640	9.02E-03	1.47E-03	6.84E-04
4669	437351.4	3762623	8.03E-03	1.31E-03	6.08E-04
4670	437365.5	3762617	8.06E-03	1.32E-03	6.10E-04
4671	437379.6	3762611	8.02E-03	1.31E-03	6.08E-04
4672	437324	3762683	1.32E-02	2.16E-03	1.00E-03
4673	437316.9	3762668	1.04E-02	1.71E-03	7.91E-04
4674	437322.7	3762654	9.43E-03	1.54E-03	7.14E-04

4675	437328.6	3762640	8.46E-03	1.38E-03	6.41E-04
4676	437334.4	3762625	7.56E-03	1.23E-03	5.73E-04
4677	437344.4	3762615	7.18E-03	1.17E-03	5.44E-04
4678	437358.4	3762610	7.21E-03	1.18E-03	5.46E-04
4679	437372.5	3762604	7.19E-03	1.17E-03	5.45E-04
4680	437314	3762683	1.19E-02	1.94E-03	9.02E-04
4681	437306.9	3762668	9.56E-03	1.56E-03	7.25E-04
4682	437312.7	3762654	8.74E-03	1.43E-03	6.62E-04
4683	437318.6	3762640	7.92E-03	1.29E-03	6.00E-04
4684	437324.4	3762625	7.14E-03	1.17E-03	5.41E-04
4685	437337.3	3762608	6.46E-03	1.06E-03	4.89E-04
4686	437351.4	3762603	6.49E-03	1.06E-03	4.92E-04
4687	437365.5	3762597	6.48E-03	1.06E-03	4.91E-04
4688	437379.5	3762591	6.42E-03	1.05E-03	4.87E-04
4689	437304	3762683	1.08E-02	1.76E-03	8.15E-04
4690	437296.9	3762668	8.77E-03	1.43E-03	6.64E-04
4691	437302.7	3762654	8.09E-03	1.32E-03	6.13E-04
4692	437308.6	3762640	7.41E-03	1.21E-03	5.61E-04
4693	437314.4	3762625	6.74E-03	1.10E-03	5.11E-04
4694	437320.2	3762611	6.11E-03	9.98E-04	4.63E-04
4695	437330.2	3762601	5.84E-03	9.54E-04	4.43E-04
4696	437344.3	3762595	5.88E-03	9.60E-04	4.45E-04
4697	437358.4	3762590	5.87E-03	9.59E-04	4.45E-04
4698	437372.5	3762584	5.83E-03	9.52E-04	4.41E-04
4699	437294	3762683	9.75E-03	1.59E-03	7.39E-04
4700	437276.9	3762668	7.41E-03	1.21E-03	5.61E-04
4701	437282.7	3762654	6.94E-03	1.13E-03	5.26E-04
4702	437288.6	3762640	6.47E-03	1.06E-03	4.90E-04
4703	437294.4	3762625	5.98E-03	9.77E-04	4.53E-04
4704	437300.2	3762611	5.50E-03	8.99E-04	4.17E-04
4705	437306.1	3762597	5.04E-03	8.23E-04	3.82E-04
4706	437316	3762587	4.85E-03	7.92E-04	3.68E-04
4707	437330.1	3762581	4.88E-03	7.97E-04	3.70E-04
4708	437344.2	3762575	4.88E-03	7.98E-04	3.70E-04
4709	437358.3	3762570	4.86E-03	7.93E-04	3.68E-04
4710	437372.4	3762564	4.80E-03	7.85E-04	3.64E-04
4711	437274	3762683	8.11E-03	1.32E-03	6.15E-04
4712	437256.9	3762668	6.33E-03	1.03E-03	4.80E-04
4713	437262.7	3762654	6.00E-03	9.80E-04	4.55E-04
4714	437268.6	3762640	5.65E-03	9.24E-04	4.28E-04
4715	437274.4	3762625	5.30E-03	8.65E-04	4.01E-04
4716	437280.2	3762611	4.94E-03	8.06E-04	3.74E-04
4717	437301.8	3762573	4.09E-03	6.68E-04	3.10E-04
4718	437315.9	3762567	4.12E-03	6.73E-04	3.12E-04
4719	437330	3762561	4.13E-03	6.74E-04	3.13E-04
4720	437344.1	3762555	4.11E-03	6.71E-04	3.11E-04
4721	437358.2	3762550	4.07E-03	6.65E-04	3.09E-04
4722	437372.3	3762544	4.02E-03	6.56E-04	3.04E-04
4723	437254	3762683	6.83E-03	1.12E-03	5.18E-04
4724	437236.9	3762668	5.48E-03	8.96E-04	4.16E-04
4725	437242.7	3762654	5.23E-03	8.54E-04	3.96E-04
4726	437248.6	3762640	4.97E-03	8.11E-04	3.76E-04

4727	437254.4	3762625	4.70E-03	7.68E-04	3.56E-04
4728	437260.2	3762611	4.42E-03	7.23E-04	3.35E-04
4729	437287.7	3762559	3.49E-03	5.71E-04	2.65E-04
4730	437301.8	3762553	3.52E-03	5.75E-04	2.67E-04
4731	437315.9	3762547	3.53E-03	5.77E-04	2.68E-04
4732	437330	3762541	3.52E-03	5.75E-04	2.67E-04
4733	437344	3762535	3.49E-03	5.71E-04	2.65E-04
4734	437358.1	3762530	3.45E-03	5.64E-04	2.62E-04
4735	437372.2	3762524	3.40E-03	5.56E-04	2.58E-04
4736	437234	3762683	5.87E-03	9.59E-04	4.45E-04
4737	437216.9	3762668	4.79E-03	7.82E-04	3.63E-04
4738	437222.7	3762654	4.60E-03	7.52E-04	3.49E-04
4739	437228.6	3762640	4.40E-03	7.19E-04	3.33E-04
4740	437234.4	3762625	4.19E-03	6.85E-04	3.18E-04
4741	437240.2	3762611	3.98E-03	6.50E-04	3.01E-04
4742	437287.6	3762539	3.04E-03	4.97E-04	2.31E-04
4743	437301.7	3762533	3.05E-03	4.99E-04	2.31E-04
4744	437315.8	3762527	3.05E-03	4.98E-04	2.31E-04
4745	437329.9	3762521	3.03E-03	4.95E-04	2.30E-04
4746	437344	3762515	3.00E-03	4.90E-04	2.27E-04
4747	437358.1	3762510	2.96E-03	4.83E-04	2.24E-04
4748	437372.2	3762504	2.91E-03	4.75E-04	2.21E-04
4749	437214	3762683	5.07E-03	8.28E-04	3.84E-04
4750	437196.9	3762668	4.19E-03	6.85E-04	3.18E-04
4751	437202.7	3762654	4.06E-03	6.63E-04	3.08E-04
4752	437208.6	3762640	3.91E-03	6.38E-04	2.96E-04
4753	437214.4	3762625	3.75E-03	6.12E-04	2.84E-04
4754	437220.2	3762611	3.58E-03	5.85E-04	2.71E-04
4755	437259.3	3762531	2.64E-03	4.31E-04	2.00E-04
4756	437273.4	3762525	2.66E-03	4.34E-04	2.01E-04
4757	437287.5	3762519	2.67E-03	4.36E-04	2.02E-04
4758	437301.6	3762513	2.66E-03	4.35E-04	2.02E-04
4759	437315.7	3762507	2.65E-03	4.33E-04	2.01E-04
4760	437329.8	3762501	2.63E-03	4.29E-04	1.99E-04
4761	437343.9	3762495	2.60E-03	4.24E-04	1.97E-04
4762	437358	3762490	2.56E-03	4.18E-04	1.94E-04
4763	437372.1	3762484	2.52E-03	4.11E-04	1.91E-04
4764	437194	3762683	4.41E-03	7.20E-04	3.34E-04
4765	437200.2	3762611	3.23E-03	5.27E-04	2.45E-04
4766	437229.4	3762541	2.52E-03	4.12E-04	1.91E-04
4767	437235.2	3762527	2.38E-03	3.89E-04	1.80E-04
4768	437245.2	3762517	2.32E-03	3.79E-04	1.76E-04
4769	437259.3	3762511	2.34E-03	3.83E-04	1.77E-04
4770	437273.4	3762505	2.35E-03	3.84E-04	1.78E-04
4771	437287.4	3762499	2.35E-03	3.84E-04	1.78E-04
4772	437301.5	3762493	2.34E-03	3.82E-04	1.77E-04
4773	437315.6	3762487	2.32E-03	3.79E-04	1.76E-04
4774	437329.7	3762481	2.30E-03	3.75E-04	1.74E-04
4775	437343.8	3762475	2.27E-03	3.70E-04	1.72E-04
4776	437357.9	3762470	2.23E-03	3.65E-04	1.69E-04
4777	437372	3762464	2.19E-03	3.58E-04	1.66E-04
4778	437209.4	3762541	2.35E-03	3.83E-04	1.78E-04

4779	437215.2	3762527	2.23E-03	3.64E-04	1.69E-04
4780	437221	3762513	2.11E-03	3.45E-04	1.60E-04
4781	437231	3762503	2.06E-03	3.37E-04	1.56E-04
4782	437245.1	3762497	2.08E-03	3.40E-04	1.58E-04
4783	437259.2	3762491	2.09E-03	3.41E-04	1.58E-04
4784	437273.3	3762485	2.09E-03	3.41E-04	1.58E-04
4785	437287.4	3762479	2.08E-03	3.40E-04	1.58E-04
4786	437301.5	3762473	2.07E-03	3.38E-04	1.57E-04
4787	437315.6	3762467	2.05E-03	3.34E-04	1.55E-04
4788	437329.6	3762461	2.02E-03	3.30E-04	1.53E-04
4789	437343.7	3762455	1.99E-03	3.26E-04	1.51E-04
4790	437357.8	3762450	1.96E-03	3.20E-04	1.49E-04
4791	437371.9	3762444	1.93E-03	3.15E-04	1.46E-04
4792	437137	3762668	2.93E-03	4.78E-04	2.22E-04
4793	437143.1	3762653	2.86E-03	4.68E-04	2.17E-04
4794	437191.6	3762535	2.14E-03	3.50E-04	1.62E-04
4795	437197.7	3762521	2.04E-03	3.33E-04	1.54E-04
4796	437203.7	3762506	1.94E-03	3.16E-04	1.47E-04
4797	437217.1	3762488	1.84E-03	3.01E-04	1.40E-04
4798	437231.8	3762482	1.86E-03	3.04E-04	1.41E-04
4799	437246.4	3762476	1.87E-03	3.05E-04	1.41E-04
4800	437261.1	3762470	1.87E-03	3.05E-04	1.42E-04
4801	437275.7	3762464	1.86E-03	3.04E-04	1.41E-04
4802	437290.4	3762458	1.85E-03	3.02E-04	1.40E-04
4803	437305	3762452	1.83E-03	2.99E-04	1.39E-04
4804	437319.7	3762445	1.81E-03	2.95E-04	1.37E-04
4805	437334.4	3762439	1.78E-03	2.91E-04	1.35E-04
4806	437349	3762433	1.75E-03	2.86E-04	1.33E-04
4807	437363.7	3762427	1.72E-03	2.81E-04	1.30E-04
4808	437378.3	3762421	1.69E-03	2.76E-04	1.28E-04
4809	437134	3762683	3.03E-03	4.96E-04	2.30E-04
4810	437134	3762699	3.19E-03	5.21E-04	2.42E-04
4811	437117	3762668	2.63E-03	4.29E-04	1.99E-04
4812	437123.1	3762653	2.58E-03	4.21E-04	1.95E-04
4813	437129.1	3762638	2.52E-03	4.11E-04	1.91E-04
4814	437135.1	3762624	2.45E-03	4.01E-04	1.86E-04
4815	437141.2	3762609	2.39E-03	3.90E-04	1.81E-04
4816	437147.2	3762594	2.31E-03	3.78E-04	1.75E-04
4817	437189.6	3762492	1.73E-03	2.83E-04	1.31E-04
4818	437202.9	3762474	1.66E-03	2.71E-04	1.26E-04
4819	437217.5	3762468	1.67E-03	2.73E-04	1.27E-04
4820	437232.2	3762462	1.68E-03	2.74E-04	1.27E-04
4821	437246.8	3762456	1.68E-03	2.74E-04	1.27E-04
4822	437261.4	3762450	1.68E-03	2.74E-04	1.27E-04
4823	437276	3762444	1.67E-03	2.72E-04	1.26E-04
4824	437290.6	3762438	1.65E-03	2.70E-04	1.25E-04
4825	437305.2	3762431	1.63E-03	2.67E-04	1.24E-04
4826	437319.8	3762425	1.61E-03	2.63E-04	1.22E-04
4827	437334.5	3762419	1.59E-03	2.59E-04	1.20E-04
4828	437349.1	3762413	1.56E-03	2.55E-04	1.18E-04
4829	437363.7	3762407	1.53E-03	2.50E-04	1.16E-04
4830	437378.3	3762401	1.51E-03	2.46E-04	1.14E-04

4831	437114	3762683	2.71E-03	4.43E-04	2.06E-04
4832	437114	3762699	2.84E-03	4.64E-04	2.15E-04
4833	437097	3762668	2.37E-03	3.87E-04	1.80E-04
4834	437103	3762653	2.33E-03	3.81E-04	1.77E-04
4835	437109.1	3762638	2.29E-03	3.73E-04	1.73E-04
4836	437115.1	3762624	2.23E-03	3.65E-04	1.69E-04
4837	437121.1	3762609	2.18E-03	3.56E-04	1.65E-04
4838	437127.2	3762595	2.12E-03	3.46E-04	1.60E-04
4839	437133.2	3762580	2.06E-03	3.36E-04	1.56E-04
4840	437139.2	3762565	1.99E-03	3.25E-04	1.51E-04
4841	437145.3	3762551	1.92E-03	3.14E-04	1.46E-04
4842	437188.7	3762460	1.50E-03	2.45E-04	1.14E-04
4843	437203.3	3762454	1.51E-03	2.47E-04	1.14E-04
4844	437217.9	3762448	1.52E-03	2.48E-04	1.15E-04
4845	437232.5	3762442	1.52E-03	2.48E-04	1.15E-04
4846	437247	3762436	1.52E-03	2.48E-04	1.15E-04
4847	437261.6	3762430	1.51E-03	2.47E-04	1.14E-04
4848	437276.2	3762424	1.50E-03	2.45E-04	1.14E-04
4849	437290.8	3762417	1.48E-03	2.42E-04	1.12E-04
4850	437305.4	3762411	1.46E-03	2.39E-04	1.11E-04
4851	437319.9	3762405	1.44E-03	2.36E-04	1.09E-04
4852	437334.5	3762399	1.42E-03	2.32E-04	1.08E-04
4853	437349.1	3762393	1.40E-03	2.28E-04	1.06E-04
4854	437363.7	3762387	1.37E-03	2.24E-04	1.04E-04
4855	437378.3	3762381	1.35E-03	2.20E-04	1.02E-04
4856	437094	3762683	2.44E-03	3.99E-04	1.85E-04
4857	437094	3762699	2.55E-03	4.16E-04	1.93E-04
4858	437067	3762668	2.05E-03	3.35E-04	1.55E-04
4859	437073	3762653	2.02E-03	3.30E-04	1.53E-04
4860	437079	3762638	1.99E-03	3.25E-04	1.51E-04
4861	437085	3762624	1.95E-03	3.19E-04	1.48E-04
4862	437091	3762609	1.91E-03	3.12E-04	1.45E-04
4863	437097.1	3762595	1.86E-03	3.04E-04	1.41E-04
4864	437103.1	3762580	1.81E-03	2.96E-04	1.38E-04
4865	437109.1	3762566	1.77E-03	2.88E-04	1.34E-04
4866	437115.1	3762551	1.71E-03	2.80E-04	1.30E-04
4867	437121.1	3762537	1.66E-03	2.72E-04	1.26E-04
4868	437127.1	3762522	1.61E-03	2.63E-04	1.22E-04
4869	437133.1	3762507	1.55E-03	2.53E-04	1.18E-04
4870	437139.1	3762493	1.49E-03	2.44E-04	1.13E-04
4871	437182	3762433	1.31E-03	2.14E-04	9.95E-05
4872	437196.5	3762427	1.32E-03	2.15E-04	9.99E-05
4873	437211.1	3762421	1.32E-03	2.16E-04	1.00E-04
4874	437225.6	3762415	1.32E-03	2.16E-04	1.00E-04
4875	437240.1	3762409	1.31E-03	2.15E-04	9.95E-05
4876	437254.7	3762403	1.30E-03	2.13E-04	9.88E-05
4877	437269.2	3762396	1.29E-03	2.11E-04	9.79E-05
4878	437283.7	3762390	1.28E-03	2.09E-04	9.69E-05
4879	437298.3	3762384	1.26E-03	2.06E-04	9.56E-05
4880	437312.8	3762378	1.24E-03	2.03E-04	9.42E-05
4881	437327.3	3762372	1.22E-03	2.00E-04	9.27E-05
4882	437341.9	3762366	1.20E-03	1.97E-04	9.12E-05

4883	437356.4	3762360	1.18E-03	1.93E-04	8.97E-05
4884	437370.9	3762354	1.16E-03	1.90E-04	8.82E-05
4885	437064	3762683	2.10E-03	3.43E-04	1.59E-04
4886	437064	3762699	2.18E-03	3.56E-04	1.65E-04
4887	437037	3762668	1.79E-03	2.92E-04	1.35E-04
4888	437043	3762653	1.77E-03	2.89E-04	1.34E-04
4889	437049	3762639	1.74E-03	2.85E-04	1.32E-04
4890	437055	3762624	1.72E-03	2.80E-04	1.30E-04
4891	437061	3762610	1.68E-03	2.75E-04	1.28E-04
4892	437067	3762595	1.65E-03	2.69E-04	1.25E-04
4893	437073	3762580	1.61E-03	2.63E-04	1.22E-04
4894	437079	3762566	1.57E-03	2.56E-04	1.19E-04
4895	437085	3762551	1.53E-03	2.50E-04	1.16E-04
4896	437091	3762537	1.49E-03	2.43E-04	1.13E-04
4897	437097	3762522	1.45E-03	2.37E-04	1.10E-04
4898	437103	3762508	1.41E-03	2.30E-04	1.07E-04
4899	437109	3762493	1.36E-03	2.23E-04	1.03E-04
4900	437126.9	3762450	1.23E-03	2.01E-04	9.31E-05
4901	437132.9	3762435	1.18E-03	1.93E-04	8.97E-05
4902	437146.2	3762418	1.14E-03	1.87E-04	8.66E-05
4903	437189.7	3762400	1.16E-03	1.89E-04	8.77E-05
4904	437204.2	3762394	1.16E-03	1.89E-04	8.77E-05
4905	437218.7	3762387	1.15E-03	1.88E-04	8.74E-05
4906	437233.2	3762381	1.15E-03	1.87E-04	8.69E-05
4907	437247.7	3762375	1.14E-03	1.86E-04	8.62E-05
4908	437262.1	3762369	1.13E-03	1.84E-04	8.53E-05
4909	437276.6	3762363	1.11E-03	1.82E-04	8.43E-05
4910	437291.1	3762357	1.10E-03	1.79E-04	8.32E-05
4911	437305.6	3762351	1.08E-03	1.77E-04	8.20E-05
4912	437320.1	3762345	1.06E-03	1.74E-04	8.07E-05
4913	437334.6	3762339	1.05E-03	1.71E-04	7.94E-05
4914	437349.1	3762333	1.03E-03	1.68E-04	7.81E-05
4915	437363.6	3762327	1.02E-03	1.66E-04	7.69E-05
4916	437378.1	3762321	1.00E-03	1.63E-04	7.57E-05
4917	437034	3762683	1.83E-03	2.99E-04	1.38E-04
4918	437034	3762699	1.89E-03	3.09E-04	1.43E-04
4919	437007	3762668	1.57E-03	2.57E-04	1.19E-04
4920	437013	3762653	1.56E-03	2.55E-04	1.18E-04
4921	437018.9	3762639	1.54E-03	2.52E-04	1.17E-04
4922	437024.9	3762624	1.52E-03	2.48E-04	1.15E-04
4923	437030.9	3762610	1.49E-03	2.44E-04	1.13E-04
4924	437036.9	3762595	1.47E-03	2.40E-04	1.11E-04
4925	437042.9	3762581	1.43E-03	2.34E-04	1.09E-04
4926	437048.9	3762566	1.40E-03	2.28E-04	1.06E-04
4927	437054.9	3762552	1.37E-03	2.23E-04	1.04E-04
4928	437060.8	3762537	1.34E-03	2.18E-04	1.01E-04
4929	437066.8	3762523	1.31E-03	2.13E-04	9.89E-05
4930	437072.8	3762508	1.27E-03	2.08E-04	9.65E-05
4931	437078.8	3762494	1.24E-03	2.02E-04	9.39E-05
4932	437096.7	3762450	1.13E-03	1.85E-04	8.59E-05
4933	437102.7	3762436	1.10E-03	1.79E-04	8.32E-05
4934	437108.7	3762421	1.06E-03	1.73E-04	8.05E-05

4935	437114.7	3762407	1.02E-03	1.67E-04	7.76E-05
4936	437124.9	3762397	1.01E-03	1.65E-04	7.65E-05
4937	437139.4	3762391	1.02E-03	1.66E-04	7.70E-05
4938	437182.8	3762372	1.02E-03	1.67E-04	7.75E-05
4939	437197.2	3762366	1.02E-03	1.67E-04	7.74E-05
4940	437211.7	3762360	1.01E-03	1.66E-04	7.68E-05
4941	437226.2	3762354	1.01E-03	1.65E-04	7.63E-05
4942	437240.6	3762348	9.99E-04	1.63E-04	7.57E-05
4943	437255.1	3762342	9.89E-04	1.62E-04	7.49E-05
4944	437269.5	3762336	9.77E-04	1.60E-04	7.40E-05
4945	437284	3762330	9.64E-04	1.57E-04	7.30E-05
4946	437298.5	3762324	9.50E-04	1.55E-04	7.20E-05
4947	437312.9	3762318	9.35E-04	1.53E-04	7.09E-05
4948	437327.4	3762312	9.21E-04	1.50E-04	6.98E-05
4949	437341.9	3762306	9.07E-04	1.48E-04	6.87E-05
4950	437356.3	3762300	8.93E-04	1.46E-04	6.77E-05
4951	437370.8	3762294	8.80E-04	1.44E-04	6.67E-05
4952	437004	3762683	1.60E-03	2.62E-04	1.22E-04
4953	437004	3762699	1.65E-03	2.70E-04	1.25E-04
4954	436977	3762668	1.40E-03	2.28E-04	1.06E-04
4955	436982.9	3762653	1.39E-03	2.27E-04	1.05E-04
4956	436988.9	3762639	1.37E-03	2.24E-04	1.04E-04
4957	436994.9	3762624	1.36E-03	2.21E-04	1.03E-04
4958	437000.9	3762610	1.34E-03	2.18E-04	1.01E-04
4959	437006.8	3762595	1.31E-03	2.15E-04	9.95E-05
4960	437012.8	3762581	1.29E-03	2.10E-04	9.76E-05
4961	437018.8	3762566	1.26E-03	2.06E-04	9.55E-05
4962	437024.8	3762552	1.23E-03	2.02E-04	9.35E-05
4963	437030.7	3762537	1.21E-03	1.97E-04	9.15E-05
4964	437036.7	3762523	1.18E-03	1.93E-04	8.95E-05
4965	437042.7	3762509	1.15E-03	1.89E-04	8.75E-05
4966	437048.6	3762494	1.13E-03	1.84E-04	8.55E-05
4967	437066.6	3762451	1.04E-03	1.70E-04	7.90E-05
4968	437072.5	3762436	1.02E-03	1.66E-04	7.69E-05
4969	437078.5	3762422	9.87E-04	1.61E-04	7.48E-05
4970	437084.5	3762407	9.57E-04	1.56E-04	7.25E-05
4971	437090.5	3762393	9.26E-04	1.51E-04	7.01E-05
4972	437103.6	3762375	8.98E-04	1.47E-04	6.81E-05
4973	437118.1	3762369	9.05E-04	1.48E-04	6.86E-05
4974	437132.5	3762363	9.07E-04	1.48E-04	6.87E-05
4975	437147	3762357	9.09E-04	1.48E-04	6.89E-05
4976	437190.3	3762339	9.04E-04	1.48E-04	6.85E-05
4977	437204.7	3762333	9.00E-04	1.47E-04	6.82E-05
4978	437219.1	3762327	8.93E-04	1.46E-04	6.77E-05
4979	437233.6	3762321	8.85E-04	1.45E-04	6.70E-05
4980	437248	3762315	8.75E-04	1.43E-04	6.63E-05
4981	437262.4	3762309	8.64E-04	1.41E-04	6.55E-05
4982	437276.9	3762303	8.53E-04	1.39E-04	6.46E-05
4983	437291.3	3762297	8.41E-04	1.37E-04	6.37E-05
4984	437305.8	3762291	8.28E-04	1.35E-04	6.28E-05
4985	437320.2	3762285	8.16E-04	1.33E-04	6.18E-05
4986	437334.6	3762279	8.04E-04	1.31E-04	6.09E-05

4987	437349.1	3762273	7.93E-04	1.29E-04	6.01E-05
4988	437363.5	3762267	7.82E-04	1.28E-04	5.92E-05
4989	437377.9	3762261	7.71E-04	1.26E-04	5.85E-05
4990	436974	3762683	1.42E-03	2.32E-04	1.08E-04
4991	436974	3762699	1.46E-03	2.38E-04	1.11E-04
4992	436947	3762668	1.25E-03	2.04E-04	9.46E-05
4993	436952.9	3762653	1.24E-03	2.03E-04	9.41E-05
4994	436958.9	3762639	1.23E-03	2.01E-04	9.33E-05
4995	436964.9	3762624	1.22E-03	1.99E-04	9.23E-05
4996	436970.8	3762610	1.20E-03	1.96E-04	9.11E-05
4997	436976.8	3762595	1.18E-03	1.93E-04	8.97E-05
4998	436982.7	3762581	1.16E-03	1.90E-04	8.82E-05
4999	436988.7	3762567	1.14E-03	1.87E-04	8.66E-05
5000	436994.7	3762552	1.12E-03	1.83E-04	8.49E-05
5001	437000.6	3762538	1.10E-03	1.79E-04	8.31E-05
5002	437006.6	3762523	1.08E-03	1.76E-04	8.15E-05
5003	437012.6	3762509	1.05E-03	1.72E-04	7.98E-05
5004	437018.5	3762494	1.03E-03	1.68E-04	7.80E-05
5005	437036.4	3762451	9.60E-04	1.57E-04	7.27E-05
5006	437042.4	3762437	9.38E-04	1.53E-04	7.11E-05
5007	437048.3	3762422	9.16E-04	1.50E-04	6.94E-05
5008	437054.3	3762408	8.92E-04	1.46E-04	6.76E-05
5009	437060.3	3762393	8.67E-04	1.42E-04	6.57E-05
5010	437066.2	3762379	8.41E-04	1.37E-04	6.37E-05
5011	437072.2	3762364	8.14E-04	1.33E-04	6.17E-05
5012	437082.4	3762354	8.03E-04	1.31E-04	6.08E-05
5013	437096.8	3762348	8.07E-04	1.32E-04	6.12E-05
5014	437111.2	3762342	8.10E-04	1.32E-04	6.14E-05
5015	437125.6	3762336	8.10E-04	1.32E-04	6.14E-05
5016	437140	3762330	8.11E-04	1.32E-04	6.14E-05
5017	437183.3	3762312	8.08E-04	1.32E-04	6.13E-05
5018	437197.7	3762306	8.04E-04	1.31E-04	6.09E-05
5019	437212.1	3762300	7.97E-04	1.30E-04	6.04E-05
5020	437226.5	3762294	7.89E-04	1.29E-04	5.98E-05
5021	437240.9	3762288	7.80E-04	1.27E-04	5.91E-05
5022	437255.3	3762282	7.70E-04	1.26E-04	5.84E-05
5023	437269.7	3762276	7.60E-04	1.24E-04	5.76E-05
5024	437284.2	3762270	7.49E-04	1.22E-04	5.68E-05
5025	437298.6	3762264	7.39E-04	1.21E-04	5.60E-05
5026	437313	3762258	7.29E-04	1.19E-04	5.52E-05
5027	437327.4	3762252	7.18E-04	1.17E-04	5.44E-05
5028	437341.8	3762246	7.09E-04	1.16E-04	5.37E-05
5029	437356.2	3762240	6.99E-04	1.14E-04	5.30E-05
5030	437370.6	3762234	6.91E-04	1.13E-04	5.23E-05
5031	436944	3762683	1.27E-03	2.07E-04	9.60E-05
5032	436944	3762699	1.30E-03	2.12E-04	9.83E-05
5033	436917	3762668	1.12E-03	1.83E-04	8.51E-05
5034	436922.9	3762653	1.12E-03	1.83E-04	8.47E-05
5035	436928.9	3762639	1.11E-03	1.81E-04	8.41E-05
5036	436934.8	3762624	1.10E-03	1.80E-04	8.33E-05
5037	436940.8	3762610	1.09E-03	1.78E-04	8.24E-05
5038	436946.7	3762596	1.07E-03	1.75E-04	8.13E-05

5039	436952.7	3762581	1.06E-03	1.73E-04	8.01E-05
5040	436958.6	3762567	1.04E-03	1.70E-04	7.88E-05
5041	436964.6	3762552	1.02E-03	1.67E-04	7.74E-05
5042	436970.6	3762538	1.00E-03	1.64E-04	7.60E-05
5043	436976.5	3762523	9.85E-04	1.61E-04	7.46E-05
5044	436982.5	3762509	9.66E-04	1.58E-04	7.32E-05
5045	436988.4	3762495	9.46E-04	1.55E-04	7.17E-05
5046	437006.3	3762451	8.88E-04	1.45E-04	6.73E-05
5047	437012.2	3762437	8.70E-04	1.42E-04	6.59E-05
5048	437018.2	3762423	8.51E-04	1.39E-04	6.45E-05
5049	437024.1	3762408	8.32E-04	1.36E-04	6.30E-05
5050	437030.1	3762394	8.11E-04	1.33E-04	6.15E-05
5051	437036.1	3762379	7.90E-04	1.29E-04	5.98E-05
5052	437042	3762365	7.67E-04	1.25E-04	5.81E-05
5053	437048	3762351	7.44E-04	1.22E-04	5.64E-05
5054	437061.1	3762333	7.23E-04	1.18E-04	5.48E-05
5055	437075.5	3762327	7.27E-04	1.19E-04	5.51E-05
5056	437089.9	3762321	7.30E-04	1.19E-04	5.53E-05
5057	437104.3	3762315	7.31E-04	1.19E-04	5.54E-05
5058	437118.7	3762309	7.32E-04	1.20E-04	5.55E-05
5059	437133.1	3762303	7.32E-04	1.20E-04	5.55E-05
5060	437147.5	3762297	7.32E-04	1.20E-04	5.55E-05
5061	437190.6	3762279	7.22E-04	1.18E-04	5.47E-05
5062	437205	3762273	7.16E-04	1.17E-04	5.42E-05
5063	437219.4	3762267	7.08E-04	1.16E-04	5.37E-05
5064	437233.8	3762261	7.00E-04	1.14E-04	5.30E-05
5065	437248.2	3762255	6.91E-04	1.13E-04	5.24E-05
5066	437262.6	3762249	6.82E-04	1.11E-04	5.17E-05
5067	437277	3762243	6.73E-04	1.10E-04	5.10E-05
5068	437291.4	3762237	6.64E-04	1.08E-04	5.03E-05
5069	437305.8	3762231	6.55E-04	1.07E-04	4.96E-05
5070	437320.2	3762225	6.46E-04	1.06E-04	4.90E-05
5071	437334.6	3762219	6.38E-04	1.04E-04	4.83E-05
5072	437349	3762213	6.30E-04	1.03E-04	4.77E-05
5073	437363.4	3762207	6.22E-04	1.02E-04	4.72E-05
5074	437377.7	3762201	6.15E-04	1.01E-04	4.66E-05
5075	436914	3762683	1.14E-03	1.86E-04	8.62E-05
5076	436914	3762699	1.16E-03	1.90E-04	8.80E-05
5077	436887	3762667	1.01E-03	1.66E-04	7.68E-05
5078	436893.1	3762653	1.01E-03	1.65E-04	7.65E-05
5079	436899.2	3762638	1.00E-03	1.64E-04	7.61E-05
5080	436905.2	3762623	9.96E-04	1.63E-04	7.55E-05
5081	436911.3	3762609	9.86E-04	1.61E-04	7.47E-05
5082	436917.4	3762594	9.75E-04	1.59E-04	7.38E-05
5083	436923.4	3762579	9.62E-04	1.57E-04	7.29E-05
5084	436929.5	3762565	9.47E-04	1.55E-04	7.18E-05
5085	436935.6	3762550	9.32E-04	1.52E-04	7.06E-05
5086	436941.6	3762535	9.17E-04	1.50E-04	6.95E-05
5087	436947.7	3762521	9.00E-04	1.47E-04	6.82E-05
5088	436953.8	3762506	8.84E-04	1.44E-04	6.70E-05
5089	436959.8	3762491	8.66E-04	1.42E-04	6.57E-05
5090	436978.1	3762447	8.18E-04	1.34E-04	6.20E-05

5091	436984.1	3762432	8.03E-04	1.31E-04	6.08E-05
5092	436990.2	3762418	7.86E-04	1.28E-04	5.96E-05
5093	436996.3	3762403	7.70E-04	1.26E-04	5.83E-05
5094	437002.3	3762388	7.52E-04	1.23E-04	5.70E-05
5095	437008.4	3762374	7.34E-04	1.20E-04	5.56E-05
5096	437014.5	3762359	7.14E-04	1.17E-04	5.41E-05
5097	437020.5	3762344	6.95E-04	1.13E-04	5.26E-05
5098	437026.6	3762330	6.74E-04	1.10E-04	5.11E-05
5099	437040	3762312	6.57E-04	1.07E-04	4.98E-05
5100	437054.7	3762306	6.61E-04	1.08E-04	5.01E-05
5101	437069.3	3762300	6.64E-04	1.08E-04	5.03E-05
5102	437084	3762293	6.66E-04	1.09E-04	5.04E-05
5103	437098.7	3762287	6.67E-04	1.09E-04	5.05E-05
5104	437113.3	3762281	6.68E-04	1.09E-04	5.06E-05
5105	437128	3762275	6.67E-04	1.09E-04	5.05E-05
5106	437142.7	3762269	6.65E-04	1.09E-04	5.04E-05
5107	437157.3	3762263	6.61E-04	1.08E-04	5.01E-05
5108	437172	3762257	6.57E-04	1.07E-04	4.98E-05
5109	437186.7	3762251	6.52E-04	1.06E-04	4.94E-05
5110	437201.3	3762244	6.45E-04	1.05E-04	4.89E-05
5111	437216	3762238	6.38E-04	1.04E-04	4.83E-05
5112	437230.7	3762232	6.30E-04	1.03E-04	4.77E-05
5113	437245.3	3762226	6.22E-04	1.02E-04	4.71E-05
5114	437260	3762220	6.14E-04	1.00E-04	4.65E-05
5115	437274.7	3762214	6.05E-04	9.89E-05	4.59E-05
5116	437289.4	3762208	5.98E-04	9.76E-05	4.53E-05
5117	437304	3762202	5.90E-04	9.64E-05	4.47E-05
5118	437318.7	3762195	5.82E-04	9.51E-05	4.41E-05
5119	437333.4	3762189	5.75E-04	9.39E-05	4.36E-05
5120	437348	3762183	5.68E-04	9.28E-05	4.30E-05
5121	437362.7	3762177	5.62E-04	9.17E-05	4.26E-05
5122	437377.4	3762171	5.56E-04	9.08E-05	4.21E-05
5123	436884	3762683	1.03E-03	1.67E-04	7.77E-05
5124	436884	3762699	1.05E-03	1.71E-04	7.92E-05
5125	436857	3762668	9.20E-04	1.50E-04	6.97E-05
5126	436863.1	3762653	9.17E-04	1.50E-04	6.95E-05
5127	436869.1	3762638	9.13E-04	1.49E-04	6.92E-05
5128	436875.2	3762624	9.06E-04	1.48E-04	6.86E-05
5129	436881.2	3762609	8.98E-04	1.47E-04	6.80E-05
5130	436887.3	3762594	8.89E-04	1.45E-04	6.74E-05
5131	436893.3	3762580	8.79E-04	1.44E-04	6.66E-05
5132	436899.4	3762565	8.68E-04	1.42E-04	6.58E-05
5133	436905.5	3762550	8.56E-04	1.40E-04	6.48E-05
5134	436911.5	3762536	8.43E-04	1.38E-04	6.39E-05
5135	436917.6	3762521	8.29E-04	1.35E-04	6.28E-05
5136	436923.6	3762506	8.15E-04	1.33E-04	6.18E-05
5137	436929.7	3762492	8.01E-04	1.31E-04	6.07E-05
5138	436947.8	3762448	7.58E-04	1.24E-04	5.75E-05
5139	436953.9	3762433	7.46E-04	1.22E-04	5.65E-05
5140	436959.9	3762418	7.33E-04	1.20E-04	5.55E-05
5141	436966	3762404	7.19E-04	1.17E-04	5.44E-05
5142	436972.1	3762389	7.04E-04	1.15E-04	5.33E-05

5143	436978.1	3762374	6.89E-04	1.13E-04	5.22E-05
5144	436984.2	3762360	6.73E-04	1.10E-04	5.10E-05
5145	436990.2	3762345	6.57E-04	1.07E-04	4.98E-05
5146	436996.3	3762330	6.40E-04	1.05E-04	4.85E-05
5147	437002.3	3762316	6.23E-04	1.02E-04	4.72E-05
5148	437008.4	3762301	6.06E-04	9.91E-05	4.60E-05
5149	437018.7	3762291	6.00E-04	9.81E-05	4.55E-05
5150	437033.4	3762285	6.04E-04	9.87E-05	4.58E-05
5151	437048	3762278	6.07E-04	9.92E-05	4.60E-05
5152	437062.6	3762272	6.10E-04	9.96E-05	4.62E-05
5153	437077.3	3762266	6.11E-04	9.98E-05	4.63E-05
5154	437091.9	3762260	6.11E-04	9.99E-05	4.63E-05
5155	437106.5	3762254	6.10E-04	9.97E-05	4.63E-05
5156	437121.2	3762248	6.09E-04	9.95E-05	4.61E-05
5157	437135.8	3762242	6.06E-04	9.90E-05	4.59E-05
5158	437150.4	3762236	6.03E-04	9.84E-05	4.57E-05
5159	437165.1	3762230	5.98E-04	9.77E-05	4.53E-05
5160	437179.7	3762223	5.92E-04	9.68E-05	4.49E-05
5161	437194.3	3762217	5.86E-04	9.58E-05	4.44E-05
5162	437209	3762211	5.79E-04	9.47E-05	4.39E-05
5163	437223.6	3762205	5.73E-04	9.35E-05	4.34E-05
5164	437238.2	3762199	5.65E-04	9.24E-05	4.28E-05
5165	437252.9	3762193	5.58E-04	9.12E-05	4.23E-05
5166	437267.5	3762187	5.51E-04	9.00E-05	4.17E-05
5167	437282.2	3762181	5.44E-04	8.89E-05	4.12E-05
5168	437296.8	3762175	5.37E-04	8.77E-05	4.07E-05
5169	437311.4	3762168	5.30E-04	8.66E-05	4.02E-05
5170	437326.1	3762162	5.24E-04	8.56E-05	3.97E-05
5171	437340.7	3762156	5.18E-04	8.46E-05	3.92E-05
5172	437355.3	3762150	5.12E-04	8.37E-05	3.88E-05
5173	437370	3762144	5.07E-04	8.28E-05	3.84E-05
5174	436854	3762683	9.29E-04	1.52E-04	7.04E-05
5175	436854	3762699	9.45E-04	1.54E-04	7.16E-05
5176	436827	3762668	8.40E-04	1.37E-04	6.37E-05
5177	436833	3762653	8.39E-04	1.37E-04	6.36E-05
5178	436839.1	3762638	8.36E-04	1.37E-04	6.33E-05
5179	436845.1	3762624	8.30E-04	1.36E-04	6.29E-05
5180	436851.2	3762609	8.22E-04	1.34E-04	6.23E-05
5181	436857.2	3762594	8.14E-04	1.33E-04	6.17E-05
5182	436863.3	3762580	8.06E-04	1.32E-04	6.11E-05
5183	436869.3	3762565	7.97E-04	1.30E-04	6.04E-05
5184	436875.3	3762551	7.87E-04	1.29E-04	5.97E-05
5185	436881.4	3762536	7.77E-04	1.27E-04	5.88E-05
5186	436887.4	3762521	7.65E-04	1.25E-04	5.80E-05
5187	436893.5	3762507	7.53E-04	1.23E-04	5.71E-05
5188	436899.5	3762492	7.42E-04	1.21E-04	5.62E-05
5189	436917.6	3762448	7.05E-04	1.15E-04	5.34E-05
5190	436923.7	3762433	6.94E-04	1.13E-04	5.26E-05
5191	436929.7	3762419	6.82E-04	1.11E-04	5.17E-05
5192	436935.8	3762404	6.71E-04	1.10E-04	5.08E-05
5193	436941.8	3762390	6.59E-04	1.08E-04	4.99E-05
5194	436947.9	3762375	6.46E-04	1.06E-04	4.90E-05

5195	436953.9	3762360	6.33E-04	1.03E-04	4.80E-05
5196	436959.9	3762346	6.20E-04	1.01E-04	4.69E-05
5197	436966	3762331	6.06E-04	9.90E-05	4.59E-05
5198	436972	3762316	5.92E-04	9.67E-05	4.48E-05
5199	436978.1	3762302	5.77E-04	9.43E-05	4.38E-05
5200	436984.1	3762287	5.63E-04	9.20E-05	4.27E-05
5201	436997.5	3762270	5.51E-04	9.00E-05	4.17E-05
5202	437012.1	3762263	5.55E-04	9.06E-05	4.20E-05
5203	437026.7	3762257	5.58E-04	9.11E-05	4.23E-05
5204	437041.3	3762251	5.60E-04	9.14E-05	4.24E-05
5205	437055.9	3762245	5.61E-04	9.16E-05	4.25E-05
5206	437070.5	3762239	5.61E-04	9.17E-05	4.25E-05
5207	437085.1	3762233	5.61E-04	9.16E-05	4.25E-05
5208	437099.7	3762227	5.59E-04	9.14E-05	4.24E-05
5209	437114.3	3762221	5.57E-04	9.10E-05	4.22E-05
5210	437128.9	3762215	5.54E-04	9.06E-05	4.20E-05
5211	437143.5	3762209	5.51E-04	9.00E-05	4.17E-05
5212	437158.1	3762202	5.46E-04	8.92E-05	4.14E-05
5213	437172.7	3762196	5.41E-04	8.84E-05	4.10E-05
5214	437187.3	3762190	5.35E-04	8.75E-05	4.06E-05
5215	437201.9	3762184	5.29E-04	8.65E-05	4.01E-05
5216	437216.5	3762178	5.23E-04	8.55E-05	3.96E-05
5217	437231.1	3762172	5.17E-04	8.44E-05	3.91E-05
5218	437245.7	3762166	5.10E-04	8.33E-05	3.86E-05
5219	437260.4	3762160	5.04E-04	8.23E-05	3.82E-05
5220	437275	3762154	4.97E-04	8.13E-05	3.77E-05
5221	437289.6	3762148	4.91E-04	8.03E-05	3.72E-05
5222	437304.2	3762141	4.85E-04	7.93E-05	3.68E-05
5223	437318.8	3762135	4.80E-04	7.84E-05	3.63E-05
5224	437333.4	3762129	4.74E-04	7.75E-05	3.60E-05
5225	437348	3762123	4.70E-04	7.67E-05	3.56E-05
5226	437362.6	3762117	4.65E-04	7.60E-05	3.52E-05
5227	437377.2	3762111	4.61E-04	7.53E-05	3.49E-05
5228	436824	3762683	8.47E-04	1.38E-04	6.42E-05
5229	436824	3762699	8.60E-04	1.41E-04	6.52E-05
5230	436797	3762668	7.71E-04	1.26E-04	5.84E-05
5231	436803	3762653	7.71E-04	1.26E-04	5.84E-05
5232	436809.1	3762638	7.69E-04	1.26E-04	5.82E-05
5233	436815.1	3762624	7.65E-04	1.25E-04	5.79E-05
5234	436821.1	3762609	7.58E-04	1.24E-04	5.75E-05
5235	436827.2	3762595	7.51E-04	1.23E-04	5.69E-05
5236	436833.2	3762580	7.43E-04	1.21E-04	5.63E-05
5237	436839.2	3762565	7.35E-04	1.20E-04	5.57E-05
5238	436845.3	3762551	7.26E-04	1.19E-04	5.50E-05
5239	436851.3	3762536	7.17E-04	1.17E-04	5.44E-05
5240	436857.3	3762522	7.08E-04	1.16E-04	5.37E-05
5241	436863.4	3762507	6.98E-04	1.14E-04	5.29E-05
5242	436869.4	3762492	6.88E-04	1.12E-04	5.21E-05
5243	436875.4	3762478	6.78E-04	1.11E-04	5.14E-05
5244	436893.5	3762434	6.46E-04	1.06E-04	4.90E-05
5245	436899.5	3762419	6.36E-04	1.04E-04	4.82E-05
5246	436905.6	3762405	6.26E-04	1.02E-04	4.74E-05

5247	436911.6	3762390	6.16E-04	1.01E-04	4.66E-05
5248	436917.6	3762376	6.05E-04	9.89E-05	4.59E-05
5249	436923.7	3762361	5.94E-04	9.70E-05	4.50E-05
5250	436929.7	3762346	5.83E-04	9.52E-05	4.42E-05
5251	436935.7	3762332	5.71E-04	9.34E-05	4.33E-05
5252	436941.8	3762317	5.60E-04	9.14E-05	4.24E-05
5253	436947.8	3762303	5.47E-04	8.94E-05	4.15E-05
5254	436953.8	3762288	5.35E-04	8.74E-05	4.06E-05
5255	436959.9	3762273	5.23E-04	8.55E-05	3.97E-05
5256	436965.9	3762259	5.11E-04	8.35E-05	3.87E-05
5257	436976.2	3762248	5.07E-04	8.28E-05	3.84E-05
5258	436990.8	3762242	5.11E-04	8.34E-05	3.87E-05
5259	437005.4	3762236	5.13E-04	8.39E-05	3.89E-05
5260	437019.9	3762230	5.15E-04	8.42E-05	3.91E-05
5261	437034.5	3762224	5.17E-04	8.44E-05	3.92E-05
5262	437049.1	3762218	5.17E-04	8.45E-05	3.92E-05
5263	437063.7	3762212	5.17E-04	8.44E-05	3.92E-05
5264	437078.2	3762206	5.16E-04	8.43E-05	3.91E-05
5265	437092.8	3762200	5.14E-04	8.40E-05	3.90E-05
5266	437107.4	3762194	5.12E-04	8.36E-05	3.88E-05
5267	437122	3762187	5.09E-04	8.31E-05	3.85E-05
5268	437136.6	3762181	5.05E-04	8.25E-05	3.83E-05
5269	437151.1	3762175	5.01E-04	8.18E-05	3.79E-05
5270	437165.7	3762169	4.96E-04	8.10E-05	3.76E-05
5271	437180.3	3762163	4.91E-04	8.02E-05	3.72E-05
5272	437194.9	3762157	4.86E-04	7.93E-05	3.68E-05
5273	437209.5	3762151	4.80E-04	7.84E-05	3.64E-05
5274	437224	3762145	4.74E-04	7.75E-05	3.59E-05
5275	437238.6	3762139	4.68E-04	7.65E-05	3.55E-05
5276	437253.2	3762133	4.63E-04	7.56E-05	3.51E-05
5277	437267.8	3762127	4.57E-04	7.47E-05	3.46E-05
5278	437282.3	3762121	4.52E-04	7.38E-05	3.42E-05
5279	437296.9	3762114	4.46E-04	7.29E-05	3.38E-05
5280	437311.5	3762108	4.41E-04	7.21E-05	3.35E-05
5281	437326.1	3762102	4.37E-04	7.14E-05	3.31E-05
5282	437340.7	3762096	4.33E-04	7.07E-05	3.28E-05
5283	437355.2	3762090	4.29E-04	7.00E-05	3.25E-05
5284	436794	3762683	7.77E-04	1.27E-04	5.88E-05
5285	436794	3762699	7.87E-04	1.29E-04	5.97E-05
5286	436757	3762668	6.91E-04	1.13E-04	5.24E-05
5287	436763	3762653	6.91E-04	1.13E-04	5.24E-05
5288	436769	3762638	6.90E-04	1.13E-04	5.23E-05
5289	436775.1	3762624	6.88E-04	1.12E-04	5.21E-05
5290	436781.1	3762609	6.84E-04	1.12E-04	5.18E-05
5291	436787.1	3762595	6.78E-04	1.11E-04	5.14E-05
5292	436793.1	3762580	6.72E-04	1.10E-04	5.09E-05
5293	436799.1	3762566	6.65E-04	1.09E-04	5.04E-05
5294	436805.1	3762551	6.57E-04	1.07E-04	4.98E-05
5295	436811.2	3762536	6.49E-04	1.06E-04	4.92E-05
5296	436817.2	3762522	6.41E-04	1.05E-04	4.86E-05
5297	436823.2	3762507	6.33E-04	1.03E-04	4.80E-05
5298	436829.2	3762493	6.25E-04	1.02E-04	4.73E-05

5299	436835.2	3762478	6.16E-04	1.01E-04	4.67E-05
5300	436841.3	3762464	6.07E-04	9.92E-05	4.60E-05
5301	436859.3	3762420	5.81E-04	9.49E-05	4.40E-05
5302	436865.3	3762405	5.71E-04	9.34E-05	4.33E-05
5303	436871.4	3762391	5.62E-04	9.18E-05	4.26E-05
5304	436877.4	3762376	5.54E-04	9.05E-05	4.20E-05
5305	436883.4	3762362	5.43E-04	8.87E-05	4.11E-05
5306	436889.4	3762347	5.34E-04	8.73E-05	4.05E-05
5307	436895.4	3762332	5.26E-04	8.59E-05	3.98E-05
5308	436901.4	3762318	5.17E-04	8.45E-05	3.92E-05
5309	436907.5	3762303	5.08E-04	8.30E-05	3.85E-05
5310	436913.5	3762289	4.99E-04	8.15E-05	3.78E-05
5311	436919.5	3762274	4.89E-04	7.99E-05	3.71E-05
5312	436925.5	3762260	4.80E-04	7.84E-05	3.64E-05
5313	436931.5	3762245	4.70E-04	7.68E-05	3.56E-05
5314	436937.6	3762230	4.60E-04	7.51E-05	3.48E-05
5315	436947.8	3762220	4.56E-04	7.45E-05	3.45E-05
5316	436962.4	3762214	4.59E-04	7.50E-05	3.48E-05
5317	436976.9	3762208	4.61E-04	7.54E-05	3.50E-05
5318	436991.5	3762202	4.63E-04	7.57E-05	3.51E-05
5319	437006	3762196	4.65E-04	7.60E-05	3.52E-05
5320	437020.6	3762190	4.66E-04	7.61E-05	3.53E-05
5321	437035.1	3762184	4.66E-04	7.61E-05	3.53E-05
5322	437049.7	3762178	4.65E-04	7.60E-05	3.53E-05
5323	437064.2	3762172	4.64E-04	7.58E-05	3.52E-05
5324	437078.8	3762165	4.62E-04	7.55E-05	3.50E-05
5325	437093.3	3762159	4.60E-04	7.51E-05	3.49E-05
5326	437107.9	3762153	4.57E-04	7.47E-05	3.47E-05
5327	437122.4	3762147	4.54E-04	7.42E-05	3.44E-05
5328	437137	3762141	4.50E-04	7.36E-05	3.41E-05
5329	437151.5	3762135	4.46E-04	7.29E-05	3.38E-05
5330	437166	3762129	4.42E-04	7.22E-05	3.35E-05
5331	437180.6	3762123	4.37E-04	7.14E-05	3.31E-05
5332	437195.1	3762117	4.32E-04	7.07E-05	3.28E-05
5333	437209.7	3762111	4.28E-04	6.98E-05	3.24E-05
5334	437224.2	3762105	4.22E-04	6.90E-05	3.20E-05
5335	437238.8	3762099	4.17E-04	6.82E-05	3.16E-05
5336	437253.3	3762093	4.12E-04	6.74E-05	3.12E-05
5337	436754	3762683	6.95E-04	1.14E-04	5.27E-05
5338	436754	3762699	7.04E-04	1.15E-04	5.33E-05
5339	436717	3762668	6.24E-04	1.02E-04	4.73E-05
5340	436723	3762653	6.25E-04	1.02E-04	4.73E-05
5341	436729	3762638	6.24E-04	1.02E-04	4.73E-05
5342	436735	3762624	6.22E-04	1.02E-04	4.71E-05
5343	436741	3762609	6.19E-04	1.01E-04	4.69E-05
5344	436747	3762595	6.15E-04	1.00E-04	4.66E-05
5345	436753	3762580	6.10E-04	9.97E-05	4.62E-05
5346	436759	3762566	6.05E-04	9.88E-05	4.58E-05
5347	436765	3762551	5.98E-04	9.78E-05	4.53E-05
5348	436771.1	3762537	5.92E-04	9.67E-05	4.48E-05
5349	436777.1	3762522	5.85E-04	9.55E-05	4.43E-05
5350	436783.1	3762508	5.77E-04	9.43E-05	4.38E-05

5351	436789.1	3762493	5.70E-04	9.31E-05	4.32E-05
5352	436795.1	3762479	5.62E-04	9.18E-05	4.26E-05
5353	436801.1	3762464	5.55E-04	9.07E-05	4.21E-05
5354	436807.1	3762449	5.48E-04	8.95E-05	4.15E-05
5355	436831.1	3762391	5.18E-04	8.46E-05	3.92E-05
5356	436837.1	3762377	5.10E-04	8.34E-05	3.87E-05
5357	436843.1	3762362	5.02E-04	8.20E-05	3.80E-05
5358	436849.2	3762348	4.94E-04	8.07E-05	3.74E-05
5359	436855.2	3762333	4.86E-04	7.94E-05	3.68E-05
5360	436861.2	3762319	4.79E-04	7.82E-05	3.63E-05
5361	436867.2	3762304	4.72E-04	7.71E-05	3.57E-05
5362	436873.2	3762289	4.65E-04	7.59E-05	3.52E-05
5363	436879.2	3762275	4.57E-04	7.47E-05	3.47E-05
5364	436885.2	3762260	4.50E-04	7.35E-05	3.41E-05
5365	436891.2	3762246	4.42E-04	7.22E-05	3.35E-05
5366	436897.2	3762231	4.33E-04	7.08E-05	3.28E-05
5367	436903.2	3762217	4.24E-04	6.93E-05	3.21E-05
5368	436909.2	3762202	4.15E-04	6.78E-05	3.15E-05
5369	436919.5	3762192	4.12E-04	6.73E-05	3.12E-05
5370	436934	3762186	4.15E-04	6.78E-05	3.14E-05
5371	436948.5	3762180	4.17E-04	6.81E-05	3.16E-05
5372	436963	3762174	4.19E-04	6.84E-05	3.17E-05
5373	436977.6	3762168	4.20E-04	6.87E-05	3.18E-05
5374	436992.1	3762162	4.21E-04	6.88E-05	3.19E-05
5375	437006.6	3762156	4.22E-04	6.89E-05	3.20E-05
5376	437021.1	3762149	4.21E-04	6.88E-05	3.19E-05
5377	437122.8	3762107	4.08E-04	6.67E-05	3.09E-05
5378	437137.3	3762101	4.05E-04	6.61E-05	3.07E-05
5379	437151.8	3762095	4.01E-04	6.55E-05	3.04E-05
5380	437166.3	3762089	3.97E-04	6.48E-05	3.01E-05
5381	436714	3762683	6.27E-04	1.02E-04	4.75E-05
5382	436714	3762699	6.33E-04	1.03E-04	4.80E-05
5383	436677	3762668	5.66E-04	9.25E-05	4.29E-05
5384	436683	3762653	5.67E-04	9.27E-05	4.30E-05
5385	436689	3762639	5.67E-04	9.27E-05	4.30E-05
5386	436695	3762624	5.66E-04	9.25E-05	4.29E-05
5387	436701	3762610	5.64E-04	9.22E-05	4.28E-05
5388	436707	3762595	5.61E-04	9.16E-05	4.25E-05
5389	436713	3762580	5.57E-04	9.10E-05	4.22E-05
5390	436719	3762566	5.52E-04	9.02E-05	4.18E-05
5391	436725	3762551	5.47E-04	8.94E-05	4.15E-05
5392	436731	3762537	5.41E-04	8.85E-05	4.10E-05
5393	436737	3762522	5.35E-04	8.75E-05	4.06E-05
5394	436743	3762508	5.29E-04	8.65E-05	4.01E-05
5395	436749	3762493	5.23E-04	8.54E-05	3.96E-05
5396	436754.9	3762479	5.16E-04	8.44E-05	3.91E-05
5397	436760.9	3762464	5.10E-04	8.33E-05	3.86E-05
5398	436766.9	3762450	5.04E-04	8.23E-05	3.82E-05
5399	436772.9	3762435	4.97E-04	8.13E-05	3.77E-05
5400	436778.9	3762421	4.91E-04	8.03E-05	3.72E-05
5401	436802.9	3762363	4.67E-04	7.64E-05	3.54E-05
5402	436808.9	3762348	4.61E-04	7.53E-05	3.49E-05

5403	436814.9	3762334	4.54E-04	7.41E-05	3.44E-05
5404	436820.9	3762319	4.47E-04	7.31E-05	3.39E-05
5405	436826.9	3762305	4.41E-04	7.20E-05	3.34E-05
5406	436832.9	3762290	4.35E-04	7.10E-05	3.29E-05
5407	436838.9	3762276	4.28E-04	7.00E-05	3.25E-05
5408	436844.9	3762261	4.22E-04	6.89E-05	3.20E-05
5409	436850.9	3762247	4.15E-04	6.78E-05	3.15E-05
5410	436856.9	3762232	4.08E-04	6.67E-05	3.09E-05
5411	436862.9	3762218	4.01E-04	6.54E-05	3.04E-05
5412	436868.9	3762203	3.93E-04	6.42E-05	2.98E-05
5413	436874.9	3762188	3.85E-04	6.29E-05	2.92E-05
5414	436880.9	3762174	3.77E-04	6.16E-05	2.86E-05
5415	436891.1	3762164	3.75E-04	6.13E-05	2.84E-05
5416	436905.6	3762158	3.78E-04	6.18E-05	2.86E-05
5417	436920.1	3762152	3.81E-04	6.22E-05	2.89E-05
5418	436934.6	3762146	3.82E-04	6.25E-05	2.90E-05
5419	436949.1	3762139	3.83E-04	6.26E-05	2.91E-05
5420	436963.6	3762133	3.84E-04	6.27E-05	2.91E-05
5421	436978.1	3762127	3.84E-04	6.27E-05	2.91E-05
5422	436992.6	3762121	3.84E-04	6.27E-05	2.91E-05
5423	437007.1	3762115	3.83E-04	6.26E-05	2.91E-05
5424	437021.6	3762109	3.83E-04	6.26E-05	2.90E-05
5425	437340.5	3761976	3.19E-04	5.21E-05	2.42E-05
5426	437355	3761970	3.17E-04	5.18E-05	2.40E-05
5427	437369.5	3761964	3.16E-04	5.16E-05	2.39E-05
5428	436674	3762683	5.68E-04	9.28E-05	4.31E-05
5429	436674	3762699	5.73E-04	9.37E-05	4.35E-05
5430	436637	3762667	5.17E-04	8.44E-05	3.92E-05
5431	436643.1	3762653	5.18E-04	8.47E-05	3.93E-05
5432	436649.2	3762638	5.19E-04	8.47E-05	3.93E-05
5433	436655.2	3762623	5.18E-04	8.46E-05	3.92E-05
5434	436661.3	3762609	5.16E-04	8.43E-05	3.91E-05
5435	436667.4	3762594	5.14E-04	8.39E-05	3.89E-05
5436	436673.4	3762579	5.11E-04	8.34E-05	3.87E-05
5437	436679.5	3762565	5.07E-04	8.28E-05	3.84E-05
5438	436685.6	3762550	5.02E-04	8.20E-05	3.81E-05
5439	436691.7	3762535	4.97E-04	8.13E-05	3.77E-05
5440	436697.7	3762521	4.92E-04	8.04E-05	3.73E-05
5441	436703.8	3762506	4.87E-04	7.95E-05	3.69E-05
5442	436709.9	3762491	4.81E-04	7.86E-05	3.65E-05
5443	436728.1	3762447	4.64E-04	7.58E-05	3.51E-05
5444	436734.1	3762432	4.58E-04	7.48E-05	3.47E-05
5445	436740.2	3762418	4.53E-04	7.39E-05	3.43E-05
5446	436746.3	3762403	4.48E-04	7.31E-05	3.39E-05
5447	436752.4	3762388	4.42E-04	7.23E-05	3.35E-05
5448	436758.4	3762374	4.37E-04	7.14E-05	3.31E-05
5449	436782.7	3762315	4.16E-04	6.80E-05	3.15E-05
5450	436788.8	3762300	4.11E-04	6.71E-05	3.11E-05
5451	436794.8	3762285	4.05E-04	6.62E-05	3.07E-05
5452	436800.9	3762271	4.00E-04	6.54E-05	3.03E-05
5453	436807	3762256	3.94E-04	6.44E-05	2.99E-05
5454	436813.1	3762241	3.89E-04	6.35E-05	2.94E-05

5455	436819.1	3762227	3.82E-04	6.24E-05	2.90E-05
5456	436825.2	3762212	3.76E-04	6.14E-05	2.85E-05
5457	436831.3	3762197	3.69E-04	6.03E-05	2.80E-05
5458	436837.3	3762183	3.62E-04	5.92E-05	2.75E-05
5459	436843.4	3762168	3.56E-04	5.81E-05	2.70E-05
5460	436849.5	3762153	3.50E-04	5.71E-05	2.65E-05
5461	436862.9	3762135	3.45E-04	5.63E-05	2.61E-05
5462	436877.6	3762129	3.47E-04	5.67E-05	2.63E-05
5463	436892.2	3762123	3.49E-04	5.71E-05	2.65E-05
5464	436906.9	3762117	3.51E-04	5.73E-05	2.66E-05
5465	436921.6	3762111	3.52E-04	5.75E-05	2.67E-05
5466	436936.2	3762105	3.53E-04	5.76E-05	2.67E-05
5467	436950.9	3762099	3.53E-04	5.76E-05	2.67E-05
5468	436965.6	3762093	3.52E-04	5.76E-05	2.67E-05
5469	437244.4	3761976	3.08E-04	5.03E-05	2.33E-05
5470	437259	3761970	3.05E-04	4.98E-05	2.31E-05
5471	437273.7	3761964	3.02E-04	4.94E-05	2.29E-05
5472	437288.4	3761958	3.00E-04	4.89E-05	2.27E-05
5473	437303	3761952	2.97E-04	4.86E-05	2.25E-05
5474	437317.7	3761945	2.95E-04	4.82E-05	2.24E-05
5475	437332.4	3761939	2.94E-04	4.80E-05	2.22E-05
5476	437347.1	3761933	2.92E-04	4.77E-05	2.21E-05
5477	437361.7	3761927	2.91E-04	4.75E-05	2.20E-05
5478	436634	3762683	5.18E-04	8.46E-05	3.93E-05
5479	436634	3762699	5.22E-04	8.53E-05	3.96E-05
5480	436597	3762668	4.74E-04	7.74E-05	3.59E-05
5481	436603.1	3762653	4.75E-04	7.76E-05	3.60E-05
5482	436609.1	3762638	4.76E-04	7.77E-05	3.60E-05
5483	436615.2	3762624	4.75E-04	7.77E-05	3.60E-05
5484	436621.2	3762609	4.74E-04	7.75E-05	3.59E-05
5485	436627.3	3762594	4.72E-04	7.72E-05	3.58E-05
5486	436633.4	3762580	4.70E-04	7.68E-05	3.56E-05
5487	436639.4	3762565	4.67E-04	7.63E-05	3.54E-05
5488	436645.5	3762550	4.63E-04	7.57E-05	3.51E-05
5489	436651.5	3762536	4.60E-04	7.51E-05	3.48E-05
5490	436657.6	3762521	4.55E-04	7.43E-05	3.45E-05
5491	436663.7	3762506	4.50E-04	7.36E-05	3.41E-05
5492	436669.7	3762492	4.45E-04	7.28E-05	3.38E-05
5493	436687.9	3762448	4.30E-04	7.02E-05	3.26E-05
5494	436693.9	3762433	4.25E-04	6.94E-05	3.22E-05
5495	436700	3762418	4.20E-04	6.86E-05	3.18E-05
5496	436706.1	3762404	4.15E-04	6.78E-05	3.15E-05
5497	436712.1	3762389	4.11E-04	6.71E-05	3.11E-05
5498	436736.3	3762330	3.93E-04	6.41E-05	2.97E-05
5499	436742.4	3762316	3.88E-04	6.34E-05	2.94E-05
5500	436748.5	3762301	3.84E-04	6.27E-05	2.91E-05
5501	436790.9	3762198	3.50E-04	5.72E-05	2.65E-05
5502	436796.9	3762184	3.45E-04	5.64E-05	2.61E-05
5503	436803	3762169	3.39E-04	5.54E-05	2.57E-05
5504	436809	3762154	3.33E-04	5.45E-05	2.53E-05
5505	436815.1	3762140	3.28E-04	5.36E-05	2.48E-05
5506	436821.2	3762125	3.23E-04	5.27E-05	2.44E-05

5507	436834.5	3762107	3.18E-04	5.20E-05	2.41E-05
5508	436849.2	3762101	3.20E-04	5.23E-05	2.43E-05
5509	437142	3761979	3.02E-04	4.93E-05	2.29E-05
5510	437156.6	3761973	2.99E-04	4.88E-05	2.26E-05
5511	437171.3	3761967	2.96E-04	4.83E-05	2.24E-05
5512	437185.9	3761960	2.93E-04	4.79E-05	2.22E-05
5513	437200.6	3761954	2.90E-04	4.74E-05	2.20E-05
5514	437215.2	3761948	2.88E-04	4.70E-05	2.18E-05
5515	437229.9	3761942	2.85E-04	4.65E-05	2.16E-05
5516	437244.5	3761936	2.82E-04	4.61E-05	2.14E-05
5517	437259.1	3761930	2.80E-04	4.57E-05	2.12E-05
5518	437273.8	3761924	2.78E-04	4.54E-05	2.10E-05
5519	437288.4	3761918	2.76E-04	4.50E-05	2.09E-05
5520	437303.1	3761912	2.74E-04	4.47E-05	2.07E-05
5521	437317.7	3761905	2.72E-04	4.45E-05	2.06E-05
5522	437332.3	3761899	2.71E-04	4.43E-05	2.05E-05
5523	437347	3761893	2.70E-04	4.41E-05	2.04E-05
5524	436594	3762683	4.74E-04	7.75E-05	3.59E-05
5525	436594	3762699	4.78E-04	7.80E-05	3.62E-05
5526	436575.1	3762624	4.39E-04	7.16E-05	3.32E-05
5527	436581.2	3762609	4.38E-04	7.15E-05	3.32E-05
5528	436587.2	3762594	4.36E-04	7.13E-05	3.31E-05
5529	436593.3	3762580	4.34E-04	7.10E-05	3.29E-05
5530	436599.3	3762565	4.32E-04	7.05E-05	3.27E-05
5531	436605.4	3762550	4.29E-04	7.01E-05	3.25E-05
5532	436611.4	3762536	4.25E-04	6.95E-05	3.22E-05
5533	436617.5	3762521	4.22E-04	6.89E-05	3.20E-05
5534	436623.5	3762507	4.18E-04	6.83E-05	3.17E-05
5535	436629.6	3762492	4.14E-04	6.76E-05	3.14E-05
5536	436647.7	3762448	4.00E-04	6.54E-05	3.03E-05
5537	436653.8	3762433	3.96E-04	6.46E-05	3.00E-05
5538	436659.8	3762419	3.91E-04	6.39E-05	2.96E-05
5539	436665.8	3762404	3.87E-04	6.32E-05	2.93E-05
5540	436671.9	3762389	3.83E-04	6.26E-05	2.90E-05
5541	436690	3762345	3.72E-04	6.07E-05	2.82E-05
5542	436696.1	3762331	3.67E-04	6.00E-05	2.78E-05
5543	436702.1	3762316	3.63E-04	5.94E-05	2.75E-05
5544	436708.2	3762302	3.59E-04	5.87E-05	2.72E-05
5545	436714.2	3762287	3.55E-04	5.80E-05	2.69E-05
5546	436720.3	3762272	3.51E-04	5.74E-05	2.66E-05
5547	436726.3	3762258	3.47E-04	5.67E-05	2.63E-05
5548	436732.4	3762243	3.43E-04	5.60E-05	2.60E-05
5549	436738.4	3762228	3.39E-04	5.54E-05	2.57E-05
5550	436744.5	3762214	3.35E-04	5.47E-05	2.54E-05
5551	437054.6	3761975	2.91E-04	4.76E-05	2.21E-05
5552	437069.2	3761969	2.89E-04	4.73E-05	2.19E-05
5553	437083.9	3761963	2.87E-04	4.69E-05	2.18E-05
5554	437098.5	3761957	2.85E-04	4.65E-05	2.16E-05
5555	437113.1	3761951	2.82E-04	4.61E-05	2.14E-05
5556	437127.7	3761945	2.79E-04	4.56E-05	2.12E-05
5557	437142.3	3761939	2.77E-04	4.52E-05	2.10E-05
5558	437156.9	3761932	2.74E-04	4.48E-05	2.08E-05

5559	437171.5	3761926	2.72E-04	4.44E-05	2.06E-05
5560	437186.2	3761920	2.69E-04	4.40E-05	2.04E-05
5561	437200.8	3761914	2.67E-04	4.36E-05	2.02E-05
5562	437215.4	3761908	2.64E-04	4.32E-05	2.00E-05
5563	437230	3761902	2.62E-04	4.28E-05	1.99E-05
5564	437244.6	3761896	2.60E-04	4.25E-05	1.97E-05
5565	437259.2	3761890	2.58E-04	4.22E-05	1.96E-05
5566	436517	3762668	4.03E-04	6.59E-05	3.06E-05
5567	436523	3762653	4.05E-04	6.62E-05	3.07E-05
5568	436529.1	3762638	4.06E-04	6.63E-05	3.08E-05
5569	436535.1	3762624	4.06E-04	6.64E-05	3.08E-05
5570	436541.1	3762609	4.06E-04	6.63E-05	3.08E-05
5571	436547.2	3762594	4.05E-04	6.62E-05	3.07E-05
5572	436577.4	3762521	3.93E-04	6.42E-05	2.98E-05
5573	436583.4	3762507	3.90E-04	6.37E-05	2.95E-05
5574	436589.4	3762492	3.86E-04	6.31E-05	2.93E-05
5575	436595.5	3762478	3.82E-04	6.24E-05	2.90E-05
5576	436607.6	3762448	3.74E-04	6.12E-05	2.84E-05
5577	436613.6	3762434	3.70E-04	6.05E-05	2.81E-05
5578	436619.6	3762419	3.66E-04	5.99E-05	2.78E-05
5579	436625.7	3762405	3.63E-04	5.92E-05	2.75E-05
5580	436631.7	3762390	3.59E-04	5.86E-05	2.72E-05
5581	436649.8	3762346	3.48E-04	5.68E-05	2.63E-05
5582	436655.8	3762331	3.44E-04	5.62E-05	2.61E-05
5583	436661.9	3762317	3.40E-04	5.56E-05	2.58E-05
5584	436667.9	3762302	3.37E-04	5.51E-05	2.55E-05
5585	436674	3762288	3.34E-04	5.45E-05	2.53E-05
5586	436680	3762273	3.30E-04	5.40E-05	2.50E-05
5587	436686	3762258	3.26E-04	5.33E-05	2.47E-05
5588	436692.1	3762244	3.23E-04	5.27E-05	2.44E-05
5589	436698.1	3762229	3.19E-04	5.21E-05	2.42E-05
5590	436704.1	3762215	3.16E-04	5.16E-05	2.39E-05
5591	436710.2	3762200	3.12E-04	5.10E-05	2.37E-05
5592	436952.9	3761978	2.78E-04	4.55E-05	2.11E-05
5593	436967.5	3761972	2.77E-04	4.52E-05	2.10E-05
5594	436982.1	3761965	2.76E-04	4.50E-05	2.09E-05
5595	436996.7	3761959	2.75E-04	4.49E-05	2.08E-05
5596	437011.3	3761953	2.74E-04	4.47E-05	2.07E-05
5597	437025.9	3761947	2.72E-04	4.45E-05	2.06E-05
5598	437040.4	3761941	2.71E-04	4.43E-05	2.05E-05
5599	437055	3761935	2.69E-04	4.39E-05	2.04E-05
5600	437069.6	3761929	2.67E-04	4.36E-05	2.02E-05
5601	437084.2	3761923	2.64E-04	4.32E-05	2.00E-05
5602	437098.8	3761917	2.62E-04	4.28E-05	1.99E-05
5603	437113.4	3761911	2.60E-04	4.24E-05	1.97E-05
5604	437128	3761905	2.58E-04	4.21E-05	1.95E-05
5605	437142.6	3761898	2.55E-04	4.17E-05	1.93E-05
5606	437157.2	3761892	2.53E-04	4.13E-05	1.92E-05
5607	436514	3762683	4.03E-04	6.59E-05	3.06E-05
5608	436514	3762699	4.05E-04	6.62E-05	3.07E-05
5609	436477	3762668	3.74E-04	6.11E-05	2.83E-05
5610	436483	3762653	3.76E-04	6.14E-05	2.85E-05

5611	436489.1	3762638	3.77E-04	6.16E-05	2.86E-05
5612	436495.1	3762624	3.77E-04	6.17E-05	2.86E-05
5613	436501.1	3762609	3.78E-04	6.17E-05	2.86E-05
5614	436507.1	3762595	3.77E-04	6.16E-05	2.86E-05
5615	436513.2	3762580	3.76E-04	6.15E-05	2.85E-05
5616	436519.2	3762565	3.75E-04	6.12E-05	2.84E-05
5617	436525.2	3762551	3.73E-04	6.09E-05	2.82E-05
5618	436531.2	3762536	3.70E-04	6.05E-05	2.81E-05
5619	436537.3	3762522	3.68E-04	6.01E-05	2.79E-05
5620	436543.3	3762507	3.64E-04	5.95E-05	2.76E-05
5621	436549.3	3762492	3.61E-04	5.90E-05	2.74E-05
5622	436579.5	3762420	3.43E-04	5.60E-05	2.60E-05
5623	436585.5	3762405	3.40E-04	5.55E-05	2.57E-05
5624	436591.5	3762390	3.36E-04	5.49E-05	2.55E-05
5625	436603.6	3762361	3.30E-04	5.38E-05	2.50E-05
5626	436609.6	3762347	3.26E-04	5.33E-05	2.47E-05
5627	436615.6	3762332	3.23E-04	5.27E-05	2.45E-05
5628	436621.7	3762317	3.20E-04	5.22E-05	2.42E-05
5629	436627.7	3762303	3.16E-04	5.17E-05	2.40E-05
5630	436633.7	3762288	3.13E-04	5.12E-05	2.37E-05
5631	436639.7	3762274	3.10E-04	5.07E-05	2.35E-05
5632	436645.8	3762259	3.07E-04	5.02E-05	2.33E-05
5633	436651.8	3762244	3.04E-04	4.97E-05	2.30E-05
5634	436657.8	3762230	3.01E-04	4.92E-05	2.28E-05
5635	436663.8	3762215	2.98E-04	4.87E-05	2.26E-05
5636	436669.9	3762201	2.95E-04	4.82E-05	2.24E-05
5637	436675.9	3762186	2.92E-04	4.77E-05	2.21E-05
5638	436681.9	3762171	2.89E-04	4.72E-05	2.19E-05
5639	436730.1	3762055	2.62E-04	4.27E-05	1.98E-05
5640	436851.5	3761980	2.60E-04	4.26E-05	1.97E-05
5641	436866	3761974	2.61E-04	4.26E-05	1.98E-05
5642	436880.6	3761968	2.61E-04	4.27E-05	1.98E-05
5643	436895.2	3761962	2.61E-04	4.27E-05	1.98E-05
5644	436909.7	3761956	2.61E-04	4.27E-05	1.98E-05
5645	436924.3	3761950	2.61E-04	4.26E-05	1.98E-05
5646	436938.9	3761943	2.60E-04	4.25E-05	1.97E-05
5647	436953.4	3761937	2.59E-04	4.23E-05	1.96E-05
5648	436968	3761931	2.58E-04	4.22E-05	1.96E-05
5649	436982.6	3761925	2.57E-04	4.20E-05	1.95E-05
5650	436997.1	3761919	2.56E-04	4.18E-05	1.94E-05
5651	437011.7	3761913	2.54E-04	4.15E-05	1.93E-05
5652	437026.3	3761907	2.52E-04	4.12E-05	1.91E-05
5653	437040.8	3761901	2.51E-04	4.10E-05	1.90E-05
5654	437055.4	3761895	2.49E-04	4.06E-05	1.88E-05
5655	437070	3761889	2.47E-04	4.03E-05	1.87E-05
5656	436474	3762683	3.74E-04	6.11E-05	2.83E-05
5657	436474	3762699	3.76E-04	6.14E-05	2.85E-05
5658	436437	3762668	3.48E-04	5.69E-05	2.64E-05
5659	436443	3762653	3.50E-04	5.72E-05	2.65E-05
5660	436449	3762638	3.51E-04	5.74E-05	2.66E-05
5661	436455.1	3762624	3.52E-04	5.75E-05	2.67E-05
5662	436461.1	3762609	3.52E-04	5.75E-05	2.67E-05

5663	436467.1	3762595	3.52E-04	5.75E-05	2.67E-05
5664	436473.1	3762580	3.51E-04	5.74E-05	2.66E-05
5665	436479.1	3762566	3.50E-04	5.72E-05	2.65E-05
5666	436485.1	3762551	3.49E-04	5.69E-05	2.64E-05
5667	436491.2	3762536	3.47E-04	5.66E-05	2.63E-05
5668	436497.2	3762522	3.44E-04	5.63E-05	2.61E-05
5669	436503.2	3762507	3.42E-04	5.58E-05	2.59E-05
5670	436509.2	3762493	3.39E-04	5.53E-05	2.57E-05
5671	436515.2	3762478	3.36E-04	5.48E-05	2.54E-05
5672	436521.3	3762464	3.32E-04	5.43E-05	2.52E-05
5673	436527.3	3762449	3.29E-04	5.37E-05	2.49E-05
5674	436533.3	3762434	3.25E-04	5.32E-05	2.47E-05
5675	436539.3	3762420	3.22E-04	5.26E-05	2.44E-05
5676	436545.3	3762405	3.19E-04	5.21E-05	2.42E-05
5677	436569.4	3762347	3.07E-04	5.01E-05	2.32E-05
5678	436575.4	3762332	3.04E-04	4.96E-05	2.30E-05
5679	436581.4	3762318	3.01E-04	4.91E-05	2.28E-05
5680	436587.5	3762303	2.98E-04	4.87E-05	2.26E-05
5681	436593.5	3762289	2.95E-04	4.82E-05	2.24E-05
5682	436599.5	3762274	2.93E-04	4.78E-05	2.22E-05
5683	436605.5	3762260	2.90E-04	4.74E-05	2.20E-05
5684	436611.5	3762245	2.88E-04	4.70E-05	2.18E-05
5685	436617.6	3762230	2.85E-04	4.65E-05	2.16E-05
5686	436623.6	3762216	2.82E-04	4.61E-05	2.14E-05
5687	436629.6	3762201	2.80E-04	4.57E-05	2.12E-05
5688	436635.6	3762187	2.77E-04	4.52E-05	2.10E-05
5689	436641.6	3762172	2.74E-04	4.48E-05	2.08E-05
5690	436647.7	3762158	2.71E-04	4.43E-05	2.06E-05
5691	436653.7	3762143	2.69E-04	4.39E-05	2.04E-05
5692	436659.7	3762128	2.66E-04	4.34E-05	2.01E-05
5693	436808.4	3761958	2.44E-04	3.98E-05	1.85E-05
5694	436823	3761952	2.44E-04	3.99E-05	1.85E-05
5695	436837.5	3761946	2.44E-04	3.99E-05	1.85E-05
5696	436852.1	3761940	2.45E-04	4.00E-05	1.85E-05
5697	436866.6	3761934	2.45E-04	4.00E-05	1.85E-05
5698	436881.2	3761927	2.45E-04	4.00E-05	1.85E-05
5699	436895.7	3761921	2.44E-04	3.99E-05	1.85E-05
5700	436910.2	3761915	2.44E-04	3.99E-05	1.85E-05
5701	436924.8	3761909	2.43E-04	3.98E-05	1.84E-05
5702	436939.3	3761903	2.43E-04	3.96E-05	1.84E-05
5703	436953.9	3761897	2.42E-04	3.95E-05	1.83E-05
5704	436968.4	3761891	2.40E-04	3.92E-05	1.82E-05
5705	436983	3761885	2.39E-04	3.90E-05	1.81E-05
5706	436434	3762683	3.48E-04	5.69E-05	2.64E-05
5707	436434	3762699	3.49E-04	5.71E-05	2.65E-05
5708	436397	3762667	3.25E-04	5.31E-05	2.47E-05
5709	436403.1	3762653	3.27E-04	5.34E-05	2.48E-05
5710	436409.2	3762638	3.28E-04	5.36E-05	2.49E-05
5711	436415.2	3762623	3.29E-04	5.38E-05	2.49E-05
5712	436421.3	3762609	3.30E-04	5.38E-05	2.50E-05
5713	436427.4	3762594	3.29E-04	5.38E-05	2.50E-05
5714	436433.5	3762579	3.29E-04	5.37E-05	2.49E-05

5715	436439.5	3762565	3.28E-04	5.36E-05	2.48E-05
5716	436445.6	3762550	3.27E-04	5.34E-05	2.48E-05
5717	436451.7	3762535	3.25E-04	5.31E-05	2.46E-05
5718	436457.8	3762520	3.23E-04	5.28E-05	2.45E-05
5719	436463.8	3762506	3.21E-04	5.24E-05	2.43E-05
5720	436469.9	3762491	3.18E-04	5.20E-05	2.41E-05
5721	436476	3762476	3.16E-04	5.16E-05	2.39E-05
5722	436482.1	3762462	3.13E-04	5.11E-05	2.37E-05
5723	436488.1	3762447	3.09E-04	5.06E-05	2.35E-05
5724	436494.2	3762432	3.06E-04	5.00E-05	2.32E-05
5725	436500.3	3762418	3.03E-04	4.95E-05	2.30E-05
5726	436506.3	3762403	3.00E-04	4.90E-05	2.27E-05
5727	436512.4	3762388	2.97E-04	4.86E-05	2.25E-05
5728	436518.5	3762373	2.94E-04	4.81E-05	2.23E-05
5729	436530.6	3762344	2.89E-04	4.71E-05	2.19E-05
5730	436536.7	3762329	2.86E-04	4.67E-05	2.17E-05
5731	436542.8	3762315	2.83E-04	4.63E-05	2.15E-05
5732	436548.9	3762300	2.81E-04	4.59E-05	2.13E-05
5733	436554.9	3762285	2.78E-04	4.55E-05	2.11E-05
5734	436561	3762271	2.76E-04	4.51E-05	2.09E-05
5735	436567.1	3762256	2.74E-04	4.48E-05	2.08E-05
5736	436573.2	3762241	2.72E-04	4.44E-05	2.06E-05
5737	436579.2	3762226	2.70E-04	4.40E-05	2.04E-05
5738	436585.3	3762212	2.67E-04	4.37E-05	2.03E-05
5739	436591.4	3762197	2.65E-04	4.33E-05	2.01E-05
5740	436597.5	3762182	2.62E-04	4.29E-05	1.99E-05
5741	436603.5	3762168	2.60E-04	4.24E-05	1.97E-05
5742	436609.6	3762153	2.57E-04	4.20E-05	1.95E-05
5743	436615.7	3762138	2.55E-04	4.16E-05	1.93E-05
5744	436621.7	3762123	2.52E-04	4.12E-05	1.91E-05
5745	436676.4	3761991	2.28E-04	3.73E-05	1.73E-05
5746	436682.5	3761976	2.25E-04	3.67E-05	1.70E-05
5747	436692.9	3761966	2.24E-04	3.65E-05	1.69E-05
5748	436707.5	3761960	2.25E-04	3.67E-05	1.70E-05
5749	436722.2	3761954	2.26E-04	3.69E-05	1.71E-05
5750	436795.6	3761923	2.29E-04	3.74E-05	1.73E-05
5751	436810.3	3761917	2.29E-04	3.75E-05	1.74E-05
5752	436825	3761911	2.30E-04	3.75E-05	1.74E-05
5753	436839.7	3761905	2.30E-04	3.75E-05	1.74E-05
5754	436854.3	3761899	2.30E-04	3.75E-05	1.74E-05
5755	436869	3761892	2.30E-04	3.75E-05	1.74E-05
5756	436883.7	3761886	2.29E-04	3.74E-05	1.74E-05
5757	436898.4	3761880	2.29E-04	3.74E-05	1.73E-05
5758	436913.1	3761874	2.28E-04	3.73E-05	1.73E-05
5759	436927.7	3761868	2.28E-04	3.72E-05	1.73E-05
5760	436942.4	3761862	2.27E-04	3.70E-05	1.72E-05
5761	436394	3762683	3.25E-04	5.31E-05	2.46E-05
5762	436394	3762699	3.26E-04	5.32E-05	2.47E-05
5763	437371.1	3762659	1.45E-02	2.37E-03	1.10E-03
5764	437363	3762579	5.38E-03	8.79E-04	4.08E-04
5765	437362.9	3762559	4.48E-03	7.31E-04	3.39E-04
5766	437362.8	3762539	3.77E-03	6.16E-04	2.86E-04

5767	437385.3	3762519	3.36E-03	5.49E-04	2.55E-04
5768	437362.7	3762519	3.21E-03	5.24E-04	2.43E-04
5769	437385.2	3762499	2.87E-03	4.69E-04	2.18E-04
5770	437362.5	3762499	2.76E-03	4.51E-04	2.09E-04
5771	437385.1	3762479	2.48E-03	4.06E-04	1.88E-04
5772	437362.4	3762479	2.39E-03	3.91E-04	1.81E-04
5773	437384.9	3762459	2.16E-03	3.54E-04	1.64E-04
5774	437362.3	3762459	2.09E-03	3.42E-04	1.59E-04
5775	437384.8	3762439	1.90E-03	3.11E-04	1.44E-04
5776	437362.2	3762439	1.85E-03	3.02E-04	1.40E-04
5777	437369.6	3762419	1.65E-03	2.70E-04	1.25E-04
5778	437369.5	3762399	1.47E-03	2.41E-04	1.12E-04
5779	437384.4	3762369	1.27E-03	2.08E-04	9.64E-05
5780	437369.3	3762369	1.25E-03	2.05E-04	9.50E-05
5781	437384.2	3762339	1.09E-03	1.79E-04	8.29E-05
5782	437369.1	3762339	1.08E-03	1.76E-04	8.18E-05
5783	437384	3762309	9.51E-04	1.55E-04	7.20E-05
5784	437368.9	3762309	9.39E-04	1.53E-04	7.11E-05
5785	437383.8	3762279	8.34E-04	1.36E-04	6.32E-05
5786	437368.7	3762279	8.24E-04	1.35E-04	6.25E-05
5787	437383.6	3762249	7.38E-04	1.21E-04	5.60E-05
5788	437368.5	3762249	7.30E-04	1.19E-04	5.53E-05
5789	437383.4	3762219	6.59E-04	1.08E-04	4.99E-05
5790	437368.3	3762219	6.52E-04	1.07E-04	4.94E-05
5791	437383.2	3762189	5.92E-04	9.68E-05	4.49E-05
5792	437368.1	3762189	5.86E-04	9.58E-05	4.44E-05
5793	437383	3762159	5.36E-04	8.76E-05	4.06E-05
5794	437368	3762159	5.31E-04	8.67E-05	4.02E-05
5795	437382.9	3762129	4.88E-04	7.97E-05	3.70E-05
5796	437367.8	3762129	4.83E-04	7.90E-05	3.66E-05
5797	437382.7	3762099	4.47E-04	7.29E-05	3.38E-05
5798	437367.6	3762099	4.43E-04	7.23E-05	3.35E-05
5799	437374.4	3761979	3.27E-04	5.35E-05	2.48E-05
5800	437359.3	3761979	3.24E-04	5.30E-05	2.46E-05
5801	437359	3761939	2.97E-04	4.86E-05	2.25E-05
5802	437358.8	3761899	2.74E-04	4.48E-05	2.08E-05
5803	437353.8	3762709	2.90E-02	4.74E-03	2.20E-03
5804	437353.8	3762718	3.49E-02	5.71E-03	2.65E-03
5805	437353.8	3762728	4.19E-02	6.85E-03	3.18E-03
5806	437353.8	3762738	4.88E-02	7.97E-03	3.69E-03
5807	437353.8	3762747	5.44E-02	8.89E-03	4.12E-03
5808	437353.8	3762757	5.84E-02	9.53E-03	4.42E-03
5809	437353.8	3762767	6.09E-02	9.96E-03	4.62E-03
5810	437353.8	3762776	6.25E-02	1.02E-02	4.74E-03
5811	437353.8	3762786	6.30E-02	1.03E-02	4.77E-03
5812	437353.8	3762796	6.24E-02	1.02E-02	4.73E-03
5813	437353.8	3762806	6.12E-02	1.00E-02	4.64E-03
5814	437353.8	3762815	5.92E-02	9.67E-03	4.49E-03
5815	437353.8	3762825	5.63E-02	9.20E-03	4.27E-03
5816	437353.8	3762835	5.25E-02	8.57E-03	3.98E-03
5817	437353.8	3762844	4.77E-02	7.80E-03	3.62E-03
5818	437353.8	3762854	4.20E-02	6.87E-03	3.18E-03

5819	437343.8	3762709	2.45E-02	4.01E-03	1.86E-03
5820	437343.8	3762718	2.86E-02	4.68E-03	2.17E-03
5821	437343.8	3762728	3.32E-02	5.42E-03	2.51E-03
5822	437343.8	3762738	3.76E-02	6.15E-03	2.85E-03
5823	437343.8	3762747	4.14E-02	6.76E-03	3.14E-03
5824	437343.8	3762757	4.41E-02	7.21E-03	3.34E-03
5825	437343.8	3762767	4.60E-02	7.51E-03	3.48E-03
5826	437343.8	3762776	4.71E-02	7.69E-03	3.57E-03
5827	437343.8	3762786	4.74E-02	7.75E-03	3.60E-03
5828	437343.8	3762796	4.71E-02	7.70E-03	3.57E-03
5829	437343.8	3762806	4.62E-02	7.54E-03	3.50E-03
5830	437343.8	3762815	4.46E-02	7.29E-03	3.38E-03
5831	437343.8	3762825	4.24E-02	6.93E-03	3.22E-03
5832	437343.8	3762835	3.96E-02	6.47E-03	3.00E-03
5833	437343.8	3762844	3.63E-02	5.93E-03	2.75E-03
5834	437343.8	3762854	3.26E-02	5.32E-03	2.47E-03
5835	437313.8	3762718	1.72E-02	2.81E-03	1.30E-03
5836	437313.8	3762728	1.88E-02	3.08E-03	1.43E-03
5837	437313.8	3762738	2.04E-02	3.33E-03	1.55E-03
5838	437313.8	3762747	2.18E-02	3.56E-03	1.65E-03
5839	437313.8	3762757	2.29E-02	3.75E-03	1.74E-03
5840	437313.8	3762767	2.38E-02	3.88E-03	1.80E-03
5841	437313.8	3762776	2.43E-02	3.97E-03	1.84E-03
5842	437313.8	3762786	2.46E-02	4.02E-03	1.86E-03
5843	437313.8	3762796	2.46E-02	4.01E-03	1.86E-03
5844	437313.8	3762806	2.42E-02	3.96E-03	1.84E-03
5845	437313.8	3762815	2.36E-02	3.86E-03	1.79E-03
5846	437313.8	3762825	2.27E-02	3.71E-03	1.72E-03
5847	437313.8	3762835	2.16E-02	3.52E-03	1.63E-03
5848	437303.8	3762718	1.50E-02	2.44E-03	1.13E-03
5849	437303.8	3762728	1.62E-02	2.65E-03	1.23E-03
5850	437303.8	3762738	1.74E-02	2.84E-03	1.32E-03
5851	437303.8	3762747	1.85E-02	3.02E-03	1.40E-03
5852	437303.8	3762757	1.93E-02	3.16E-03	1.47E-03
5853	437303.8	3762767	2.00E-02	3.27E-03	1.52E-03
5854	437303.8	3762776	2.05E-02	3.34E-03	1.55E-03
5855	437303.8	3762786	2.07E-02	3.38E-03	1.57E-03
5856	437303.8	3762796	2.07E-02	3.38E-03	1.57E-03
5857	437303.8	3762806	2.04E-02	3.34E-03	1.55E-03
5858	437303.8	3762815	2.00E-02	3.26E-03	1.51E-03
5859	437303.8	3762825	1.93E-02	3.15E-03	1.46E-03
5860	437303.8	3762835	1.84E-02	3.01E-03	1.39E-03
5861	437293.8	3762718	1.31E-02	2.15E-03	9.96E-04
5862	437293.8	3762728	1.41E-02	2.31E-03	1.07E-03
5863	437293.8	3762738	1.51E-02	2.46E-03	1.14E-03
5864	437293.8	3762747	1.59E-02	2.60E-03	1.20E-03
5865	437293.8	3762757	1.66E-02	2.71E-03	1.26E-03
5866	437293.8	3762767	1.71E-02	2.79E-03	1.30E-03
5867	437293.8	3762776	1.75E-02	2.85E-03	1.32E-03
5868	437293.8	3762786	1.76E-02	2.88E-03	1.34E-03
5869	437293.8	3762796	1.76E-02	2.88E-03	1.34E-03
5870	437293.8	3762806	1.75E-02	2.85E-03	1.32E-03

5871	437293.8	3762815	1.71E-02	2.80E-03	1.30E-03
5872	437293.8	3762825	1.66E-02	2.71E-03	1.26E-03
5873	437293.8	3762835	1.59E-02	2.60E-03	1.21E-03
5874	437287.1	3762691	9.77E-03	1.60E-03	7.40E-04
5875	437283.8	3762718	1.17E-02	1.90E-03	8.83E-04
5876	437283.8	3762728	1.24E-02	2.03E-03	9.42E-04
5877	437283.8	3762738	1.32E-02	2.15E-03	9.98E-04
5878	437283.8	3762747	1.38E-02	2.26E-03	1.05E-03
5879	437283.8	3762757	1.44E-02	2.35E-03	1.09E-03
5880	437283.8	3762767	1.48E-02	2.42E-03	1.12E-03
5881	437283.8	3762776	1.51E-02	2.47E-03	1.14E-03
5882	437283.8	3762786	1.53E-02	2.49E-03	1.16E-03
5883	437283.8	3762796	1.53E-02	2.49E-03	1.16E-03
5884	437283.8	3762806	1.51E-02	2.47E-03	1.15E-03
5885	437283.8	3762815	1.48E-02	2.43E-03	1.13E-03
5886	437283.8	3762825	1.44E-02	2.36E-03	1.09E-03
5887	437283.8	3762835	1.39E-02	2.27E-03	1.05E-03
5888	437283.8	3762844	1.33E-02	2.17E-03	1.00E-03
5889	437283.6	3762675	8.31E-03	1.36E-03	6.30E-04
5890	437290.2	3762659	7.70E-03	1.26E-03	5.83E-04
5891	437296.7	3762643	7.06E-03	1.15E-03	5.35E-04
5892	437273.8	3762718	1.04E-02	1.70E-03	7.90E-04
5893	437273.8	3762728	1.11E-02	1.81E-03	8.37E-04
5894	437273.8	3762738	1.16E-02	1.90E-03	8.82E-04
5895	437273.8	3762747	1.22E-02	1.99E-03	9.23E-04
5896	437273.8	3762757	1.26E-02	2.06E-03	9.57E-04
5897	437273.8	3762767	1.30E-02	2.12E-03	9.83E-04
5898	437273.8	3762776	1.32E-02	2.16E-03	1.00E-03
5899	437273.8	3762786	1.33E-02	2.18E-03	1.01E-03
5900	437273.8	3762796	1.34E-02	2.18E-03	1.01E-03
5901	437273.8	3762806	1.32E-02	2.16E-03	1.00E-03
5902	437273.8	3762815	1.30E-02	2.13E-03	9.87E-04
5903	437273.8	3762825	1.27E-02	2.07E-03	9.62E-04
5904	437273.8	3762835	1.23E-02	2.00E-03	9.30E-04
5905	437273.8	3762844	1.17E-02	1.92E-03	8.90E-04
5906	437267.4	3762690	8.07E-03	1.32E-03	6.11E-04
5907	437263.8	3762718	9.38E-03	1.53E-03	7.11E-04
5908	437263.8	3762728	9.89E-03	1.62E-03	7.50E-04
5909	437263.8	3762738	1.04E-02	1.69E-03	7.86E-04
5910	437263.8	3762747	1.08E-02	1.77E-03	8.19E-04
5911	437263.8	3762757	1.12E-02	1.83E-03	8.47E-04
5912	437263.8	3762767	1.15E-02	1.87E-03	8.69E-04
5913	437263.8	3762776	1.17E-02	1.91E-03	8.84E-04
5914	437263.8	3762786	1.18E-02	1.92E-03	8.93E-04
5915	437263.8	3762796	1.18E-02	1.93E-03	8.93E-04
5916	437263.8	3762806	1.17E-02	1.91E-03	8.87E-04
5917	437263.8	3762815	1.15E-02	1.88E-03	8.73E-04
5918	437263.8	3762825	1.13E-02	1.84E-03	8.53E-04
5919	437263.8	3762835	1.09E-02	1.78E-03	8.26E-04
5920	437263.8	3762844	1.05E-02	1.71E-03	7.94E-04
5921	437247.3	3762690	6.79E-03	1.11E-03	5.15E-04
5922	437320.9	3762597	5.37E-03	8.77E-04	4.07E-04

5923	437346.2	3762586	5.41E-03	8.85E-04	4.10E-04
5924	437243.8	3762718	7.72E-03	1.26E-03	5.85E-04
5925	437243.8	3762728	8.08E-03	1.32E-03	6.12E-04
5926	437243.8	3762738	8.41E-03	1.37E-03	6.37E-04
5927	437243.8	3762747	8.70E-03	1.42E-03	6.59E-04
5928	437243.8	3762757	8.96E-03	1.46E-03	6.79E-04
5929	437243.8	3762767	9.16E-03	1.50E-03	6.94E-04
5930	437243.8	3762776	9.30E-03	1.52E-03	7.05E-04
5931	437243.8	3762786	9.38E-03	1.53E-03	7.11E-04
5932	437243.8	3762796	9.39E-03	1.53E-03	7.12E-04
5933	437243.8	3762806	9.34E-03	1.53E-03	7.07E-04
5934	437243.8	3762815	9.22E-03	1.51E-03	6.98E-04
5935	437243.8	3762825	9.03E-03	1.48E-03	6.84E-04
5936	437243.8	3762835	8.79E-03	1.44E-03	6.66E-04
5937	437243.8	3762844	8.49E-03	1.39E-03	6.43E-04
5938	437227.2	3762691	5.82E-03	9.52E-04	4.41E-04
5939	437305.5	3762583	4.48E-03	7.33E-04	3.40E-04
5940	437321.9	3762576	4.53E-03	7.40E-04	3.43E-04
5941	437346.5	3762566	4.52E-03	7.38E-04	3.43E-04
5942	437223.8	3762718	6.47E-03	1.06E-03	4.90E-04
5943	437223.8	3762728	6.72E-03	1.10E-03	5.09E-04
5944	437223.8	3762738	6.96E-03	1.14E-03	5.27E-04
5945	437223.8	3762747	7.17E-03	1.17E-03	5.44E-04
5946	437223.8	3762757	7.35E-03	1.20E-03	5.57E-04
5947	437223.8	3762767	7.49E-03	1.22E-03	5.68E-04
5948	437223.8	3762776	7.59E-03	1.24E-03	5.76E-04
5949	437223.8	3762786	7.65E-03	1.25E-03	5.80E-04
5950	437223.8	3762796	7.66E-03	1.25E-03	5.81E-04
5951	437223.8	3762806	7.62E-03	1.25E-03	5.78E-04
5952	437223.8	3762815	7.54E-03	1.23E-03	5.71E-04
5953	437223.8	3762825	7.41E-03	1.21E-03	5.61E-04
5954	437223.8	3762835	7.23E-03	1.18E-03	5.48E-04
5955	437223.8	3762844	7.02E-03	1.15E-03	5.32E-04
5956	437207.4	3762690	5.01E-03	8.18E-04	3.80E-04
5957	437293.6	3762568	3.81E-03	6.22E-04	2.89E-04
5958	437319.5	3762557	3.85E-03	6.29E-04	2.92E-04
5959	437336.8	3762550	3.84E-03	6.27E-04	2.91E-04
5960	437345.5	3762546	3.82E-03	6.24E-04	2.90E-04
5961	437203.8	3762718	5.49E-03	8.96E-04	4.16E-04
5962	437203.8	3762728	5.68E-03	9.28E-04	4.30E-04
5963	437203.8	3762738	5.85E-03	9.56E-04	4.44E-04
5964	437203.8	3762747	6.01E-03	9.82E-04	4.55E-04
5965	437203.8	3762757	6.14E-03	1.00E-03	4.65E-04
5966	437203.8	3762767	6.25E-03	1.02E-03	4.73E-04
5967	437203.8	3762776	6.32E-03	1.03E-03	4.79E-04
5968	437203.8	3762786	6.36E-03	1.04E-03	4.82E-04
5969	437203.8	3762796	6.37E-03	1.04E-03	4.82E-04
5970	437203.8	3762806	6.34E-03	1.04E-03	4.80E-04
5971	437203.8	3762815	6.28E-03	1.03E-03	4.75E-04
5972	437203.8	3762825	6.18E-03	1.01E-03	4.68E-04
5973	437203.8	3762835	6.05E-03	9.89E-04	4.59E-04
5974	437203.8	3762844	5.90E-03	9.64E-04	4.47E-04

5975	437187.3	3762690	4.35E-03	7.11E-04	3.30E-04
5976	437303.6	3762544	3.31E-03	5.41E-04	2.51E-04
5977	437320.5	3762537	3.31E-03	5.40E-04	2.51E-04
5978	437345.8	3762526	3.26E-03	5.33E-04	2.47E-04
5979	437183.8	3762718	4.71E-03	7.70E-04	3.57E-04
5980	437183.8	3762728	4.86E-03	7.94E-04	3.68E-04
5981	437183.8	3762738	4.99E-03	8.15E-04	3.78E-04
5982	437183.8	3762747	5.11E-03	8.34E-04	3.87E-04
5983	437183.8	3762757	5.21E-03	8.50E-04	3.94E-04
5984	437265.9	3762539	2.84E-03	4.64E-04	2.15E-04
5985	437274.7	3762536	2.86E-03	4.67E-04	2.17E-04
5986	437292.2	3762528	2.88E-03	4.70E-04	2.18E-04
5987	437318.6	3762517	2.86E-03	4.68E-04	2.17E-04
5988	437336.2	3762510	2.83E-03	4.63E-04	2.15E-04
5989	437345	3762506	2.81E-03	4.59E-04	2.13E-04
5990	437147.4	3762690	3.36E-03	5.50E-04	2.55E-04
5991	437250.7	3762526	2.49E-03	4.07E-04	1.89E-04
5992	437276.5	3762515	2.52E-03	4.12E-04	1.91E-04
5993	437293.7	3762508	2.52E-03	4.12E-04	1.91E-04
5994	437319.5	3762497	2.50E-03	4.08E-04	1.89E-04
5995	437336.6	3762490	2.46E-03	4.02E-04	1.87E-04
5996	437345.2	3762486	2.44E-03	3.99E-04	1.85E-04
5997	437143.8	3762699	3.39E-03	5.53E-04	2.57E-04
5998	437143.8	3762709	3.49E-03	5.70E-04	2.64E-04
5999	437143.8	3762718	3.58E-03	5.85E-04	2.71E-04
6000	437143.8	3762728	3.67E-03	6.00E-04	2.78E-04
6001	437143.8	3762738	3.75E-03	6.13E-04	2.84E-04
6002	437143.8	3762747	3.82E-03	6.24E-04	2.89E-04
6003	437143.8	3762757	3.88E-03	6.34E-04	2.94E-04
6004	437143.8	3762767	3.92E-03	6.41E-04	2.97E-04
6005	437143.8	3762776	3.95E-03	6.46E-04	3.00E-04
6006	437143.8	3762786	3.97E-03	6.49E-04	3.01E-04
6007	437143.8	3762796	3.97E-03	6.49E-04	3.01E-04
6008	437143.8	3762806	3.96E-03	6.47E-04	3.00E-04
6009	437143.8	3762815	3.93E-03	6.42E-04	2.98E-04
6010	437143.8	3762825	3.89E-03	6.35E-04	2.95E-04
6011	437143.8	3762835	3.83E-03	6.26E-04	2.90E-04
6012	437127.5	3762690	2.99E-03	4.89E-04	2.27E-04
6013	437238	3762511	2.20E-03	3.60E-04	1.67E-04
6014	437246.8	3762507	2.22E-03	3.62E-04	1.68E-04
6015	437264.6	3762500	2.23E-03	3.65E-04	1.69E-04
6016	437291.3	3762489	2.23E-03	3.64E-04	1.69E-04
6017	437317.9	3762478	2.19E-03	3.58E-04	1.66E-04
6018	437335.7	3762470	2.16E-03	3.53E-04	1.64E-04
6019	437344.5	3762466	2.14E-03	3.49E-04	1.62E-04
6020	437123.8	3762699	3.01E-03	4.91E-04	2.28E-04
6021	437123.8	3762709	3.09E-03	5.04E-04	2.34E-04
6022	437123.8	3762718	3.16E-03	5.17E-04	2.40E-04
6023	437123.8	3762728	3.23E-03	5.28E-04	2.45E-04
6024	437123.8	3762738	3.30E-03	5.39E-04	2.50E-04
6025	437123.8	3762747	3.35E-03	5.47E-04	2.54E-04
6026	437123.8	3762757	3.40E-03	5.55E-04	2.57E-04

6027	437123.8	3762767	3.43E-03	5.61E-04	2.60E-04
6028	437123.8	3762776	3.46E-03	5.65E-04	2.62E-04
6029	437123.8	3762786	3.47E-03	5.67E-04	2.63E-04
6030	437123.8	3762796	3.47E-03	5.67E-04	2.63E-04
6031	437123.8	3762806	3.46E-03	5.65E-04	2.62E-04
6032	437123.8	3762815	3.44E-03	5.61E-04	2.60E-04
6033	437123.8	3762825	3.40E-03	5.56E-04	2.58E-04
6034	437123.8	3762835	3.36E-03	5.48E-04	2.54E-04
6035	437107.4	3762690	2.68E-03	4.37E-04	2.03E-04
6036	437214.2	3762501	1.95E-03	3.18E-04	1.48E-04
6037	437222.9	3762497	1.96E-03	3.20E-04	1.49E-04
6038	437249	3762486	1.99E-03	3.25E-04	1.51E-04
6039	437275.1	3762475	1.99E-03	3.25E-04	1.51E-04
6040	437292.5	3762468	1.97E-03	3.22E-04	1.50E-04
6041	437318.6	3762457	1.94E-03	3.16E-04	1.47E-04
6042	437336.1	3762450	1.90E-03	3.11E-04	1.44E-04
6043	437344.8	3762446	1.88E-03	3.08E-04	1.43E-04
6044	437103.8	3762699	2.69E-03	4.39E-04	2.04E-04
6045	437103.8	3762709	2.75E-03	4.50E-04	2.09E-04
6046	437103.8	3762718	2.81E-03	4.60E-04	2.13E-04
6047	437103.8	3762728	2.87E-03	4.69E-04	2.17E-04
6048	437103.8	3762738	2.92E-03	4.77E-04	2.21E-04
6049	437103.8	3762747	2.96E-03	4.84E-04	2.25E-04
6050	437103.8	3762757	3.00E-03	4.90E-04	2.27E-04
6051	437103.8	3762767	3.03E-03	4.95E-04	2.29E-04
6052	437103.8	3762776	3.05E-03	4.98E-04	2.31E-04
6053	437103.8	3762786	3.06E-03	4.99E-04	2.32E-04
6054	437103.8	3762796	3.06E-03	4.99E-04	2.32E-04
6055	437103.8	3762806	3.05E-03	4.98E-04	2.31E-04
6056	437103.8	3762815	3.03E-03	4.95E-04	2.29E-04
6057	437103.8	3762825	3.00E-03	4.90E-04	2.27E-04
6058	437103.8	3762835	2.96E-03	4.84E-04	2.25E-04
6059	437087.3	3762690	2.41E-03	3.93E-04	1.82E-04
6060	437199.4	3762487	1.74E-03	2.85E-04	1.32E-04
6061	437208	3762484	1.76E-03	2.87E-04	1.33E-04
6062	437233.7	3762473	1.78E-03	2.91E-04	1.35E-04
6063	437250.8	3762466	1.78E-03	2.91E-04	1.35E-04
6064	437267.9	3762458	1.78E-03	2.91E-04	1.35E-04
6065	437276.5	3762455	1.77E-03	2.90E-04	1.34E-04
6066	437293.6	3762448	1.76E-03	2.87E-04	1.33E-04
6067	437310.7	3762440	1.73E-03	2.83E-04	1.31E-04
6068	437336.4	3762430	1.69E-03	2.76E-04	1.28E-04
6069	437353.5	3762423	1.65E-03	2.70E-04	1.25E-04
6070	437083.8	3762699	2.41E-03	3.94E-04	1.83E-04
6071	437083.8	3762709	2.47E-03	4.03E-04	1.87E-04
6072	437083.8	3762718	2.52E-03	4.12E-04	1.91E-04
6073	437083.8	3762728	2.57E-03	4.19E-04	1.94E-04
6074	437083.8	3762738	2.61E-03	4.26E-04	1.98E-04
6075	437083.8	3762747	2.64E-03	4.32E-04	2.00E-04
6076	437083.8	3762757	2.67E-03	4.36E-04	2.02E-04
6077	437083.8	3762767	2.69E-03	4.40E-04	2.04E-04
6078	437083.8	3762776	2.71E-03	4.42E-04	2.05E-04

6079	437083.8	3762786	2.71E-03	4.43E-04	2.06E-04
6080	437083.8	3762796	2.71E-03	4.43E-04	2.06E-04
6081	437083.8	3762806	2.71E-03	4.42E-04	2.05E-04
6082	437083.8	3762815	2.69E-03	4.40E-04	2.04E-04
6083	437083.8	3762825	2.67E-03	4.36E-04	2.02E-04
6084	437083.8	3762835	2.64E-03	4.31E-04	2.00E-04
6085	437074.7	3762672	2.15E-03	3.52E-04	1.63E-04
6086	437078.3	3762664	2.14E-03	3.49E-04	1.62E-04
6087	437082	3762655	2.12E-03	3.46E-04	1.61E-04
6088	437085.6	3762646	2.10E-03	3.43E-04	1.59E-04
6089	437089.2	3762637	2.08E-03	3.39E-04	1.57E-04
6090	437092.9	3762628	2.05E-03	3.35E-04	1.55E-04
6091	437096.5	3762620	2.02E-03	3.31E-04	1.53E-04
6092	437100.1	3762611	2.00E-03	3.26E-04	1.51E-04
6093	437103.8	3762602	1.97E-03	3.21E-04	1.49E-04
6094	437107.4	3762593	1.94E-03	3.16E-04	1.47E-04
6095	437114.7	3762576	1.87E-03	3.06E-04	1.42E-04
6096	437118.3	3762567	1.84E-03	3.00E-04	1.39E-04
6097	437121.9	3762558	1.81E-03	2.95E-04	1.37E-04
6098	437125.6	3762549	1.77E-03	2.89E-04	1.34E-04
6099	437132.8	3762532	1.70E-03	2.78E-04	1.29E-04
6100	437136.5	3762523	1.67E-03	2.72E-04	1.26E-04
6101	437140.1	3762514	1.63E-03	2.66E-04	1.23E-04
6102	437143.7	3762505	1.59E-03	2.60E-04	1.21E-04
6103	437186.2	3762473	1.57E-03	2.57E-04	1.19E-04
6104	437194.9	3762469	1.58E-03	2.59E-04	1.20E-04
6105	437203.7	3762465	1.59E-03	2.60E-04	1.21E-04
6106	437221.3	3762458	1.60E-03	2.62E-04	1.22E-04
6107	437238.9	3762451	1.61E-03	2.62E-04	1.22E-04
6108	437247.7	3762447	1.61E-03	2.62E-04	1.22E-04
6109	437265.2	3762439	1.60E-03	2.61E-04	1.21E-04
6110	437282.8	3762432	1.58E-03	2.59E-04	1.20E-04
6111	437291.6	3762428	1.57E-03	2.57E-04	1.19E-04
6112	437309.2	3762421	1.55E-03	2.53E-04	1.17E-04
6113	437326.8	3762414	1.52E-03	2.49E-04	1.15E-04
6114	437335.6	3762410	1.51E-03	2.46E-04	1.14E-04
6115	437353.1	3762403	1.48E-03	2.41E-04	1.12E-04
6116	437063.8	3762709	2.22E-03	3.63E-04	1.69E-04
6117	437063.8	3762718	2.27E-03	3.70E-04	1.72E-04
6118	437063.8	3762728	2.31E-03	3.77E-04	1.75E-04
6119	437063.8	3762738	2.34E-03	3.82E-04	1.77E-04
6120	437063.8	3762747	2.37E-03	3.87E-04	1.79E-04
6121	437063.8	3762757	2.39E-03	3.91E-04	1.81E-04
6122	437063.8	3762767	2.41E-03	3.94E-04	1.83E-04
6123	437063.8	3762776	2.42E-03	3.95E-04	1.83E-04
6124	437063.8	3762786	2.43E-03	3.96E-04	1.84E-04
6125	437063.8	3762796	2.43E-03	3.96E-04	1.84E-04
6126	437063.8	3762806	2.42E-03	3.95E-04	1.83E-04
6127	437063.8	3762815	2.41E-03	3.93E-04	1.82E-04
6128	437063.8	3762825	2.39E-03	3.90E-04	1.81E-04
6129	437063.8	3762835	2.37E-03	3.86E-04	1.79E-04
6130	437063.8	3762844	2.34E-03	3.82E-04	1.77E-04

6131	437044.9	3762672	1.87E-03	3.06E-04	1.42E-04
6132	437048.6	3762663	1.86E-03	3.04E-04	1.41E-04
6133	437052.3	3762654	1.85E-03	3.02E-04	1.40E-04
6134	437055.9	3762645	1.83E-03	2.99E-04	1.39E-04
6135	437059.6	3762636	1.81E-03	2.96E-04	1.37E-04
6136	437067	3762618	1.77E-03	2.90E-04	1.34E-04
6137	437070.7	3762609	1.75E-03	2.86E-04	1.33E-04
6138	437074.4	3762601	1.73E-03	2.82E-04	1.31E-04
6139	437078.1	3762592	1.70E-03	2.78E-04	1.29E-04
6140	437081.8	3762583	1.68E-03	2.74E-04	1.27E-04
6141	437085.5	3762574	1.65E-03	2.70E-04	1.25E-04
6142	437089.1	3762565	1.62E-03	2.65E-04	1.23E-04
6143	437096.5	3762547	1.57E-03	2.57E-04	1.19E-04
6144	437100.2	3762538	1.55E-03	2.53E-04	1.17E-04
6145	437103.9	3762529	1.52E-03	2.48E-04	1.15E-04
6146	437107.6	3762520	1.49E-03	2.44E-04	1.13E-04
6147	437115	3762502	1.43E-03	2.34E-04	1.09E-04
6148	437118.7	3762493	1.40E-03	2.29E-04	1.06E-04
6149	437183.3	3762444	1.38E-03	2.25E-04	1.04E-04
6150	437192.2	3762440	1.38E-03	2.26E-04	1.05E-04
6151	437201.1	3762436	1.39E-03	2.27E-04	1.05E-04
6152	437210	3762433	1.39E-03	2.27E-04	1.05E-04
6153	437219	3762429	1.39E-03	2.27E-04	1.06E-04
6154	437227.9	3762425	1.39E-03	2.27E-04	1.05E-04
6155	437236.8	3762421	1.39E-03	2.27E-04	1.05E-04
6156	437245.7	3762418	1.38E-03	2.26E-04	1.05E-04
6157	437254.7	3762414	1.38E-03	2.25E-04	1.04E-04
6158	437263.6	3762410	1.37E-03	2.24E-04	1.04E-04
6159	437272.5	3762406	1.36E-03	2.23E-04	1.03E-04
6160	437281.4	3762403	1.36E-03	2.21E-04	1.03E-04
6161	437290.3	3762399	1.35E-03	2.20E-04	1.02E-04
6162	437299.3	3762395	1.33E-03	2.18E-04	1.01E-04
6163	437308.2	3762391	1.32E-03	2.16E-04	1.00E-04
6164	437317.1	3762388	1.31E-03	2.14E-04	9.93E-05
6165	437326	3762384	1.30E-03	2.12E-04	9.83E-05
6166	437335	3762380	1.28E-03	2.10E-04	9.73E-05
6167	437343.9	3762376	1.27E-03	2.08E-04	9.63E-05
6168	437352.8	3762373	1.26E-03	2.05E-04	9.53E-05
6169	437033.8	3762709	1.92E-03	3.14E-04	1.46E-04
6170	437033.8	3762718	1.95E-03	3.19E-04	1.48E-04
6171	437033.8	3762728	1.98E-03	3.24E-04	1.50E-04
6172	437033.8	3762738	2.01E-03	3.28E-04	1.52E-04
6173	437033.8	3762747	2.03E-03	3.32E-04	1.54E-04
6174	437033.8	3762757	2.05E-03	3.35E-04	1.55E-04
6175	437033.8	3762767	2.06E-03	3.37E-04	1.56E-04
6176	437033.8	3762776	2.07E-03	3.38E-04	1.57E-04
6177	437033.8	3762786	2.07E-03	3.39E-04	1.57E-04
6178	437033.8	3762796	2.07E-03	3.39E-04	1.57E-04
6179	437033.8	3762806	2.07E-03	3.38E-04	1.57E-04
6180	437033.8	3762815	2.06E-03	3.36E-04	1.56E-04
6181	437033.8	3762825	2.04E-03	3.34E-04	1.55E-04
6182	437033.8	3762835	2.03E-03	3.31E-04	1.53E-04

6183	437033.8	3762844	2.00E-03	3.27E-04	1.52E-04
6184	437014.6	3762673	1.64E-03	2.68E-04	1.24E-04
6185	437018.2	3762664	1.64E-03	2.67E-04	1.24E-04
6186	437021.8	3762655	1.63E-03	2.66E-04	1.23E-04
6187	437025.5	3762646	1.61E-03	2.64E-04	1.22E-04
6188	437029.1	3762638	1.60E-03	2.62E-04	1.21E-04
6189	437032.7	3762629	1.59E-03	2.59E-04	1.20E-04
6190	437036.3	3762620	1.57E-03	2.57E-04	1.19E-04
6191	437039.9	3762611	1.56E-03	2.54E-04	1.18E-04
6192	437043.5	3762603	1.54E-03	2.51E-04	1.17E-04
6193	437047.1	3762594	1.52E-03	2.48E-04	1.15E-04
6194	437050.7	3762585	1.50E-03	2.45E-04	1.13E-04
6195	437054.3	3762576	1.48E-03	2.41E-04	1.12E-04
6196	437057.9	3762568	1.45E-03	2.37E-04	1.10E-04
6197	437061.5	3762559	1.43E-03	2.34E-04	1.09E-04
6198	437065.1	3762550	1.41E-03	2.31E-04	1.07E-04
6199	437072.4	3762533	1.37E-03	2.24E-04	1.04E-04
6200	437076	3762524	1.35E-03	2.21E-04	1.03E-04
6201	437079.6	3762515	1.33E-03	2.18E-04	1.01E-04
6202	437083.2	3762506	1.31E-03	2.14E-04	9.93E-05
6203	437090.4	3762489	1.27E-03	2.07E-04	9.59E-05
6204	437117.2	3762441	1.16E-03	1.90E-04	8.81E-05
6205	437143.4	3762431	1.19E-03	1.95E-04	9.03E-05
6206	437178.3	3762416	1.21E-03	1.98E-04	9.19E-05
6207	437187	3762412	1.22E-03	1.99E-04	9.21E-05
6208	437195.7	3762409	1.22E-03	1.99E-04	9.22E-05
6209	437204.4	3762405	1.22E-03	1.99E-04	9.22E-05
6210	437213.2	3762401	1.21E-03	1.98E-04	9.21E-05
6211	437221.9	3762398	1.21E-03	1.98E-04	9.19E-05
6212	437230.6	3762394	1.21E-03	1.97E-04	9.16E-05
6213	437239.4	3762390	1.20E-03	1.97E-04	9.12E-05
6214	437248.1	3762387	1.20E-03	1.96E-04	9.08E-05
6215	437256.8	3762383	1.19E-03	1.95E-04	9.03E-05
6216	437265.5	3762379	1.18E-03	1.93E-04	8.97E-05
6217	437274.3	3762376	1.18E-03	1.92E-04	8.91E-05
6218	437283	3762372	1.17E-03	1.91E-04	8.84E-05
6219	437291.7	3762368	1.16E-03	1.89E-04	8.77E-05
6220	437300.4	3762365	1.15E-03	1.87E-04	8.69E-05
6221	437309.2	3762361	1.14E-03	1.86E-04	8.61E-05
6222	437317.9	3762357	1.13E-03	1.84E-04	8.53E-05
6223	437326.6	3762354	1.12E-03	1.82E-04	8.45E-05
6224	437335.4	3762350	1.10E-03	1.80E-04	8.37E-05
6225	437344.1	3762346	1.09E-03	1.79E-04	8.29E-05
6226	437352.8	3762343	1.08E-03	1.77E-04	8.20E-05
6227	437003.8	3762709	1.68E-03	2.74E-04	1.27E-04
6228	437003.8	3762718	1.70E-03	2.78E-04	1.29E-04
6229	437003.8	3762728	1.73E-03	2.82E-04	1.31E-04
6230	437003.8	3762738	1.75E-03	2.85E-04	1.32E-04
6231	437003.8	3762747	1.76E-03	2.88E-04	1.34E-04
6232	437003.8	3762757	1.77E-03	2.90E-04	1.34E-04
6233	437003.8	3762767	1.78E-03	2.91E-04	1.35E-04
6234	437003.8	3762776	1.79E-03	2.92E-04	1.36E-04

6235	437003.8	3762786	1.79E-03	2.93E-04	1.36E-04
6236	437003.8	3762796	1.79E-03	2.92E-04	1.36E-04
6237	437003.8	3762806	1.79E-03	2.92E-04	1.35E-04
6238	437003.8	3762815	1.78E-03	2.90E-04	1.35E-04
6239	437003.8	3762825	1.77E-03	2.89E-04	1.34E-04
6240	437003.8	3762835	1.75E-03	2.86E-04	1.33E-04
6241	437003.8	3762844	1.74E-03	2.84E-04	1.32E-04
6242	436984.8	3762672	1.45E-03	2.37E-04	1.10E-04
6243	436988.4	3762663	1.45E-03	2.37E-04	1.10E-04
6244	436992.1	3762655	1.44E-03	2.35E-04	1.09E-04
6245	436995.7	3762646	1.43E-03	2.34E-04	1.09E-04
6246	436999.4	3762637	1.42E-03	2.32E-04	1.08E-04
6247	437003.1	3762628	1.41E-03	2.30E-04	1.07E-04
6248	437006.7	3762619	1.40E-03	2.28E-04	1.06E-04
6249	437010.4	3762610	1.38E-03	2.26E-04	1.05E-04
6250	437014	3762601	1.37E-03	2.24E-04	1.04E-04
6251	437017.7	3762593	1.35E-03	2.21E-04	1.03E-04
6252	437021.3	3762584	1.34E-03	2.19E-04	1.01E-04
6253	437025	3762575	1.32E-03	2.16E-04	1.00E-04
6254	437028.7	3762566	1.30E-03	2.13E-04	9.86E-05
6255	437032.3	3762557	1.28E-03	2.10E-04	9.73E-05
6256	437036	3762548	1.27E-03	2.07E-04	9.60E-05
6257	437039.6	3762539	1.25E-03	2.04E-04	9.47E-05
6258	437043.3	3762530	1.23E-03	2.01E-04	9.34E-05
6259	437046.9	3762522	1.22E-03	1.99E-04	9.22E-05
6260	437050.6	3762513	1.20E-03	1.96E-04	9.09E-05
6261	437054.3	3762504	1.18E-03	1.93E-04	8.96E-05
6262	437057.9	3762495	1.16E-03	1.90E-04	8.82E-05
6263	437076.2	3762451	1.07E-03	1.75E-04	8.12E-05
6264	437079.9	3762442	1.05E-03	1.72E-04	7.98E-05
6265	437083.5	3762433	1.03E-03	1.69E-04	7.84E-05
6266	437096	3762420	1.03E-03	1.68E-04	7.78E-05
6267	437131.4	3762405	1.06E-03	1.73E-04	8.01E-05
6268	437140.2	3762402	1.06E-03	1.73E-04	8.04E-05
6269	437149.1	3762398	1.07E-03	1.74E-04	8.07E-05
6270	437184.5	3762383	1.07E-03	1.75E-04	8.12E-05
6271	437193.3	3762379	1.07E-03	1.75E-04	8.11E-05
6272	437202.1	3762376	1.07E-03	1.75E-04	8.10E-05
6273	437211	3762372	1.07E-03	1.74E-04	8.08E-05
6274	437219.8	3762368	1.06E-03	1.74E-04	8.05E-05
6275	437228.7	3762365	1.06E-03	1.73E-04	8.02E-05
6276	437237.5	3762361	1.05E-03	1.72E-04	7.97E-05
6277	437246.4	3762357	1.05E-03	1.71E-04	7.93E-05
6278	437255.2	3762353	1.04E-03	1.70E-04	7.88E-05
6279	437264.1	3762350	1.03E-03	1.69E-04	7.82E-05
6280	437272.9	3762346	1.02E-03	1.67E-04	7.76E-05
6281	437281.7	3762342	1.02E-03	1.66E-04	7.70E-05
6282	437290.6	3762339	1.01E-03	1.64E-04	7.63E-05
6283	437299.4	3762335	9.98E-04	1.63E-04	7.56E-05
6284	437308.3	3762331	9.88E-04	1.61E-04	7.49E-05
6285	437317.1	3762327	9.79E-04	1.60E-04	7.42E-05
6286	437326	3762324	9.69E-04	1.58E-04	7.35E-05

6287	437334.8	3762320	9.60E-04	1.57E-04	7.27E-05
6288	437343.7	3762316	9.51E-04	1.55E-04	7.20E-05
6289	437352.5	3762313	9.42E-04	1.54E-04	7.14E-05
6290	436973.8	3762709	1.48E-03	2.42E-04	1.12E-04
6291	436973.8	3762718	1.50E-03	2.45E-04	1.14E-04
6292	436973.8	3762728	1.52E-03	2.48E-04	1.15E-04
6293	436973.8	3762738	1.53E-03	2.50E-04	1.16E-04
6294	436973.8	3762747	1.54E-03	2.52E-04	1.17E-04
6295	436973.8	3762757	1.55E-03	2.54E-04	1.18E-04
6296	436973.8	3762767	1.56E-03	2.55E-04	1.18E-04
6297	436973.8	3762776	1.56E-03	2.55E-04	1.18E-04
6298	436973.8	3762786	1.56E-03	2.56E-04	1.19E-04
6299	436973.8	3762796	1.56E-03	2.55E-04	1.18E-04
6300	436973.8	3762806	1.56E-03	2.55E-04	1.18E-04
6301	436973.8	3762815	1.55E-03	2.54E-04	1.18E-04
6302	436973.8	3762825	1.54E-03	2.52E-04	1.17E-04
6303	436973.8	3762835	1.53E-03	2.50E-04	1.16E-04
6304	436973.8	3762844	1.52E-03	2.48E-04	1.15E-04
6305	436954.6	3762673	1.30E-03	2.12E-04	9.82E-05
6306	436958.2	3762664	1.29E-03	2.11E-04	9.79E-05
6307	436961.8	3762655	1.29E-03	2.10E-04	9.76E-05
6308	436965.3	3762647	1.28E-03	2.09E-04	9.71E-05
6309	436968.9	3762638	0.001273726	2.08E-04	9.65E-05
6310	436972.5	3762629	0.001265214	2.07E-04	9.59E-05
6311	436976.1	3762621	0.001255768	2.05E-04	9.52E-05
6312	436979.7	3762612	0.001245385	2.03E-04	9.44E-05
6313	436983.3	3762603	0.001234349	2.02E-04	9.35E-05
6314	436986.9	3762594	0.001222376	2.00E-04	9.26E-05
6315	436990.5	3762586	0.001209656	1.98E-04	9.17E-05
6316	436994.1	3762577	0.001196374	1.95E-04	9.07E-05
6317	436997.7	3762568	0.001182438	1.93E-04	8.96E-05
6318	437001.3	3762560	0.001167847	1.91E-04	8.85E-05
6319	437004.8	3762551	0.001152882	1.88E-04	8.74E-05
6320	437008.4	3762542	0.001137636	1.86E-04	8.62E-05
6321	437012	3762533	0.001123419	1.84E-04	8.51E-05
6322	437015.6	3762525	0.00110967	1.81E-04	8.41E-05
6323	437019.2	3762516	0.001095827	1.79E-04	8.30E-05
6324	437022.8	3762507	0.00108161	1.77E-04	8.20E-05
6325	437030	3762490	0.001052615	1.72E-04	7.98E-05
6326	437047.9	3762446	0.000977789	1.60E-04	7.41E-05
6327	437051.5	3762438	0.000963946	1.57E-04	7.30E-05
6328	437055.1	3762429	0.000949542	1.55E-04	7.20E-05
6329	437058.7	3762420	0.00093467	1.53E-04	7.08E-05
6330	437074.6	3762399	0.000911194	1.49E-04	6.90E-05
6331	437100.6	3762388	0.000931771	1.52E-04	7.06E-05
6332	437109.3	3762385	0.000937009	1.53E-04	7.10E-05
6333	437118	3762381	0.000941592	1.54E-04	7.13E-05
6334	437126.7	3762377	0.000945427	1.54E-04	7.16E-05
6335	437135.4	3762374	0.00094842	1.55E-04	7.19E-05
6336	437144	3762370	0.000950384	1.55E-04	7.20E-05
6337	437178.8	3762355	0.000948794	1.55E-04	7.19E-05
6338	437187.5	3762352	0.00094711	1.55E-04	7.18E-05

6339	437196.2	3762348	0.000944585	1.54E-04	7.16E-05
6340	437204.8	3762345	0.000941498	1.54E-04	7.13E-05
6341	437213.5	3762341	0.000937757	1.53E-04	7.11E-05
6342	437222.2	3762337	0.000933455	1.52E-04	7.07E-05
6343	437230.9	3762334	0.000928684	1.52E-04	7.04E-05
6344	437239.6	3762330	0.000923166	1.51E-04	7.00E-05
6345	437248.3	3762326	0.000917086	1.50E-04	6.95E-05
6346	437256.9	3762323	0.000910539	1.49E-04	6.90E-05
6347	437265.6	3762319	0.000903618	1.48E-04	6.85E-05
6348	437274.3	3762315	0.000896322	1.46E-04	6.79E-05
6349	437283	3762312	0.00088884	1.45E-04	6.74E-05
6350	437291.7	3762308	0.000880983	1.44E-04	6.68E-05
6351	437300.4	3762304	0.000873126	1.43E-04	6.62E-05
6352	437309.1	3762301	0.000865176	1.41E-04	6.56E-05
6353	437317.7	3762297	0.000857226	1.40E-04	6.50E-05
6354	437326.4	3762294	0.000849275	1.39E-04	6.44E-05
6355	437335.1	3762290	0.000841512	1.37E-04	6.38E-05
6356	437343.8	3762286	0.00083403	1.36E-04	6.32E-05
6357	437352.5	3762283	0.000826827	1.35E-04	6.27E-05
6358	436943.8	3762709	0.001313664	2.15E-04	9.95E-05
6359	436943.8	3762718	0.001328536	2.17E-04	1.01E-04
6360	436943.8	3762728	0.001341537	2.19E-04	1.02E-04
6361	436943.8	3762738	0.001352574	2.21E-04	1.02E-04
6362	436943.8	3762747	0.00136174	2.22E-04	1.03E-04
6363	436943.8	3762757	0.001369035	2.24E-04	1.04E-04
6364	436943.8	3762767	0.001374367	2.25E-04	1.04E-04
6365	436943.8	3762776	0.00137736	2.25E-04	1.04E-04
6366	436943.8	3762786	0.001378108	2.25E-04	1.04E-04
6367	436943.8	3762796	0.001376705	2.25E-04	1.04E-04
6368	436943.8	3762806	0.001373244	2.24E-04	1.04E-04
6369	436943.8	3762815	0.001367819	2.23E-04	1.04E-04
6370	436943.8	3762825	0.001360617	2.22E-04	1.03E-04
6371	436943.8	3762835	0.001351545	2.21E-04	1.02E-04
6372	436943.8	3762844	0.001340882	2.19E-04	1.02E-04
6373	436924.7	3762672	0.001162516	1.90E-04	8.81E-05
6374	436928.3	3762664	0.001160084	1.90E-04	8.79E-05
6375	436932	3762655	0.00115653	1.89E-04	8.76E-05
6376	436935.6	3762646	0.001151759	1.88E-04	8.73E-05
6377	436939.2	3762637	0.00114596	1.87E-04	8.68E-05
6378	436942.9	3762628	0.00113932	1.86E-04	8.63E-05
6379	436946.5	3762620	0.001131837	1.85E-04	8.58E-05
6380	436950.1	3762611	0.001123606	1.84E-04	8.51E-05
6381	436953.8	3762602	0.001114627	1.82E-04	8.45E-05
6382	436957.4	3762593	0.001104712	1.80E-04	8.37E-05
6383	436964.7	3762576	0.0010832	1.77E-04	8.21E-05
6384	436968.3	3762567	0.001071976	1.75E-04	8.12E-05
6385	436971.9	3762558	0.001060191	1.73E-04	8.03E-05
6386	436975.6	3762549	0.001048125	1.71E-04	7.94E-05
6387	436982.8	3762532	0.001023713	1.67E-04	7.76E-05
6388	436986.5	3762523	0.001011741	1.65E-04	7.67E-05
6389	436990.1	3762514	0.000999676	1.63E-04	7.58E-05
6390	436993.7	3762505	0.000986955	1.61E-04	7.48E-05

6391	436997.4	3762496	0.000973954	1.59E-04	7.38E-05
6392	437015.5	3762452	0.000911568	1.49E-04	6.91E-05
6393	437019.2	3762443	0.000899783	1.47E-04	6.82E-05
6394	437022.8	3762435	0.000887998	1.45E-04	6.73E-05
6395	437030.1	3762417	0.000863305	1.41E-04	6.54E-05
6396	437033.7	3762408	0.000850304	1.39E-04	6.44E-05
6397	437037.3	3762399	0.000837022	1.37E-04	6.34E-05
6398	437041	3762391	0.000823554	1.35E-04	6.24E-05
6399	437053.4	3762378	0.000816165	1.33E-04	6.18E-05
6400	437088.5	3762363	0.000836274	1.37E-04	6.34E-05
6401	437097.3	3762360	0.000839922	1.37E-04	6.36E-05
6402	437106.1	3762356	0.000842541	1.38E-04	6.38E-05
6403	437114.9	3762352	0.000844505	1.38E-04	6.40E-05
6404	437123.7	3762349	0.00084544	1.38E-04	6.41E-05
6405	437132.5	3762345	0.000845908	1.38E-04	6.41E-05
6406	437141.3	3762341	0.000846843	1.38E-04	6.42E-05
6407	437185.2	3762323	0.000843009	1.38E-04	6.39E-05
6408	437194	3762319	0.000840296	1.37E-04	6.37E-05
6409	437202.8	3762315	0.000836835	1.37E-04	6.34E-05
6410	437211.6	3762312	0.000832907	1.36E-04	6.31E-05
6411	437220.4	3762308	0.000828324	1.35E-04	6.28E-05
6412	437229.2	3762304	0.00082318	1.34E-04	6.24E-05
6413	437237.9	3762301	0.000817568	1.34E-04	6.20E-05
6414	437246.7	3762297	0.000811582	1.33E-04	6.15E-05
6415	437255.5	3762293	0.000805315	1.32E-04	6.10E-05
6416	437264.3	3762290	0.000798861	1.31E-04	6.05E-05
6417	437273.1	3762286	0.00079222	1.29E-04	6.00E-05
6418	437281.9	3762282	0.000785393	1.28E-04	5.95E-05
6419	437290.7	3762278	0.000778471	1.27E-04	5.90E-05
6420	437299.5	3762275	0.000771643	1.26E-04	5.85E-05
6421	437308.2	3762271	0.000764815	1.25E-04	5.80E-05
6422	437317	3762267	0.000757988	1.24E-04	5.74E-05
6423	437325.8	3762264	0.000751347	1.23E-04	5.69E-05
6424	437334.6	3762260	0.000744799	1.22E-04	5.64E-05
6425	437343.4	3762256	0.000738439	1.21E-04	5.60E-05
6426	437352.2	3762253	0.00073236	1.20E-04	5.55E-05
6427	436913.8	3762709	0.001174301	1.92E-04	8.90E-05
6428	436913.8	3762718	0.001185899	1.94E-04	8.99E-05
6429	436913.8	3762728	0.001195907	1.95E-04	9.06E-05
6430	436913.8	3762738	0.001204418	1.97E-04	9.13E-05
6431	436913.8	3762747	0.001211246	1.98E-04	9.18E-05
6432	436913.8	3762757	0.001216484	1.99E-04	9.22E-05
6433	436913.8	3762767	0.001220225	1.99E-04	9.25E-05
6434	436913.8	3762776	0.001222189	2.00E-04	9.26E-05
6435	436913.8	3762786	0.001222376	2.00E-04	9.26E-05
6436	436913.8	3762796	0.001220973	1.99E-04	9.25E-05
6437	436913.8	3762806	0.001217887	1.99E-04	9.23E-05
6438	436913.8	3762815	0.001213491	1.98E-04	9.20E-05
6439	436913.8	3762825	0.001207879	1.97E-04	9.15E-05
6440	436913.8	3762835	0.001200677	1.96E-04	9.10E-05
6441	436913.8	3762844	0.001192072	1.95E-04	9.03E-05
6442	436894.8	3762672	0.001047471	1.71E-04	7.94E-05

6443	436898.5	3762663	0.001046068	1.71E-04	7.93E-05
6444	436902.2	3762654	0.001043542	1.70E-04	7.91E-05
6445	436905.8	3762645	0.001040081	1.70E-04	7.88E-05
6446	436909.5	3762637	0.001035779	1.69E-04	7.85E-05
6447	436913.2	3762628	0.001030541	1.68E-04	7.81E-05
6448	436916.8	3762619	0.001024555	1.67E-04	7.76E-05
6449	436920.5	3762610	0.001017914	1.66E-04	7.71E-05
6450	436924.2	3762601	0.001010432	1.65E-04	7.66E-05
6451	436927.9	3762592	0.001002575	1.64E-04	7.60E-05
6452	436931.5	3762583	0.000994157	1.62E-04	7.53E-05
6453	436935.2	3762574	0.000985271	1.61E-04	7.47E-05
6454	436938.9	3762565	0.000975918	1.59E-04	7.40E-05
6455	436942.6	3762556	0.000966191	1.58E-04	7.32E-05
6456	436946.2	3762548	0.000956183	1.56E-04	7.25E-05
6457	436953.6	3762530	0.000935699	1.53E-04	7.09E-05
6458	436957.2	3762521	0.000925317	1.51E-04	7.01E-05
6459	436960.9	3762512	0.000914935	1.49E-04	6.93E-05
6460	436964.6	3762503	0.000904272	1.48E-04	6.85E-05
6461	436990.3	3762441	0.000830943	1.36E-04	6.30E-05
6462	436994	3762432	0.000820935	1.34E-04	6.22E-05
6463	436997.6	3762423	0.000810646	1.32E-04	6.14E-05
6464	437001.3	3762414	0.000800077	1.31E-04	6.06E-05
6465	437008.6	3762396	0.000778191	1.27E-04	5.90E-05
6466	437012.3	3762387	0.00076678	1.25E-04	5.81E-05
6467	437019.7	3762369	0.000742835	1.21E-04	5.63E-05
6468	437032.2	3762357	0.000735353	1.20E-04	5.57E-05
6469	437058.8	3762346	0.000748354	1.22E-04	5.67E-05
6470	437067.7	3762342	0.000751627	1.23E-04	5.70E-05
6471	437076.6	3762338	0.000754153	1.23E-04	5.71E-05
6472	437085.5	3762334	0.00075621	1.24E-04	5.73E-05
6473	437094.4	3762331	0.000757707	1.24E-04	5.74E-05
6474	437103.3	3762327	0.000758829	1.24E-04	5.75E-05
6475	437112.1	3762323	0.000759484	1.24E-04	5.76E-05
6476	437121	3762320	0.000759765	1.24E-04	5.76E-05
6477	437129.9	3762316	0.000759671	1.24E-04	5.76E-05
6478	437138.8	3762312	0.000760794	1.24E-04	5.76E-05
6479	437147.7	3762308	0.000761074	1.24E-04	5.77E-05
6480	437183.2	3762293	0.000754901	1.23E-04	5.72E-05
6481	437192.1	3762290	0.000751814	1.23E-04	5.70E-05
6482	437200.9	3762286	0.00074798	1.22E-04	5.67E-05
6483	437209.8	3762282	0.000743677	1.21E-04	5.64E-05
6484	437218.7	3762279	0.000739	1.21E-04	5.60E-05
6485	437227.6	3762275	0.000733856	1.20E-04	5.56E-05
6486	437236.5	3762271	0.000728431	1.19E-04	5.52E-05
6487	437245.3	3762267	0.000722726	1.18E-04	5.48E-05
6488	437254.2	3762264	0.000716833	1.17E-04	5.43E-05
6489	437263.1	3762260	0.000710941	1.16E-04	5.39E-05
6490	437272	3762256	0.000704955	1.15E-04	5.34E-05
6491	437280.9	3762252	0.000698875	1.14E-04	5.30E-05
6492	437289.7	3762249	0.000692982	1.13E-04	5.25E-05
6493	437298.6	3762245	0.000686996	1.12E-04	5.21E-05
6494	437307.5	3762241	0.000681104	1.11E-04	5.16E-05

6495	437316.4	3762238	0.000675398	1.10E-04	5.12E-05
6496	437325.3	3762234	0.000669786	1.09E-04	5.08E-05
6497	437334.1	3762230	0.000664268	1.09E-04	5.03E-05
6498	437343	3762226	0.000658843	1.08E-04	4.99E-05
6499	437351.9	3762223	0.000653792	1.07E-04	4.95E-05
6500	436883.8	3762709	0.00105514	1.72E-04	8.00E-05
6501	436883.8	3762718	0.001064494	1.74E-04	8.07E-05
6502	436883.8	3762728	0.001072724	1.75E-04	8.13E-05
6503	436883.8	3762738	0.001079552	1.76E-04	8.18E-05
6504	436883.8	3762747	0.001084977	1.77E-04	8.22E-05
6505	436883.8	3762757	0.00108928	1.78E-04	8.25E-05
6506	436883.8	3762767	0.001092179	1.78E-04	8.28E-05
6507	436883.8	3762776	0.001093582	1.79E-04	8.29E-05
6508	436883.8	3762786	0.001093582	1.79E-04	8.29E-05
6509	436883.8	3762796	0.001092179	1.78E-04	8.28E-05
6510	436883.8	3762806	0.001089467	1.78E-04	8.26E-05
6511	436883.8	3762815	0.001085445	1.77E-04	8.23E-05
6512	436883.8	3762825	0.001080301	1.76E-04	8.19E-05
6513	436883.8	3762835	0.001074034	1.75E-04	8.14E-05
6514	436883.8	3762844	0.001066832	1.74E-04	8.08E-05
6515	436864.7	3762673	0.000948794	1.55E-04	7.19E-05
6516	436868.3	3762664	0.000948139	1.55E-04	7.18E-05
6517	436871.9	3762655	0.000946549	1.55E-04	7.17E-05
6518	436875.5	3762646	0.000943837	1.54E-04	7.15E-05
6519	436879.1	3762638	0.000940376	1.54E-04	7.13E-05
6520	436882.7	3762629	0.000936167	1.53E-04	7.09E-05
6521	436886.3	3762620	0.00093149	1.52E-04	7.06E-05
6522	436890	3762611	0.000926253	1.51E-04	7.02E-05
6523	436893.6	3762602	0.000920641	1.50E-04	6.98E-05
6524	436897.2	3762594	0.000915029	1.49E-04	6.93E-05
6525	436900.8	3762585	0.000908856	1.48E-04	6.89E-05
6526	436904.4	3762576	0.000902121	1.47E-04	6.84E-05
6527	436911.7	3762559	0.000887062	1.45E-04	6.72E-05
6528	436915.3	3762550	0.000879112	1.44E-04	6.66E-05
6529	436918.9	3762541	0.000870975	1.42E-04	6.60E-05
6530	436922.5	3762532	0.000862557	1.41E-04	6.54E-05
6531	436929.7	3762515	0.000845066	1.38E-04	6.40E-05
6532	436933.3	3762506	0.000836181	1.37E-04	6.34E-05
6533	436937	3762497	0.000827108	1.35E-04	6.27E-05
6534	436940.6	3762488	0.000817848	1.34E-04	6.20E-05
6535	436955	3762453	0.000782212	1.28E-04	5.93E-05
6536	436958.7	3762445	0.000774169	1.26E-04	5.87E-05
6537	436965.9	3762427	0.000758175	1.24E-04	5.75E-05
6538	436969.5	3762418	0.00074957	1.22E-04	5.68E-05
6539	436973.1	3762410	0.000740778	1.21E-04	5.61E-05
6540	436976.7	3762401	0.000731705	1.20E-04	5.54E-05
6541	436984	3762383	0.000712905	1.16E-04	5.40E-05
6542	436987.6	3762374	0.000703178	1.15E-04	5.33E-05
6543	436991.2	3762366	0.000693263	1.13E-04	5.25E-05
6544	436994.8	3762357	0.000683255	1.12E-04	5.18E-05
6545	437010.8	3762336	0.0006667	1.09E-04	5.05E-05
6546	437037	3762325	0.00067755	1.11E-04	5.13E-05

6547	437045.8	3762321	0.000680449	1.11E-04	5.16E-05
6548	437054.5	3762317	0.000682974	1.12E-04	5.18E-05
6549	437063.3	3762314	0.000685126	1.12E-04	5.19E-05
6550	437072	3762310	0.000686903	1.12E-04	5.21E-05
6551	437080.8	3762306	0.000688212	1.12E-04	5.21E-05
6552	437089.5	3762303	0.000688867	1.13E-04	5.22E-05
6553	437098.2	3762299	0.000689241	1.13E-04	5.22E-05
6554	437107	3762295	0.000690176	1.13E-04	5.23E-05
6555	437115.7	3762292	0.000690738	1.13E-04	5.23E-05
6556	437124.5	3762288	0.000690644	1.13E-04	5.23E-05
6557	437133.2	3762284	0.00069027	1.13E-04	5.23E-05
6558	437142	3762281	0.000689522	1.13E-04	5.22E-05
6559	437176.9	3762266	0.000681197	1.11E-04	5.16E-05
6560	437185.7	3762262	0.000678017	1.11E-04	5.14E-05
6561	437194.4	3762259	0.000674276	1.10E-04	5.11E-05
6562	437203.2	3762255	0.000670067	1.09E-04	5.08E-05
6563	437211.9	3762251	0.000665671	1.09E-04	5.04E-05
6564	437220.7	3762248	0.000660901	1.08E-04	5.01E-05
6565	437229.4	3762244	0.000655944	1.07E-04	4.97E-05
6566	437238.2	3762240	0.000650799	1.06E-04	4.93E-05
6567	437246.9	3762237	0.000645655	1.05E-04	4.89E-05
6568	437255.7	3762233	0.000640604	1.05E-04	4.85E-05
6569	437264.4	3762229	0.000635647	1.04E-04	4.82E-05
6570	437273.1	3762226	0.000630503	1.03E-04	4.78E-05
6571	437281.9	3762222	0.000625452	1.02E-04	4.74E-05
6572	437290.6	3762218	0.000620495	1.01E-04	4.70E-05
6573	437299.4	3762215	0.000615538	1.01E-04	4.66E-05
6574	437308.1	3762211	0.000610674	9.98E-05	4.63E-05
6575	437316.9	3762207	0.00060581	9.90E-05	4.59E-05
6576	437325.6	3762204	0.000600946	9.82E-05	4.55E-05
6577	437334.4	3762200	0.000596363	9.74E-05	4.52E-05
6578	437343.1	3762196	0.000591967	9.67E-05	4.49E-05
6579	437351.8	3762193	0.000587665	9.60E-05	4.45E-05
6580	436853.8	3762709	0.000953096	1.56E-04	7.22E-05
6581	436853.8	3762718	0.000960672	1.57E-04	7.28E-05
6582	436853.8	3762728	0.000967407	1.58E-04	7.33E-05
6583	436853.8	3762738	0.000973112	1.59E-04	7.37E-05
6584	436853.8	3762747	0.000977602	1.60E-04	7.41E-05
6585	436853.8	3762757	0.000981063	1.60E-04	7.43E-05
6586	436853.8	3762767	0.000983307	1.61E-04	7.45E-05
6587	436853.8	3762776	0.000984336	1.61E-04	7.46E-05
6588	436853.8	3762786	0.000984149	1.61E-04	7.46E-05
6589	436853.8	3762796	0.000982746	1.61E-04	7.45E-05
6590	436853.8	3762806	0.000980408	1.60E-04	7.43E-05
6591	436853.8	3762815	0.000976854	1.60E-04	7.40E-05
6592	436853.8	3762825	0.000972458	1.59E-04	7.37E-05
6593	436853.8	3762835	0.000967033	1.58E-04	7.33E-05
6594	436853.8	3762844	0.000960953	1.57E-04	7.28E-05
6595	436834.8	3762672	0.000864989	1.41E-04	6.55E-05
6596	436838.4	3762664	0.000864895	1.41E-04	6.55E-05
6597	436842.1	3762655	0.000863866	1.41E-04	6.55E-05
6598	436845.7	3762646	0.000861809	1.41E-04	6.53E-05

6599	436849.4	3762637	0.000858909	1.40E-04	6.51E-05
6600	436856.7	3762619	0.000850772	1.39E-04	6.45E-05
6601	436860.3	3762610	0.000845815	1.38E-04	6.41E-05
6602	436864	3762602	0.000840764	1.37E-04	6.37E-05
6603	436867.6	3762593	0.000836087	1.37E-04	6.34E-05
6604	436874.9	3762575	0.000825799	1.35E-04	6.26E-05
6605	436878.6	3762566	0.000819906	1.34E-04	6.21E-05
6606	436882.2	3762557	0.000813546	1.33E-04	6.16E-05
6607	436885.9	3762548	0.000806905	1.32E-04	6.11E-05
6608	436893.2	3762531	0.000792782	1.30E-04	6.01E-05
6609	436896.8	3762522	0.000785486	1.28E-04	5.95E-05
6610	436900.5	3762513	0.000778097	1.27E-04	5.90E-05
6611	436904.1	3762504	0.000770521	1.26E-04	5.84E-05
6612	436911.4	3762486	0.000755182	1.23E-04	5.72E-05
6613	436929.7	3762442	0.000716833	1.17E-04	5.43E-05
6614	436933.3	3762433	0.000709818	1.16E-04	5.38E-05
6615	436937	3762425	0.000702803	1.15E-04	5.33E-05
6616	436940.6	3762416	0.000695508	1.14E-04	5.27E-05
6617	436947.9	3762398	0.000680262	1.11E-04	5.15E-05
6618	436951.6	3762389	0.000672405	1.10E-04	5.10E-05
6619	436955.2	3762380	0.000664361	1.09E-04	5.03E-05
6620	436958.9	3762371	0.000656224	1.07E-04	4.97E-05
6621	436966.2	3762354	0.000639388	1.04E-04	4.85E-05
6622	436969.8	3762345	0.00063069	1.03E-04	4.78E-05
6623	436977.1	3762327	0.000613012	1.00E-04	4.65E-05
6624	436989.6	3762315	0.000607961	9.93E-05	4.61E-05
6625	437024.9	3762300	0.000620495	1.01E-04	4.70E-05
6626	437033.7	3762296	0.000622927	1.02E-04	4.72E-05
6627	437042.6	3762292	0.000625171	1.02E-04	4.74E-05
6628	437051.4	3762289	0.000627229	1.02E-04	4.75E-05
6629	437060.2	3762285	0.000628819	1.03E-04	4.76E-05
6630	437069.1	3762281	0.000630129	1.03E-04	4.77E-05
6631	437077.9	3762278	0.000631157	1.03E-04	4.78E-05
6632	437086.7	3762274	0.000631812	1.03E-04	4.79E-05
6633	437095.5	3762270	0.00063228	1.03E-04	4.79E-05
6634	437104.4	3762266	0.000631999	1.03E-04	4.79E-05
6635	437113.2	3762263	0.000631345	1.03E-04	4.78E-05
6636	437122	3762259	0.000630222	1.03E-04	4.78E-05
6637	437130.9	3762255	0.000628913	1.03E-04	4.77E-05
6638	437139.7	3762252	0.000627229	1.02E-04	4.75E-05
6639	437148.5	3762248	0.000625171	1.02E-04	4.74E-05
6640	437157.3	3762244	0.000622833	1.02E-04	4.72E-05
6641	437166.2	3762240	0.000620027	1.01E-04	4.70E-05
6642	437175	3762237	0.00061666	1.01E-04	4.67E-05
6643	437183.8	3762233	0.000613106	1.00E-04	4.65E-05
6644	437192.7	3762229	0.000609271	9.95E-05	4.62E-05
6645	437201.5	3762226	0.000605155	9.89E-05	4.59E-05
6646	437210.3	3762222	0.000600853	9.82E-05	4.55E-05
6647	437219.1	3762218	0.000596457	9.74E-05	4.52E-05
6648	437228	3762215	0.000591967	9.67E-05	4.49E-05
6649	437236.8	3762211	0.000587478	9.60E-05	4.45E-05
6650	437245.6	3762207	0.000582895	9.52E-05	4.42E-05

6651	437254.5	3762203	0.000578312	9.45E-05	4.38E-05
6652	437263.3	3762200	0.000573729	9.37E-05	4.35E-05
6653	437272.1	3762196	0.000569145	9.30E-05	4.31E-05
6654	437280.9	3762192	0.000564749	9.23E-05	4.28E-05
6655	437289.8	3762189	0.00056026	9.15E-05	4.25E-05
6656	437298.6	3762185	0.000555864	9.08E-05	4.21E-05
6657	437307.4	3762181	0.000551468	9.01E-05	4.18E-05
6658	437316.3	3762177	0.000547259	8.94E-05	4.15E-05
6659	437325.1	3762174	0.000543143	8.87E-05	4.12E-05
6660	437333.9	3762170	0.000539215	8.81E-05	4.09E-05
6661	437342.7	3762166	0.00053538	8.75E-05	4.06E-05
6662	437351.6	3762163	0.000531826	8.69E-05	4.03E-05
6663	436823.8	3762709	0.000867046	1.42E-04	6.57E-05
6664	436823.8	3762718	0.000873033	1.43E-04	6.62E-05
6665	436823.8	3762728	0.000878551	1.44E-04	6.66E-05
6666	436823.8	3762738	0.000883228	1.44E-04	6.69E-05
6667	436823.8	3762747	0.000886875	1.45E-04	6.72E-05
6668	436823.8	3762757	0.000889307	1.45E-04	6.74E-05
6669	436823.8	3762767	0.00089071	1.46E-04	6.75E-05
6670	436823.8	3762776	0.000891178	1.46E-04	6.75E-05
6671	436823.8	3762786	0.00089071	1.46E-04	6.75E-05
6672	436823.8	3762796	0.000889214	1.45E-04	6.74E-05
6673	436823.8	3762806	0.000886969	1.45E-04	6.72E-05
6674	436823.8	3762815	0.000883976	1.44E-04	6.70E-05
6675	436823.8	3762825	0.000880141	1.44E-04	6.67E-05
6676	436823.8	3762835	0.000875558	1.43E-04	6.63E-05
6677	436823.8	3762844	0.000870414	1.42E-04	6.60E-05
6678	436804.9	3762672	0.00079222	1.29E-04	6.00E-05
6679	436808.5	3762663	0.000792501	1.29E-04	6.01E-05
6680	436812.2	3762654	0.000792033	1.29E-04	6.00E-05
6681	436815.9	3762645	0.000790911	1.29E-04	5.99E-05
6682	436819.6	3762636	0.00078904	1.29E-04	5.98E-05
6683	436826.9	3762619	0.000782774	1.28E-04	5.93E-05
6684	436830.6	3762610	0.000778378	1.27E-04	5.90E-05
6685	436834.3	3762601	0.000773607	1.26E-04	5.86E-05
6686	436838	3762592	0.000768931	1.26E-04	5.83E-05
6687	436845.4	3762574	0.00075911	1.24E-04	5.75E-05
6688	436849	3762565	0.000753872	1.23E-04	5.71E-05
6689	436852.7	3762556	0.000748541	1.22E-04	5.67E-05
6690	436856.4	3762547	0.000742929	1.21E-04	5.63E-05
6691	436860.1	3762538	0.00073713	1.20E-04	5.59E-05
6692	436863.8	3762529	0.00073105	1.19E-04	5.54E-05
6693	436867.4	3762520	0.000724877	1.18E-04	5.49E-05
6694	436874.8	3762502	0.000712063	1.16E-04	5.40E-05
6695	436878.5	3762494	0.000705516	1.15E-04	5.35E-05
6696	436882.2	3762485	0.000698969	1.14E-04	5.30E-05
6697	436900.6	3762440	0.00066539	1.09E-04	5.04E-05
6698	436904.3	3762431	0.000658843	1.08E-04	4.99E-05
6699	436911.6	3762413	0.000645842	1.06E-04	4.89E-05
6700	436915.3	3762404	0.000639388	1.04E-04	4.85E-05
6701	436919	3762395	0.000633028	1.03E-04	4.80E-05
6702	436922.7	3762386	0.000626481	1.02E-04	4.75E-05

6703	436930	3762369	0.000612825	1.00E-04	4.64E-05
6704	436933.7	3762360	0.000605342	9.89E-05	4.59E-05
6705	436941.1	3762342	0.000590938	9.65E-05	4.48E-05
6706	436944.8	3762333	0.000583549	9.53E-05	4.42E-05
6707	436948.4	3762324	0.00057588	9.41E-05	4.36E-05
6708	436952.1	3762315	0.000568023	9.28E-05	4.30E-05
6709	436968.4	3762293	0.000556238	9.09E-05	4.21E-05
6710	436995.1	3762282	0.000566246	9.25E-05	4.29E-05
6711	437004	3762278	0.000569052	9.30E-05	4.31E-05
6712	437012.9	3762275	0.000571577	9.34E-05	4.33E-05
6713	437021.8	3762271	0.000573635	9.37E-05	4.35E-05
6714	437030.7	3762267	0.000575412	9.40E-05	4.36E-05
6715	437039.6	3762263	0.000576909	9.42E-05	4.37E-05
6716	437048.5	3762260	0.000578031	9.44E-05	4.38E-05
6717	437057.4	3762256	0.000578779	9.46E-05	4.39E-05
6718	437066.3	3762252	0.000579247	9.46E-05	4.39E-05
6719	437075.3	3762249	0.000579528	9.47E-05	4.39E-05
6720	437084.2	3762245	0.000579434	9.47E-05	4.39E-05
6721	437093.1	3762241	0.00057906	9.46E-05	4.39E-05
6722	437102	3762237	0.000578218	9.45E-05	4.38E-05
6723	437110.9	3762234	0.000577096	9.43E-05	4.37E-05
6724	437119.8	3762230	0.000575599	9.40E-05	4.36E-05
6725	437128.7	3762226	0.000573822	9.37E-05	4.35E-05
6726	437137.6	3762222	0.000571764	9.34E-05	4.33E-05
6727	437146.5	3762219	0.000569332	9.30E-05	4.31E-05
6728	437155.4	3762215	0.00056662	9.26E-05	4.29E-05
6729	437164.3	3762211	0.000563627	9.21E-05	4.27E-05
6730	437173.2	3762207	0.000560353	9.15E-05	4.25E-05
6731	437182.1	3762204	0.000556799	9.10E-05	4.22E-05
6732	437191	3762200	0.000553151	9.04E-05	4.19E-05
6733	437199.9	3762196	0.000549317	8.97E-05	4.16E-05
6734	437208.8	3762192	0.000545388	8.91E-05	4.13E-05
6735	437217.7	3762189	0.000541366	8.84E-05	4.10E-05
6736	437226.6	3762185	0.000537251	8.78E-05	4.07E-05
6737	437235.5	3762181	0.000533042	8.71E-05	4.04E-05
6738	437244.5	3762178	0.000528739	8.64E-05	4.01E-05
6739	437253.4	3762174	0.000524624	8.57E-05	3.98E-05
6740	437262.3	3762170	0.000520696	8.51E-05	3.95E-05
6741	437271.2	3762166	0.000516674	8.44E-05	3.92E-05
6742	437280.1	3762163	0.000512652	8.37E-05	3.88E-05
6743	437289	3762159	0.000508723	8.31E-05	3.85E-05
6744	437297.9	3762155	0.000504795	8.25E-05	3.83E-05
6745	437306.8	3762151	0.00050096	8.18E-05	3.80E-05
6746	437315.7	3762148	0.000497312	8.12E-05	3.77E-05
6747	437324.6	3762144	0.000493758	8.07E-05	3.74E-05
6748	437333.5	3762140	0.000490391	8.01E-05	3.72E-05
6749	437342.4	3762136	0.000487211	7.96E-05	3.69E-05
6750	437351.3	3762133	0.000484124	7.91E-05	3.67E-05
6751	436793.8	3762709	0.000792782	1.30E-04	6.01E-05
6752	436793.8	3762718	0.000797645	1.30E-04	6.04E-05
6753	436793.8	3762728	0.000802041	1.31E-04	6.08E-05
6754	436793.8	3762738	0.000805596	1.32E-04	6.10E-05

6755	436793.8	3762747	0.000808402	1.32E-04	6.13E-05
6756	436793.8	3762757	0.000810085	1.32E-04	6.14E-05
6757	436793.8	3762767	0.000810927	1.32E-04	6.14E-05
6758	436793.8	3762776	0.00081102	1.32E-04	6.15E-05
6759	436793.8	3762786	0.000810459	1.32E-04	6.14E-05
6760	436793.8	3762796	0.000809056	1.32E-04	6.13E-05
6761	436793.8	3762806	0.000806999	1.32E-04	6.12E-05
6762	436793.8	3762815	0.000804286	1.31E-04	6.09E-05
6763	436793.8	3762825	0.000800919	1.31E-04	6.07E-05
6764	436793.8	3762835	0.000796991	1.30E-04	6.04E-05
6765	436793.8	3762844	0.000792595	1.29E-04	6.01E-05
6766	436793.8	3762854	0.000787637	1.29E-04	5.97E-05
6767	436767.4	3762690	0.000725438	1.19E-04	5.50E-05
6768	436771.1	3762681	0.000727215	1.19E-04	5.51E-05
6769	436774.7	3762672	0.000728338	1.19E-04	5.52E-05
6770	436778.3	3762664	0.000728899	1.19E-04	5.52E-05
6771	436782	3762655	0.000728899	1.19E-04	5.52E-05
6772	436785.6	3762646	0.000728244	1.19E-04	5.52E-05
6773	436789.2	3762637	0.000727122	1.19E-04	5.51E-05
6774	436792.9	3762628	0.000725345	1.18E-04	5.50E-05
6775	436796.5	3762620	0.000723006	1.18E-04	5.48E-05
6776	436800.1	3762611	0.000720107	1.18E-04	5.46E-05
6777	436803.8	3762602	0.000716646	1.17E-04	5.43E-05
6778	436807.4	3762593	0.000712531	1.16E-04	5.40E-05
6779	436811	3762584	0.000707948	1.16E-04	5.36E-05
6780	436814.7	3762576	0.000703178	1.15E-04	5.33E-05
6781	436818.3	3762567	0.000698314	1.14E-04	5.29E-05
6782	436821.9	3762558	0.00069345	1.13E-04	5.25E-05
6783	436825.6	3762549	0.000688493	1.12E-04	5.22E-05
6784	436829.2	3762540	0.000683349	1.12E-04	5.18E-05
6785	436832.8	3762532	0.000678485	1.11E-04	5.14E-05
6786	436836.5	3762523	0.000673341	1.10E-04	5.10E-05
6787	436840.1	3762514	0.000668103	1.09E-04	5.06E-05
6788	436843.7	3762505	0.000662584	1.08E-04	5.02E-05
6789	436847.4	3762496	0.000656972	1.07E-04	4.98E-05
6790	436851	3762487	0.00065136	1.06E-04	4.94E-05
6791	436854.6	3762479	0.000645749	1.05E-04	4.89E-05
6792	436858.3	3762470	0.00063995	1.05E-04	4.85E-05
6793	436872.8	3762435	0.00061666	1.01E-04	4.67E-05
6794	436876.4	3762426	0.000610861	9.98E-05	4.63E-05
6795	436880.1	3762417	0.000605062	9.88E-05	4.58E-05
6796	436883.7	3762408	0.000599076	9.79E-05	4.54E-05
6797	436887.3	3762399	0.000593183	9.69E-05	4.49E-05
6798	436891	3762391	0.000587197	9.59E-05	4.45E-05
6799	436894.6	3762382	0.000581866	9.51E-05	4.41E-05
6800	436898.2	3762373	0.000576441	9.42E-05	4.37E-05
6801	436901.9	3762364	0.000568958	9.29E-05	4.31E-05
6802	436905.5	3762355	0.00056344	9.20E-05	4.27E-05
6803	436909.1	3762346	0.000557641	9.11E-05	4.23E-05
6804	436912.8	3762338	0.000551842	9.02E-05	4.18E-05
6805	436916.4	3762329	0.000545949	8.92E-05	4.14E-05
6806	436920	3762320	0.000539683	8.82E-05	4.09E-05

6807	436923.7	3762311	0.000533229	8.71E-05	4.04E-05
6808	436927.3	3762302	0.000526588	8.60E-05	3.99E-05
6809	436930.9	3762294	0.000520134	8.50E-05	3.94E-05
6810	436934.6	3762285	0.000513868	8.39E-05	3.89E-05
6811	436947	3762272	0.000511062	8.35E-05	3.87E-05
6812	436982.1	3762258	0.000522753	8.54E-05	3.96E-05
6813	436990.9	3762254	0.000525092	8.58E-05	3.98E-05
6814	436999.7	3762250	0.000527243	8.61E-05	4.00E-05
6815	437008.5	3762246	0.00052902	8.64E-05	4.01E-05
6816	437017.3	3762243	0.000530516	8.67E-05	4.02E-05
6817	437026.1	3762239	0.000531732	8.69E-05	4.03E-05
6818	437034.9	3762235	0.000532574	8.70E-05	4.04E-05
6819	437043.7	3762232	0.000533229	8.71E-05	4.04E-05
6820	437052.5	3762228	0.000533416	8.71E-05	4.04E-05
6821	437061.2	3762224	0.000533322	8.71E-05	4.04E-05
6822	437070	3762221	0.000532948	8.71E-05	4.04E-05
6823	437078.8	3762217	0.000532481	8.70E-05	4.03E-05
6824	437087.6	3762213	0.000531732	8.69E-05	4.03E-05
6825	437096.4	3762210	0.000530704	8.67E-05	4.02E-05
6826	437105.2	3762206	0.000529301	8.65E-05	4.01E-05
6827	437114	3762202	0.000527617	8.62E-05	4.00E-05
6828	437122.8	3762199	0.000525746	8.59E-05	3.98E-05
6829	437131.5	3762195	0.000523595	8.55E-05	3.97E-05
6830	437140.3	3762191	0.000521163	8.51E-05	3.95E-05
6831	437149.1	3762187	0.000518544	8.47E-05	3.93E-05
6832	437157.9	3762184	0.000515738	8.43E-05	3.91E-05
6833	437166.7	3762180	0.000512745	8.38E-05	3.89E-05
6834	437175.5	3762176	0.000509659	8.33E-05	3.86E-05
6835	437184.3	3762173	0.000506385	8.27E-05	3.84E-05
6836	437193.1	3762169	0.000503018	8.22E-05	3.81E-05
6837	437201.8	3762165	0.000499557	8.16E-05	3.79E-05
6838	437210.6	3762162	0.000496003	8.10E-05	3.76E-05
6839	437219.4	3762158	0.000492355	8.04E-05	3.73E-05
6840	437228.2	3762154	0.000488614	7.98E-05	3.70E-05
6841	437237	3762151	0.000484966	7.92E-05	3.67E-05
6842	437245.8	3762147	0.000481225	7.86E-05	3.65E-05
6843	437254.6	3762143	0.000477577	7.80E-05	3.62E-05
6844	437263.4	3762140	0.000474023	7.74E-05	3.59E-05
6845	437272.1	3762136	0.000470562	7.69E-05	3.57E-05
6846	437280.9	3762132	0.000467101	7.63E-05	3.54E-05
6847	437289.7	3762128	0.000463641	7.57E-05	3.51E-05
6848	437298.5	3762125	0.000460367	7.52E-05	3.49E-05
6849	437307.3	3762121	0.000457187	7.47E-05	3.46E-05
6850	437316.1	3762117	0.0004541	7.42E-05	3.44E-05
6851	437324.9	3762114	0.000451201	7.37E-05	3.42E-05
6852	437333.7	3762110	0.000448395	7.33E-05	3.40E-05
6853	437342.5	3762106	0.000445682	7.28E-05	3.38E-05
6854	437351.2	3762103	0.000443064	7.24E-05	3.36E-05
6855	436763.8	3762699	0.000723006	1.18E-04	5.48E-05
6856	436763.8	3762709	0.000727589	1.19E-04	5.51E-05
6857	436763.8	3762718	0.000731518	1.20E-04	5.54E-05
6858	436763.8	3762728	0.000735072	1.20E-04	5.57E-05

6859	436763.8	3762738	0.000737878	1.21E-04	5.59E-05
6860	436763.8	3762747	0.000739936	1.21E-04	5.61E-05
6861	436763.8	3762757	0.000741152	1.21E-04	5.62E-05
6862	436763.8	3762767	0.000741806	1.21E-04	5.62E-05
6863	436763.8	3762776	0.000741713	1.21E-04	5.62E-05
6864	436763.8	3762786	0.000740965	1.21E-04	5.61E-05
6865	436763.8	3762796	0.000739749	1.21E-04	5.61E-05
6866	436763.8	3762806	0.000737878	1.21E-04	5.59E-05
6867	436763.8	3762815	0.000735446	1.20E-04	5.57E-05
6868	436763.8	3762825	0.000732453	1.20E-04	5.55E-05
6869	436763.8	3762835	0.000729086	1.19E-04	5.52E-05
6870	436763.8	3762844	0.000725158	1.18E-04	5.49E-05
6871	436763.8	3762854	0.000720855	1.18E-04	5.46E-05
6872	436727.5	3762690	0.000652202	1.07E-04	4.94E-05
6873	436731.1	3762681	0.000653979	1.07E-04	4.96E-05
6874	436734.7	3762672	0.000655195	1.07E-04	4.96E-05
6875	436738.4	3762664	0.000655944	1.07E-04	4.97E-05
6876	436742	3762655	0.000656131	1.07E-04	4.97E-05
6877	436745.7	3762646	0.00065585	1.07E-04	4.97E-05
6878	436749.3	3762637	0.000655102	1.07E-04	4.96E-05
6879	436753	3762628	0.000653792	1.07E-04	4.95E-05
6880	436756.6	3762619	0.000652015	1.07E-04	4.94E-05
6881	436760.3	3762610	0.000649864	1.06E-04	4.92E-05
6882	436763.9	3762602	0.000647245	1.06E-04	4.90E-05
6883	436767.6	3762593	0.000644346	1.05E-04	4.88E-05
6884	436771.2	3762584	0.000641072	1.05E-04	4.86E-05
6885	436774.9	3762575	0.000637424	1.04E-04	4.83E-05
6886	436778.5	3762566	0.000633496	1.03E-04	4.80E-05
6887	436782.2	3762557	0.000629287	1.03E-04	4.77E-05
6888	436785.8	3762549	0.000624984	1.02E-04	4.74E-05
6889	436789.5	3762540	0.000620495	1.01E-04	4.70E-05
6890	436793.1	3762531	0.000615912	1.01E-04	4.67E-05
6891	436796.8	3762522	0.000611329	9.99E-05	4.63E-05
6892	436800.4	3762513	0.000606839	9.91E-05	4.60E-05
6893	436804.1	3762504	0.000601975	9.83E-05	4.56E-05
6894	436807.7	3762495	0.000597018	9.75E-05	4.52E-05
6895	436811.3	3762487	0.000592154	9.67E-05	4.49E-05
6896	436815	3762478	0.000587291	9.59E-05	4.45E-05
6897	436818.6	3762469	0.000582614	9.52E-05	4.41E-05
6898	436822.3	3762460	0.000577844	9.44E-05	4.38E-05
6899	436840.5	3762416	0.000553151	9.04E-05	4.19E-05
6900	436844.2	3762407	0.000548007	8.95E-05	4.15E-05
6901	436847.8	3762398	0.000542676	8.87E-05	4.11E-05
6902	436851.5	3762389	0.000537438	8.78E-05	4.07E-05
6903	436855.1	3762380	0.000532574	8.70E-05	4.04E-05
6904	436858.8	3762372	0.000527804	8.62E-05	4.00E-05
6905	436862.4	3762363	0.000520415	8.50E-05	3.94E-05
6906	436866.1	3762354	0.000515832	8.43E-05	3.91E-05
6907	436869.7	3762345	0.000511155	8.35E-05	3.87E-05
6908	436873.4	3762336	0.000506292	8.27E-05	3.84E-05
6909	436877	3762327	0.000501428	8.19E-05	3.80E-05
6910	436880.7	3762319	0.000496845	8.12E-05	3.76E-05

6911	436884.3	3762310	0.000492075	8.04E-05	3.73E-05
6912	436887.9	3762301	0.000487304	7.96E-05	3.69E-05
6913	436891.6	3762292	0.000482441	7.88E-05	3.66E-05
6914	436895.2	3762283	0.000477484	7.80E-05	3.62E-05
6915	436898.9	3762274	0.000472433	7.72E-05	3.58E-05
6916	436902.5	3762265	0.000467288	7.63E-05	3.54E-05
6917	436906.2	3762257	0.000462051	7.55E-05	3.50E-05
6918	436918.7	3762244	0.000459806	7.51E-05	3.48E-05
6919	436953.9	3762229	0.000469533	7.67E-05	3.56E-05
6920	436962.8	3762226	0.000471497	7.70E-05	3.57E-05
6921	436971.6	3762222	0.000473275	7.73E-05	3.59E-05
6922	436980.4	3762218	0.000474771	7.76E-05	3.60E-05
6923	436989.2	3762214	0.000476268	7.78E-05	3.61E-05
6924	436998.1	3762211	0.000477577	7.80E-05	3.62E-05
6925	437006.9	3762207	0.000478606	7.82E-05	3.63E-05
6926	437015.7	3762203	0.000479354	7.83E-05	3.63E-05
6927	437024.5	3762200	0.000479728	7.84E-05	3.64E-05
6928	437033.3	3762196	0.000479915	7.84E-05	3.64E-05
6929	437042.2	3762192	0.000479915	7.84E-05	3.64E-05
6930	437051	3762189	0.000479541	7.83E-05	3.63E-05
6931	437059.8	3762185	0.000478886	7.82E-05	3.63E-05
6932	437068.6	3762181	0.000478045	7.81E-05	3.62E-05
6933	437077.5	3762177	0.000477016	7.79E-05	3.61E-05
6934	437086.3	3762174	0.000475706	7.77E-05	3.60E-05
6935	437095.1	3762170	0.000474303	7.75E-05	3.59E-05
6936	437103.9	3762166	0.000472713	7.72E-05	3.58E-05
6937	437112.7	3762163	0.000470843	7.69E-05	3.57E-05
6938	437121.6	3762159	0.000468785	7.66E-05	3.55E-05
6939	437130.4	3762155	0.00046654	7.62E-05	3.54E-05
6940	437139.2	3762152	0.000464108	7.58E-05	3.52E-05
6941	437148	3762148	0.000461583	7.54E-05	3.50E-05
6942	437156.9	3762144	0.000458871	7.50E-05	3.48E-05
6943	437165.7	3762140	0.000456158	7.45E-05	3.46E-05
6944	437174.5	3762137	0.000453352	7.41E-05	3.44E-05
6945	437183.3	3762133	0.000450453	7.36E-05	3.41E-05
6946	437192.2	3762129	0.00044746	7.31E-05	3.39E-05
6947	437201	3762126	0.000444279	7.26E-05	3.37E-05
6948	437209.8	3762122	0.000441099	7.21E-05	3.34E-05
6949	437218.6	3762118	0.000437919	7.15E-05	3.32E-05
6950	437227.4	3762114	0.000434646	7.10E-05	3.29E-05
6951	437236.3	3762111	0.000431466	7.05E-05	3.27E-05
6952	437245.1	3762107	0.000428192	7.00E-05	3.24E-05
6953	437253.9	3762103	0.000425105	6.94E-05	3.22E-05
6954	437262.7	3762100	0.000422112	6.90E-05	3.20E-05
6955	437271.6	3762096	0.000419119	6.85E-05	3.18E-05
6956	437280.4	3762092	0.00041622	6.80E-05	3.15E-05
6957	437289.2	3762089	0.000413507	6.76E-05	3.13E-05
6958	436723.8	3762699	0.000649677	1.06E-04	4.92E-05
6959	436723.8	3762709	0.000653231	1.07E-04	4.95E-05
6960	436723.8	3762718	0.000656224	1.07E-04	4.97E-05
6961	436723.8	3762728	0.000658656	1.08E-04	4.99E-05
6962	436723.8	3762738	0.000660527	1.08E-04	5.01E-05

6963	436723.8	3762747	0.000661836	1.08E-04	5.02E-05
6964	436723.8	3762757	0.000662584	1.08E-04	5.02E-05
6965	436723.8	3762767	0.000662959	1.08E-04	5.02E-05
6966	436723.8	3762776	0.000662678	1.08E-04	5.02E-05
6967	436723.8	3762786	0.00066193	1.08E-04	5.02E-05
6968	436723.8	3762796	0.000660714	1.08E-04	5.01E-05
6969	436723.8	3762806	0.00065903	1.08E-04	4.99E-05
6970	436723.8	3762815	0.000656972	1.07E-04	4.98E-05
6971	436723.8	3762825	0.000654447	1.07E-04	4.96E-05
6972	436723.8	3762835	0.000651548	1.06E-04	4.94E-05
6973	436723.8	3762844	0.000648367	1.06E-04	4.91E-05
6974	436723.8	3762854	0.000644813	1.05E-04	4.89E-05
6975	436687.5	3762690	0.000589629	9.63E-05	4.47E-05
6976	436691.1	3762681	0.0005915	9.66E-05	4.48E-05
6977	436694.8	3762672	0.000592996	9.69E-05	4.49E-05
6978	436698.4	3762663	0.000594025	9.70E-05	4.50E-05
6979	436702.1	3762655	0.000594586	9.71E-05	4.51E-05
6980	436705.8	3762646	0.00059468	9.71E-05	4.51E-05
6981	436709.4	3762637	0.000594306	9.71E-05	4.50E-05
6982	436713.1	3762628	0.000593464	9.70E-05	4.50E-05
6983	436716.7	3762619	0.000592061	9.67E-05	4.49E-05
6984	436720.4	3762610	0.000590377	9.64E-05	4.47E-05
6985	436724.1	3762601	0.000588226	9.61E-05	4.46E-05
6986	436727.7	3762592	0.000585701	9.57E-05	4.44E-05
6987	436731.4	3762584	0.000582988	9.52E-05	4.42E-05
6988	436735	3762575	0.000579995	9.48E-05	4.39E-05
6989	436738.7	3762566	0.000576815	9.42E-05	4.37E-05
6990	436742.4	3762557	0.000573448	9.37E-05	4.35E-05
6991	436746	3762548	0.000569894	9.31E-05	4.32E-05
6992	436749.7	3762539	0.000566246	9.25E-05	4.29E-05
6993	436753.4	3762530	0.000562318	9.19E-05	4.26E-05
6994	436757	3762521	0.000558296	9.12E-05	4.23E-05
6995	436760.7	3762513	0.00055418	9.05E-05	4.20E-05
6996	436764.3	3762504	0.000549971	8.98E-05	4.17E-05
6997	436768	3762495	0.000545669	8.91E-05	4.13E-05
6998	436771.7	3762486	0.000541366	8.84E-05	4.10E-05
6999	436775.3	3762477	0.000537157	8.78E-05	4.07E-05
7000	436779	3762468	0.000533042	8.71E-05	4.04E-05
7001	436782.6	3762459	0.000528926	8.64E-05	4.01E-05
7002	436786.3	3762450	0.000524811	8.57E-05	3.98E-05
7003	436790	3762442	0.000520789	8.51E-05	3.95E-05
7004	436793.6	3762433	0.000516767	8.44E-05	3.92E-05
7005	436811.9	3762388	0.000496003	8.10E-05	3.76E-05
7006	436815.6	3762379	0.000491888	8.04E-05	3.73E-05
7007	436819.2	3762370	0.000487772	7.97E-05	3.70E-05
7008	436822.9	3762362	0.000483376	7.90E-05	3.66E-05
7009	436826.6	3762353	0.000478886	7.82E-05	3.63E-05
7010	436830.2	3762344	0.000474303	7.75E-05	3.59E-05
7011	436833.9	3762335	0.000469907	7.68E-05	3.56E-05
7012	436837.5	3762326	0.000465605	7.61E-05	3.53E-05
7013	436841.2	3762317	0.000461489	7.54E-05	3.50E-05
7014	436844.9	3762308	0.000457374	7.47E-05	3.47E-05

7015	436848.5	3762299	0.000453165	7.40E-05	3.43E-05
7016	436852.2	3762291	0.000449143	7.34E-05	3.40E-05
7017	436855.8	3762282	0.000445028	7.27E-05	3.37E-05
7018	436859.5	3762273	0.000440912	7.20E-05	3.34E-05
7019	436863.2	3762264	0.000436703	7.13E-05	3.31E-05
7020	436866.8	3762255	0.000432307	7.06E-05	3.28E-05
7021	436870.5	3762246	0.000427911	6.99E-05	3.24E-05
7022	436874.1	3762237	0.000423328	6.92E-05	3.21E-05
7023	436877.8	3762228	0.000418371	6.83E-05	3.17E-05
7024	436890.3	3762216	0.000415471	6.79E-05	3.15E-05
7025	436925.7	3762201	0.000423796	6.92E-05	3.21E-05
7026	436934.6	3762197	0.000425479	6.95E-05	3.22E-05
7027	436943.4	3762194	0.00042707	6.98E-05	3.24E-05
7028	436952.3	3762190	0.000428472	7.00E-05	3.25E-05
7029	436961.1	3762186	0.000429688	7.02E-05	3.26E-05
7030	436970	3762182	0.000430717	7.04E-05	3.26E-05
7031	436978.8	3762179	0.000431653	7.05E-05	3.27E-05
7032	436987.7	3762175	0.000432494	7.07E-05	3.28E-05
7033	436996.6	3762171	0.000433149	7.08E-05	3.28E-05
7034	437005.4	3762168	0.000433617	7.08E-05	3.29E-05
7035	437014.3	3762164	0.00043371	7.09E-05	3.29E-05
7036	437023.1	3762160	0.000433523	7.08E-05	3.29E-05
7037	437032	3762156	0.000433149	7.08E-05	3.28E-05
7038	437120.5	3762119	0.000420709	6.87E-05	3.19E-05
7039	437129.3	3762116	0.000418652	6.84E-05	3.17E-05
7040	437138.2	3762112	0.000416407	6.80E-05	3.16E-05
7041	437147.1	3762108	0.000414069	6.76E-05	3.14E-05
7042	437155.9	3762104	0.000411543	6.72E-05	3.12E-05
7043	437164.8	3762101	0.000409018	6.68E-05	3.10E-05
7044	437173.6	3762097	0.000406399	6.64E-05	3.08E-05
7045	437182.5	3762093	0.000403686	6.59E-05	3.06E-05
7046	437191.3	3762090	0.00040088	6.55E-05	3.04E-05
7047	437200.2	3762086	0.000398074	6.50E-05	3.02E-05
7048	436683.8	3762699	0.000587291	9.59E-05	4.45E-05
7049	436683.8	3762709	0.000590003	9.64E-05	4.47E-05
7050	436683.8	3762718	0.000592248	9.68E-05	4.49E-05
7051	436683.8	3762728	0.000594025	9.70E-05	4.50E-05
7052	436683.8	3762738	0.000595334	9.73E-05	4.51E-05
7053	436683.8	3762747	0.00059627	9.74E-05	4.52E-05
7054	436683.8	3762757	0.000596644	9.75E-05	4.52E-05
7055	436683.8	3762767	0.000596737	9.75E-05	4.52E-05
7056	436683.8	3762776	0.00059627	9.74E-05	4.52E-05
7057	436683.8	3762786	0.000595522	9.73E-05	4.51E-05
7058	436683.8	3762796	0.000594399	9.71E-05	4.50E-05
7059	436683.8	3762806	0.000592996	9.69E-05	4.49E-05
7060	436683.8	3762815	0.000591126	9.66E-05	4.48E-05
7061	436683.8	3762825	0.000589068	9.62E-05	4.46E-05
7062	436683.8	3762835	0.000586636	9.58E-05	4.45E-05
7063	436683.8	3762844	0.00058383	9.54E-05	4.42E-05
7064	436683.8	3762854	0.000580837	9.49E-05	4.40E-05
7065	436647.5	3762690	0.000536409	8.76E-05	4.06E-05
7066	436651.1	3762681	0.00053828	8.79E-05	4.08E-05

7067	436654.8	3762672	0.000539776	8.82E-05	4.09E-05
7068	436658.5	3762663	0.000540899	8.84E-05	4.10E-05
7069	436662.2	3762654	0.000541553	8.85E-05	4.10E-05
7070	436665.8	3762645	0.000541834	8.85E-05	4.11E-05
7071	436669.5	3762637	0.00054174	8.85E-05	4.11E-05
7072	436673.2	3762628	0.000541273	8.84E-05	4.10E-05
7073	436676.8	3762619	0.000540431	8.83E-05	4.10E-05
7074	436680.5	3762610	0.000539121	8.81E-05	4.09E-05
7075	436684.2	3762601	0.000537531	8.78E-05	4.07E-05
7076	436687.9	3762592	0.000535661	8.75E-05	4.06E-05
7077	436691.5	3762583	0.000533416	8.71E-05	4.04E-05
7078	436695.2	3762574	0.000530891	8.67E-05	4.02E-05
7079	436698.9	3762565	0.000528272	8.63E-05	4.00E-05
7080	436702.6	3762556	0.000525372	8.58E-05	3.98E-05
7081	436706.2	3762548	0.000522379	8.53E-05	3.96E-05
7082	436709.9	3762539	0.000519199	8.48E-05	3.93E-05
7083	436713.6	3762530	0.000515832	8.43E-05	3.91E-05
7084	436717.2	3762521	0.000512465	8.37E-05	3.88E-05
7085	436720.9	3762512	0.00050891	8.31E-05	3.86E-05
7086	436724.6	3762503	0.000505356	8.26E-05	3.83E-05
7087	436728.3	3762494	0.000501708	8.20E-05	3.80E-05
7088	436746.6	3762450	0.000483189	7.89E-05	3.66E-05
7089	436750.3	3762441	0.000479541	7.83E-05	3.63E-05
7090	436754	3762432	0.000475987	7.78E-05	3.61E-05
7091	436757.6	3762423	0.000472433	7.72E-05	3.58E-05
7092	436761.3	3762414	0.000469066	7.66E-05	3.55E-05
7093	436765	3762405	0.000465698	7.61E-05	3.53E-05
7094	436790.7	3762343	0.000441754	7.22E-05	3.35E-05
7095	436794.3	3762334	0.000438013	7.16E-05	3.32E-05
7096	436798	3762325	0.000434365	7.10E-05	3.29E-05
7097	436801.7	3762316	0.000430811	7.04E-05	3.26E-05
7098	436805.4	3762307	0.000427257	6.98E-05	3.24E-05
7099	436809	3762298	0.000423609	6.92E-05	3.21E-05
7100	436812.7	3762289	0.000420148	6.86E-05	3.18E-05
7101	436816.4	3762280	0.0004165	6.80E-05	3.16E-05
7102	436820	3762272	0.000412946	6.75E-05	3.13E-05
7103	436823.7	3762263	0.000409111	6.68E-05	3.10E-05
7104	436827.4	3762254	0.000405276	6.62E-05	3.07E-05
7105	436831.1	3762245	0.000401348	6.56E-05	3.04E-05
7106	436834.7	3762236	0.00039742	6.49E-05	3.01E-05
7107	436838.4	3762227	0.000393398	6.43E-05	2.98E-05
7108	436842.1	3762218	0.000389189	6.36E-05	2.95E-05
7109	436845.7	3762209	0.00038498	6.29E-05	2.92E-05
7110	436849.4	3762200	0.000380397	6.21E-05	2.88E-05
7111	436862	3762188	0.000377404	6.17E-05	2.86E-05
7112	436897.5	3762173	0.000384886	6.29E-05	2.92E-05
7113	436906.4	3762169	0.000386757	6.32E-05	2.93E-05
7114	436915.3	3762165	0.000388534	6.35E-05	2.94E-05
7115	436924.1	3762162	0.000390124	6.37E-05	2.96E-05
7116	436933	3762158	0.00039134	6.39E-05	2.97E-05
7117	436941.9	3762154	0.000392369	6.41E-05	2.97E-05
7118	436950.8	3762150	0.000393211	6.42E-05	2.98E-05

7119	436959.7	3762147	0.000393678	6.43E-05	2.98E-05
7120	436968.5	3762143	0.000393865	6.43E-05	2.98E-05
7121	436977.4	3762139	0.000393865	6.43E-05	2.98E-05
7122	436986.3	3762135	0.000393959	6.44E-05	2.99E-05
7123	436995.2	3762132	0.000394053	6.44E-05	2.99E-05
7124	437004.1	3762128	0.000393959	6.44E-05	2.99E-05
7125	437012.9	3762124	0.000393678	6.43E-05	2.98E-05
7126	437021.8	3762121	0.000393491	6.43E-05	2.98E-05
7127	436643.8	3762699	0.000534071	8.72E-05	4.05E-05
7128	436643.8	3762709	0.000536222	8.76E-05	4.06E-05
7129	436643.8	3762718	0.000537906	8.79E-05	4.08E-05
7130	436643.8	3762728	0.000539215	8.81E-05	4.09E-05
7131	436643.8	3762738	0.000540057	8.82E-05	4.09E-05
7132	436643.8	3762747	0.000540524	8.83E-05	4.10E-05
7133	436643.8	3762757	0.000540712	8.83E-05	4.10E-05
7134	436643.8	3762767	0.000540524	8.83E-05	4.10E-05
7135	436643.8	3762776	0.000540057	8.82E-05	4.09E-05
7136	436643.8	3762786	0.000539309	8.81E-05	4.09E-05
7137	436643.8	3762796	0.000538186	8.79E-05	4.08E-05
7138	436643.8	3762806	0.000536877	8.77E-05	4.07E-05
7139	436643.8	3762815	0.000535287	8.74E-05	4.06E-05
7140	436643.8	3762825	0.000533416	8.71E-05	4.04E-05
7141	436643.8	3762835	0.000531265	8.68E-05	4.03E-05
7142	436643.8	3762844	0.00052902	8.64E-05	4.01E-05
7143	436643.8	3762854	0.000526495	8.60E-05	3.99E-05
7144	436607.5	3762690	0.00049011	8.01E-05	3.71E-05
7145	436611.2	3762681	0.000491888	8.04E-05	3.73E-05
7146	436614.9	3762672	0.000493478	8.06E-05	3.74E-05
7147	436618.5	3762663	0.000494694	8.08E-05	3.75E-05
7148	436622.2	3762654	0.000495535	8.10E-05	3.75E-05
7149	436625.9	3762645	0.000496003	8.10E-05	3.76E-05
7150	436629.6	3762636	0.000496096	8.10E-05	3.76E-05
7151	436633.3	3762627	0.000495909	8.10E-05	3.76E-05
7152	436636.9	3762619	0.000495348	8.09E-05	3.75E-05
7153	436640.6	3762610	0.000494506	8.08E-05	3.75E-05
7154	436644.3	3762601	0.000493291	8.06E-05	3.74E-05
7155	436648	3762592	0.000491888	8.04E-05	3.73E-05
7156	436651.7	3762583	0.000490204	8.01E-05	3.71E-05
7157	436655.4	3762574	0.000488146	7.97E-05	3.70E-05
7158	436659	3762565	0.000485995	7.94E-05	3.68E-05
7159	436662.7	3762556	0.000483657	7.90E-05	3.66E-05
7160	436666.4	3762547	0.000481038	7.86E-05	3.65E-05
7161	436670.1	3762538	0.000478325	7.81E-05	3.62E-05
7162	436673.8	3762529	0.000475519	7.77E-05	3.60E-05
7163	436677.4	3762520	0.000472526	7.72E-05	3.58E-05
7164	436681.1	3762511	0.000469533	7.67E-05	3.56E-05
7165	436684.8	3762502	0.000466353	7.62E-05	3.53E-05
7166	436688.5	3762494	0.000463173	7.57E-05	3.51E-05
7167	436706.9	3762449	0.000446337	7.29E-05	3.38E-05
7168	436710.6	3762440	0.00044297	7.24E-05	3.36E-05
7169	436714.3	3762431	0.00043979	7.18E-05	3.33E-05
7170	436717.9	3762422	0.00043661	7.13E-05	3.31E-05

7171	436721.6	3762413	0.000433617	7.08E-05	3.29E-05
7172	436725.3	3762404	0.000430811	7.04E-05	3.26E-05
7173	436729	3762395	0.000428005	6.99E-05	3.24E-05
7174	436732.7	3762386	0.000425105	6.94E-05	3.22E-05
7175	436736.4	3762377	0.000422206	6.90E-05	3.20E-05
7176	436754.8	3762333	0.000407241	6.65E-05	3.09E-05
7177	436795.3	3762235	0.000374037	6.11E-05	2.83E-05
7178	436798.9	3762226	0.000370763	6.06E-05	2.81E-05
7179	436802.6	3762217	0.000367302	6.00E-05	2.78E-05
7180	436806.3	3762208	0.000363748	5.94E-05	2.76E-05
7181	436810	3762199	0.0003601	5.88E-05	2.73E-05
7182	436813.7	3762190	0.000356359	5.82E-05	2.70E-05
7183	436817.4	3762181	0.000352524	5.76E-05	2.67E-05
7184	436821	3762172	0.000348783	5.70E-05	2.64E-05
7185	436833.6	3762159	0.000346632	5.66E-05	2.63E-05
7186	436860.3	3762148	0.000351121	5.74E-05	2.66E-05
7187	436869.2	3762145	0.000352711	5.76E-05	2.67E-05
7188	436878.1	3762141	0.000354208	5.79E-05	2.68E-05
7189	436887.1	3762137	0.000355611	5.81E-05	2.69E-05
7190	436896	3762133	0.000357107	5.83E-05	2.71E-05
7191	436904.9	3762130	0.000358323	5.85E-05	2.72E-05
7192	436913.8	3762126	0.000359352	5.87E-05	2.72E-05
7193	436922.7	3762122	0.000360194	5.88E-05	2.73E-05
7194	436931.6	3762118	0.000360661	5.89E-05	2.73E-05
7195	436940.5	3762115	0.000361036	5.90E-05	2.74E-05
7196	436949.4	3762111	0.000361223	5.90E-05	2.74E-05
7197	436958.3	3762107	0.000361223	5.90E-05	2.74E-05
7198	436967.2	3762103	0.000361036	5.90E-05	2.74E-05
7199	436976.1	3762100	0.000360661	5.89E-05	2.73E-05
7200	436985	3762096	0.000360474	5.89E-05	2.73E-05
7201	436993.9	3762092	0.000360381	5.89E-05	2.73E-05
7202	437261.1	3761980	0.000312212	5.10E-05	2.37E-05
7203	437270	3761976	0.000310341	5.07E-05	2.35E-05
7204	437278.9	3761973	0.00030847	5.04E-05	2.34E-05
7205	437287.8	3761969	0.00030688	5.01E-05	2.33E-05
7206	437296.7	3761965	0.00030529	4.99E-05	2.31E-05
7207	437305.6	3761961	0.000303887	4.96E-05	2.30E-05
7208	437314.5	3761958	0.000302578	4.94E-05	2.29E-05
7209	437323.4	3761954	0.000301455	4.92E-05	2.28E-05
7210	437332.3	3761950	0.000300333	4.91E-05	2.28E-05
7211	437341.2	3761946	0.000299304	4.89E-05	2.27E-05
7212	437350.1	3761943	0.000298275	4.87E-05	2.26E-05
7213	436603.8	3762699	0.000487959	7.97E-05	3.70E-05
7214	436603.8	3762709	0.000489549	8.00E-05	3.71E-05
7215	436603.8	3762718	0.000490859	8.02E-05	3.72E-05
7216	436603.8	3762728	0.000491794	8.03E-05	3.73E-05
7217	436603.8	3762738	0.000492449	8.04E-05	3.73E-05
7218	436603.8	3762747	0.000492823	8.05E-05	3.73E-05
7219	436603.8	3762757	0.000492823	8.05E-05	3.73E-05
7220	436603.8	3762767	0.000492542	8.05E-05	3.73E-05
7221	436603.8	3762776	0.000491981	8.04E-05	3.73E-05
7222	436603.8	3762786	0.000491139	8.02E-05	3.72E-05

7223	436603.8	3762796	0.000490017	8.01E-05	3.71E-05
7224	436603.8	3762806	0.000488707	7.98E-05	3.70E-05
7225	436603.8	3762815	0.000487304	7.96E-05	3.69E-05
7226	436603.8	3762825	0.000485621	7.93E-05	3.68E-05
7227	436603.8	3762835	0.000483844	7.90E-05	3.67E-05
7228	436603.8	3762844	0.00048188	7.87E-05	3.65E-05
7229	436603.8	3762854	0.000479822	7.84E-05	3.64E-05
7230	436574.9	3762672	0.000453259	7.40E-05	3.43E-05
7231	436578.6	3762663	0.000454381	7.42E-05	3.44E-05
7232	436582.3	3762654	0.000455316	7.44E-05	3.45E-05
7233	436586	3762645	0.000455878	7.45E-05	3.45E-05
7234	436589.6	3762636	0.000456065	7.45E-05	3.46E-05
7235	436593.3	3762627	0.000456065	7.45E-05	3.46E-05
7236	436597	3762618	0.000455784	7.45E-05	3.45E-05
7237	436600.7	3762609	0.000455129	7.44E-05	3.45E-05
7238	436604.4	3762600	0.000454194	7.42E-05	3.44E-05
7239	436608.1	3762592	0.000453072	7.40E-05	3.43E-05
7240	436611.8	3762583	0.000451669	7.38E-05	3.42E-05
7241	436615.5	3762574	0.000449985	7.35E-05	3.41E-05
7242	436619.2	3762565	0.000448208	7.32E-05	3.40E-05
7243	436622.9	3762556	0.000446337	7.29E-05	3.38E-05
7244	436626.6	3762547	0.000444279	7.26E-05	3.37E-05
7245	436630.2	3762538	0.000442128	7.22E-05	3.35E-05
7246	436633.9	3762529	0.000439883	7.19E-05	3.33E-05
7247	436637.6	3762520	0.000437452	7.15E-05	3.31E-05
7248	436641.3	3762511	0.000434833	7.10E-05	3.29E-05
7249	436645	3762502	0.00043212	7.06E-05	3.27E-05
7250	436648.7	3762493	0.000429408	7.02E-05	3.25E-05
7251	436652.4	3762484	0.000426508	6.97E-05	3.23E-05
7252	436667.2	3762448	0.000414443	6.77E-05	3.14E-05
7253	436670.8	3762439	0.00041145	6.72E-05	3.12E-05
7254	436674.5	3762430	0.000408457	6.67E-05	3.10E-05
7255	436678.2	3762421	0.000405463	6.62E-05	3.07E-05
7256	436681.9	3762412	0.000402845	6.58E-05	3.05E-05
7257	436685.6	3762404	0.000400319	6.54E-05	3.03E-05
7258	436689.3	3762395	0.000397794	6.50E-05	3.01E-05
7259	436693	3762386	0.000395175	6.46E-05	2.99E-05
7260	436707.8	3762350	0.00038526	6.29E-05	2.92E-05
7261	436711.4	3762341	0.000382642	6.25E-05	2.90E-05
7262	436715.1	3762332	0.000379929	6.21E-05	2.88E-05
7263	436718.8	3762323	0.000377217	6.16E-05	2.86E-05
7264	436722.5	3762314	0.000374598	6.12E-05	2.84E-05
7265	436726.2	3762305	0.000371885	6.08E-05	2.82E-05
7266	436729.9	3762296	0.00036936	6.03E-05	2.80E-05
7267	436733.6	3762287	0.000366835	5.99E-05	2.78E-05
7268	436737.3	3762278	0.000364309	5.95E-05	2.76E-05
7269	436741	3762269	0.00036169	5.91E-05	2.74E-05
7270	436744.7	3762260	0.000358978	5.86E-05	2.72E-05
7271	436748.4	3762251	0.000356265	5.82E-05	2.70E-05
7272	436792.7	3762144	0.000321191	5.25E-05	2.43E-05
7273	436805.3	3762131	0.000319601	5.22E-05	2.42E-05
7274	436832.1	3762120	0.00032409	5.29E-05	2.46E-05

7275	436841	3762116	0.0003254	5.32E-05	2.47E-05
7276	436849.9	3762113	0.000326616	5.34E-05	2.47E-05
7277	436858.8	3762109	0.000327832	5.36E-05	2.48E-05
7278	436867.8	3762105	0.000328954	5.37E-05	2.49E-05
7279	436876.7	3762101	0.000330076	5.39E-05	2.50E-05
7280	436885.6	3762098	0.000331012	5.41E-05	2.51E-05
7281	437162.4	3761981	0.00030501	4.98E-05	2.31E-05
7282	437171.3	3761978	0.000303232	4.95E-05	2.30E-05
7283	437180.2	3761974	0.000301362	4.92E-05	2.28E-05
7284	437189.1	3761970	0.000299585	4.89E-05	2.27E-05
7285	437198.1	3761966	0.000297808	4.87E-05	2.26E-05
7286	437207	3761963	0.00029603	4.84E-05	2.24E-05
7287	437215.9	3761959	0.000294347	4.81E-05	2.23E-05
7288	437224.9	3761955	0.00029257	4.78E-05	2.22E-05
7289	437233.8	3761951	0.000290793	4.75E-05	2.20E-05
7290	437242.7	3761948	0.000289109	4.72E-05	2.19E-05
7291	437251.6	3761944	0.000287519	4.70E-05	2.18E-05
7292	437260.6	3761940	0.000286022	4.67E-05	2.17E-05
7293	437269.5	3761936	0.000284526	4.65E-05	2.16E-05
7294	437278.4	3761933	0.000283216	4.63E-05	2.15E-05
7295	437287.3	3761929	0.000281907	4.61E-05	2.14E-05
7296	437296.3	3761925	0.000280691	4.59E-05	2.13E-05
7297	437305.2	3761921	0.000279475	4.57E-05	2.12E-05
7298	437314.1	3761918	0.000278446	4.55E-05	2.11E-05
7299	437323.1	3761914	0.000277511	4.53E-05	2.10E-05
7300	437332	3761910	0.000276669	4.52E-05	2.10E-05
7301	437340.9	3761906	0.000275921	4.51E-05	2.09E-05
7302	437349.8	3761903	0.000275079	4.49E-05	2.08E-05
7303	436527.4	3762690	0.000415097	6.78E-05	3.15E-05
7304	436531.1	3762681	0.000416781	6.81E-05	3.16E-05
7305	436534.7	3762672	0.000418277	6.83E-05	3.17E-05
7306	436538.4	3762664	0.000419493	6.85E-05	3.18E-05
7307	436542	3762655	0.000420429	6.87E-05	3.19E-05
7308	436545.7	3762646	0.000421083	6.88E-05	3.19E-05
7309	436549.3	3762637	0.000421551	6.89E-05	3.19E-05
7310	436574.8	3762575	0.000417623	6.82E-05	3.16E-05
7311	436578.5	3762566	0.000416126	6.80E-05	3.15E-05
7312	436582.1	3762558	0.000414536	6.77E-05	3.14E-05
7313	436585.8	3762549	0.000412853	6.74E-05	3.13E-05
7314	436589.4	3762540	0.000410888	6.71E-05	3.11E-05
7315	436593	3762531	0.000409018	6.68E-05	3.10E-05
7316	436596.7	3762522	0.00040696	6.65E-05	3.08E-05
7317	436600.3	3762513	0.000404809	6.61E-05	3.07E-05
7318	436604	3762504	0.000402564	6.58E-05	3.05E-05
7319	436607.6	3762496	0.000400226	6.54E-05	3.03E-05
7320	436611.3	3762487	0.000397887	6.50E-05	3.02E-05
7321	436629.5	3762443	0.00038526	6.29E-05	2.92E-05
7322	436633.1	3762434	0.000382642	6.25E-05	2.90E-05
7323	436636.8	3762425	0.000379929	6.21E-05	2.88E-05
7324	436640.4	3762416	0.000377404	6.17E-05	2.86E-05
7325	436644.1	3762407	0.000374972	6.13E-05	2.84E-05
7326	436647.7	3762398	0.000372634	6.09E-05	2.82E-05

7327	436651.4	3762390	0.000370295	6.05E-05	2.81E-05
7328	436665.9	3762354	0.000361129	5.90E-05	2.74E-05
7329	436669.6	3762345	0.000358884	5.86E-05	2.72E-05
7330	436673.2	3762337	0.00035664	5.83E-05	2.70E-05
7331	436676.9	3762328	0.000354488	5.79E-05	2.69E-05
7332	436680.5	3762319	0.000352243	5.75E-05	2.67E-05
7333	436684.2	3762310	0.000349905	5.72E-05	2.65E-05
7334	436687.8	3762301	0.000347473	5.68E-05	2.63E-05
7335	436691.4	3762292	0.000345229	5.64E-05	2.62E-05
7336	436695.1	3762284	0.000342984	5.60E-05	2.60E-05
7337	436698.7	3762275	0.000340645	5.56E-05	2.58E-05
7338	436702.4	3762266	0.000338307	5.53E-05	2.56E-05
7339	436706	3762257	0.000335875	5.49E-05	2.55E-05
7340	436709.7	3762248	0.00033335	5.45E-05	2.53E-05
7341	436713.3	3762239	0.000331012	5.41E-05	2.51E-05
7342	436716.9	3762231	0.00032886	5.37E-05	2.49E-05
7343	436720.6	3762222	0.000326709	5.34E-05	2.48E-05
7344	436724.2	3762213	0.000324558	5.30E-05	2.46E-05
7345	436727.9	3762204	0.000322313	5.27E-05	2.44E-05
7346	436731.5	3762195	0.000319975	5.23E-05	2.42E-05
7347	437067.6	3761981	0.000296405	4.84E-05	2.25E-05
7348	437076.5	3761977	0.000295095	4.82E-05	2.24E-05
7349	437085.3	3761974	0.000293692	4.80E-05	2.23E-05
7350	437094.1	3761970	0.000292196	4.77E-05	2.21E-05
7351	437102.9	3761966	0.000290606	4.75E-05	2.20E-05
7352	437111.7	3761963	0.000288922	4.72E-05	2.19E-05
7353	437120.5	3761959	0.000287238	4.69E-05	2.18E-05
7354	437129.3	3761955	0.000285555	4.66E-05	2.16E-05
7355	437138.2	3761951	0.000283965	4.64E-05	2.15E-05
7356	437147	3761948	0.000282375	4.61E-05	2.14E-05
7357	437155.8	3761944	0.000280785	4.59E-05	2.13E-05
7358	437164.6	3761940	0.000279195	4.56E-05	2.12E-05
7359	437173.4	3761937	0.000277698	4.54E-05	2.10E-05
7360	437182.2	3761933	0.000276108	4.51E-05	2.09E-05
7361	437191	3761929	0.000274518	4.48E-05	2.08E-05
7362	437199.9	3761926	0.000273021	4.46E-05	2.07E-05
7363	437208.7	3761922	0.000271431	4.43E-05	2.06E-05
7364	437217.5	3761918	0.000270028	4.41E-05	2.05E-05
7365	437226.3	3761914	0.000268532	4.39E-05	2.03E-05
7366	437235.1	3761911	0.000267129	4.36E-05	2.02E-05
7367	437243.9	3761907	0.000265726	4.34E-05	2.01E-05
7368	437252.7	3761903	0.00026451	4.32E-05	2.00E-05
7369	437261.6	3761900	0.000263294	4.30E-05	2.00E-05
7370	437270.4	3761896	0.000262172	4.28E-05	1.99E-05
7371	437279.2	3761892	0.000261143	4.27E-05	1.98E-05
7372	436523.8	3762699	0.000413227	6.75E-05	3.13E-05
7373	436523.8	3762709	0.000414162	6.77E-05	3.14E-05
7374	436523.8	3762718	0.000414817	6.78E-05	3.14E-05
7375	436523.8	3762728	0.000415284	6.78E-05	3.15E-05
7376	436523.8	3762738	0.000415565	6.79E-05	3.15E-05
7377	436523.8	3762747	0.000415659	6.79E-05	3.15E-05
7378	436523.8	3762757	0.000415471	6.79E-05	3.15E-05

7379	436523.8	3762767	0.000415004	6.78E-05	3.14E-05
7380	436523.8	3762776	0.000414443	6.77E-05	3.14E-05
7381	436523.8	3762786	0.000413601	6.76E-05	3.13E-05
7382	436523.8	3762796	0.000412759	6.74E-05	3.13E-05
7383	436523.8	3762806	0.000411637	6.72E-05	3.12E-05
7384	436523.8	3762815	0.000410421	6.70E-05	3.11E-05
7385	436523.8	3762825	0.000409111	6.68E-05	3.10E-05
7386	436523.8	3762835	0.000407615	6.66E-05	3.09E-05
7387	436523.8	3762844	0.000406118	6.63E-05	3.08E-05
7388	436523.8	3762854	0.000404528	6.61E-05	3.07E-05
7389	436487.5	3762690	0.000384419	6.28E-05	2.91E-05
7390	436491.1	3762681	0.000386009	6.31E-05	2.93E-05
7391	436494.8	3762672	0.000387412	6.33E-05	2.94E-05
7392	436498.4	3762663	0.000388534	6.35E-05	2.94E-05
7393	436502.1	3762655	0.000389563	6.36E-05	2.95E-05
7394	436505.7	3762646	0.000390311	6.38E-05	2.96E-05
7395	436509.4	3762637	0.000390872	6.39E-05	2.96E-05
7396	436513	3762628	0.000391153	6.39E-05	2.96E-05
7397	436516.7	3762619	0.00039134	6.39E-05	2.97E-05
7398	436520.3	3762610	0.000391247	6.39E-05	2.96E-05
7399	436524	3762601	0.000390872	6.39E-05	2.96E-05
7400	436527.7	3762593	0.000390405	6.38E-05	2.96E-05
7401	436531.3	3762584	0.00038975	6.37E-05	2.95E-05
7402	436535	3762575	0.000388815	6.35E-05	2.95E-05
7403	436538.6	3762566	0.000387692	6.33E-05	2.94E-05
7404	436542.3	3762557	0.000386383	6.31E-05	2.93E-05
7405	436545.9	3762548	0.00038498	6.29E-05	2.92E-05
7406	436549.6	3762539	0.000383296	6.26E-05	2.90E-05
7407	436589.8	3762442	0.0003601	5.88E-05	2.73E-05
7408	436593.4	3762433	0.000357762	5.84E-05	2.71E-05
7409	436597.1	3762424	0.000355424	5.81E-05	2.69E-05
7410	436600.7	3762415	0.000353179	5.77E-05	2.68E-05
7411	436604.4	3762406	0.000351028	5.73E-05	2.66E-05
7412	436608	3762398	0.000348876	5.70E-05	2.64E-05
7413	436611.7	3762389	0.000346725	5.66E-05	2.63E-05
7414	436626.3	3762353	0.000338027	5.52E-05	2.56E-05
7415	436630	3762344	0.000335875	5.49E-05	2.55E-05
7416	436633.6	3762336	0.000333724	5.45E-05	2.53E-05
7417	436637.3	3762327	0.000331666	5.42E-05	2.51E-05
7418	436640.9	3762318	0.000329609	5.38E-05	2.50E-05
7419	436644.6	3762309	0.000327644	5.35E-05	2.48E-05
7420	436648.2	3762300	0.00032568	5.32E-05	2.47E-05
7421	436651.9	3762291	0.000323716	5.29E-05	2.45E-05
7422	436655.6	3762282	0.000321752	5.26E-05	2.44E-05
7423	436659.2	3762274	0.000319881	5.23E-05	2.42E-05
7424	436662.9	3762265	0.000317824	5.19E-05	2.41E-05
7425	436666.5	3762256	0.000315766	5.16E-05	2.39E-05
7426	436670.2	3762247	0.000313615	5.12E-05	2.38E-05
7427	436673.8	3762238	0.000311463	5.09E-05	2.36E-05
7428	436677.5	3762229	0.000309406	5.05E-05	2.34E-05
7429	436681.1	3762220	0.000307441	5.02E-05	2.33E-05
7430	436684.8	3762212	0.000305384	4.99E-05	2.31E-05

7431	436688.4	3762203	0.000303513	4.96E-05	2.30E-05
7432	436978.2	3761978	0.000281907	4.61E-05	2.14E-05
7433	436987.1	3761975	0.000281159	4.59E-05	2.13E-05
7434	436995.9	3761971	0.000280504	4.58E-05	2.13E-05
7435	437004.7	3761967	0.000279849	4.57E-05	2.12E-05
7436	437013.6	3761964	0.000279195	4.56E-05	2.12E-05
7437	437022.4	3761960	0.00027854	4.55E-05	2.11E-05
7438	437031.3	3761956	0.000277698	4.54E-05	2.10E-05
7439	437040.1	3761952	0.000276856	4.52E-05	2.10E-05
7440	437048.9	3761949	0.000275734	4.50E-05	2.09E-05
7441	437057.8	3761945	0.000274612	4.49E-05	2.08E-05
7442	437066.6	3761941	0.000273396	4.47E-05	2.07E-05
7443	437075.4	3761938	0.000271993	4.44E-05	2.06E-05
7444	437084.3	3761934	0.000270496	4.42E-05	2.05E-05
7445	437093.1	3761930	0.000269	4.39E-05	2.04E-05
7446	437102	3761927	0.000267503	4.37E-05	2.03E-05
7447	437110.8	3761923	0.0002661	4.35E-05	2.02E-05
7448	437119.6	3761919	0.000264604	4.32E-05	2.01E-05
7449	437128.5	3761915	0.000263201	4.30E-05	1.99E-05
7450	437137.3	3761912	0.000261798	4.28E-05	1.98E-05
7451	437146.1	3761908	0.000260395	4.25E-05	1.97E-05
7452	437155	3761904	0.000258898	4.23E-05	1.96E-05
7453	437163.8	3761901	0.000257495	4.21E-05	1.95E-05
7454	437172.7	3761897	0.000255999	4.18E-05	1.94E-05
7455	437181.5	3761893	0.000254596	4.16E-05	1.93E-05
7456	437190.3	3761889	0.000253286	4.14E-05	1.92E-05
7457	436483.8	3762699	0.000382642	6.25E-05	2.90E-05
7458	436483.8	3762709	0.00038339	6.26E-05	2.91E-05
7459	436483.8	3762718	0.000383951	6.27E-05	2.91E-05
7460	436483.8	3762728	0.000384138	6.28E-05	2.91E-05
7461	436483.8	3762738	0.000384232	6.28E-05	2.91E-05
7462	436483.8	3762747	0.000384138	6.28E-05	2.91E-05
7463	436483.8	3762757	0.000383857	6.27E-05	2.91E-05
7464	436483.8	3762767	0.00038339	6.26E-05	2.91E-05
7465	436483.8	3762776	0.000382829	6.25E-05	2.90E-05
7466	436483.8	3762786	0.00038208	6.24E-05	2.90E-05
7467	436483.8	3762796	0.000381239	6.23E-05	2.89E-05
7468	436483.8	3762806	0.000380303	6.21E-05	2.88E-05
7469	436483.8	3762815	0.000379274	6.20E-05	2.87E-05
7470	436483.8	3762825	0.000378058	6.18E-05	2.86E-05
7471	436483.8	3762835	0.000376843	6.16E-05	2.86E-05
7472	436483.8	3762844	0.00037544	6.13E-05	2.84E-05
7473	436483.8	3762854	0.000374037	6.11E-05	2.83E-05
7474	436447.5	3762690	0.000357294	5.84E-05	2.71E-05
7475	436451.1	3762681	0.000358791	5.86E-05	2.72E-05
7476	436454.8	3762672	0.0003601	5.88E-05	2.73E-05
7477	436458.5	3762663	0.000361316	5.90E-05	2.74E-05
7478	436462.1	3762654	0.000362251	5.92E-05	2.74E-05
7479	436465.8	3762646	0.000363	5.93E-05	2.75E-05
7480	436469.4	3762637	0.000363654	5.94E-05	2.76E-05
7481	436473.1	3762628	0.000364029	5.95E-05	2.76E-05
7482	436476.8	3762619	0.000364309	5.95E-05	2.76E-05

7483	436480.4	3762610	0.000364403	5.95E-05	2.76E-05
7484	436484.1	3762601	0.000364309	5.95E-05	2.76E-05
7485	436487.8	3762592	0.000363935	5.95E-05	2.76E-05
7486	436491.4	3762583	0.000363467	5.94E-05	2.75E-05
7487	436495.1	3762575	0.000362813	5.93E-05	2.75E-05
7488	436498.8	3762566	0.000361971	5.91E-05	2.74E-05
7489	436502.4	3762557	0.000360942	5.90E-05	2.74E-05
7490	436506.1	3762548	0.00035982	5.88E-05	2.73E-05
7491	436509.7	3762539	0.00035851	5.86E-05	2.72E-05
7492	436513.4	3762530	0.000357014	5.83E-05	2.71E-05
7493	436517.1	3762521	0.000355424	5.81E-05	2.69E-05
7494	436520.7	3762512	0.00035374	5.78E-05	2.68E-05
7495	436524.4	3762503	0.000351869	5.75E-05	2.67E-05
7496	436528.1	3762495	0.000349905	5.72E-05	2.65E-05
7497	436531.7	3762486	0.000347754	5.68E-05	2.64E-05
7498	436535.4	3762477	0.000345696	5.65E-05	2.62E-05
7499	436539	3762468	0.000343545	5.61E-05	2.60E-05
7500	436542.7	3762459	0.000341487	5.58E-05	2.59E-05
7501	436546.4	3762450	0.000339336	5.54E-05	2.57E-05
7502	436583	3762361	0.000319133	5.21E-05	2.42E-05
7503	436586.7	3762352	0.000317169	5.18E-05	2.40E-05
7504	436590.3	3762344	0.000315205	5.15E-05	2.39E-05
7505	436594	3762335	0.00031324	5.12E-05	2.37E-05
7506	436597.7	3762326	0.00031137	5.09E-05	2.36E-05
7507	436601.3	3762317	0.000309499	5.06E-05	2.35E-05
7508	436605	3762308	0.000307722	5.03E-05	2.33E-05
7509	436608.7	3762299	0.000305851	5.00E-05	2.32E-05
7510	436612.3	3762290	0.000304074	4.97E-05	2.30E-05
7511	436616	3762281	0.000302391	4.94E-05	2.29E-05
7512	436619.6	3762273	0.000300614	4.91E-05	2.28E-05
7513	436623.3	3762264	0.00029893	4.88E-05	2.27E-05
7514	436627	3762255	0.000297246	4.86E-05	2.25E-05
7515	436630.6	3762246	0.000295563	4.83E-05	2.24E-05
7516	436634.3	3762237	0.000293786	4.80E-05	2.23E-05
7517	436638	3762228	0.000292196	4.77E-05	2.21E-05
7518	436641.6	3762219	0.000290512	4.75E-05	2.20E-05
7519	436645.3	3762210	0.000288735	4.72E-05	2.19E-05
7520	436648.9	3762201	0.000286958	4.69E-05	2.17E-05
7521	436652.6	3762193	0.000285274	4.66E-05	2.16E-05
7522	436656.3	3762184	0.000283591	4.63E-05	2.15E-05
7523	436659.9	3762175	0.000281814	4.60E-05	2.14E-05
7524	436663.6	3762166	0.000280036	4.57E-05	2.12E-05
7525	436667.3	3762157	0.000278259	4.55E-05	2.11E-05
7526	436670.9	3762148	0.000276482	4.52E-05	2.10E-05
7527	436674.6	3762139	0.000274705	4.49E-05	2.08E-05
7528	436678.3	3762130	0.000272834	4.46E-05	2.07E-05
7529	436879.6	3761980	0.000266474	4.35E-05	2.02E-05
7530	436888.4	3761976	0.000266568	4.35E-05	2.02E-05
7531	436897.3	3761972	0.000266661	4.36E-05	2.02E-05
7532	436906.1	3761969	0.000266568	4.35E-05	2.02E-05
7533	436915	3761965	0.000266474	4.35E-05	2.02E-05
7534	436923.9	3761961	0.0002661	4.35E-05	2.02E-05

7535	436932.7	3761957	0.000265539	4.34E-05	2.01E-05
7536	436941.6	3761954	0.000264978	4.33E-05	2.01E-05
7537	436950.4	3761950	0.000264323	4.32E-05	2.00E-05
7538	436959.3	3761946	0.000263762	4.31E-05	2.00E-05
7539	436968.2	3761943	0.000263294	4.30E-05	2.00E-05
7540	436977	3761939	0.000262639	4.29E-05	1.99E-05
7541	436985.9	3761935	0.000261985	4.28E-05	1.99E-05
7542	436994.7	3761931	0.000261143	4.27E-05	1.98E-05
7543	437003.6	3761928	0.000260301	4.25E-05	1.97E-05
7544	437012.5	3761924	0.000259366	4.24E-05	1.97E-05
7545	437021.3	3761920	0.00025843	4.22E-05	1.96E-05
7546	437030.2	3761917	0.000257402	4.21E-05	1.95E-05
7547	437039	3761913	0.000256373	4.19E-05	1.94E-05
7548	437047.9	3761909	0.000255157	4.17E-05	1.93E-05
7549	437056.8	3761905	0.000253847	4.15E-05	1.92E-05
7550	437065.6	3761902	0.000252631	4.13E-05	1.91E-05
7551	437074.5	3761898	0.000251415	4.11E-05	1.91E-05
7552	437083.3	3761894	0.000250106	4.09E-05	1.90E-05
7553	437092.2	3761891	0.00024889	4.07E-05	1.89E-05
7554	437101.1	3761887	0.000247674	4.05E-05	1.88E-05
7555	436443.8	3762699	0.000355611	5.81E-05	2.69E-05
7556	436443.8	3762709	0.000356172	5.82E-05	2.70E-05
7557	436443.8	3762718	0.000356546	5.82E-05	2.70E-05
7558	436443.8	3762728	0.000356733	5.83E-05	2.70E-05
7559	436443.8	3762738	0.000356733	5.83E-05	2.70E-05
7560	436443.8	3762747	0.000356546	5.82E-05	2.70E-05
7561	436443.8	3762757	0.000356265	5.82E-05	2.70E-05
7562	436443.8	3762767	0.000355798	5.81E-05	2.70E-05
7563	436443.8	3762776	0.000355143	5.80E-05	2.69E-05
7564	436443.8	3762786	0.000354488	5.79E-05	2.69E-05
7565	436443.8	3762796	0.00035374	5.78E-05	2.68E-05
7566	436443.8	3762806	0.000352898	5.77E-05	2.67E-05
7567	436443.8	3762815	0.000351869	5.75E-05	2.67E-05
7568	436443.8	3762825	0.00035084	5.73E-05	2.66E-05
7569	436443.8	3762835	0.000349718	5.71E-05	2.65E-05
7570	436443.8	3762844	0.000348502	5.69E-05	2.64E-05
7571	436443.8	3762854	0.000347193	5.67E-05	2.63E-05
7572	436407.5	3762690	0.000332976	5.44E-05	2.52E-05
7573	436411.1	3762681	0.000334472	5.46E-05	2.53E-05
7574	436414.8	3762672	0.000335782	5.49E-05	2.54E-05
7575	436418.5	3762663	0.000336904	5.50E-05	2.55E-05
7576	436422.2	3762654	0.000337839	5.52E-05	2.56E-05
7577	436425.8	3762645	0.000338681	5.53E-05	2.57E-05
7578	436429.5	3762637	0.000339242	5.54E-05	2.57E-05
7579	436433.2	3762628	0.00033971	5.55E-05	2.57E-05
7580	436436.8	3762619	0.000340084	5.56E-05	2.58E-05
7581	436440.5	3762610	0.000340271	5.56E-05	2.58E-05
7582	436444.2	3762601	0.000340365	5.56E-05	2.58E-05
7583	436447.9	3762592	0.000340178	5.56E-05	2.58E-05
7584	436451.5	3762583	0.000339804	5.55E-05	2.57E-05
7585	436455.2	3762574	0.000339242	5.54E-05	2.57E-05
7586	436458.9	3762565	0.000338588	5.53E-05	2.57E-05

7587	436462.6	3762556	0.000337746	5.52E-05	2.56E-05
7588	436466.2	3762548	0.000336717	5.50E-05	2.55E-05
7589	436469.9	3762539	0.000335595	5.48E-05	2.54E-05
7590	436473.6	3762530	0.000334472	5.46E-05	2.53E-05
7591	436477.2	3762521	0.000333163	5.44E-05	2.52E-05
7592	436480.9	3762512	0.000331666	5.42E-05	2.51E-05
7593	436484.6	3762503	0.00033017	5.39E-05	2.50E-05
7594	436488.3	3762494	0.00032858	5.37E-05	2.49E-05
7595	436491.9	3762485	0.000326803	5.34E-05	2.48E-05
7596	436495.6	3762476	0.000324932	5.31E-05	2.46E-05
7597	436499.3	3762467	0.000322968	5.28E-05	2.45E-05
7598	436502.9	3762459	0.000321004	5.24E-05	2.43E-05
7599	436506.6	3762450	0.000319039	5.21E-05	2.42E-05
7600	436510.3	3762441	0.000317075	5.18E-05	2.40E-05
7601	436514	3762432	0.000315111	5.15E-05	2.39E-05
7602	436517.6	3762423	0.000313147	5.12E-05	2.37E-05
7603	436521.3	3762414	0.000311183	5.08E-05	2.36E-05
7604	436525	3762405	0.000309312	5.05E-05	2.34E-05
7605	436528.6	3762396	0.000307441	5.02E-05	2.33E-05
7606	436532.3	3762387	0.000305571	4.99E-05	2.32E-05
7607	436536	3762378	0.000303794	4.96E-05	2.30E-05
7608	436547	3762352	0.000298462	4.88E-05	2.26E-05
7609	436550.7	3762343	0.000296685	4.85E-05	2.25E-05
7610	436554.3	3762334	0.000294908	4.82E-05	2.23E-05
7611	436558	3762325	0.000293224	4.79E-05	2.22E-05
7612	436561.7	3762316	0.000291541	4.76E-05	2.21E-05
7613	436565.4	3762307	0.000289857	4.74E-05	2.20E-05
7614	436569	3762298	0.000288267	4.71E-05	2.18E-05
7615	436572.7	3762289	0.000286771	4.68E-05	2.17E-05
7616	436576.4	3762280	0.000285274	4.66E-05	2.16E-05
7617	436580	3762272	0.000283778	4.64E-05	2.15E-05
7618	436583.7	3762263	0.000282375	4.61E-05	2.14E-05
7619	436587.4	3762254	0.000280972	4.59E-05	2.13E-05
7620	436591.1	3762245	0.000279569	4.57E-05	2.12E-05
7621	436594.7	3762236	0.000278072	4.54E-05	2.11E-05
7622	436598.4	3762227	0.000276669	4.52E-05	2.10E-05
7623	436602.1	3762218	0.000275266	4.50E-05	2.09E-05
7624	436605.7	3762209	0.00027377	4.47E-05	2.07E-05
7625	436609.4	3762200	0.00027218	4.45E-05	2.06E-05
7626	436613.1	3762191	0.00027059	4.42E-05	2.05E-05
7627	436616.8	3762182	0.000268906	4.39E-05	2.04E-05
7628	436620.4	3762174	0.000267222	4.37E-05	2.02E-05
7629	436624.1	3762165	0.000265632	4.34E-05	2.01E-05
7630	436627.8	3762156	0.000264042	4.31E-05	2.00E-05
7631	436631.4	3762147	0.000262452	4.29E-05	1.99E-05
7632	436635.1	3762138	0.000260862	4.26E-05	1.98E-05
7633	436638.8	3762129	0.000259272	4.24E-05	1.96E-05
7634	436642.5	3762120	0.000257682	4.21E-05	1.95E-05
7635	436816.1	3761966	0.000248142	4.05E-05	1.88E-05
7636	436824.9	3761963	0.000248422	4.06E-05	1.88E-05
7637	436833.8	3761959	0.000248609	4.06E-05	1.88E-05
7638	436842.7	3761955	0.00024889	4.07E-05	1.89E-05

7639	436851.6	3761951	0.000249077	4.07E-05	1.89E-05
7640	436860.5	3761948	0.000249264	4.07E-05	1.89E-05
7641	436869.3	3761944	0.000249264	4.07E-05	1.89E-05
7642	436878.2	3761940	0.000249264	4.07E-05	1.89E-05
7643	436887.1	3761936	0.000249171	4.07E-05	1.89E-05
7644	436896	3761933	0.000249077	4.07E-05	1.89E-05
7645	436904.9	3761929	0.00024889	4.07E-05	1.89E-05
7646	436913.7	3761925	0.000248609	4.06E-05	1.88E-05
7647	436922.6	3761922	0.000248329	4.06E-05	1.88E-05
7648	436931.5	3761918	0.000247861	4.05E-05	1.88E-05
7649	436940.4	3761914	0.000247394	4.04E-05	1.87E-05
7650	436949.3	3761910	0.000246832	4.03E-05	1.87E-05
7651	436958.1	3761907	0.000246178	4.02E-05	1.87E-05
7652	436967	3761903	0.000245336	4.01E-05	1.86E-05
7653	436975.9	3761899	0.000244494	3.99E-05	1.85E-05
7654	436984.8	3761895	0.000243559	3.98E-05	1.85E-05
7655	436993.7	3761892	0.000242623	3.96E-05	1.84E-05
7656	437002.5	3761888	0.000241595	3.95E-05	1.83E-05
7657	437011.4	3761884	0.000240566	3.93E-05	1.82E-05
7658	436403.8	3762699	0.000331386	5.41E-05	2.51E-05
7659	436403.8	3762709	0.000331853	5.42E-05	2.51E-05
7660	436403.8	3762718	0.000332134	5.43E-05	2.52E-05
7661	436403.8	3762728	0.000332228	5.43E-05	2.52E-05
7662	436403.8	3762738	0.000332228	5.43E-05	2.52E-05
7663	436403.8	3762747	0.00033204	5.42E-05	2.52E-05
7664	436403.8	3762757	0.00033176	5.42E-05	2.51E-05
7665	436403.8	3762767	0.000331292	5.41E-05	2.51E-05
7666	436403.8	3762776	0.000330825	5.40E-05	2.51E-05
7667	436403.8	3762786	0.00033017	5.39E-05	2.50E-05
7668	436403.8	3762796	0.000329422	5.38E-05	2.50E-05
7669	436403.8	3762806	0.000328486	5.37E-05	2.49E-05
7670	436403.8	3762815	0.000327551	5.35E-05	2.48E-05
7671	436403.8	3762825	0.000326522	5.33E-05	2.47E-05
7672	436403.8	3762835	0.0003254	5.32E-05	2.47E-05
7673	436403.8	3762844	0.000324277	5.30E-05	2.46E-05
7674	436403.8	3762854	0.000323061	5.28E-05	2.45E-05
7675	436378.5	3762663	0.000315205	5.15E-05	2.39E-05
7676	436382.2	3762654	0.00031614	5.16E-05	2.40E-05
7677	436385.9	3762645	0.000316982	5.18E-05	2.40E-05
7678	436389.6	3762636	0.000317636	5.19E-05	2.41E-05
7679	436393.2	3762628	0.000318198	5.20E-05	2.41E-05
7680	436396.9	3762619	0.000318572	5.20E-05	2.41E-05
7681	436400.6	3762610	0.000318852	5.21E-05	2.42E-05
7682	436404.3	3762601	0.000319039	5.21E-05	2.42E-05
7683	436408	3762592	0.000318946	5.21E-05	2.42E-05
7684	436411.6	3762583	0.000318759	5.21E-05	2.42E-05
7685	436415.3	3762574	0.000318478	5.20E-05	2.41E-05
7686	436419	3762565	0.000317917	5.19E-05	2.41E-05
7687	436422.7	3762556	0.000317169	5.18E-05	2.40E-05
7688	436426.4	3762547	0.000316421	5.17E-05	2.40E-05
7689	436430	3762538	0.000315485	5.15E-05	2.39E-05
7690	436433.7	3762529	0.000314456	5.14E-05	2.38E-05

7691	436437.4	3762520	0.000313334	5.12E-05	2.37E-05
7692	436441.1	3762512	0.000312118	5.10E-05	2.37E-05
7693	436444.8	3762503	0.000310809	5.08E-05	2.36E-05
7694	436448.4	3762494	0.000309499	5.06E-05	2.35E-05
7695	436452.1	3762485	0.000308003	5.03E-05	2.33E-05
7696	436455.8	3762476	0.000306506	5.01E-05	2.32E-05
7697	436459.5	3762467	0.000304823	4.98E-05	2.31E-05
7698	436463.1	3762458	0.000303045	4.95E-05	2.30E-05
7699	436466.8	3762449	0.000301268	4.92E-05	2.28E-05
7700	436470.5	3762440	0.000299398	4.89E-05	2.27E-05
7701	436474.2	3762431	0.000297433	4.86E-05	2.25E-05
7702	436477.9	3762422	0.000295563	4.83E-05	2.24E-05
7703	436481.5	3762413	0.000293786	4.80E-05	2.23E-05
7704	436485.2	3762404	0.000292009	4.77E-05	2.21E-05
7705	436488.9	3762396	0.000290231	4.74E-05	2.20E-05
7706	436492.6	3762387	0.000288548	4.71E-05	2.19E-05
7707	436496.3	3762378	0.000286771	4.68E-05	2.17E-05
7708	436499.9	3762369	0.000285087	4.66E-05	2.16E-05
7709	436514.7	3762333	0.000278353	4.55E-05	2.11E-05
7710	436518.3	3762324	0.000276763	4.52E-05	2.10E-05
7711	436522	3762315	0.00027536	4.50E-05	2.09E-05
7712	436525.7	3762306	0.000273957	4.48E-05	2.08E-05
7713	436529.4	3762297	0.000272554	4.45E-05	2.07E-05
7714	436533.1	3762288	0.000271151	4.43E-05	2.05E-05
7715	436536.7	3762280	0.000269748	4.41E-05	2.04E-05
7716	436540.4	3762271	0.000268438	4.39E-05	2.03E-05
7717	436544.1	3762262	0.000267129	4.36E-05	2.02E-05
7718	436547.8	3762253	0.000265913	4.34E-05	2.01E-05
7719	436551.5	3762244	0.000264697	4.32E-05	2.01E-05
7720	436555.1	3762235	0.000263481	4.30E-05	2.00E-05
7721	436558.8	3762226	0.000262265	4.28E-05	1.99E-05
7722	436562.5	3762217	0.000260956	4.26E-05	1.98E-05
7723	436566.2	3762208	0.000259553	4.24E-05	1.97E-05
7724	436569.9	3762199	0.000257963	4.21E-05	1.95E-05
7725	436573.5	3762190	0.000256466	4.19E-05	1.94E-05
7726	436577.2	3762181	0.00025497	4.17E-05	1.93E-05
7727	436580.9	3762172	0.000253473	4.14E-05	1.92E-05
7728	436584.6	3762164	0.000251977	4.12E-05	1.91E-05
7729	436588.2	3762155	0.00025048	4.09E-05	1.90E-05
7730	436591.9	3762146	0.000249077	4.07E-05	1.89E-05
7731	436595.6	3762137	0.000247768	4.05E-05	1.88E-05
7732	436599.3	3762128	0.000246552	4.03E-05	1.87E-05
7733	436603	3762119	0.000245242	4.01E-05	1.86E-05
7734	436606.6	3762110	0.00024412	3.99E-05	1.85E-05
7735	436639.8	3762030	0.000230932	3.77E-05	1.75E-05
7736	436643.4	3762021	0.000229248	3.75E-05	1.74E-05
7737	436647.1	3762012	0.000227471	3.72E-05	1.72E-05
7738	436650.8	3762003	0.000225788	3.69E-05	1.71E-05
7739	436663.4	3761990	0.000224946	3.67E-05	1.70E-05
7740	436699	3761975	0.000227939	3.72E-05	1.73E-05
7741	436796.9	3761934	0.000232802	3.80E-05	1.76E-05
7742	436805.8	3761931	0.000233177	3.81E-05	1.77E-05

7743	436814.7	3761927	0.000233457	3.81E-05	1.77E-05
7744	436823.6	3761923	0.000233644	3.82E-05	1.77E-05
7745	436832.5	3761919	0.000233831	3.82E-05	1.77E-05
7746	436841.4	3761916	0.000233925	3.82E-05	1.77E-05
7747	436850.3	3761912	0.000233925	3.82E-05	1.77E-05
7748	436859.2	3761908	0.000233831	3.82E-05	1.77E-05
7749	436868.1	3761904	0.000233738	3.82E-05	1.77E-05
7750	436877	3761901	0.000233644	3.82E-05	1.77E-05
7751	436885.9	3761897	0.000233457	3.81E-05	1.77E-05
7752	436894.8	3761893	0.000233177	3.81E-05	1.77E-05
7753	436903.7	3761889	0.00023299	3.81E-05	1.77E-05
7754	436912.6	3761886	0.000232709	3.80E-05	1.76E-05
7755	436921.5	3761882	0.000232335	3.80E-05	1.76E-05
7756	436930.3	3761878	0.000231774	3.79E-05	1.76E-05
7757	436939.2	3761875	0.000231025	3.77E-05	1.75E-05
7758	436948.1	3761871	0.000230277	3.76E-05	1.74E-05
7759	436363.8	3762699	0.000309967	5.06E-05	2.35E-05
7760	436363.8	3762709	0.000310247	5.07E-05	2.35E-05
7761	437373.5	3762894	0.02321346	3.79E-03	1.76E-03
7762	437383.2	3762894	0.02533207	4.14E-03	1.92E-03
7763	437421.8	3762894	0.03984588	6.51E-03	3.02E-03
7764	437431.4	3762894	0.04480722	7.32E-03	3.40E-03
7765	437441.1	3762894	0.04981691	8.14E-03	3.77E-03
7766	437450.7	3762894	0.05466059	8.93E-03	4.14E-03
7767	437460.4	3762894	0.0592594	9.68E-03	4.49E-03
7768	437470	3762894	0.06268708	1.02E-02	4.75E-03
7769	437479.7	3762894	0.06570453	1.07E-02	4.98E-03
7770	437489.3	3762893	0.06830156	1.12E-02	5.18E-03
7771	437499	3762893	0.06969285	1.14E-02	5.28E-03
7772	437508.6	3762893	0.07069908	1.15E-02	5.36E-03
7773	437518.3	3762893	0.07134473	1.17E-02	5.41E-03
7774	437373.5	3762904	0.01833705	3.00E-03	1.39E-03
7775	437383.2	3762904	0.01969935	3.22E-03	1.49E-03
7776	437421.8	3762904	0.02870588	4.69E-03	2.18E-03
7777	437431.4	3762904	0.03202703	5.23E-03	2.43E-03
7778	437441.1	3762904	0.03546238	5.79E-03	2.69E-03
7779	437450.7	3762904	0.03893768	6.36E-03	2.95E-03
7780	437460.4	3762904	0.04232992	6.92E-03	3.21E-03
7781	437470	3762904	0.04508688	7.37E-03	3.42E-03
7782	437479.7	3762904	0.04761095	7.78E-03	3.61E-03
7783	437489.3	3762903	0.04987799	8.15E-03	3.78E-03
7784	437499	3762903	0.0513487	8.39E-03	3.89E-03
7785	437508.6	3762903	0.05255554	8.59E-03	3.98E-03
7786	437518.3	3762903	0.05352183	8.74E-03	4.06E-03
7787	437527.9	3762903	0.05494296	8.98E-03	4.16E-03
7788	437537.6	3762903	0.0562571	9.19E-03	4.26E-03
7789	437547.2	3762903	0.05727342	9.36E-03	4.34E-03
7790	437363.9	3762914	0.01407131	2.30E-03	1.07E-03
7791	437373.6	3762914	0.01501	2.45E-03	1.14E-03
7792	437383.2	3762914	0.01596413	2.61E-03	1.21E-03
7793	437421.8	3762914	0.021972	3.59E-03	1.66E-03
7794	437431.5	3762914	0.02421538	3.96E-03	1.83E-03

7795	437441.1	3762914	0.02653199	4.33E-03	2.01E-03
7796	437450.8	3762914	0.02892802	4.73E-03	2.19E-03
7797	437460.4	3762914	0.03134864	5.12E-03	2.38E-03
7798	437470.1	3762914	0.03350728	5.47E-03	2.54E-03
7799	437479.7	3762914	0.03555629	5.81E-03	2.69E-03
7800	437489.4	3762913	0.03746707	6.12E-03	2.84E-03
7801	437499	3762913	0.03884012	6.35E-03	2.94E-03
7802	437508.7	3762913	0.04004987	6.54E-03	3.03E-03
7803	437518.3	3762913	0.04110202	6.71E-03	3.11E-03
7804	437528	3762913	0.04242017	6.93E-03	3.21E-03
7805	437537.6	3762913	0.04364479	7.13E-03	3.31E-03
7806	437547.3	3762913	0.0446557	7.30E-03	3.38E-03
7807	437363.9	3762924	0.01185908	1.94E-03	8.99E-04
7808	437373.6	3762924	0.01253757	2.05E-03	9.50E-04
7809	437383.2	3762924	0.01324215	2.16E-03	1.00E-03
7810	437421.8	3762924	0.01746701	2.85E-03	1.32E-03
7811	437431.5	3762924	0.01901741	3.11E-03	1.44E-03
7812	437441.1	3762924	0.02058351	3.36E-03	1.56E-03
7813	437450.8	3762924	0.02223792	3.63E-03	1.69E-03
7814	437460.4	3762924	0.02395471	3.91E-03	1.82E-03
7815	437470.1	3762924	0.02561631	4.18E-03	1.94E-03
7816	437479.7	3762924	0.02724798	4.45E-03	2.06E-03
7817	437489.4	3762923	0.02882092	4.71E-03	2.18E-03
7818	437373.6	3762934	0.01063596	1.74E-03	8.06E-04
7819	437383.3	3762934	0.01117526	1.83E-03	8.47E-04
7820	437421.9	3762934	0.01420338	2.32E-03	1.08E-03
7821	437431.5	3762934	0.0152762	2.50E-03	1.16E-03
7822	437441.2	3762934	0.01637577	2.68E-03	1.24E-03
7823	437450.8	3762934	0.01755839	2.87E-03	1.33E-03
7824	437460.5	3762934	0.01881472	3.07E-03	1.43E-03
7825	437470.1	3762934	0.02005552	3.28E-03	1.52E-03
7826	437355.9	3762940	0.008802718	1.44E-03	6.67E-04
7827	437323.5	3762927	0.008673644	1.42E-03	6.57E-04
7828	437303.9	3762912	0.008963501	1.46E-03	6.79E-04
7829	437373.6	3762944	0.009138407	1.49E-03	6.92E-04
7830	437383.3	3762944	0.009565757	1.56E-03	7.25E-04
7831	437421.9	3762944	0.01171467	1.91E-03	8.88E-04
7832	437431.5	3762944	0.0124243	2.03E-03	9.41E-04
7833	437441.2	3762944	0.01324879	2.16E-03	1.00E-03
7834	437450.8	3762944	0.01415371	2.31E-03	1.07E-03
7835	437460.5	3762944	0.01513178	2.47E-03	1.15E-03
7836	437470.1	3762944	0.01602558	2.62E-03	1.21E-03
7837	437518.4	3762943	0.02060662	3.37E-03	1.56E-03
7838	437356	3762950	0.007687531	1.26E-03	5.83E-04
7839	437340.1	3762944	0.00773252	1.26E-03	5.86E-04
7840	437324.1	3762937	0.007681638	1.25E-03	5.82E-04
7841	437308.2	3762931	0.007523849	1.23E-03	5.70E-04
7842	437296.9	3762919	0.007868797	1.29E-03	5.96E-04
7843	437373.6	3762954	0.007933802	1.30E-03	6.01E-04
7844	437383.3	3762954	0.008282491	1.35E-03	6.28E-04
7845	437421.9	3762954	0.009841117	1.61E-03	7.46E-04
7846	437431.5	3762954	0.01032047	1.69E-03	7.82E-04

7847	437441.2	3762954	0.01095397	1.79E-03	8.30E-04
7848	437450.8	3762954	0.01165733	1.90E-03	8.83E-04
7849	437460.5	3762954	0.01242907	2.03E-03	9.42E-04
7850	437470.1	3762954	0.01306995	2.14E-03	9.90E-04
7851	437499.1	3762953	0.01523654	2.49E-03	1.15E-03
7852	437508.7	3762953	0.01603624	2.62E-03	1.22E-03
7853	437518.4	3762953	0.01683333	2.75E-03	1.28E-03
7854	437528.1	3762953	0.0176421	2.88E-03	1.34E-03
7855	437537.7	3762953	0.01843086	3.01E-03	1.40E-03
7856	437547.4	3762953	0.0191867	3.13E-03	1.45E-03
7857	437355.2	3762960	0.006768574	1.11E-03	5.13E-04
7858	437346.3	3762956	0.006809728	1.11E-03	5.16E-04
7859	437337.4	3762953	0.006835637	1.12E-03	5.18E-04
7860	437328.6	3762949	0.006835823	1.12E-03	5.18E-04
7861	437319.7	3762945	0.006811786	1.11E-03	5.16E-04
7862	437310.9	3762942	0.006761185	1.10E-03	5.12E-04
7863	437302	3762938	0.006681308	1.09E-03	5.06E-04
7864	437289.5	3762926	0.007016154	1.15E-03	5.32E-04
7865	437285.8	3762917	0.007436677	1.21E-03	5.64E-04
7866	437364	3762964	0.006712922	1.10E-03	5.09E-04
7867	437373.7	3762964	0.006964057	1.14E-03	5.28E-04
7868	437383.3	3762964	0.00724241	1.18E-03	5.49E-04
7869	437393	3762964	0.007533951	1.23E-03	5.71E-04
7870	437421.9	3762964	0.008398752	1.37E-03	6.36E-04
7871	437431.6	3762964	0.008741362	1.43E-03	6.62E-04
7872	437441.2	3762964	0.009223241	1.51E-03	6.99E-04
7873	437450.9	3762964	0.009761428	1.59E-03	7.40E-04
7874	437460.5	3762964	0.0103547	1.69E-03	7.85E-04
7875	437470.2	3762964	0.01083668	1.77E-03	8.21E-04
7876	437499.1	3762963	0.01255945	2.05E-03	9.52E-04
7877	437508.8	3762963	0.0132385	2.16E-03	1.00E-03
7878	437518.4	3762963	0.01392783	2.28E-03	1.06E-03
7879	437528.1	3762963	0.01460912	2.39E-03	1.11E-03
7880	437537.7	3762963	0.01527957	2.50E-03	1.16E-03
7881	437547.4	3762963	0.01593775	2.60E-03	1.21E-03
7882	437355.6	3762980	0.005341268	8.73E-04	4.05E-04
7883	437347.1	3762977	0.005387379	8.80E-04	4.08E-04
7884	437338.5	3762973	0.005425259	8.86E-04	4.11E-04
7885	437330	3762970	0.005450794	8.90E-04	4.13E-04
7886	437321.5	3762966	0.00546445	8.93E-04	4.14E-04
7887	437313	3762963	0.005463795	8.93E-04	4.14E-04
7888	437304.5	3762959	0.005447053	8.90E-04	4.13E-04
7889	437296	3762956	0.005413755	8.84E-04	4.10E-04
7890	437287.5	3762952	0.005362873	8.76E-04	4.06E-04
7891	437275.5	3762940	0.005608397	9.16E-04	4.25E-04
7892	437272	3762932	0.005921824	9.67E-04	4.49E-04
7893	437364.1	3762984	0.005288235	8.64E-04	4.01E-04
7894	437373.7	3762984	0.005466976	8.93E-04	4.14E-04
7895	437383.4	3762984	0.005653105	9.24E-04	4.28E-04
7896	437393	3762984	0.005836055	9.53E-04	4.42E-04
7897	437422	3762984	0.006353009	1.04E-03	4.81E-04
7898	437431.6	3762984	0.006556536	1.07E-03	4.97E-04

7899	437441.3	3762984	0.006824038	1.11E-03	5.17E-04
7900	437450.9	3762984	0.007117918	1.16E-03	5.39E-04
7901	437460.6	3762984	0.007439669	1.22E-03	5.64E-04
7902	437470.2	3762984	0.007769839	1.27E-03	5.89E-04
7903	437499.2	3762983	0.00894704	1.46E-03	6.78E-04
7904	437508.8	3762983	0.009400299	1.54E-03	7.12E-04
7905	437518.5	3762983	0.009873666	1.61E-03	7.48E-04
7906	437528.1	3762983	0.01031533	1.69E-03	7.82E-04
7907	437537.8	3762983	0.01075699	1.76E-03	8.15E-04
7908	437547.4	3762983	0.01120136	1.83E-03	8.49E-04
7909	437355.8	3763000	0.004304741	7.03E-04	3.26E-04
7910	437339.3	3762994	0.004384991	7.16E-04	3.32E-04
7911	437322.8	3762987	0.004442607	7.26E-04	3.37E-04
7912	437306.2	3762980	0.004469638	7.30E-04	3.39E-04
7913	437289.7	3762973	0.00445776	7.28E-04	3.38E-04
7914	437273.2	3762966	0.004402576	7.19E-04	3.34E-04
7915	437261.5	3762955	0.004589921	7.50E-04	3.48E-04
7916	437373.7	3763004	0.004381063	7.16E-04	3.32E-04
7917	437383.4	3763004	0.004506958	7.36E-04	3.42E-04
7918	437393	3763004	0.004635659	7.57E-04	3.51E-04
7919	437422	3763004	0.005003148	8.17E-04	3.79E-04
7920	437431.6	3763004	0.005147468	8.41E-04	3.90E-04
7921	437441.3	3763004	0.005319288	8.69E-04	4.03E-04
7922	437450.9	3763004	0.005506072	9.00E-04	4.17E-04
7923	437460.6	3763004	0.005709318	9.33E-04	4.33E-04
7924	437470.3	3763004	0.005914996	9.66E-04	4.48E-04
7925	437499.2	3763003	0.006666156	1.09E-03	5.05E-04
7926	437508.9	3763003	0.006970792	1.14E-03	5.28E-04
7927	437518.5	3763003	0.007294414	1.19E-03	5.53E-04
7928	437528.2	3763003	0.007611209	1.24E-03	5.77E-04
7929	437537.8	3763003	0.007936234	1.30E-03	6.01E-04
7930	437547.5	3763003	0.008271174	1.35E-03	6.27E-04
7931	437355.4	3763020	0.003532723	5.77E-04	2.68E-04
7932	437346.7	3763017	0.00357182	5.84E-04	2.71E-04
7933	437338	3763013	0.003608204	5.89E-04	2.73E-04
7934	437329.3	3763009	0.003639818	5.95E-04	2.76E-04
7935	437320.5	3763006	0.003668626	5.99E-04	2.78E-04
7936	437311.8	3763002	0.003692383	6.03E-04	2.80E-04
7937	437303.1	3762999	0.003709499	6.06E-04	2.81E-04
7938	437294.4	3762995	0.003720256	6.08E-04	2.82E-04
7939	437285.7	3762991	0.003723249	6.08E-04	2.82E-04
7940	437276.9	3762988	0.003717637	6.07E-04	2.82E-04
7941	437268.2	3762984	0.003702765	6.05E-04	2.81E-04
7942	437259.5	3762981	0.003679569	6.01E-04	2.79E-04
7943	437218.3	3762899	0.005219208	8.53E-04	3.95E-04
7944	437364.1	3763024	0.003491382	5.70E-04	2.65E-04
7945	437373.8	3763024	0.00357846	5.85E-04	2.71E-04
7946	437383.4	3763024	0.003668065	5.99E-04	2.78E-04
7947	437393.1	3763024	0.003761784	6.15E-04	2.85E-04
7948	437422	3763024	0.004057254	6.63E-04	3.07E-04
7949	437431.7	3763024	0.004170334	6.81E-04	3.16E-04
7950	437441.3	3763024	0.004288559	7.01E-04	3.25E-04

7951	437451	3763024	0.004416979	7.22E-04	3.35E-04
7952	437355.7	3763040	0.002940569	4.80E-04	2.23E-04
7953	437347.2	3763037	0.002973305	4.86E-04	2.25E-04
7954	437338.7	3763033	0.003005106	4.91E-04	2.28E-04
7955	437330.2	3763030	0.003034382	4.96E-04	2.30E-04
7956	437321.7	3763026	0.0030616	5.00E-04	2.32E-04
7957	437313.2	3763023	0.003086479	5.04E-04	2.34E-04
7958	437304.7	3763019	0.00309602	5.06E-04	2.35E-04
7959	437296.2	3763016	0.003119122	5.10E-04	2.36E-04
7960	437287.7	3763012	0.003137735	5.13E-04	2.38E-04
7961	437279.2	3763009	0.003145405	5.14E-04	2.38E-04
7962	437270.7	3763005	0.003147276	5.14E-04	2.38E-04
7963	437262.2	3763002	0.003143534	5.14E-04	2.38E-04
7964	437219	3762949	0.003844093	6.28E-04	2.91E-04
7965	437215.5	3762940	0.003983924	6.51E-04	3.02E-04
7966	437212	3762932	0.004117208	6.73E-04	3.12E-04
7967	437208.5	3762923	0.004241606	6.93E-04	3.21E-04
7968	437204.9	3762915	0.004355716	7.12E-04	3.30E-04
7969	437201.4	3762906	0.004456544	7.28E-04	3.38E-04
7970	437197.9	3762898	0.004544464	7.42E-04	3.44E-04
7971	437364.2	3763044	0.00290671	4.75E-04	2.20E-04
7972	437373.8	3763044	0.002971528	4.85E-04	2.25E-04
7973	437383.5	3763044	0.00303803	4.96E-04	2.30E-04
7974	437393.1	3763044	0.00310687	5.08E-04	2.35E-04
7975	437460.7	3763044	0.003679662	6.01E-04	2.79E-04
7976	437470.3	3763044	0.003764964	6.15E-04	2.85E-04
7977	437480	3763044	0.003858123	6.30E-04	2.92E-04
7978	437489.6	3763043	0.003960915	6.47E-04	3.00E-04
7979	437499.3	3763043	0.00411384	6.72E-04	3.12E-04
7980	437508.9	3763043	0.004281919	7.00E-04	3.24E-04
7981	437518.6	3763043	0.004464027	7.29E-04	3.38E-04
7982	437528.2	3763043	0.00461929	7.55E-04	3.50E-04
7983	437537.9	3763043	0.004775957	7.80E-04	3.62E-04
7984	437547.5	3763043	0.0049431	8.08E-04	3.75E-04
7985	437355.4	3763060	0.002481792	4.05E-04	1.88E-04
7986	437346.5	3763056	0.002511254	4.10E-04	1.90E-04
7987	437337.7	3763053	0.002540062	4.15E-04	1.92E-04
7988	437328.8	3763049	0.002568309	4.20E-04	1.95E-04
7989	437319.9	3763045	0.002594966	4.24E-04	1.97E-04
7990	437311.1	3763042	0.002619004	4.28E-04	1.98E-04
7991	437302.2	3763038	0.002639301	4.31E-04	2.00E-04
7992	437293.4	3763035	0.002657072	4.34E-04	2.01E-04
7993	437284.5	3763031	0.002672692	4.37E-04	2.03E-04
7994	437275.7	3763027	0.002684477	4.39E-04	2.03E-04
7995	437266.8	3763024	0.002692053	4.40E-04	2.04E-04
7996	437258	3763020	0.002695046	4.40E-04	2.04E-04
7997	437218.9	3762996	0.002789233	4.56E-04	2.11E-04
7998	437215.2	3762988	0.002916344	4.76E-04	2.21E-04
7999	437211.5	3762979	0.003043361	4.97E-04	2.31E-04
8000	437207.8	3762970	0.003169349	5.18E-04	2.40E-04
8001	437204.2	3762961	0.003293186	5.38E-04	2.50E-04
8002	437200.5	3762952	0.003413001	5.58E-04	2.59E-04

8003	437196.8	3762943	0.003527298	5.76E-04	2.67E-04
8004	437193.2	3762935	0.003634673	5.94E-04	2.75E-04
8005	437189.5	3762926	0.003733444	6.10E-04	2.83E-04
8006	437185.8	3762917	0.003824264	6.25E-04	2.90E-04
8007	437182.2	3762908	0.003904702	6.38E-04	2.96E-04
8008	437364.2	3763064	0.002451581	4.01E-04	1.86E-04
8009	437373.9	3763064	0.002500966	4.09E-04	1.90E-04
8010	437383.5	3763064	0.002551848	4.17E-04	1.93E-04
8011	437393.2	3763064	0.002605348	4.26E-04	1.97E-04
8012	437402.8	3763064	0.002660906	4.35E-04	2.02E-04
8013	437441.4	3763064	0.002906336	4.75E-04	2.20E-04
8014	437451.1	3763064	0.002976111	4.86E-04	2.26E-04
8015	437460.7	3763064	0.003034569	4.96E-04	2.30E-04
8016	437470.4	3763064	0.003095832	5.06E-04	2.35E-04
8017	437480	3763064	0.003163457	5.17E-04	2.40E-04
8018	437489.7	3763063	0.00323716	5.29E-04	2.45E-04
8019	437499.3	3763063	0.003344162	5.46E-04	2.53E-04
8020	437509	3763063	0.003461171	5.65E-04	2.62E-04
8021	437518.6	3763063	0.003587533	5.86E-04	2.72E-04
8022	437528.3	3763063	0.003701643	6.05E-04	2.80E-04
8023	437537.9	3763063	0.003820149	6.24E-04	2.89E-04
8024	437547.6	3763063	0.003946417	6.45E-04	2.99E-04
8025	437355.6	3763080	0.00211767	3.46E-04	1.60E-04
8026	437346.9	3763077	0.002143204	3.50E-04	1.62E-04
8027	437338.3	3763073	0.00216799	3.54E-04	1.64E-04
8028	437329.6	3763069	0.002191747	3.58E-04	1.66E-04
8029	437321	3763066	0.002214944	3.62E-04	1.68E-04
8030	437312.3	3763062	0.002237391	3.66E-04	1.70E-04
8031	437303.6	3763059	0.002257407	3.69E-04	1.71E-04
8032	437295	3763055	0.002275365	3.72E-04	1.72E-04
8033	437286.3	3763052	0.002290892	3.74E-04	1.74E-04
8034	437277.7	3763048	0.002304267	3.76E-04	1.75E-04
8035	437269	3763044	0.002316052	3.78E-04	1.76E-04
8036	437260.4	3763041	0.002325218	3.80E-04	1.76E-04
8037	437217.1	3763023	0.002322225	3.79E-04	1.76E-04
8038	437204.8	3763011	0.002411455	3.94E-04	1.83E-04
8039	437201.2	3763002	0.002514154	4.11E-04	1.91E-04
8040	437197.6	3762994	0.002617414	4.28E-04	1.98E-04
8041	437194	3762985	0.002719645	4.44E-04	2.06E-04
8042	437190.5	3762976	0.002820286	4.61E-04	2.14E-04
8043	437186.9	3762968	0.002918588	4.77E-04	2.21E-04
8044	437183.3	3762959	0.003013618	4.92E-04	2.28E-04
8045	437364.3	3763084	0.002093445	3.42E-04	1.59E-04
8046	437373.9	3763084	0.00213039	3.48E-04	1.61E-04
8047	437383.6	3763084	0.002171544	3.55E-04	1.65E-04
8048	437393.2	3763084	0.002212699	3.61E-04	1.68E-04
8049	437480.1	3763084	0.002640516	4.31E-04	2.00E-04
8050	437489.7	3763083	0.002694952	4.40E-04	2.04E-04
8051	437499.4	3763083	0.002768937	4.52E-04	2.10E-04
8052	437509	3763083	0.002848439	4.65E-04	2.16E-04
8053	437518.7	3763083	0.002934115	4.79E-04	2.22E-04
8054	437528.3	3763083	0.003022503	4.94E-04	2.29E-04

8055	437538	3763083	0.003117064	5.09E-04	2.36E-04
8056	437547.6	3763083	0.003217332	5.26E-04	2.44E-04
8057	437355.8	3763100	0.001827158	2.98E-04	1.38E-04
8058	437347.3	3763097	0.001847454	3.02E-04	1.40E-04
8059	437338.8	3763093	0.001868031	3.05E-04	1.42E-04
8060	437330.3	3763090	0.001887954	3.08E-04	1.43E-04
8061	437321.8	3763086	0.00190797	3.12E-04	1.45E-04
8062	437313.3	3763083	0.001927705	3.15E-04	1.46E-04
8063	437304.8	3763079	0.001946318	3.18E-04	1.47E-04
8064	437296.3	3763076	0.001963622	3.21E-04	1.49E-04
8065	437287.8	3763072	0.001979522	3.23E-04	1.50E-04
8066	437279.3	3763069	0.00199402	3.26E-04	1.51E-04
8067	437270.8	3763065	0.00200674	3.28E-04	1.52E-04
8068	437262.3	3763062	0.002017496	3.30E-04	1.53E-04
8069	437253.8	3763058	0.002026475	3.31E-04	1.54E-04
8070	437245.3	3763055	0.00203321	3.32E-04	1.54E-04
8071	437219.8	3763044	0.002039757	3.33E-04	1.55E-04
8072	437211.3	3763041	0.002036764	3.33E-04	1.54E-04
8073	437202.8	3763037	0.002030684	3.32E-04	1.54E-04
8074	437190.8	3763025	0.002104014	3.44E-04	1.59E-04
8075	437187.2	3763017	0.002187819	3.57E-04	1.66E-04
8076	437183.7	3763008	0.002272653	3.71E-04	1.72E-04
8077	437180.2	3763000	0.002357206	3.85E-04	1.79E-04
8078	437144.9	3762915	0.003047102	4.98E-04	2.31E-04
8079	437141.4	3762906	0.00307114	5.02E-04	2.33E-04
8080	437364.3	3763104	0.001807235	2.95E-04	1.37E-04
8081	437374	3763104	0.001836979	3.00E-04	1.39E-04
8082	437383.6	3763104	0.001868686	3.05E-04	1.42E-04
8083	437422.2	3763104	0.002008704	3.28E-04	1.52E-04
8084	437431.9	3763104	0.002047988	3.35E-04	1.55E-04
8085	437441.5	3763104	0.002086991	3.41E-04	1.58E-04
8086	437451.2	3763104	0.002129455	3.48E-04	1.61E-04
8087	437499.4	3763103	0.002342054	3.83E-04	1.77E-04
8088	437509.1	3763103	0.002410988	3.94E-04	1.83E-04
8089	437518.7	3763103	0.002485159	4.06E-04	1.88E-04
8090	437528.4	3763103	0.002545487	4.16E-04	1.93E-04
8091	437538	3763103	0.002607593	4.26E-04	1.98E-04
8092	437547.7	3763103	0.002674188	4.37E-04	2.03E-04
8093	437355.6	3763120	0.001591923	2.60E-04	1.21E-04
8094	437346.8	3763117	0.001608853	2.63E-04	1.22E-04
8095	437338	3763113	0.001626156	2.66E-04	1.23E-04
8096	437329.3	3763109	0.001643366	2.68E-04	1.25E-04
8097	437320.5	3763106	0.001660763	2.71E-04	1.26E-04
8098	437311.7	3763102	0.001678067	2.74E-04	1.27E-04
8099	437302.9	3763098	0.00169509	2.77E-04	1.28E-04
8100	437294.2	3763095	0.001711551	2.80E-04	1.30E-04
8101	437285.4	3763091	0.001727358	2.82E-04	1.31E-04
8102	437276.6	3763088	0.00174195	2.85E-04	1.32E-04
8103	437267.9	3763084	0.001755138	2.87E-04	1.33E-04
8104	437259.1	3763080	0.001766829	2.89E-04	1.34E-04
8105	437250.3	3763077	0.001776463	2.90E-04	1.35E-04
8106	437241.5	3763073	0.001784975	2.92E-04	1.35E-04

8107	437232.8	3763069	0.001791522	2.93E-04	1.36E-04
8108	437224	3763066	0.001796105	2.93E-04	1.36E-04
8109	437215.2	3763062	0.00179835	2.94E-04	1.36E-04
8110	437206.5	3763059	0.001798443	2.94E-04	1.36E-04
8111	437197.7	3763055	0.001796292	2.93E-04	1.36E-04
8112	437188.9	3763051	0.001791709	2.93E-04	1.36E-04
8113	437143.8	3762960	0.002485907	4.06E-04	1.88E-04
8114	437140.2	3762951	0.002544272	4.16E-04	1.93E-04
8115	437136.5	3762943	0.002598427	4.24E-04	1.97E-04
8116	437132.9	3762934	0.002647438	4.32E-04	2.01E-04
8117	437129.3	3762925	0.002690276	4.39E-04	2.04E-04
8118	437125.6	3762916	0.002727969	4.46E-04	2.07E-04
8119	437122	3762908	0.002751633	4.50E-04	2.09E-04
8120	437118.3	3762899	0.00276903	4.52E-04	2.10E-04
8121	437364.3	3763124	0.001575368	2.57E-04	1.19E-04
8122	437374	3763124	0.001599687	2.61E-04	1.21E-04
8123	437383.6	3763124	0.00162466	2.65E-04	1.23E-04
8124	437422.2	3763124	0.001737273	2.84E-04	1.32E-04
8125	437431.9	3763124	0.001768793	2.89E-04	1.34E-04
8126	437441.5	3763124	0.001800688	2.94E-04	1.36E-04
8127	437451.2	3763124	0.00183464	3.00E-04	1.39E-04
8128	437460.8	3763124	0.001870276	3.06E-04	1.42E-04
8129	437470.5	3763124	0.001902545	3.11E-04	1.44E-04
8130	437499.5	3763123	0.002007769	3.28E-04	1.52E-04
8131	437509.1	3763123	0.002054816	3.36E-04	1.56E-04
8132	437518.8	3763123	0.002105136	3.44E-04	1.60E-04
8133	437528.4	3763123	0.002152464	3.52E-04	1.63E-04
8134	437538.1	3763123	0.002201942	3.60E-04	1.67E-04
8135	437547.7	3763123	0.002254788	3.68E-04	1.71E-04
8136	437355.8	3763140	0.00139775	2.28E-04	1.06E-04
8137	437347.1	3763137	0.001411312	2.31E-04	1.07E-04
8138	437338.5	3763133	0.001425342	2.33E-04	1.08E-04
8139	437329.9	3763130	0.001439652	2.35E-04	1.09E-04
8140	437321.3	3763126	0.001454056	2.38E-04	1.10E-04
8141	437312.6	3763122	0.001468554	2.40E-04	1.11E-04
8142	437304	3763119	0.001482958	2.42E-04	1.12E-04
8143	437295.4	3763115	0.001497081	2.45E-04	1.13E-04
8144	437286.8	3763112	0.001511205	2.47E-04	1.15E-04
8145	437278.1	3763108	0.001524767	2.49E-04	1.16E-04
8146	437269.5	3763105	0.001537674	2.51E-04	1.17E-04
8147	437260.9	3763101	0.001549647	2.53E-04	1.17E-04
8148	437252.3	3763098	0.001560497	2.55E-04	1.18E-04
8149	437243.6	3763094	0.001570037	2.56E-04	1.19E-04
8150	437235	3763090	0.001578455	2.58E-04	1.20E-04
8151	437226.4	3763087	0.001585563	2.59E-04	1.20E-04
8152	437217.8	3763083	0.001591175	2.60E-04	1.21E-04
8153	437209.1	3763080	0.001595384	2.61E-04	1.21E-04
8154	437200.5	3763076	0.001597535	2.61E-04	1.21E-04
8155	437191.9	3763073	0.001597909	2.61E-04	1.21E-04
8156	437183.3	3763069	0.001596226	2.61E-04	1.21E-04
8157	437144.6	3763010	0.001951743	3.19E-04	1.48E-04
8158	437141	3763002	0.002011323	3.29E-04	1.52E-04

8159	437137.4	3762993	0.002069594	3.38E-04	1.57E-04
8160	437133.8	3762984	0.002125994	3.47E-04	1.61E-04
8161	437130.3	3762976	0.002180336	3.56E-04	1.65E-04
8162	437126.7	3762967	0.00223206	3.65E-04	1.69E-04
8163	437123.1	3762959	0.002280884	3.73E-04	1.73E-04
8164	437119.6	3762950	0.002326247	3.80E-04	1.76E-04
8165	437116	3762941	0.002367495	3.87E-04	1.79E-04
8166	437112.4	3762933	0.002404627	3.93E-04	1.82E-04
8167	437108.8	3762924	0.002436522	3.98E-04	1.85E-04
8168	437105.3	3762915	0.002463459	4.02E-04	1.87E-04
8169	437101.7	3762907	0.002485439	4.06E-04	1.88E-04
8170	437098.1	3762898	0.002501901	4.09E-04	1.90E-04
8171	437364.4	3763144	0.001384375	2.26E-04	1.05E-04
8172	437374	3763144	0.001404671	2.29E-04	1.06E-04
8173	437383.7	3763144	0.001425248	2.33E-04	1.08E-04
8174	437422.3	3763144	0.001517378	2.48E-04	1.15E-04
8175	437431.9	3763144	0.001543006	2.52E-04	1.17E-04
8176	437441.6	3763144	0.001569663	2.56E-04	1.19E-04
8177	437451.2	3763144	0.001597442	2.61E-04	1.21E-04
8178	437460.9	3763144	0.001626437	2.66E-04	1.23E-04
8179	437470.5	3763144	0.001655712	2.70E-04	1.25E-04
8180	437509.1	3763143	0.001769074	2.89E-04	1.34E-04
8181	437518.8	3763143	0.001798443	2.94E-04	1.36E-04
8182	437528.4	3763143	0.001837072	3.00E-04	1.39E-04
8183	437538.1	3763143	0.001878881	3.07E-04	1.42E-04
8184	437547.7	3763143	0.00192359	3.14E-04	1.46E-04
8185	437355.6	3763160	0.0012365	2.02E-04	9.37E-05
8186	437346.7	3763156	0.001248191	2.04E-04	9.46E-05
8187	437337.9	3763153	0.001260351	2.06E-04	9.55E-05
8188	437329	3763149	0.00127279	2.08E-04	9.64E-05
8189	437320.1	3763145	0.001285417	2.10E-04	9.74E-05
8190	437311.3	3763142	0.001298231	2.12E-04	9.84E-05
8191	437302.4	3763138	0.001310765	2.14E-04	9.93E-05
8192	437293.6	3763135	0.001323391	2.16E-04	1.00E-04
8193	437284.7	3763131	0.001335831	2.18E-04	1.01E-04
8194	437275.9	3763127	0.001348178	2.20E-04	1.02E-04
8195	437267	3763124	0.00136015	2.22E-04	1.03E-04
8196	437258.2	3763120	0.001371654	2.24E-04	1.04E-04
8197	437249.3	3763116	0.001382691	2.26E-04	1.05E-04
8198	437240.4	3763113	0.001392419	2.27E-04	1.06E-04
8199	437231.6	3763109	0.001401117	2.29E-04	1.06E-04
8200	437222.7	3763105	0.001408506	2.30E-04	1.07E-04
8201	437213.9	3763102	0.001415427	2.31E-04	1.07E-04
8202	437205	3763098	0.001421133	2.32E-04	1.08E-04
8203	437196.2	3763094	0.001425342	2.33E-04	1.08E-04
8204	437187.3	3763091	0.001427774	2.33E-04	1.08E-04
8205	437144.6	3763058	0.001526918	2.49E-04	1.16E-04
8206	437140.9	3763050	0.001580606	2.58E-04	1.20E-04
8207	437137.2	3763041	0.001634668	2.67E-04	1.24E-04
8208	437133.5	3763032	0.00168873	2.76E-04	1.28E-04
8209	437129.9	3763023	0.001742417	2.85E-04	1.32E-04
8210	437126.2	3763014	0.001795357	2.93E-04	1.36E-04

8211	437122.5	3763005	0.001847361	3.02E-04	1.40E-04
8212	437118.9	3762996	0.001897868	3.10E-04	1.44E-04
8213	437115.2	3762988	0.001946599	3.18E-04	1.48E-04
8214	437111.5	3762979	0.001993178	3.26E-04	1.51E-04
8215	437107.8	3762970	0.002037138	3.33E-04	1.54E-04
8216	437104.2	3762961	0.002078199	3.40E-04	1.57E-04
8217	437100.5	3762952	0.002115986	3.46E-04	1.60E-04
8218	437096.8	3762943	0.002149845	3.51E-04	1.63E-04
8219	437093.2	3762935	0.002179588	3.56E-04	1.65E-04
8220	437089.5	3762926	0.002204936	3.60E-04	1.67E-04
8221	437085.8	3762917	0.002226354	3.64E-04	1.69E-04
8222	437082.2	3762908	0.002243658	3.67E-04	1.70E-04
8223	437078.5	3762899	0.002256846	3.69E-04	1.71E-04
8224	437364.4	3763164	0.001225089	2.00E-04	9.28E-05
8225	437374.1	3763164	0.001241925	2.03E-04	9.41E-05
8226	437383.7	3763164	0.001258667	2.06E-04	9.54E-05
8227	437422.3	3763164	0.001335738	2.18E-04	1.01E-04
8228	437432	3763164	0.001357531	2.22E-04	1.03E-04
8229	437441.6	3763164	0.001380072	2.25E-04	1.05E-04
8230	437451.3	3763164	0.001403455	2.29E-04	1.06E-04
8231	437460.9	3763164	0.001427587	2.33E-04	1.08E-04
8232	437470.6	3763164	0.001451625	2.37E-04	1.10E-04
8233	437509.2	3763163	0.001546279	2.53E-04	1.17E-04
8234	437518.8	3763163	0.00156508	2.56E-04	1.19E-04
8235	437528.5	3763163	0.001591269	2.60E-04	1.21E-04
8236	437538.1	3763163	0.001620077	2.65E-04	1.23E-04
8237	437547.8	3763163	0.001650662	2.70E-04	1.25E-04
8238	437355.8	3763190	0.00104083	1.70E-04	7.89E-05
8239	437347.2	3763187	0.001049996	1.72E-04	7.96E-05
8240	437338.5	3763183	0.001059256	1.73E-04	8.03E-05
8241	437329.9	3763179	0.001068796	1.75E-04	8.10E-05
8242	437321.2	3763176	0.001078523	1.76E-04	8.17E-05
8243	437312.5	3763172	0.001088531	1.78E-04	8.25E-05
8244	437303.9	3763169	0.001098446	1.79E-04	8.32E-05
8245	437295.2	3763165	0.00110836	1.81E-04	8.40E-05
8246	437286.6	3763162	0.001118275	1.83E-04	8.47E-05
8247	437277.9	3763158	0.001128189	1.84E-04	8.55E-05
8248	437269.2	3763154	0.001138104	1.86E-04	8.62E-05
8249	437260.6	3763151	0.001148018	1.88E-04	8.70E-05
8250	437251.9	3763147	0.00115494	1.89E-04	8.75E-05
8251	437243.3	3763144	0.001160458	1.90E-04	8.79E-05
8252	437234.6	3763140	0.001165509	1.90E-04	8.83E-05
8253	437225.9	3763137	0.001172898	1.92E-04	8.89E-05
8254	437217.3	3763133	0.001181316	1.93E-04	8.95E-05
8255	437208.6	3763129	0.001192633	1.95E-04	9.04E-05
8256	437200	3763126	0.001204138	1.97E-04	9.12E-05
8257	437191.3	3763122	0.001209375	1.98E-04	9.16E-05
8258	437182.7	3763119	0.001214146	1.98E-04	9.20E-05
8259	437139.4	3763101	0.001220412	1.99E-04	9.25E-05
8260	437127.1	3763089	0.001259602	2.06E-04	9.54E-05
8261	437123.5	3763080	0.001301411	2.13E-04	9.86E-05
8262	437119.9	3763071	0.001343407	2.19E-04	1.02E-04

8263	437116.3	3763063	0.001385871	2.26E-04	1.05E-04
8264	437112.8	3763054	0.001428522	2.33E-04	1.08E-04
8265	437109.2	3763045	0.001471173	2.40E-04	1.11E-04
8266	437105.6	3763037	0.00151345	2.47E-04	1.15E-04
8267	437102	3763028	0.001555165	2.54E-04	1.18E-04
8268	437098.4	3763019	0.001596039	2.61E-04	1.21E-04
8269	437094.8	3763011	0.001635603	2.67E-04	1.24E-04
8270	437091.2	3763002	0.001673951	2.73E-04	1.27E-04
8271	437087.6	3762994	0.001710897	2.80E-04	1.30E-04
8272	437084	3762985	0.001745878	2.85E-04	1.32E-04
8273	437080.5	3762976	0.001778801	2.91E-04	1.35E-04
8274	437076.9	3762968	0.00180948	2.96E-04	1.37E-04
8275	437073.3	3762959	0.001837633	3.00E-04	1.39E-04
8276	437069.7	3762950	0.001862232	3.04E-04	1.41E-04
8277	437066.1	3762942	0.001883745	3.08E-04	1.43E-04
8278	437062.5	3762933	0.00190189	3.11E-04	1.44E-04
8279	437058.9	3762924	0.00191882	3.13E-04	1.45E-04
8280	437055.3	3762916	0.001933598	3.16E-04	1.47E-04
8281	437364.5	3763194	0.001031944	1.69E-04	7.82E-05
8282	437374.1	3763194	0.001044758	1.71E-04	7.92E-05
8283	437383.8	3763194	0.001058414	1.73E-04	8.02E-05
8284	437422.4	3763194	0.001114533	1.82E-04	8.45E-05
8285	437432	3763194	0.001135017	1.85E-04	8.60E-05
8286	437441.7	3763194	0.001152414	1.88E-04	8.73E-05
8287	437451.3	3763194	0.001169905	1.91E-04	8.87E-05
8288	437461	3763194	0.001187956	1.94E-04	9.00E-05
8289	437470.6	3763194	0.001206663	1.97E-04	9.14E-05
8290	437509.2	3763193	0.001288036	2.10E-04	9.76E-05
8291	437518.9	3763193	0.001303656	2.13E-04	9.88E-05
8292	437528.5	3763193	0.001317873	2.15E-04	9.99E-05
8293	437538.2	3763193	0.001333493	2.18E-04	1.01E-04
8294	437547.8	3763193	0.001350516	2.21E-04	1.02E-04
8295	437355.8	3763220	0.000888278	1.45E-04	6.73E-05
8296	437347	3763216	0.000895387	1.46E-04	6.78E-05
8297	437338.2	3763213	0.000902963	1.48E-04	6.84E-05
8298	437329.4	3763209	0.000910726	1.49E-04	6.90E-05
8299	437320.6	3763206	0.000918676	1.50E-04	6.96E-05
8300	437311.8	3763202	0.000926814	1.51E-04	7.02E-05
8301	437303	3763198	0.000934858	1.53E-04	7.08E-05
8302	437294.2	3763195	0.000943088	1.54E-04	7.15E-05
8303	437285.4	3763191	0.000951319	1.55E-04	7.21E-05
8304	437276.6	3763187	0.000959831	1.57E-04	7.27E-05
8305	437267.8	3763184	0.000968342	1.58E-04	7.34E-05
8306	437259	3763180	0.000976947	1.60E-04	7.40E-05
8307	437250.2	3763177	0.000985178	1.61E-04	7.47E-05
8308	437241.4	3763173	0.00098948	1.62E-04	7.50E-05
8309	437232.6	3763169	0.000992848	1.62E-04	7.52E-05
8310	437223.8	3763166	0.000997711	1.63E-04	7.56E-05
8311	437215	3763162	0.001002762	1.64E-04	7.60E-05
8312	437206.3	3763158	0.001008093	1.65E-04	7.64E-05
8313	437197.5	3763155	0.001013612	1.66E-04	7.68E-05
8314	437188.7	3763151	0.001019785	1.67E-04	7.73E-05

8315	437144.7	3763133	0.001054111	1.72E-04	7.99E-05
8316	437135.9	3763129	0.001055795	1.72E-04	8.00E-05
8317	437127.1	3763126	0.001056356	1.73E-04	8.00E-05
8318	437118.3	3763122	0.001055982	1.73E-04	8.00E-05
8319	437105.9	3763110	0.001088999	1.78E-04	8.25E-05
8320	437102.2	3763101	0.001123513	1.84E-04	8.51E-05
8321	437098.6	3763092	0.001158494	1.89E-04	8.78E-05
8322	437094.9	3763083	0.001193662	1.95E-04	9.05E-05
8323	437091.3	3763075	0.001229017	2.01E-04	9.31E-05
8324	437087.6	3763066	0.001264466	2.07E-04	9.58E-05
8325	437084	3763057	0.001299634	2.12E-04	9.85E-05
8326	437080.4	3763048	0.001334335	2.18E-04	1.01E-04
8327	437076.7	3763039	0.001368568	2.24E-04	1.04E-04
8328	437073.1	3763031	0.001402146	2.29E-04	1.06E-04
8329	437069.4	3763022	0.001434882	2.34E-04	1.09E-04
8330	437065.8	3763013	0.001466683	2.40E-04	1.11E-04
8331	437062.1	3763004	0.001497081	2.45E-04	1.13E-04
8332	437058.5	3762996	0.001525983	2.49E-04	1.16E-04
8333	437054.8	3762987	0.001553014	2.54E-04	1.18E-04
8334	437051.2	3762978	0.001578081	2.58E-04	1.20E-04
8335	437047.5	3762969	0.001600996	2.62E-04	1.21E-04
8336	437043.9	3762960	0.001621854	2.65E-04	1.23E-04
8337	437040.3	3762952	0.001639999	2.68E-04	1.24E-04
8338	437036.6	3762943	0.001656554	2.71E-04	1.26E-04
8339	437033	3762934	0.001670491	2.73E-04	1.27E-04
8340	437029.3	3762925	0.001682089	2.75E-04	1.27E-04
8341	437025.7	3762916	0.001691161	2.76E-04	1.28E-04
8342	437364.6	3763224	0.000881357	1.44E-04	6.68E-05
8343	437374.2	3763224	0.000891833	1.46E-04	6.76E-05
8344	437383.9	3763224	0.000900905	1.47E-04	6.83E-05
8345	437422.5	3763224	0.000933361	1.52E-04	7.07E-05
8346	437432.1	3763224	0.000945146	1.54E-04	7.16E-05
8347	437441.8	3763224	0.000960672	1.57E-04	7.28E-05
8348	437451.4	3763224	0.000976667	1.60E-04	7.40E-05
8349	437461.1	3763224	0.000993035	1.62E-04	7.52E-05
8350	437499.7	3763223	0.001057666	1.73E-04	8.01E-05
8351	437509.3	3763223	0.001076279	1.76E-04	8.16E-05
8352	437519	3763223	0.001095733	1.79E-04	8.30E-05
8353	437528.6	3763223	0.001106116	1.81E-04	8.38E-05
8354	437538.3	3763223	0.001116404	1.82E-04	8.46E-05
8355	437547.9	3763223	0.001127909	1.84E-04	8.55E-05
8356	437355.7	3763250	0.000767247	1.25E-04	5.81E-05
8357	437346.8	3763246	0.000772766	1.26E-04	5.86E-05
8358	437337.9	3763243	0.000778565	1.27E-04	5.90E-05
8359	437329	3763239	0.000784831	1.28E-04	5.95E-05
8360	437320	3763235	0.000791472	1.29E-04	6.00E-05
8361	437311.1	3763232	0.000798394	1.30E-04	6.05E-05
8362	437302.2	3763228	0.000805034	1.32E-04	6.10E-05
8363	437293.3	3763224	0.000811769	1.33E-04	6.15E-05
8364	437284.4	3763221	0.000818597	1.34E-04	6.20E-05
8365	437275.5	3763217	0.000825892	1.35E-04	6.26E-05
8366	437266.6	3763213	0.000833281	1.36E-04	6.31E-05

8367	437257.7	3763210	0.000840764	1.37E-04	6.37E-05
8368	437248.7	3763206	0.000848153	1.39E-04	6.43E-05
8369	437239.8	3763202	0.000855729	1.40E-04	6.48E-05
8370	437230.9	3763199	0.000862931	1.41E-04	6.54E-05
8371	437222	3763195	0.000869946	1.42E-04	6.59E-05
8372	437213.1	3763191	0.000876306	1.43E-04	6.64E-05
8373	437204.2	3763188	0.000882386	1.44E-04	6.69E-05
8374	437195.3	3763184	0.00088276	1.44E-04	6.69E-05
8375	437186.4	3763180	0.00088435	1.44E-04	6.70E-05
8376	437141.8	3763162	0.000912877	1.49E-04	6.92E-05
8377	437132.9	3763158	0.000918957	1.50E-04	6.96E-05
8378	437124	3763155	0.000920921	1.50E-04	6.98E-05
8379	437115.1	3763151	0.000922324	1.51E-04	6.99E-05
8380	437106.1	3763147	0.000922231	1.51E-04	6.99E-05
8381	437097.2	3763143	0.000919705	1.50E-04	6.97E-05
8382	437084.6	3763131	0.000944585	1.54E-04	7.16E-05
8383	437080.9	3763122	0.000975731	1.59E-04	7.39E-05
8384	437077.2	3763113	0.001007906	1.65E-04	7.64E-05
8385	437073.5	3763104	0.001038024	1.70E-04	7.87E-05
8386	437069.8	3763095	0.001066832	1.74E-04	8.08E-05
8387	437066.2	3763086	0.001097604	1.79E-04	8.32E-05
8388	437062.5	3763077	0.001128283	1.84E-04	8.55E-05
8389	437058.8	3763069	0.001157652	1.89E-04	8.77E-05
8390	437055.1	3763060	0.001185992	1.94E-04	8.99E-05
8391	437051.4	3763051	0.001213117	1.98E-04	9.19E-05
8392	437047.7	3763042	0.001241457	2.03E-04	9.41E-05
8393	437044	3763033	0.001268581	2.07E-04	9.61E-05
8394	437040.3	3763024	0.001293929	2.11E-04	9.80E-05
8395	437036.6	3763015	0.001320492	2.16E-04	1.00E-04
8396	437032.9	3763006	0.001345372	2.20E-04	1.02E-04
8397	437029.2	3762997	0.001367726	2.23E-04	1.04E-04
8398	437025.5	3762988	0.001388958	2.27E-04	1.05E-04
8399	437021.8	3762980	0.001408132	2.30E-04	1.07E-04
8400	437018.1	3762971	0.001425716	2.33E-04	1.08E-04
8401	437014.4	3762962	0.001441336	2.35E-04	1.09E-04
8402	437010.7	3762953	0.001455179	2.38E-04	1.10E-04
8403	437007.1	3762944	0.001467244	2.40E-04	1.11E-04
8404	437003.4	3762935	0.001477346	2.41E-04	1.12E-04
8405	436999.7	3762926	0.001485483	2.43E-04	1.13E-04
8406	436996	3762917	0.00149175	2.44E-04	1.13E-04
8407	437364.6	3763254	0.000761448	1.24E-04	5.77E-05
8408	437374.3	3763254	0.00076865	1.26E-04	5.82E-05
8409	437383.9	3763254	0.000774356	1.27E-04	5.87E-05
8410	437422.5	3763254	0.000797739	1.30E-04	6.04E-05
8411	437432.2	3763254	0.000805221	1.32E-04	6.10E-05
8412	437441.8	3763254	0.000817848	1.34E-04	6.20E-05
8413	437451.5	3763254	0.000830849	1.36E-04	6.30E-05
8414	437461.1	3763254	0.000844037	1.38E-04	6.40E-05
8415	437470.8	3763254	0.000855261	1.40E-04	6.48E-05
8416	437480.4	3763254	0.000866766	1.42E-04	6.57E-05
8417	437490.1	3763253	0.000878551	1.44E-04	6.66E-05
8418	437499.7	3763253	0.000891271	1.46E-04	6.75E-05

8419	437509.4	3763253	0.000904366	1.48E-04	6.85E-05
8420	437519	3763253	0.000917928	1.50E-04	6.96E-05
8421	437528.7	3763253	0.000930181	1.52E-04	7.05E-05
8422	437538.3	3763253	0.000942808	1.54E-04	7.14E-05
8423	437548	3763253	0.000955996	1.56E-04	7.24E-05
8424	437355.9	3763280	0.000659685	1.08E-04	5.00E-05
8425	437347.2	3763277	0.000665297	1.09E-04	5.04E-05
8426	437338.4	3763273	0.000671563	1.10E-04	5.09E-05
8427	437329.7	3763269	0.000679607	1.11E-04	5.15E-05
8428	437320.9	3763266	0.000688399	1.12E-04	5.22E-05
8429	437312.2	3763262	0.000693544	1.13E-04	5.26E-05
8430	437303.4	3763258	0.000698781	1.14E-04	5.30E-05
8431	437294.7	3763255	0.0007043	1.15E-04	5.34E-05
8432	437285.9	3763251	0.000709912	1.16E-04	5.38E-05
8433	437277.2	3763248	0.000715804	1.17E-04	5.42E-05
8434	437268.4	3763244	0.000721884	1.18E-04	5.47E-05
8435	437259.7	3763240	0.000728244	1.19E-04	5.52E-05
8436	437250.9	3763237	0.000734604	1.20E-04	5.57E-05
8437	437242.2	3763233	0.000741245	1.21E-04	5.62E-05
8438	437233.4	3763230	0.000747699	1.22E-04	5.67E-05
8439	437224.7	3763226	0.000754059	1.23E-04	5.71E-05
8440	437215.9	3763222	0.000759952	1.24E-04	5.76E-05
8441	437207.2	3763219	0.000765657	1.25E-04	5.80E-05
8442	437198.4	3763215	0.000771082	1.26E-04	5.84E-05
8443	437189.6	3763212	0.00077632	1.27E-04	5.88E-05
8444	437180.9	3763208	0.000781277	1.28E-04	5.92E-05
8445	437145.9	3763194	0.000798768	1.30E-04	6.05E-05
8446	437137.1	3763190	0.000802415	1.31E-04	6.08E-05
8447	437128.4	3763186	0.000805502	1.32E-04	6.10E-05
8448	437119.6	3763183	0.000808215	1.32E-04	6.12E-05
8449	437110.9	3763179	0.00080943	1.32E-04	6.13E-05
8450	437102.1	3763175	0.000810459	1.32E-04	6.14E-05
8451	437093.4	3763172	0.000810272	1.32E-04	6.14E-05
8452	437084.6	3763168	0.000809056	1.32E-04	6.13E-05
8453	437075.9	3763165	0.000806999	1.32E-04	6.12E-05
8454	437063.5	3763152	0.00082795	1.35E-04	6.27E-05
8455	437059.9	3763144	0.000851801	1.39E-04	6.45E-05
8456	437056.2	3763135	0.000878644	1.44E-04	6.66E-05
8457	437052.6	3763126	0.000907265	1.48E-04	6.87E-05
8458	437049	3763117	0.000934951	1.53E-04	7.08E-05
8459	437045.4	3763109	0.00095955	1.57E-04	7.27E-05
8460	437041.7	3763100	0.000984149	1.61E-04	7.46E-05
8461	437038.1	3763091	0.001008655	1.65E-04	7.64E-05
8462	437034.5	3763082	0.00103288	1.69E-04	7.83E-05
8463	437030.9	3763074	0.00105673	1.73E-04	8.01E-05
8464	437027.2	3763065	0.00108002	1.76E-04	8.18E-05
8465	437023.6	3763056	0.001102748	1.80E-04	8.36E-05
8466	437020	3763047	0.001125103	1.84E-04	8.53E-05
8467	437016.3	3763039	0.001146615	1.87E-04	8.69E-05
8468	437012.7	3763030	0.001167286	1.91E-04	8.85E-05
8469	437009.1	3763021	0.001184963	1.94E-04	8.98E-05
8470	437005.5	3763012	0.001205634	1.97E-04	9.14E-05

8471	437001.8	3763004	0.001223405	2.00E-04	9.27E-05
8472	436998.2	3762995	0.001239867	2.03E-04	9.40E-05
8473	436994.6	3762986	0.001255206	2.05E-04	9.51E-05
8474	436991	3762977	0.001269143	2.07E-04	9.62E-05
8475	436987.3	3762969	0.00128177	2.09E-04	9.71E-05
8476	436983.7	3762960	0.0012929	2.11E-04	9.80E-05
8477	436980.1	3762951	0.00130244	2.13E-04	9.87E-05
8478	436976.4	3762942	0.001310297	2.14E-04	9.93E-05
8479	436972.8	3762934	0.001316751	2.15E-04	9.98E-05
8480	436969.2	3762925	0.001321614	2.16E-04	1.00E-04
8481	436965.6	3762916	0.001325075	2.16E-04	1.00E-04
8482	436961.9	3762907	0.001326946	2.17E-04	1.01E-04
8483	436958.3	3762899	0.00132732	2.17E-04	1.01E-04
8484	437364.7	3763284	0.000654354	1.07E-04	4.96E-05
8485	437374.3	3763284	0.000661181	1.08E-04	5.01E-05
8486	437384	3763284	0.000668103	1.09E-04	5.06E-05
8487	437393.6	3763284	0.000675305	1.10E-04	5.12E-05
8488	437403.3	3763284	0.000681946	1.11E-04	5.17E-05
8489	437412.9	3763284	0.000687651	1.12E-04	5.21E-05
8490	437422.6	3763284	0.000693544	1.13E-04	5.26E-05
8491	437432.2	3763284	0.000700465	1.14E-04	5.31E-05
8492	437441.9	3763284	0.000710754	1.16E-04	5.39E-05
8493	437451.5	3763284	0.000721323	1.18E-04	5.47E-05
8494	437461.2	3763284	0.000731985	1.20E-04	5.55E-05
8495	437470.8	3763284	0.000740965	1.21E-04	5.61E-05
8496	437480.5	3763284	0.000750224	1.23E-04	5.68E-05
8497	437490.1	3763283	0.000759765	1.24E-04	5.76E-05
8498	437499.8	3763283	0.000767715	1.25E-04	5.82E-05
8499	437509.4	3763283	0.000775946	1.27E-04	5.88E-05
8500	437519.1	3763283	0.000784457	1.28E-04	5.94E-05
8501	437528.7	3763283	0.000794746	1.30E-04	6.02E-05
8502	437538.4	3763283	0.000805502	1.32E-04	6.10E-05
8503	437548	3763283	0.000816632	1.33E-04	6.19E-05
8504	437355.9	3763310	0.000576347	9.42E-05	4.37E-05
8505	437347	3763306	0.000580182	9.48E-05	4.40E-05
8506	437338.2	3763303	0.000584485	9.55E-05	4.43E-05
8507	437329.3	3763299	0.000590097	9.64E-05	4.47E-05
8508	437320.5	3763295	0.000595989	9.74E-05	4.52E-05
8509	437311.6	3763292	0.000602162	9.84E-05	4.56E-05
8510	437302.7	3763288	0.000607587	9.93E-05	4.60E-05
8511	437293.9	3763285	0.000612919	1.00E-04	4.64E-05
8512	437285	3763281	0.000618063	1.01E-04	4.68E-05
8513	437276.2	3763277	0.000623955	1.02E-04	4.73E-05
8514	437267.3	3763274	0.000631438	1.03E-04	4.78E-05
8515	437258.5	3763270	0.000638359	1.04E-04	4.84E-05
8516	437249.6	3763266	0.000643597	1.05E-04	4.88E-05
8517	437240.8	3763263	0.000649303	1.06E-04	4.92E-05
8518	437231.9	3763259	0.000655008	1.07E-04	4.96E-05
8519	437223	3763255	0.00066062	1.08E-04	5.01E-05
8520	437214.2	3763252	0.000666045	1.09E-04	5.05E-05
8521	437205.3	3763248	0.000671376	1.10E-04	5.09E-05
8522	437196.5	3763244	0.000676521	1.11E-04	5.13E-05

8523	437187.6	3763241	0.000681478	1.11E-04	5.16E-05
8524	437143.3	3763222	0.000703271	1.15E-04	5.33E-05
8525	437134.5	3763219	0.000706919	1.15E-04	5.36E-05
8526	437125.6	3763215	0.000710286	1.16E-04	5.38E-05
8527	437116.8	3763211	0.000713373	1.17E-04	5.41E-05
8528	437107.9	3763208	0.000716085	1.17E-04	5.43E-05
8529	437099.1	3763204	0.00071674	1.17E-04	5.43E-05
8530	437090.2	3763201	0.000717114	1.17E-04	5.43E-05
8531	437081.4	3763197	0.000717207	1.17E-04	5.43E-05
8532	437072.5	3763193	0.00071702	1.17E-04	5.43E-05
8533	437063.6	3763190	0.000717581	1.17E-04	5.44E-05
8534	437054.8	3763186	0.000718236	1.17E-04	5.44E-05
8535	437042.3	3763173	0.000738346	1.21E-04	5.59E-05
8536	437038.6	3763165	0.000759578	1.24E-04	5.76E-05
8537	437034.9	3763156	0.000782119	1.28E-04	5.93E-05
8538	437031.3	3763147	0.000805502	1.32E-04	6.10E-05
8539	437027.6	3763138	0.000828043	1.35E-04	6.27E-05
8540	437023.9	3763129	0.000849182	1.39E-04	6.43E-05
8541	437020.2	3763120	0.000870507	1.42E-04	6.60E-05
8542	437016.6	3763111	0.000891645	1.46E-04	6.76E-05
8543	437012.9	3763103	0.000912597	1.49E-04	6.92E-05
8544	437009.2	3763094	0.000933267	1.52E-04	7.07E-05
8545	437005.6	3763085	0.000953564	1.56E-04	7.23E-05
8546	437001.9	3763076	0.000973393	1.59E-04	7.38E-05
8547	436998.2	3763067	0.000992661	1.62E-04	7.52E-05
8548	436994.6	3763058	0.001011367	1.65E-04	7.66E-05
8549	436990.9	3763050	0.001029419	1.68E-04	7.80E-05
8550	436987.2	3763041	0.001046722	1.71E-04	7.93E-05
8551	436983.5	3763032	0.001063465	1.74E-04	8.06E-05
8552	436979.9	3763023	0.001077962	1.76E-04	8.17E-05
8553	436976.2	3763014	0.001094143	1.79E-04	8.29E-05
8554	436972.5	3763005	0.001107986	1.81E-04	8.40E-05
8555	436968.9	3762996	0.001121174	1.83E-04	8.50E-05
8556	436965.2	3762988	0.001133146	1.85E-04	8.59E-05
8557	436961.5	3762979	0.001143809	1.87E-04	8.67E-05
8558	436957.8	3762970	0.001153256	1.88E-04	8.74E-05
8559	436954.2	3762961	0.001161393	1.90E-04	8.80E-05
8560	436950.5	3762952	0.001168315	1.91E-04	8.85E-05
8561	436946.8	3762943	0.001173833	1.92E-04	8.89E-05
8562	436943.2	3762935	0.001178042	1.92E-04	8.93E-05
8563	436939.5	3762926	0.001180941	1.93E-04	8.95E-05
8564	436935.8	3762917	0.001182719	1.93E-04	8.96E-05
8565	436932.2	3762908	0.001183467	1.93E-04	8.97E-05
8566	436928.5	3762899	0.001183093	1.93E-04	8.96E-05
8567	437364.7	3763314	0.0005727	9.36E-05	4.34E-05
8568	437374.4	3763314	0.000578499	9.45E-05	4.38E-05
8569	437384	3763314	0.000584578	9.55E-05	4.43E-05
8570	437393.7	3763314	0.000590751	9.65E-05	4.48E-05
8571	437403.3	3763314	0.000597486	9.76E-05	4.53E-05
8572	437413	3763314	0.000604875	9.88E-05	4.58E-05
8573	437422.6	3763314	0.000612451	1.00E-04	4.64E-05
8574	437432.3	3763314	0.000620121	1.01E-04	4.70E-05

8575	437441.9	3763314	0.00062751	1.03E-04	4.75E-05
8576	437451.6	3763314	0.000634992	1.04E-04	4.81E-05
8577	437461.2	3763314	0.000642568	1.05E-04	4.87E-05
8578	437470.9	3763314	0.000650051	1.06E-04	4.93E-05
8579	437480.5	3763314	0.000657627	1.07E-04	4.98E-05
8580	437490.2	3763313	0.000665297	1.09E-04	5.04E-05
8581	437499.8	3763313	0.00067147	1.10E-04	5.09E-05
8582	437509.5	3763313	0.000677737	1.11E-04	5.14E-05
8583	437519.1	3763313	0.000684284	1.12E-04	5.19E-05
8584	437528.8	3763313	0.000691299	1.13E-04	5.24E-05
8585	437538.4	3763313	0.000698501	1.14E-04	5.29E-05
8586	437548.1	3763313	0.000706077	1.15E-04	5.35E-05
8587	437356.1	3763340	0.000512371	8.37E-05	3.88E-05
8588	437347.4	3763337	0.00051499	8.41E-05	3.90E-05
8589	437338.6	3763333	0.000517796	8.46E-05	3.92E-05
8590	437329.9	3763329	0.00052135	8.52E-05	3.95E-05
8591	437321.2	3763326	0.000525466	8.58E-05	3.98E-05
8592	437312.5	3763322	0.000529955	8.66E-05	4.02E-05
8593	437303.8	3763319	0.000534071	8.72E-05	4.05E-05
8594	437295	3763315	0.000538093	8.79E-05	4.08E-05
8595	437286.3	3763311	0.000542302	8.86E-05	4.11E-05
8596	437277.6	3763308	0.000546698	8.93E-05	4.14E-05
8597	437268.9	3763304	0.000551935	9.02E-05	4.18E-05
8598	437260.2	3763301	0.000557547	9.11E-05	4.22E-05
8599	437251.4	3763297	0.000563814	9.21E-05	4.27E-05
8600	437242.7	3763293	0.00056952	9.30E-05	4.32E-05
8601	437234	3763290	0.000575131	9.40E-05	4.36E-05
8602	437225.3	3763286	0.000581024	9.49E-05	4.40E-05
8603	437216.6	3763283	0.000585607	9.57E-05	4.44E-05
8604	437207.9	3763279	0.000590284	9.64E-05	4.47E-05
8605	437199.1	3763275	0.00059496	9.72E-05	4.51E-05
8606	437190.4	3763272	0.000599637	9.80E-05	4.54E-05
8607	437181.7	3763268	0.000604033	9.87E-05	4.58E-05
8608	437146.8	3763254	0.000620214	1.01E-04	4.70E-05
8609	437138.1	3763250	0.000623955	1.02E-04	4.73E-05
8610	437129.4	3763247	0.00062751	1.03E-04	4.75E-05
8611	437120.7	3763243	0.000630783	1.03E-04	4.78E-05
8612	437111.9	3763239	0.000633028	1.03E-04	4.80E-05
8613	437103.2	3763236	0.000634992	1.04E-04	4.81E-05
8614	437094.5	3763232	0.000637798	1.04E-04	4.83E-05
8615	437085.8	3763229	0.000640324	1.05E-04	4.85E-05
8616	437077.1	3763225	0.000641914	1.05E-04	4.86E-05
8617	437068.3	3763221	0.000642943	1.05E-04	4.87E-05
8618	437059.6	3763218	0.000643971	1.05E-04	4.88E-05
8619	437050.9	3763214	0.000644626	1.05E-04	4.88E-05
8620	437042.2	3763211	0.000645094	1.05E-04	4.89E-05
8621	437033.5	3763207	0.000645936	1.06E-04	4.89E-05
8622	437021.1	3763195	0.000663613	1.08E-04	5.03E-05
8623	437017.5	3763186	0.000679981	1.11E-04	5.15E-05
8624	437013.9	3763177	0.00069635	1.14E-04	5.28E-05
8625	437010.3	3763169	0.000713092	1.16E-04	5.40E-05
8626	437006.7	3763160	0.000733856	1.20E-04	5.56E-05

8627	437003.1	3763151	0.000754246	1.23E-04	5.72E-05
8628	436999.4	3763143	0.000772017	1.26E-04	5.85E-05
8629	436995.8	3763134	0.000789882	1.29E-04	5.99E-05
8630	436992.2	3763125	0.00080756	1.32E-04	6.12E-05
8631	436988.6	3763116	0.000825237	1.35E-04	6.25E-05
8632	436985	3763108	0.000842634	1.38E-04	6.39E-05
8633	436981.4	3763099	0.000859564	1.40E-04	6.51E-05
8634	436977.8	3763090	0.000876306	1.43E-04	6.64E-05
8635	436974.2	3763082	0.000892674	1.46E-04	6.76E-05
8636	436970.5	3763073	0.000908481	1.48E-04	6.88E-05
8637	436966.9	3763064	0.000923821	1.51E-04	7.00E-05
8638	436963.3	3763055	0.000938599	1.53E-04	7.11E-05
8639	436959.7	3763047	0.000952722	1.56E-04	7.22E-05
8640	436956.1	3763038	0.000966097	1.58E-04	7.32E-05
8641	436952.5	3763029	0.000978818	1.60E-04	7.42E-05
8642	436948.9	3763021	0.000990696	1.62E-04	7.51E-05
8643	436945.2	3763012	0.001002107	1.64E-04	7.59E-05
8644	436941.6	3763003	0.001012489	1.65E-04	7.67E-05
8645	436938	3762994	0.00102203	1.67E-04	7.74E-05
8646	436934.4	3762986	0.001030448	1.68E-04	7.81E-05
8647	436930.8	3762977	0.001038024	1.70E-04	7.87E-05
8648	436927.2	3762968	0.001044571	1.71E-04	7.92E-05
8649	436923.6	3762960	0.001049996	1.72E-04	7.96E-05
8650	436919.9	3762951	0.001054298	1.72E-04	7.99E-05
8651	436916.3	3762942	0.001057385	1.73E-04	8.01E-05
8652	436912.7	3762933	0.001060004	1.73E-04	8.03E-05
8653	436909.1	3762925	0.001061688	1.73E-04	8.05E-05
8654	436905.5	3762916	0.001062342	1.74E-04	8.05E-05
8655	436901.9	3762907	0.001062249	1.74E-04	8.05E-05
8656	436898.3	3762899	0.001061126	1.73E-04	8.04E-05
8657	437364.8	3763344	0.000509939	8.33E-05	3.86E-05
8658	437374.5	3763344	0.000514803	8.41E-05	3.90E-05
8659	437384.1	3763344	0.000519947	8.49E-05	3.94E-05
8660	437393.8	3763344	0.000525185	8.58E-05	3.98E-05
8661	437403.4	3763344	0.000530984	8.67E-05	4.02E-05
8662	437413.1	3763344	0.000537718	8.78E-05	4.07E-05
8663	437422.7	3763344	0.00054464	8.90E-05	4.13E-05
8664	437432.4	3763344	0.000551374	9.01E-05	4.18E-05
8665	437442	3763344	0.000557267	9.10E-05	4.22E-05
8666	437451.7	3763344	0.000563253	9.20E-05	4.27E-05
8667	437461.3	3763344	0.000569332	9.30E-05	4.31E-05
8668	437471	3763344	0.000575599	9.40E-05	4.36E-05
8669	437480.6	3763344	0.000581866	9.51E-05	4.41E-05
8670	437490.3	3763343	0.000588226	9.61E-05	4.46E-05
8671	437499.9	3763343	0.000595615	9.73E-05	4.51E-05
8672	437509.6	3763343	0.000603004	9.85E-05	4.57E-05
8673	437519.2	3763343	0.000610674	9.98E-05	4.63E-05
8674	437528.9	3763343	0.00061507	1.00E-04	4.66E-05
8675	437538.5	3763343	0.000619466	1.01E-04	4.69E-05
8676	437548.2	3763343	0.000624143	1.02E-04	4.73E-05
8677	437356	3763370	0.000462331	7.55E-05	3.50E-05
8678	437347.2	3763366	0.000464108	7.58E-05	3.52E-05

8679	437338.4	3763363	0.000465885	7.61E-05	3.53E-05
8680	437329.6	3763359	0.00046785	7.64E-05	3.55E-05
8681	437320.8	3763356	0.000469907	7.68E-05	3.56E-05
8682	437312	3763352	0.000472152	7.71E-05	3.58E-05
8683	437303.2	3763348	0.00047421	7.75E-05	3.59E-05
8684	437294.4	3763345	0.000476735	7.79E-05	3.61E-05
8685	437285.6	3763341	0.000479728	7.84E-05	3.64E-05
8686	437276.7	3763337	0.000483189	7.89E-05	3.66E-05
8687	437267.9	3763334	0.000487304	7.96E-05	3.69E-05
8688	437259.1	3763330	0.000491513	8.03E-05	3.72E-05
8689	437250.3	3763326	0.000495909	8.10E-05	3.76E-05
8690	437241.5	3763323	0.000500493	8.18E-05	3.79E-05
8691	437232.7	3763319	0.000504982	8.25E-05	3.83E-05
8692	437223.9	3763316	0.000509659	8.33E-05	3.86E-05
8693	437215.1	3763312	0.000514429	8.40E-05	3.90E-05
8694	437206.2	3763308	0.000519293	8.48E-05	3.93E-05
8695	437197.4	3763305	0.00052425	8.56E-05	3.97E-05
8696	437188.6	3763301	0.000529114	8.64E-05	4.01E-05
8697	437144.6	3763283	0.000550345	8.99E-05	4.17E-05
8698	437135.7	3763279	0.000553151	9.04E-05	4.19E-05
8699	437126.9	3763276	0.000555864	9.08E-05	4.21E-05
8700	437118.1	3763272	0.000558389	9.12E-05	4.23E-05
8701	437109.3	3763268	0.000560821	9.16E-05	4.25E-05
8702	437100.5	3763265	0.000563159	9.20E-05	4.27E-05
8703	437091.7	3763261	0.000567368	9.27E-05	4.30E-05
8704	437082.9	3763257	0.000571484	9.34E-05	4.33E-05
8705	437074.1	3763254	0.000575038	9.39E-05	4.36E-05
8706	437065.2	3763250	0.000577657	9.44E-05	4.38E-05
8707	437056.4	3763247	0.000579528	9.47E-05	4.39E-05
8708	437047.6	3763243	0.000581211	9.49E-05	4.40E-05
8709	437038.8	3763239	0.000582708	9.52E-05	4.42E-05
8710	437030	3763236	0.00058383	9.54E-05	4.42E-05
8711	437021.2	3763232	0.000584765	9.55E-05	4.43E-05
8712	437012.4	3763228	0.000585514	9.57E-05	4.44E-05
8713	436999.9	3763216	0.000600572	9.81E-05	4.55E-05
8714	436996.2	3763207	0.00061535	1.01E-04	4.66E-05
8715	436992.6	3763198	0.000630222	1.03E-04	4.78E-05
8716	436988.9	3763190	0.000645	1.05E-04	4.89E-05
8717	436985.3	3763181	0.000660246	1.08E-04	5.00E-05
8718	436981.6	3763172	0.000675772	1.10E-04	5.12E-05
8719	436978	3763163	0.000692515	1.13E-04	5.25E-05
8720	436974.3	3763154	0.000708135	1.16E-04	5.37E-05
8721	436970.7	3763145	0.000723474	1.18E-04	5.48E-05
8722	436967	3763137	0.000738813	1.21E-04	5.60E-05
8723	436963.4	3763128	0.000754059	1.23E-04	5.71E-05
8724	436959.7	3763119	0.000768931	1.26E-04	5.83E-05
8725	436956.1	3763110	0.000783615	1.28E-04	5.94E-05
8726	436952.4	3763101	0.000798113	1.30E-04	6.05E-05
8727	436948.8	3763093	0.000812236	1.33E-04	6.15E-05
8728	436945.1	3763084	0.000826079	1.35E-04	6.26E-05
8729	436941.5	3763075	0.000839361	1.37E-04	6.36E-05
8730	436937.8	3763066	0.000852081	1.39E-04	6.46E-05

8731	436934.2	3763057	0.00086424	1.41E-04	6.55E-05
8732	436930.5	3763049	0.000875839	1.43E-04	6.64E-05
8733	436926.9	3763040	0.000886782	1.45E-04	6.72E-05
8734	436923.2	3763031	0.000897164	1.47E-04	6.80E-05
8735	436919.5	3763022	0.000906798	1.48E-04	6.87E-05
8736	436915.9	3763013	0.000915683	1.50E-04	6.94E-05
8737	436912.2	3763005	0.000923821	1.51E-04	7.00E-05
8738	436908.6	3762996	0.00093121	1.52E-04	7.06E-05
8739	436904.9	3762987	0.000937757	1.53E-04	7.11E-05
8740	436901.3	3762978	0.000943369	1.54E-04	7.15E-05
8741	436897.6	3762969	0.000948233	1.55E-04	7.19E-05
8742	436894	3762961	0.000952161	1.56E-04	7.22E-05
8743	436890.3	3762952	0.000955248	1.56E-04	7.24E-05
8744	436886.7	3762943	0.000957679	1.56E-04	7.26E-05
8745	436883	3762934	0.000959176	1.57E-04	7.27E-05
8746	436879.4	3762925	0.000960018	1.57E-04	7.27E-05
8747	436875.7	3762917	0.000960018	1.57E-04	7.27E-05
8748	436872.1	3762908	0.000959457	1.57E-04	7.27E-05
8749	436868.4	3762899	0.000958241	1.57E-04	7.26E-05
8750	437364.9	3763374	0.000460648	7.53E-05	3.49E-05
8751	437374.5	3763374	0.000464202	7.58E-05	3.52E-05
8752	437384.2	3763374	0.000466914	7.63E-05	3.54E-05
8753	437393.8	3763374	0.000469907	7.68E-05	3.56E-05
8754	437403.5	3763374	0.000473836	7.74E-05	3.59E-05
8755	437413.1	3763374	0.000479448	7.83E-05	3.63E-05
8756	437422.8	3763374	0.000485247	7.93E-05	3.68E-05
8757	437432.4	3763374	0.000490859	8.02E-05	3.72E-05
8758	437442.1	3763374	0.000495816	8.10E-05	3.76E-05
8759	437451.7	3763374	0.000500867	8.18E-05	3.80E-05
8760	437461.4	3763374	0.000506011	8.27E-05	3.83E-05
8761	437471	3763374	0.000512091	8.37E-05	3.88E-05
8762	437480.7	3763374	0.000518264	8.47E-05	3.93E-05
8763	437490.3	3763373	0.000524437	8.57E-05	3.97E-05
8764	437500	3763373	0.000530142	8.66E-05	4.02E-05
8765	437509.6	3763373	0.000535941	8.76E-05	4.06E-05
8766	437519.3	3763373	0.000541834	8.85E-05	4.11E-05
8767	437528.9	3763373	0.000547072	8.94E-05	4.15E-05
8768	437538.6	3763373	0.00055231	9.02E-05	4.19E-05
8769	437548.2	3763373	0.000557734	9.11E-05	4.23E-05
8770	437356	3763400	0.000419868	6.86E-05	3.18E-05
8771	437347.1	3763396	0.000422019	6.89E-05	3.20E-05
8772	437338.2	3763393	0.000423889	6.92E-05	3.21E-05
8773	437329.3	3763389	0.00042576	6.96E-05	3.23E-05
8774	437320.4	3763385	0.000427444	6.98E-05	3.24E-05
8775	437311.5	3763382	0.000429034	7.01E-05	3.25E-05
8776	437302.6	3763378	0.000430811	7.04E-05	3.26E-05
8777	437293.7	3763374	0.000432588	7.07E-05	3.28E-05
8778	437284.9	3763371	0.000434271	7.09E-05	3.29E-05
8779	437276	3763367	0.000435862	7.12E-05	3.30E-05
8780	437267.1	3763363	0.000437639	7.15E-05	3.32E-05
8781	437258.2	3763360	0.00043979	7.18E-05	3.33E-05
8782	437249.3	3763356	0.000442222	7.22E-05	3.35E-05

8783	437240.4	3763352	0.000445682	7.28E-05	3.38E-05
8784	437231.5	3763349	0.000449704	7.35E-05	3.41E-05
8785	437222.6	3763345	0.0004541	7.42E-05	3.44E-05
8786	437213.7	3763341	0.000458029	7.48E-05	3.47E-05
8787	437204.8	3763338	0.00046177	7.54E-05	3.50E-05
8788	437195.9	3763334	0.000465605	7.61E-05	3.53E-05
8789	437187	3763330	0.000469533	7.67E-05	3.56E-05
8790	437142.5	3763312	0.000488988	7.99E-05	3.71E-05
8791	437133.6	3763308	0.000492449	8.04E-05	3.73E-05
8792	437124.7	3763305	0.000495629	8.10E-05	3.76E-05
8793	437115.8	3763301	0.000498528	8.14E-05	3.78E-05
8794	437106.9	3763297	0.00050096	8.18E-05	3.80E-05
8795	437098	3763294	0.000503579	8.23E-05	3.82E-05
8796	437089.1	3763290	0.000507227	8.29E-05	3.84E-05
8797	437080.2	3763286	0.000511155	8.35E-05	3.87E-05
8798	437071.3	3763283	0.000515084	8.41E-05	3.90E-05
8799	437062.4	3763279	0.000518544	8.47E-05	3.93E-05
8800	437053.5	3763275	0.000521444	8.52E-05	3.95E-05
8801	437044.6	3763272	0.000524063	8.56E-05	3.97E-05
8802	437035.7	3763268	0.000525933	8.59E-05	3.99E-05
8803	437026.8	3763264	0.000527523	8.62E-05	4.00E-05
8804	437018	3763261	0.000528833	8.64E-05	4.01E-05
8805	437009.1	3763257	0.000530142	8.66E-05	4.02E-05
8806	437000.2	3763253	0.000531919	8.69E-05	4.03E-05
8807	436991.3	3763250	0.000532668	8.70E-05	4.04E-05
8808	436978.7	3763237	0.000545762	8.92E-05	4.14E-05
8809	436975	3763228	0.000557828	9.11E-05	4.23E-05
8810	436971.3	3763219	0.000570922	9.33E-05	4.33E-05
8811	436967.6	3763210	0.000584111	9.54E-05	4.43E-05
8812	436963.9	3763202	0.000597486	9.76E-05	4.53E-05
8813	436960.2	3763193	0.000610861	9.98E-05	4.63E-05
8814	436956.6	3763184	0.00062433	1.02E-04	4.73E-05
8815	436952.9	3763175	0.000637798	1.04E-04	4.83E-05
8816	436949.2	3763166	0.000651828	1.06E-04	4.94E-05
8817	436945.5	3763157	0.000665764	1.09E-04	5.04E-05
8818	436941.8	3763148	0.00067914	1.11E-04	5.15E-05
8819	436938.1	3763139	0.000692328	1.13E-04	5.25E-05
8820	436934.4	3763130	0.000705329	1.15E-04	5.34E-05
8821	436930.7	3763122	0.000718049	1.17E-04	5.44E-05
8822	436927.1	3763113	0.000730583	1.19E-04	5.54E-05
8823	436923.4	3763104	0.000742835	1.21E-04	5.63E-05
8824	436919.7	3763095	0.000754714	1.23E-04	5.72E-05
8825	436916	3763086	0.000766312	1.25E-04	5.81E-05
8826	436912.3	3763077	0.000777349	1.27E-04	5.89E-05
8827	436908.6	3763068	0.000787918	1.29E-04	5.97E-05
8828	436904.9	3763059	0.000797926	1.30E-04	6.05E-05
8829	436901.2	3763050	0.000807466	1.32E-04	6.12E-05
8830	436897.6	3763042	0.000816352	1.33E-04	6.19E-05
8831	436893.9	3763033	0.000824676	1.35E-04	6.25E-05
8832	436890.2	3763024	0.000832439	1.36E-04	6.31E-05
8833	436886.5	3763015	0.000839548	1.37E-04	6.36E-05
8834	436882.8	3763006	0.000846002	1.38E-04	6.41E-05

8835	436879.1	3762997	0.000851801	1.39E-04	6.45E-05
8836	436875.4	3762988	0.000856851	1.40E-04	6.49E-05
8837	436871.7	3762979	0.000861154	1.41E-04	6.53E-05
8838	436868.1	3762970	0.000864802	1.41E-04	6.55E-05
8839	436864.4	3762962	0.000867701	1.42E-04	6.58E-05
8840	436860.7	3762953	0.000869946	1.42E-04	6.59E-05
8841	436857	3762944	0.000871442	1.42E-04	6.60E-05
8842	436853.3	3762935	0.000872284	1.43E-04	6.61E-05
8843	436849.6	3762926	0.000872565	1.43E-04	6.61E-05
8844	436845.9	3762917	0.000872284	1.43E-04	6.61E-05
8845	436842.2	3762908	0.000871442	1.42E-04	6.60E-05
8846	436838.6	3762899	0.000869946	1.42E-04	6.59E-05
8847	437364.9	3763404	0.000417716	6.82E-05	3.17E-05
8848	437374.6	3763404	0.000420242	6.87E-05	3.18E-05
8849	437384.2	3763404	0.000422206	6.90E-05	3.20E-05
8850	437393.9	3763404	0.000424451	6.93E-05	3.22E-05
8851	437403.5	3763404	0.000427163	6.98E-05	3.24E-05
8852	437413.2	3763404	0.000430624	7.03E-05	3.26E-05
8853	437422.8	3763404	0.000434084	7.09E-05	3.29E-05
8854	437432.5	3763404	0.000437826	7.15E-05	3.32E-05
8855	437442.1	3763404	0.000442502	7.23E-05	3.35E-05
8856	437451.8	3763404	0.000447834	7.32E-05	3.39E-05
8857	437461.4	3763404	0.000452791	7.40E-05	3.43E-05
8858	437471.1	3763404	0.00045728	7.47E-05	3.47E-05
8859	437480.7	3763404	0.000461957	7.55E-05	3.50E-05
8860	437490.4	3763403	0.00046654	7.62E-05	3.54E-05
8861	437500	3763403	0.000471123	7.70E-05	3.57E-05
8862	437509.7	3763403	0.000475706	7.77E-05	3.60E-05
8863	437519.3	3763403	0.00048029	7.85E-05	3.64E-05
8864	437529	3763403	0.000484405	7.91E-05	3.67E-05
8865	437538.6	3763403	0.000488427	7.98E-05	3.70E-05
8866	437548.3	3763403	0.000490578	8.01E-05	3.72E-05
8867	437356.2	3763430	0.000382455	6.25E-05	2.90E-05
8868	437347.4	3763427	0.000384606	6.28E-05	2.91E-05
8869	437338.7	3763423	0.000386944	6.32E-05	2.93E-05
8870	437329.9	3763419	0.000389282	6.36E-05	2.95E-05
8871	437321.1	3763416	0.000391808	6.40E-05	2.97E-05
8872	437312.3	3763412	0.000394427	6.44E-05	2.99E-05
8873	437303.5	3763408	0.000396858	6.48E-05	3.01E-05
8874	437294.8	3763405	0.000398729	6.51E-05	3.02E-05
8875	437286	3763401	0.000400413	6.54E-05	3.03E-05
8876	437277.2	3763398	0.000401442	6.56E-05	3.04E-05
8877	437268.4	3763394	0.000401535	6.56E-05	3.04E-05
8878	437259.6	3763390	0.000402003	6.57E-05	3.05E-05
8879	437250.9	3763387	0.000402845	6.58E-05	3.05E-05
8880	437242.1	3763383	0.000404528	6.61E-05	3.07E-05
8881	437233.3	3763379	0.000406773	6.65E-05	3.08E-05
8882	437224.5	3763376	0.000409392	6.69E-05	3.10E-05
8883	437215.8	3763372	0.000412291	6.74E-05	3.12E-05
8884	437207	3763369	0.000415097	6.78E-05	3.15E-05
8885	437198.2	3763365	0.000417997	6.83E-05	3.17E-05
8886	437189.4	3763361	0.00042099	6.88E-05	3.19E-05

8887	437145.5	3763343	0.000438668	7.17E-05	3.32E-05
8888	437136.7	3763340	0.000441661	7.22E-05	3.35E-05
8889	437128	3763336	0.000444467	7.26E-05	3.37E-05
8890	437119.2	3763332	0.000447085	7.30E-05	3.39E-05
8891	437110.4	3763329	0.000449798	7.35E-05	3.41E-05
8892	437101.6	3763325	0.000452604	7.39E-05	3.43E-05
8893	437092.9	3763322	0.000456252	7.45E-05	3.46E-05
8894	437084.1	3763318	0.000459806	7.51E-05	3.48E-05
8895	437075.3	3763314	0.00046308	7.57E-05	3.51E-05
8896	437066.5	3763311	0.000465979	7.61E-05	3.53E-05
8897	437057.7	3763307	0.000468691	7.66E-05	3.55E-05
8898	437049	3763303	0.000471404	7.70E-05	3.57E-05
8899	437040.2	3763300	0.00047421	7.75E-05	3.59E-05
8900	437031.4	3763296	0.000476361	7.78E-05	3.61E-05
8901	437022.6	3763293	0.000478512	7.82E-05	3.63E-05
8902	437013.8	3763289	0.00048029	7.85E-05	3.64E-05
8903	437005.1	3763285	0.000481225	7.86E-05	3.65E-05
8904	436996.3	3763282	0.00048216	7.88E-05	3.65E-05
8905	436987.5	3763278	0.000483376	7.90E-05	3.66E-05
8906	436978.7	3763274	0.000484779	7.92E-05	3.67E-05
8907	436970	3763271	0.000485621	7.93E-05	3.68E-05
8908	436957.5	3763258	0.000497687	8.13E-05	3.77E-05
8909	436953.9	3763250	0.000508349	8.30E-05	3.85E-05
8910	436950.3	3763241	0.000519293	8.48E-05	3.93E-05
8911	436946.6	3763232	0.00053061	8.67E-05	4.02E-05
8912	436943	3763223	0.000542114	8.86E-05	4.11E-05
8913	436939.3	3763215	0.000553619	9.04E-05	4.20E-05
8914	436935.7	3763206	0.000565217	9.23E-05	4.28E-05
8915	436932.1	3763197	0.000576815	9.42E-05	4.37E-05
8916	436928.4	3763188	0.000588413	9.61E-05	4.46E-05
8917	436924.8	3763180	0.000600011	9.80E-05	4.55E-05
8918	436921.1	3763171	0.000611516	9.99E-05	4.63E-05
8919	436917.5	3763162	0.000623955	1.02E-04	4.73E-05
8920	436913.9	3763153	0.000635273	1.04E-04	4.81E-05
8921	436910.2	3763144	0.000646403	1.06E-04	4.90E-05
8922	436906.6	3763136	0.00065744	1.07E-04	4.98E-05
8923	436903	3763127	0.000668196	1.09E-04	5.06E-05
8924	436899.3	3763118	0.000678766	1.11E-04	5.14E-05
8925	436895.7	3763109	0.000689054	1.13E-04	5.22E-05
8926	436892	3763101	0.000698969	1.14E-04	5.30E-05
8927	436888.4	3763092	0.000708415	1.16E-04	5.37E-05
8928	436884.8	3763083	0.000717581	1.17E-04	5.44E-05
8929	436881.1	3763074	0.00072628	1.19E-04	5.50E-05
8930	436877.5	3763065	0.000734604	1.20E-04	5.57E-05
8931	436873.9	3763057	0.000742461	1.21E-04	5.63E-05
8932	436870.2	3763048	0.000749944	1.23E-04	5.68E-05
8933	436866.6	3763039	0.000756865	1.24E-04	5.74E-05
8934	436862.9	3763030	0.000763225	1.25E-04	5.78E-05
8935	436859.3	3763022	0.000769118	1.26E-04	5.83E-05
8936	436855.7	3763013	0.000774356	1.27E-04	5.87E-05
8937	436852	3763004	0.000779032	1.27E-04	5.90E-05
8938	436848.4	3762995	0.000783241	1.28E-04	5.94E-05

8939	436844.7	3762987	0.000786796	1.29E-04	5.96E-05
8940	436841.1	3762978	0.000789789	1.29E-04	5.98E-05
8941	436837.5	3762969	0.00079222	1.29E-04	6.00E-05
8942	436833.8	3762960	0.000794091	1.30E-04	6.02E-05
8943	436830.2	3762951	0.000795401	1.30E-04	6.03E-05
8944	436826.6	3762943	0.000796242	1.30E-04	6.03E-05
8945	436822.9	3762934	0.000796523	1.30E-04	6.04E-05
8946	436819.3	3762925	0.000796336	1.30E-04	6.03E-05
8947	436815.6	3762916	0.000795681	1.30E-04	6.03E-05
8948	436812	3762908	0.000794559	1.30E-04	6.02E-05
8949	437365	3763434	0.000380397	6.21E-05	2.88E-05
8950	437374.6	3763434	0.000382735	6.25E-05	2.90E-05
8951	437384.3	3763434	0.000385073	6.29E-05	2.92E-05
8952	437393.9	3763434	0.000387505	6.33E-05	2.94E-05
8953	437403.6	3763434	0.000390031	6.37E-05	2.96E-05
8954	437413.2	3763434	0.000392837	6.42E-05	2.98E-05
8955	437422.9	3763434	0.000395549	6.46E-05	3.00E-05
8956	437432.5	3763434	0.000398168	6.50E-05	3.02E-05
8957	437442.2	3763434	0.0004006	6.54E-05	3.04E-05
8958	437451.8	3763434	0.000403125	6.59E-05	3.05E-05
8959	437461.5	3763434	0.000405744	6.63E-05	3.07E-05
8960	437471.1	3763434	0.000409766	6.69E-05	3.11E-05
8961	437480.8	3763434	0.000413975	6.76E-05	3.14E-05
8962	437490.4	3763433	0.00041809	6.83E-05	3.17E-05
8963	437500.1	3763433	0.000421738	6.89E-05	3.20E-05
8964	437509.7	3763433	0.000425479	6.95E-05	3.22E-05
8965	437519.4	3763433	0.000429221	7.01E-05	3.25E-05
8966	437529	3763433	0.000432214	7.06E-05	3.28E-05
8967	437538.7	3763433	0.0004353	7.11E-05	3.30E-05
8968	437548.3	3763433	0.000438387	7.16E-05	3.32E-05
8969	437356.2	3763460	0.000348783	5.70E-05	2.64E-05
8970	437347.3	3763456	0.000350186	5.72E-05	2.65E-05
8971	437338.5	3763453	0.000351963	5.75E-05	2.67E-05
8972	437329.6	3763449	0.000354488	5.79E-05	2.69E-05
8973	437320.8	3763445	0.000357107	5.83E-05	2.71E-05
8974	437311.9	3763442	0.000359913	5.88E-05	2.73E-05
8975	437303.1	3763438	0.000362626	5.92E-05	2.75E-05
8976	437294.2	3763435	0.000364309	5.95E-05	2.76E-05
8977	437285.3	3763431	0.000366086	5.98E-05	2.77E-05
8978	437276.5	3763427	0.000367863	6.01E-05	2.79E-05
8979	437267.6	3763424	0.000369734	6.04E-05	2.80E-05
8980	437258.8	3763420	0.000370482	6.05E-05	2.81E-05
8981	437249.9	3763416	0.00037095	6.06E-05	2.81E-05
8982	437241.1	3763413	0.000371324	6.07E-05	2.81E-05
8983	437232.2	3763409	0.000372072	6.08E-05	2.82E-05
8984	437223.4	3763405	0.000373101	6.10E-05	2.83E-05
8985	437214.5	3763402	0.000374878	6.12E-05	2.84E-05
8986	437205.6	3763398	0.000376936	6.16E-05	2.86E-05
8987	437196.8	3763394	0.000379274	6.20E-05	2.87E-05
8988	437187.9	3763391	0.000381893	6.24E-05	2.89E-05
8989	437143.7	3763372	0.000396578	6.48E-05	3.01E-05
8990	437134.8	3763369	0.000399571	6.53E-05	3.03E-05

8991	437125.9	3763365	0.000402377	6.57E-05	3.05E-05
8992	437117.1	3763361	0.000404809	6.61E-05	3.07E-05
8993	437108.2	3763358	0.000407054	6.65E-05	3.08E-05
8994	437099.4	3763354	0.000409298	6.69E-05	3.10E-05
8995	437090.5	3763351	0.000412385	6.74E-05	3.12E-05
8996	437081.7	3763347	0.000415752	6.79E-05	3.15E-05
8997	437072.8	3763343	0.000419119	6.85E-05	3.18E-05
8998	437064	3763340	0.000422206	6.90E-05	3.20E-05
8999	437055.1	3763336	0.000425012	6.94E-05	3.22E-05
9000	437046.2	3763332	0.000427537	6.98E-05	3.24E-05
9001	437037.4	3763329	0.000429688	7.02E-05	3.26E-05
9002	437028.5	3763325	0.000431559	7.05E-05	3.27E-05
9003	437019.7	3763321	0.000433336	7.08E-05	3.28E-05
9004	437010.8	3763318	0.000435207	7.11E-05	3.30E-05
9005	437002	3763314	0.00043689	7.14E-05	3.31E-05
9006	436993.1	3763310	0.0004382	7.16E-05	3.32E-05
9007	436984.3	3763307	0.000439322	7.18E-05	3.33E-05
9008	436975.4	3763303	0.000440071	7.19E-05	3.33E-05
9009	436966.5	3763299	0.000440912	7.20E-05	3.34E-05
9010	436957.7	3763296	0.000441848	7.22E-05	3.35E-05
9011	436948.8	3763292	0.000442689	7.23E-05	3.35E-05
9012	436936.3	3763280	0.000452884	7.40E-05	3.43E-05
9013	436932.6	3763271	0.00046308	7.57E-05	3.51E-05
9014	436929	3763262	0.000473368	7.73E-05	3.59E-05
9015	436925.3	3763253	0.00048375	7.90E-05	3.67E-05
9016	436921.6	3763244	0.000494319	8.08E-05	3.75E-05
9017	436918	3763235	0.000505076	8.25E-05	3.83E-05
9018	436914.3	3763227	0.000515645	8.42E-05	3.91E-05
9019	436910.6	3763218	0.00052584	8.59E-05	3.98E-05
9020	436906.9	3763209	0.000536315	8.76E-05	4.06E-05
9021	436903.3	3763200	0.000546978	8.94E-05	4.14E-05
9022	436899.6	3763191	0.000557173	9.10E-05	4.22E-05
9023	436895.9	3763182	0.000567275	9.27E-05	4.30E-05
9024	436892.3	3763173	0.000577376	9.43E-05	4.38E-05
9025	436888.6	3763165	0.000587852	9.60E-05	4.45E-05
9026	436884.9	3763156	0.000597953	9.77E-05	4.53E-05
9027	436881.3	3763147	0.000607587	9.93E-05	4.60E-05
9028	436877.6	3763138	0.000617034	1.01E-04	4.68E-05
9029	436873.9	3763129	0.0006262	1.02E-04	4.75E-05
9030	436870.2	3763120	0.000635179	1.04E-04	4.81E-05
9031	436866.6	3763111	0.000643878	1.05E-04	4.88E-05
9032	436862.9	3763103	0.000652202	1.07E-04	4.94E-05
9033	436859.2	3763094	0.000660153	1.08E-04	5.00E-05
9034	436855.6	3763085	0.000667729	1.09E-04	5.06E-05
9035	436851.9	3763076	0.000675024	1.10E-04	5.12E-05
9036	436848.2	3763067	0.000682039	1.11E-04	5.17E-05
9037	436844.6	3763058	0.000688586	1.12E-04	5.22E-05
9038	436840.9	3763050	0.000694666	1.13E-04	5.26E-05
9039	436837.2	3763041	0.000700278	1.14E-04	5.31E-05
9040	436833.5	3763032	0.000705422	1.15E-04	5.35E-05
9041	436829.9	3763023	0.000710005	1.16E-04	5.38E-05
9042	436826.2	3763014	0.000714121	1.17E-04	5.41E-05

9043	436822.5	3763005	0.000717862	1.17E-04	5.44E-05
9044	436818.9	3762996	0.000720949	1.18E-04	5.46E-05
9045	436815.2	3762988	0.000723755	1.18E-04	5.48E-05
9046	436811.5	3762979	0.000725999	1.19E-04	5.50E-05
9047	436807.8	3762970	0.000727776	1.19E-04	5.51E-05
9048	436804.2	3762961	0.000729086	1.19E-04	5.52E-05
9049	436800.5	3762952	0.000729928	1.19E-04	5.53E-05
9050	436796.8	3762943	0.000730302	1.19E-04	5.53E-05
9051	436793.2	3762935	0.000730208	1.19E-04	5.53E-05
9052	436789.5	3762926	0.000729741	1.19E-04	5.53E-05
9053	436785.8	3762917	0.000728899	1.19E-04	5.52E-05
9054	436782.2	3762908	0.000727683	1.19E-04	5.51E-05
9055	437365	3763464	0.000347754	5.68E-05	2.64E-05
9056	437374.7	3763464	0.000350653	5.73E-05	2.66E-05
9057	437384.3	3763464	0.000353366	5.77E-05	2.68E-05
9058	437394	3763464	0.000356172	5.82E-05	2.70E-05
9059	437403.7	3763464	0.00035851	5.86E-05	2.72E-05
9060	437413.3	3763464	0.000360381	5.89E-05	2.73E-05
9061	437423	3763464	0.000362345	5.92E-05	2.75E-05
9062	437432.6	3763464	0.000364122	5.95E-05	2.76E-05
9063	437442.3	3763464	0.000365245	5.97E-05	2.77E-05
9064	437451.9	3763464	0.00036646	5.99E-05	2.78E-05
9065	437461.6	3763464	0.000367957	6.01E-05	2.79E-05
9066	437471.2	3763464	0.00037095	6.06E-05	2.81E-05
9067	437480.9	3763464	0.000373943	6.11E-05	2.83E-05
9068	437490.5	3763463	0.00037703	6.16E-05	2.86E-05
9069	437500.2	3763463	0.000380116	6.21E-05	2.88E-05
9070	437509.8	3763463	0.000383109	6.26E-05	2.90E-05
9071	437519.5	3763463	0.000386289	6.31E-05	2.93E-05
9072	437529.1	3763463	0.000389282	6.36E-05	2.95E-05
9073	437538.8	3763463	0.000392369	6.41E-05	2.97E-05
9074	437548.4	3763463	0.000395549	6.46E-05	3.00E-05
9075	437356.2	3763500	0.000308844	5.05E-05	2.34E-05
9076	437347.4	3763496	0.000309967	5.06E-05	2.35E-05
9077	437338.5	3763493	0.000311089	5.08E-05	2.36E-05
9078	437329.6	3763489	0.000312399	5.10E-05	2.37E-05
9079	437320.7	3763485	0.000314082	5.13E-05	2.38E-05
9080	437311.8	3763482	0.000316046	5.16E-05	2.39E-05
9081	437302.9	3763478	0.000318291	5.20E-05	2.41E-05
9082	437294	3763474	0.000320723	5.24E-05	2.43E-05
9083	437285.1	3763471	0.000323248	5.28E-05	2.45E-05
9084	437276.2	3763467	0.000325026	5.31E-05	2.46E-05
9085	437267.3	3763463	0.000326054	5.33E-05	2.47E-05
9086	437258.4	3763460	0.000327177	5.34E-05	2.48E-05
9087	437249.6	3763456	0.00032858	5.37E-05	2.49E-05
9088	437240.7	3763452	0.000328954	5.37E-05	2.49E-05
9089	437231.8	3763449	0.000329422	5.38E-05	2.50E-05
9090	437222.9	3763445	0.000329889	5.39E-05	2.50E-05
9091	437214	3763441	0.000328299	5.36E-05	2.49E-05
9092	437205.1	3763438	0.000329796	5.39E-05	2.50E-05
9093	437196.2	3763434	0.000331199	5.41E-05	2.51E-05
9094	437187.3	3763430	0.000333163	5.44E-05	2.52E-05

9095	437142.9	3763412	0.00034897	5.70E-05	2.64E-05
9096	437134	3763408	0.000351402	5.74E-05	2.66E-05
9097	437125.1	3763405	0.000353927	5.78E-05	2.68E-05
9098	437116.2	3763401	0.000356452	5.82E-05	2.70E-05
9099	437107.3	3763397	0.000358978	5.86E-05	2.72E-05
9100	437098.4	3763394	0.000361503	5.91E-05	2.74E-05
9101	437089.5	3763390	0.000363935	5.95E-05	2.76E-05
9102	437080.6	3763386	0.000366367	5.99E-05	2.78E-05
9103	437071.8	3763383	0.000368799	6.02E-05	2.79E-05
9104	437062.9	3763379	0.000371605	6.07E-05	2.82E-05
9105	437054	3763375	0.000374411	6.12E-05	2.84E-05
9106	437045.1	3763372	0.00037731	6.16E-05	2.86E-05
9107	437036.2	3763368	0.000379929	6.21E-05	2.88E-05
9108	437027.3	3763364	0.000382267	6.24E-05	2.90E-05
9109	437018.4	3763361	0.000384419	6.28E-05	2.91E-05
9110	437009.5	3763357	0.000386383	6.31E-05	2.93E-05
9111	437000.6	3763353	0.000388628	6.35E-05	2.94E-05
9112	436991.7	3763350	0.000390779	6.38E-05	2.96E-05
9113	436982.8	3763346	0.00039265	6.41E-05	2.98E-05
9114	436974	3763342	0.000394053	6.44E-05	2.99E-05
9115	436965.1	3763339	0.000395081	6.45E-05	2.99E-05
9116	436956.2	3763335	0.000395643	6.46E-05	3.00E-05
9117	436947.3	3763331	0.000395923	6.47E-05	3.00E-05
9118	436938.4	3763328	0.000396578	6.48E-05	3.01E-05
9119	436929.5	3763324	0.000397233	6.49E-05	3.01E-05
9120	436920.6	3763320	0.000397981	6.50E-05	3.02E-05
9121	436908	3763308	0.00040537	6.62E-05	3.07E-05
9122	436904.4	3763299	0.000413227	6.75E-05	3.13E-05
9123	436900.7	3763290	0.00042127	6.88E-05	3.19E-05
9124	436897	3763281	0.000429876	7.02E-05	3.26E-05
9125	436893.3	3763272	0.000438387	7.16E-05	3.32E-05
9126	436889.6	3763263	0.000446898	7.30E-05	3.39E-05
9127	436885.9	3763255	0.000455878	7.45E-05	3.45E-05
9128	436882.2	3763246	0.00046495	7.60E-05	3.52E-05
9129	436878.6	3763237	0.000474023	7.74E-05	3.59E-05
9130	436874.9	3763228	0.000482908	7.89E-05	3.66E-05
9131	436871.2	3763219	0.000491981	8.04E-05	3.73E-05
9132	436867.5	3763210	0.000501054	8.19E-05	3.80E-05
9133	436863.8	3763201	0.000510033	8.33E-05	3.86E-05
9134	436860.1	3763192	0.000519012	8.48E-05	3.93E-05
9135	436856.5	3763184	0.000528178	8.63E-05	4.00E-05
9136	436852.8	3763175	0.000537251	8.78E-05	4.07E-05
9137	436849.1	3763166	0.000546043	8.92E-05	4.14E-05
9138	436845.4	3763157	0.000554461	9.06E-05	4.20E-05
9139	436841.7	3763148	0.000562411	9.19E-05	4.26E-05
9140	436838	3763139	0.000570081	9.31E-05	4.32E-05
9141	436834.3	3763130	0.00057747	9.43E-05	4.38E-05
9142	436830.7	3763121	0.000584578	9.55E-05	4.43E-05
9143	436827	3763112	0.000591406	9.66E-05	4.48E-05
9144	436823.3	3763104	0.000597953	9.77E-05	4.53E-05
9145	436819.6	3763095	0.000604127	9.87E-05	4.58E-05
9146	436815.9	3763086	0.000609832	9.96E-05	4.62E-05

9147	436812.2	3763077	0.000615257	1.01E-04	4.66E-05
9148	436808.6	3763068	0.000620962	1.01E-04	4.71E-05
9149	436804.9	3763059	0.000625826	1.02E-04	4.74E-05
9150	436801.2	3763050	0.000630409	1.03E-04	4.78E-05
9151	436797.5	3763041	0.000634431	1.04E-04	4.81E-05
9152	436793.8	3763033	0.000638172	1.04E-04	4.84E-05
9153	436790.1	3763024	0.000641446	1.05E-04	4.86E-05
9154	436786.4	3763015	0.000644346	1.05E-04	4.88E-05
9155	436782.8	3763006	0.000646871	1.06E-04	4.90E-05
9156	436779.1	3762997	0.000649022	1.06E-04	4.92E-05
9157	436775.4	3762988	0.000650799	1.06E-04	4.93E-05
9158	437365.1	3763504	0.000307722	5.03E-05	2.33E-05
9159	437374.8	3763504	0.000309967	5.06E-05	2.35E-05
9160	437384.4	3763504	0.000312399	5.10E-05	2.37E-05
9161	437394.1	3763504	0.00031483	5.14E-05	2.39E-05
9162	437403.7	3763504	0.000317075	5.18E-05	2.40E-05
9163	437413.4	3763504	0.000319039	5.21E-05	2.42E-05
9164	437423	3763504	0.000321004	5.24E-05	2.43E-05
9165	437432.7	3763504	0.000322874	5.27E-05	2.45E-05
9166	437442.3	3763504	0.000324745	5.31E-05	2.46E-05
9167	437452	3763504	0.000326616	5.34E-05	2.47E-05
9168	437461.6	3763504	0.000328393	5.36E-05	2.49E-05
9169	437471.3	3763504	0.000330076	5.39E-05	2.50E-05
9170	437480.9	3763504	0.000331853	5.42E-05	2.51E-05
9171	437490.6	3763503	0.000333631	5.45E-05	2.53E-05
9172	437500.2	3763503	0.000335875	5.49E-05	2.55E-05
9173	437509.9	3763503	0.000338214	5.53E-05	2.56E-05
9174	437519.5	3763503	0.000340645	5.56E-05	2.58E-05
9175	437529.2	3763503	0.000343264	5.61E-05	2.60E-05
9176	437538.8	3763503	0.000345977	5.65E-05	2.62E-05
9177	437548.5	3763503	0.000348689	5.70E-05	2.64E-05
9178	437356.3	3763540	0.000277417	4.53E-05	2.10E-05
9179	437347.4	3763536	0.000278072	4.54E-05	2.11E-05
9180	437338.5	3763533	0.00027882	4.55E-05	2.11E-05
9181	437329.5	3763529	0.000279756	4.57E-05	2.12E-05
9182	437320.6	3763525	0.000280598	4.58E-05	2.13E-05
9183	437311.7	3763522	0.000281533	4.60E-05	2.13E-05
9184	437302.8	3763518	0.000282562	4.62E-05	2.14E-05
9185	437293.8	3763514	0.000283778	4.64E-05	2.15E-05
9186	437284.9	3763511	0.000285087	4.66E-05	2.16E-05
9187	437276	3763507	0.000286303	4.68E-05	2.17E-05
9188	437267.1	3763503	0.000286864	4.69E-05	2.17E-05
9189	437258.2	3763500	0.000287332	4.69E-05	2.18E-05
9190	437249.2	3763496	0.000287987	4.70E-05	2.18E-05
9191	437240.3	3763492	0.000288828	4.72E-05	2.19E-05
9192	437231.4	3763489	0.000289577	4.73E-05	2.19E-05
9193	437222.5	3763485	0.000290044	4.74E-05	2.20E-05
9194	437213.6	3763481	0.000291541	4.76E-05	2.21E-05
9195	437204.6	3763478	0.000293505	4.79E-05	2.22E-05
9196	437195.7	3763474	0.00029575	4.83E-05	2.24E-05
9197	437186.8	3763470	0.000297995	4.87E-05	2.26E-05
9198	437142.2	3763452	0.000311931	5.10E-05	2.36E-05

9199	437133.3	3763448	0.000313895	5.13E-05	2.38E-05
9200	437124.3	3763444	0.000315672	5.16E-05	2.39E-05
9201	437115.4	3763441	0.000313989	5.13E-05	2.38E-05
9202	437106.5	3763437	0.000315672	5.16E-05	2.39E-05
9203	437097.6	3763433	0.000317636	5.19E-05	2.41E-05
9204	437088.7	3763430	0.000320068	5.23E-05	2.43E-05
9205	437079.7	3763426	0.000322594	5.27E-05	2.44E-05
9206	437070.8	3763422	0.000324932	5.31E-05	2.46E-05
9207	437061.9	3763419	0.000329609	5.38E-05	2.50E-05
9208	437053	3763415	0.000332134	5.43E-05	2.52E-05
9209	437044.1	3763411	0.000334753	5.47E-05	2.54E-05
9210	437035.1	3763408	0.000337278	5.51E-05	2.56E-05
9211	437026.2	3763404	0.00033971	5.55E-05	2.57E-05
9212	437017.3	3763400	0.000342048	5.59E-05	2.59E-05
9213	437008.4	3763397	0.00034448	5.63E-05	2.61E-05
9214	436999.4	3763393	0.000346819	5.67E-05	2.63E-05
9215	436990.5	3763389	0.000349063	5.70E-05	2.65E-05
9216	436981.6	3763386	0.000351402	5.74E-05	2.66E-05
9217	436972.7	3763382	0.000353646	5.78E-05	2.68E-05
9218	436963.8	3763378	0.000355143	5.80E-05	2.69E-05
9219	436954.8	3763375	0.000356359	5.82E-05	2.70E-05
9220	436945.9	3763371	0.000357481	5.84E-05	2.71E-05
9221	436937	3763367	0.00035851	5.86E-05	2.72E-05
9222	436928.1	3763363	0.000359539	5.87E-05	2.72E-05
9223	436919.2	3763360	0.000360381	5.89E-05	2.73E-05
9224	436910.2	3763356	0.000361223	5.90E-05	2.74E-05
9225	436901.3	3763352	0.000360848	5.90E-05	2.73E-05
9226	436892.4	3763349	0.000360381	5.89E-05	2.73E-05
9227	436879.8	3763336	0.000366554	5.99E-05	2.78E-05
9228	436876.1	3763327	0.000373288	6.10E-05	2.83E-05
9229	436872.4	3763318	0.00038021	6.21E-05	2.88E-05
9230	436868.7	3763309	0.000387038	6.32E-05	2.93E-05
9231	436865	3763301	0.000393865	6.43E-05	2.98E-05
9232	436861.3	3763292	0.0004006	6.54E-05	3.04E-05
9233	436857.6	3763283	0.000408363	6.67E-05	3.09E-05
9234	436853.9	3763274	0.000416594	6.81E-05	3.16E-05
9235	436850.2	3763265	0.000424825	6.94E-05	3.22E-05
9236	436846.5	3763256	0.000432775	7.07E-05	3.28E-05
9237	436842.8	3763247	0.000440071	7.19E-05	3.33E-05
9238	436839.1	3763238	0.000447273	7.31E-05	3.39E-05
9239	436835.4	3763229	0.000454287	7.42E-05	3.44E-05
9240	436831.7	3763220	0.000462238	7.55E-05	3.50E-05
9241	436828	3763211	0.000470094	7.68E-05	3.56E-05
9242	436824.3	3763202	0.000477951	7.81E-05	3.62E-05
9243	436820.6	3763194	0.000485808	7.94E-05	3.68E-05
9244	436816.9	3763185	0.000493852	8.07E-05	3.74E-05
9245	436813.2	3763176	0.000501989	8.20E-05	3.80E-05
9246	436809.5	3763167	0.000508723	8.31E-05	3.85E-05
9247	436805.8	3763158	0.000515177	8.42E-05	3.90E-05
9248	436802.1	3763149	0.000521537	8.52E-05	3.95E-05
9249	436798.4	3763140	0.00052771	8.62E-05	4.00E-05
9250	436794.7	3763131	0.000533603	8.72E-05	4.04E-05

9251	436791	3763122	0.000539215	8.81E-05	4.09E-05
9252	436787.3	3763113	0.00054464	8.90E-05	4.13E-05
9253	436783.6	3763104	0.000549784	8.98E-05	4.17E-05
9254	436779.9	3763095	0.000554648	9.06E-05	4.20E-05
9255	436776.2	3763087	0.000559137	9.13E-05	4.24E-05
9256	436731.9	3762980	0.000584204	9.54E-05	4.43E-05
9257	436728.2	3762971	0.000584952	9.56E-05	4.43E-05
9258	436724.5	3762962	0.000585233	9.56E-05	4.43E-05
9259	436720.8	3762953	0.000586636	9.58E-05	4.45E-05
9260	436717.1	3762944	0.000587852	9.60E-05	4.45E-05
9261	436713.4	3762935	0.00058832	9.61E-05	4.46E-05
9262	436709.7	3762926	0.000588226	9.61E-05	4.46E-05
9263	436706	3762917	0.000587665	9.60E-05	4.45E-05
9264	436702.3	3762908	0.000586449	9.58E-05	4.44E-05
9265	437365.2	3763544	0.000276856	4.52E-05	2.10E-05
9266	437374.9	3763544	0.000279195	4.56E-05	2.12E-05
9267	437384.5	3763544	0.000281626	4.60E-05	2.13E-05
9268	437394.2	3763544	0.000284245	4.64E-05	2.15E-05
9269	437403.8	3763544	0.000286584	4.68E-05	2.17E-05
9270	437413.5	3763544	0.000288735	4.72E-05	2.19E-05
9271	437423.1	3763544	0.000290886	4.75E-05	2.20E-05
9272	437432.8	3763544	0.00029285	4.78E-05	2.22E-05
9273	437442.4	3763544	0.00029444	4.81E-05	2.23E-05
9274	437452.1	3763544	0.00029603	4.84E-05	2.24E-05
9275	437461.7	3763544	0.000297433	4.86E-05	2.25E-05
9276	437471.4	3763544	0.000298556	4.88E-05	2.26E-05
9277	437481	3763544	0.000299585	4.89E-05	2.27E-05
9278	437490.7	3763543	0.000300614	4.91E-05	2.28E-05
9279	437500.3	3763543	0.000301923	4.93E-05	2.29E-05
9280	437510	3763543	0.000303232	4.95E-05	2.30E-05
9281	437519.6	3763543	0.000304542	4.98E-05	2.31E-05
9282	437529.3	3763543	0.000306787	5.01E-05	2.32E-05
9283	437538.9	3763543	0.000309219	5.05E-05	2.34E-05
9284	437548.6	3763543	0.000311744	5.09E-05	2.36E-05
9285	437356.5	3763580	0.000252912	4.13E-05	1.92E-05
9286	437347.7	3763576	0.000253193	4.14E-05	1.92E-05
9287	437338.9	3763573	0.000253286	4.14E-05	1.92E-05
9288	437330.1	3763569	0.00025366	4.14E-05	1.92E-05
9289	437321.3	3763566	0.000254034	4.15E-05	1.92E-05
9290	437312.5	3763562	0.000254502	4.16E-05	1.93E-05
9291	437303.7	3763558	0.000255157	4.17E-05	1.93E-05
9292	437294.9	3763555	0.000255999	4.18E-05	1.94E-05
9293	437286.1	3763551	0.00025684	4.20E-05	1.95E-05
9294	437277.4	3763547	0.000257589	4.21E-05	1.95E-05
9295	437268.6	3763544	0.000258243	4.22E-05	1.96E-05
9296	437259.8	3763540	0.000258992	4.23E-05	1.96E-05
9297	437251	3763537	0.000259646	4.24E-05	1.97E-05
9298	437242.2	3763533	0.000260208	4.25E-05	1.97E-05
9299	437233.4	3763529	0.000260675	4.26E-05	1.98E-05
9300	437224.6	3763526	0.000261236	4.27E-05	1.98E-05
9301	437215.8	3763522	0.000262078	4.28E-05	1.99E-05
9302	437207	3763518	0.000263575	4.31E-05	2.00E-05

9303	437198.2	3763515	0.000265071	4.33E-05	2.01E-05
9304	437189.4	3763511	0.000266755	4.36E-05	2.02E-05
9305	437145.4	3763493	0.000276108	4.51E-05	2.09E-05
9306	437136.6	3763489	0.000277885	4.54E-05	2.11E-05
9307	437127.8	3763486	0.000279849	4.57E-05	2.12E-05
9308	437119.1	3763482	0.000282001	4.61E-05	2.14E-05
9309	437110.3	3763479	0.000286864	4.69E-05	2.17E-05
9310	437101.5	3763475	0.000288641	4.72E-05	2.19E-05
9311	437092.7	3763471	0.000290419	4.74E-05	2.20E-05
9312	437083.9	3763468	0.000292009	4.77E-05	2.21E-05
9313	437075.1	3763464	0.000293599	4.80E-05	2.22E-05
9314	437066.3	3763460	0.000292663	4.78E-05	2.22E-05
9315	437057.5	3763457	0.00029416	4.81E-05	2.23E-05
9316	437048.7	3763453	0.00029575	4.83E-05	2.24E-05
9317	437039.9	3763450	0.000297433	4.86E-05	2.25E-05
9318	437031.1	3763446	0.000300052	4.90E-05	2.27E-05
9319	437022.3	3763442	0.000303981	4.97E-05	2.30E-05
9320	437013.5	3763439	0.000306506	5.01E-05	2.32E-05
9321	437004.7	3763435	0.00030847	5.04E-05	2.34E-05
9322	436995.9	3763431	0.000310247	5.07E-05	2.35E-05
9323	436987.1	3763428	0.000312118	5.10E-05	2.37E-05
9324	436978.3	3763424	0.000314082	5.13E-05	2.38E-05
9325	436969.5	3763421	0.000316233	5.17E-05	2.40E-05
9326	436960.7	3763417	0.000318291	5.20E-05	2.41E-05
9327	436952	3763413	0.000320442	5.23E-05	2.43E-05
9328	436943.2	3763410	0.000322126	5.26E-05	2.44E-05
9329	436934.4	3763406	0.000323435	5.28E-05	2.45E-05
9330	436925.6	3763402	0.000324745	5.31E-05	2.46E-05
9331	436916.8	3763399	0.00032568	5.32E-05	2.47E-05
9332	436908	3763395	0.000325961	5.33E-05	2.47E-05
9333	436899.2	3763392	0.000326054	5.33E-05	2.47E-05
9334	436890.4	3763388	0.000326148	5.33E-05	2.47E-05
9335	436881.6	3763384	0.000326335	5.33E-05	2.47E-05
9336	436872.8	3763381	0.000326616	5.34E-05	2.47E-05
9337	436864	3763377	0.000326803	5.34E-05	2.48E-05
9338	436851.6	3763365	0.000332695	5.44E-05	2.52E-05
9339	436847.9	3763356	0.000338494	5.53E-05	2.56E-05
9340	436844.3	3763347	0.00034448	5.63E-05	2.61E-05
9341	436840.6	3763338	0.000350747	5.73E-05	2.66E-05
9342	436837	3763329	0.000357201	5.84E-05	2.71E-05
9343	436833.3	3763321	0.000363748	5.94E-05	2.76E-05
9344	436829.7	3763312	0.000370108	6.05E-05	2.80E-05
9345	436826.1	3763303	0.000376655	6.15E-05	2.85E-05
9346	436822.4	3763294	0.000383203	6.26E-05	2.90E-05
9347	436818.8	3763286	0.000389937	6.37E-05	2.95E-05
9348	436815.1	3763277	0.000396765	6.48E-05	3.01E-05
9349	436811.5	3763268	0.000403406	6.59E-05	3.06E-05
9350	436807.8	3763259	0.000409953	6.70E-05	3.11E-05
9351	436804.2	3763250	0.000416126	6.80E-05	3.15E-05
9352	436800.5	3763242	0.000422393	6.90E-05	3.20E-05
9353	436796.9	3763233	0.000428472	7.00E-05	3.25E-05
9354	436793.3	3763224	0.000434459	7.10E-05	3.29E-05

9355	436789.6	3763215	0.000440725	7.20E-05	3.34E-05
9356	436786	3763206	0.000447179	7.31E-05	3.39E-05
9357	436782.3	3763198	0.000453913	7.42E-05	3.44E-05
9358	436742.2	3763101	0.000507414	8.29E-05	3.84E-05
9359	436738.6	3763092	0.00051022	8.34E-05	3.87E-05
9360	436734.9	3763083	0.000513119	8.38E-05	3.89E-05
9361	436731.3	3763075	0.000516206	8.43E-05	3.91E-05
9362	436727.6	3763066	0.000519386	8.48E-05	3.94E-05
9363	436724	3763057	0.000522286	8.53E-05	3.96E-05
9364	436720.4	3763048	0.000525092	8.58E-05	3.98E-05
9365	436716.7	3763039	0.000528085	8.63E-05	4.00E-05
9366	436713.1	3763031	0.000530516	8.67E-05	4.02E-05
9367	436709.4	3763022	0.000532106	8.69E-05	4.03E-05
9368	436705.8	3763013	0.000533416	8.71E-05	4.04E-05
9369	436702.1	3763004	0.000534445	8.73E-05	4.05E-05
9370	436698.5	3762996	0.000535287	8.74E-05	4.06E-05
9371	436694.8	3762987	0.000535848	8.75E-05	4.06E-05
9372	436691.2	3762978	0.000536128	8.76E-05	4.06E-05
9373	436687.5	3762969	0.000536315	8.76E-05	4.06E-05
9374	436683.9	3762960	0.000536222	8.76E-05	4.06E-05
9375	436680.3	3762952	0.000535848	8.75E-05	4.06E-05
9376	436676.6	3762943	0.000535287	8.74E-05	4.06E-05
9377	436673	3762934	0.000534538	8.73E-05	4.05E-05
9378	436669.3	3762925	0.000533697	8.72E-05	4.04E-05
9379	436665.7	3762916	0.000532668	8.70E-05	4.04E-05
9380	437365.3	3763584	0.000252631	4.13E-05	1.91E-05
9381	437374.9	3763584	0.000254502	4.16E-05	1.93E-05
9382	437384.6	3763584	0.000256373	4.19E-05	1.94E-05
9383	437394.2	3763584	0.000258243	4.22E-05	1.96E-05
9384	437403.9	3763584	0.000260208	4.25E-05	1.97E-05
9385	437413.5	3763584	0.000262078	4.28E-05	1.99E-05
9386	437423.2	3763584	0.000264042	4.31E-05	2.00E-05
9387	437432.9	3763584	0.000265819	4.34E-05	2.01E-05
9388	437442.5	3763584	0.00026741	4.37E-05	2.03E-05
9389	437452.2	3763584	0.000269093	4.40E-05	2.04E-05
9390	437461.8	3763584	0.00027059	4.42E-05	2.05E-05
9391	437471.5	3763584	0.000271806	4.44E-05	2.06E-05
9392	437481.1	3763584	0.000272928	4.46E-05	2.07E-05
9393	437490.8	3763583	0.000274144	4.48E-05	2.08E-05
9394	437500.4	3763583	0.000274986	4.49E-05	2.08E-05
9395	437510.1	3763583	0.000275827	4.51E-05	2.09E-05
9396	437519.7	3763583	0.000276669	4.52E-05	2.10E-05
9397	437529.4	3763583	0.000278353	4.55E-05	2.11E-05
9398	437539	3763583	0.00028013	4.58E-05	2.12E-05
9399	437548.7	3763583	0.000282001	4.61E-05	2.14E-05
9400	437356.6	3763620	0.000232615	3.80E-05	1.76E-05
9401	437347.7	3763616	0.00023299	3.81E-05	1.77E-05
9402	437338.9	3763613	0.000233364	3.81E-05	1.77E-05
9403	437330.1	3763609	0.000233644	3.82E-05	1.77E-05
9404	437321.2	3763606	0.000233831	3.82E-05	1.77E-05
9405	437312.4	3763602	0.000233925	3.82E-05	1.77E-05
9406	437303.6	3763598	0.000234393	3.83E-05	1.78E-05

9407	437294.8	3763595	0.00023486	3.84E-05	1.78E-05
9408	437285.9	3763591	0.000235421	3.85E-05	1.78E-05
9409	437277.1	3763587	0.000236076	3.86E-05	1.79E-05
9410	437268.3	3763584	0.000236824	3.87E-05	1.79E-05
9411	437259.5	3763580	0.000237479	3.88E-05	1.80E-05
9412	437250.6	3763576	0.000238134	3.89E-05	1.80E-05
9413	437241.8	3763573	0.000238321	3.89E-05	1.81E-05
9414	437233	3763569	0.000238601	3.90E-05	1.81E-05
9415	437224.2	3763566	0.000238882	3.90E-05	1.81E-05
9416	437215.3	3763562	0.00023935	3.91E-05	1.81E-05
9417	437206.5	3763558	0.000239911	3.92E-05	1.82E-05
9418	437197.7	3763555	0.000240659	3.93E-05	1.82E-05
9419	437188.8	3763551	0.000241688	3.95E-05	1.83E-05
9420	437144.7	3763533	0.000247487	4.04E-05	1.88E-05
9421	437135.9	3763529	0.000248797	4.06E-05	1.89E-05
9422	437127.1	3763525	0.000250574	4.09E-05	1.90E-05
9423	437118.2	3763522	0.000252725	4.13E-05	1.92E-05
9424	437109.4	3763518	0.00025497	4.17E-05	1.93E-05
9425	437100.6	3763515	0.000257402	4.21E-05	1.95E-05
9426	437091.8	3763511	0.000259646	4.24E-05	1.97E-05
9427	437082.9	3763507	0.000264416	4.32E-05	2.00E-05
9428	437074.1	3763504	0.0002661	4.35E-05	2.02E-05
9429	437065.3	3763500	0.00026769	4.37E-05	2.03E-05
9430	437056.5	3763496	0.000269093	4.40E-05	2.04E-05
9431	437047.6	3763493	0.000270496	4.42E-05	2.05E-05
9432	437038.8	3763489	0.000269841	4.41E-05	2.04E-05
9433	437030	3763485	0.000271618	4.44E-05	2.06E-05
9434	437021.1	3763482	0.000274892	4.49E-05	2.08E-05
9435	437012.3	3763478	0.000276576	4.52E-05	2.10E-05
9436	437003.5	3763475	0.000278259	4.55E-05	2.11E-05
9437	436994.7	3763471	0.000280036	4.57E-05	2.12E-05
9438	436985.8	3763467	0.00028172	4.60E-05	2.13E-05
9439	436977	3763464	0.000283216	4.63E-05	2.15E-05
9440	436968.2	3763460	0.00028462	4.65E-05	2.16E-05
9441	436959.4	3763456	0.000286116	4.67E-05	2.17E-05
9442	436950.5	3763453	0.000287613	4.70E-05	2.18E-05
9443	436941.7	3763449	0.000288922	4.72E-05	2.19E-05
9444	436932.9	3763445	0.000290138	4.74E-05	2.20E-05
9445	436924.1	3763442	0.000291354	4.76E-05	2.21E-05
9446	436915.2	3763438	0.000292663	4.78E-05	2.22E-05
9447	436906.4	3763434	0.000293786	4.80E-05	2.23E-05
9448	436897.6	3763431	0.000294815	4.82E-05	2.23E-05
9449	436888.7	3763427	0.00029575	4.83E-05	2.24E-05
9450	436879.9	3763424	0.000296311	4.84E-05	2.25E-05
9451	436871.1	3763420	0.000296592	4.85E-05	2.25E-05
9452	436862.3	3763416	0.000296685	4.85E-05	2.25E-05
9453	436853.4	3763413	0.000297153	4.85E-05	2.25E-05
9454	436844.6	3763409	0.000297621	4.86E-05	2.26E-05
9455	436835.8	3763405	0.000298275	4.87E-05	2.26E-05
9456	436823.3	3763393	0.000303981	4.97E-05	2.30E-05
9457	436819.6	3763384	0.000309125	5.05E-05	2.34E-05
9458	436816	3763375	0.000314363	5.14E-05	2.38E-05

9459	436812.3	3763366	0.000319694	5.22E-05	2.42E-05
9460	436808.7	3763358	0.000325119	5.31E-05	2.46E-05
9461	436805	3763349	0.000330637	5.40E-05	2.51E-05
9462	436801.4	3763340	0.000336811	5.50E-05	2.55E-05
9463	436797.7	3763331	0.000343077	5.60E-05	2.60E-05
9464	436794	3763322	0.000349344	5.71E-05	2.65E-05
9465	436790.4	3763314	0.000355049	5.80E-05	2.69E-05
9466	436786.7	3763305	0.000360661	5.89E-05	2.73E-05
9467	436783.1	3763296	0.000366367	5.99E-05	2.78E-05
9468	436742.8	3763199	0.000424638	6.94E-05	3.22E-05
9469	436739.2	3763190	0.000430811	7.04E-05	3.26E-05
9470	436735.5	3763181	0.000436049	7.12E-05	3.30E-05
9471	436731.8	3763172	0.000440538	7.20E-05	3.34E-05
9472	436728.2	3763164	0.000444841	7.27E-05	3.37E-05
9473	436724.5	3763155	0.00044905	7.34E-05	3.40E-05
9474	436720.9	3763146	0.000453072	7.40E-05	3.43E-05
9475	436717.2	3763137	0.000456906	7.46E-05	3.46E-05
9476	436713.6	3763128	0.000460461	7.52E-05	3.49E-05
9477	436709.9	3763119	0.000463828	7.58E-05	3.51E-05
9478	436706.2	3763111	0.000467008	7.63E-05	3.54E-05
9479	436702.6	3763102	0.000470094	7.68E-05	3.56E-05
9480	436698.9	3763093	0.000472807	7.72E-05	3.58E-05
9481	436695.3	3763084	0.000475426	7.77E-05	3.60E-05
9482	436691.6	3763075	0.000477764	7.81E-05	3.62E-05
9483	436687.9	3763067	0.000479915	7.84E-05	3.64E-05
9484	436684.3	3763058	0.00048188	7.87E-05	3.65E-05
9485	436680.6	3763049	0.000483657	7.90E-05	3.66E-05
9486	436677	3763040	0.000485247	7.93E-05	3.68E-05
9487	436673.3	3763031	0.000486556	7.95E-05	3.69E-05
9488	436669.7	3763022	0.000487585	7.97E-05	3.69E-05
9489	436666	3763014	0.000488427	7.98E-05	3.70E-05
9490	436662.3	3763005	0.000488988	7.99E-05	3.71E-05
9491	436658.7	3762996	0.000489456	8.00E-05	3.71E-05
9492	436655	3762987	0.000489643	8.00E-05	3.71E-05
9493	436651.4	3762978	0.000489643	8.00E-05	3.71E-05
9494	436647.7	3762970	0.000489549	8.00E-05	3.71E-05
9495	436644	3762961	0.000489175	7.99E-05	3.71E-05
9496	436640.4	3762952	0.000488707	7.98E-05	3.70E-05
9497	436636.7	3762943	0.000488146	7.97E-05	3.70E-05
9498	436633.1	3762934	0.000487492	7.96E-05	3.69E-05
9499	436629.4	3762925	0.000486556	7.95E-05	3.69E-05
9500	436625.8	3762917	0.000485621	7.93E-05	3.68E-05
9501	437365.4	3763624	0.000232148	3.79E-05	1.76E-05
9502	437375	3763624	0.000233457	3.81E-05	1.77E-05
9503	437384.7	3763624	0.000234767	3.84E-05	1.78E-05
9504	437394.3	3763624	0.000236076	3.86E-05	1.79E-05
9505	437404	3763624	0.000237479	3.88E-05	1.80E-05
9506	437413.6	3763624	0.000238976	3.90E-05	1.81E-05
9507	437423.3	3763624	0.000240566	3.93E-05	1.82E-05
9508	437432.9	3763624	0.000242156	3.96E-05	1.83E-05
9509	437442.6	3763624	0.000243746	3.98E-05	1.85E-05
9510	437452.2	3763624	0.000245429	4.01E-05	1.86E-05

9511	437461.9	3763624	0.000247019	4.04E-05	1.87E-05
9512	437471.5	3763624	0.000248516	4.06E-05	1.88E-05
9513	437481.2	3763624	0.000250012	4.08E-05	1.89E-05
9514	437490.8	3763623	0.000251415	4.11E-05	1.91E-05
9515	437500.5	3763623	0.000252538	4.13E-05	1.91E-05
9516	437510.1	3763623	0.000253567	4.14E-05	1.92E-05
9517	437519.8	3763623	0.000254689	4.16E-05	1.93E-05
9518	437529.4	3763623	0.000256186	4.19E-05	1.94E-05
9519	437539.1	3763623	0.000257682	4.21E-05	1.95E-05
9520	437548.7	3763623	0.000259179	4.23E-05	1.96E-05
9521	437356.6	3763660	0.000214844	3.51E-05	1.63E-05
9522	437347.8	3763656	0.000215405	3.52E-05	1.63E-05
9523	437338.9	3763653	0.00021606	3.53E-05	1.64E-05
9524	437330	3763649	0.000216341	3.53E-05	1.64E-05
9525	437321.2	3763645	0.000216528	3.54E-05	1.64E-05
9526	437312.3	3763642	0.000216715	3.54E-05	1.64E-05
9527	437303.5	3763638	0.000217089	3.55E-05	1.65E-05
9528	437294.6	3763635	0.000217557	3.55E-05	1.65E-05
9529	437285.8	3763631	0.000218024	3.56E-05	1.65E-05
9530	437276.9	3763627	0.000218492	3.57E-05	1.66E-05
9531	437268.1	3763624	0.000219147	3.58E-05	1.66E-05
9532	437259.2	3763620	0.000219989	3.59E-05	1.67E-05
9533	437250.3	3763616	0.000220737	3.61E-05	1.67E-05
9534	437241.5	3763613	0.000220924	3.61E-05	1.67E-05
9535	437232.6	3763609	0.000221111	3.61E-05	1.68E-05
9536	437223.8	3763605	0.000221204	3.61E-05	1.68E-05
9537	437214.9	3763602	0.000221392	3.62E-05	1.68E-05
9538	437206.1	3763598	0.000221766	3.62E-05	1.68E-05
9539	437197.2	3763594	0.000222233	3.63E-05	1.68E-05
9540	437188.4	3763591	0.000222888	3.64E-05	1.69E-05
9541	437144.1	3763572	0.000227658	3.72E-05	1.73E-05
9542	437135.2	3763569	0.0002285	3.73E-05	1.73E-05
9543	437126.4	3763565	0.000229342	3.75E-05	1.74E-05
9544	437117.5	3763561	0.000230277	3.76E-05	1.74E-05
9545	437108.7	3763558	0.00023168	3.78E-05	1.76E-05
9546	437099.8	3763554	0.000233364	3.81E-05	1.77E-05
9547	437090.9	3763551	0.000235421	3.85E-05	1.78E-05
9548	437082.1	3763547	0.000237666	3.88E-05	1.80E-05
9549	437073.2	3763543	0.000242436	3.96E-05	1.84E-05
9550	437064.4	3763540	0.00024412	3.99E-05	1.85E-05
9551	437055.5	3763536	0.000245616	4.01E-05	1.86E-05
9552	437046.7	3763532	0.0002473	4.04E-05	1.87E-05
9553	437037.8	3763529	0.000248984	4.07E-05	1.89E-05
9554	437029	3763525	0.000250387	4.09E-05	1.90E-05
9555	437020.1	3763521	0.00025179	4.11E-05	1.91E-05
9556	437011.2	3763518	0.000253099	4.13E-05	1.92E-05
9557	437002.4	3763514	0.000254315	4.15E-05	1.93E-05
9558	436993.5	3763510	0.000255624	4.18E-05	1.94E-05
9559	436984.7	3763507	0.000256934	4.20E-05	1.95E-05
9560	436975.8	3763503	0.00025815	4.22E-05	1.96E-05
9561	436967	3763499	0.000259272	4.24E-05	1.96E-05
9562	436958.1	3763496	0.000260488	4.26E-05	1.97E-05

9563	436949.3	3763492	0.00026161	4.27E-05	1.98E-05
9564	436940.4	3763488	0.000262546	4.29E-05	1.99E-05
9565	436931.5	3763485	0.000263481	4.30E-05	2.00E-05
9566	436922.7	3763481	0.00026451	4.32E-05	2.00E-05
9567	436913.8	3763477	0.000265632	4.34E-05	2.01E-05
9568	436905	3763474	0.000266661	4.36E-05	2.02E-05
9569	436896.1	3763470	0.00026769	4.37E-05	2.03E-05
9570	436887.3	3763467	0.000268719	4.39E-05	2.04E-05
9571	436878.4	3763463	0.000269748	4.41E-05	2.04E-05
9572	436869.6	3763459	0.000270683	4.42E-05	2.05E-05
9573	436860.7	3763456	0.000271525	4.44E-05	2.06E-05
9574	436851.8	3763452	0.000272554	4.45E-05	2.07E-05
9575	436843	3763448	0.000273396	4.47E-05	2.07E-05
9576	436834.1	3763445	0.000274144	4.48E-05	2.08E-05
9577	436825.3	3763441	0.000274986	4.49E-05	2.08E-05
9578	436816.4	3763437	0.000275734	4.50E-05	2.09E-05
9579	436807.6	3763434	0.000276482	4.52E-05	2.10E-05
9580	436795	3763421	0.000281252	4.59E-05	2.13E-05
9581	436791.4	3763412	0.000285555	4.66E-05	2.16E-05
9582	436787.7	3763403	0.000289951	4.74E-05	2.20E-05
9583	436784	3763395	0.000294534	4.81E-05	2.23E-05
9584	436780.4	3763386	0.000299211	4.89E-05	2.27E-05
9585	436740	3763288	0.000354114	5.78E-05	2.68E-05
9586	436736.3	3763280	0.000358417	5.86E-05	2.72E-05
9587	436732.6	3763271	0.000362719	5.93E-05	2.75E-05
9588	436729	3763262	0.000366835	5.99E-05	2.78E-05
9589	436725.3	3763253	0.000371137	6.06E-05	2.81E-05
9590	436721.6	3763244	0.000375346	6.13E-05	2.84E-05
9591	436718	3763235	0.000379274	6.20E-05	2.87E-05
9592	436714.3	3763227	0.000383483	6.26E-05	2.91E-05
9593	436710.6	3763218	0.000388347	6.34E-05	2.94E-05
9594	436706.9	3763209	0.000393304	6.43E-05	2.98E-05
9595	436703.3	3763200	0.000398261	6.51E-05	3.02E-05
9596	436699.6	3763191	0.000403032	6.58E-05	3.05E-05
9597	436695.9	3763182	0.000407521	6.66E-05	3.09E-05
9598	436692.3	3763173	0.000411824	6.73E-05	3.12E-05
9599	436688.6	3763165	0.000415378	6.79E-05	3.15E-05
9600	436684.9	3763156	0.000418745	6.84E-05	3.17E-05
9601	436681.3	3763147	0.000422019	6.89E-05	3.20E-05
9602	436677.6	3763138	0.000425012	6.94E-05	3.22E-05
9603	436673.9	3763129	0.000427911	6.99E-05	3.24E-05
9604	436670.2	3763120	0.000430624	7.03E-05	3.26E-05
9605	436666.6	3763111	0.000433243	7.08E-05	3.28E-05
9606	436662.9	3763103	0.000435581	7.12E-05	3.30E-05
9607	436659.2	3763094	0.000437732	7.15E-05	3.32E-05
9608	436655.6	3763085	0.000439696	7.18E-05	3.33E-05
9609	436651.9	3763076	0.000441474	7.21E-05	3.35E-05
9610	436648.2	3763067	0.000443157	7.24E-05	3.36E-05
9611	436644.6	3763058	0.00044456	7.26E-05	3.37E-05
9612	436640.9	3763050	0.000445776	7.28E-05	3.38E-05
9613	436637.2	3763041	0.000446805	7.30E-05	3.39E-05
9614	436633.5	3763032	0.000447647	7.31E-05	3.39E-05

9615	436629.9	3763023	0.000448395	7.33E-05	3.40E-05
9616	436626.2	3763014	0.000448863	7.33E-05	3.40E-05
9617	436622.5	3763005	0.000449143	7.34E-05	3.40E-05
9618	436618.9	3762996	0.00044933	7.34E-05	3.40E-05
9619	436615.2	3762988	0.000449237	7.34E-05	3.40E-05
9620	436611.5	3762979	0.000449143	7.34E-05	3.40E-05
9621	436607.8	3762970	0.000448863	7.33E-05	3.40E-05
9622	436604.2	3762961	0.000448021	7.32E-05	3.39E-05
9623	436600.5	3762952	0.00044746	7.31E-05	3.39E-05
9624	436596.8	3762943	0.000446805	7.30E-05	3.39E-05
9625	436593.2	3762935	0.00044615	7.29E-05	3.38E-05
9626	436589.5	3762926	0.000445589	7.28E-05	3.38E-05
9627	436585.8	3762917	0.000444934	7.27E-05	3.37E-05
9628	437365.5	3763664	0.00021419	3.50E-05	1.62E-05
9629	437375.1	3763664	0.000215125	3.51E-05	1.63E-05
9630	437384.8	3763664	0.000216154	3.53E-05	1.64E-05
9631	437394.4	3763664	0.000217089	3.55E-05	1.65E-05
9632	437404.1	3763664	0.000218118	3.56E-05	1.65E-05
9633	437413.7	3763664	0.00021924	3.58E-05	1.66E-05
9634	437423.4	3763664	0.000220456	3.60E-05	1.67E-05
9635	437433	3763664	0.000221672	3.62E-05	1.68E-05
9636	437442.7	3763664	0.000222982	3.64E-05	1.69E-05
9637	437452.3	3763664	0.000224291	3.66E-05	1.70E-05
9638	437462	3763664	0.0002256	3.69E-05	1.71E-05
9639	437471.6	3763664	0.000227003	3.71E-05	1.72E-05
9640	437481.3	3763664	0.000228406	3.73E-05	1.73E-05
9641	437490.9	3763663	0.000229903	3.76E-05	1.74E-05
9642	437500.6	3763663	0.000230932	3.77E-05	1.75E-05
9643	437510.2	3763663	0.000231961	3.79E-05	1.76E-05
9644	437519.9	3763663	0.00023299	3.81E-05	1.77E-05
9645	437529.5	3763663	0.000234112	3.82E-05	1.77E-05
9646	437539.2	3763663	0.000235141	3.84E-05	1.78E-05
9647	437548.8	3763663	0.000236263	3.86E-05	1.79E-05
9648	437356.7	3763700	0.000199037	3.25E-05	1.51E-05
9649	437347.8	3763696	0.000199598	3.26E-05	1.51E-05
9650	437338.9	3763693	0.000200066	3.27E-05	1.52E-05
9651	437285.6	3763671	0.000202124	3.30E-05	1.53E-05
9652	437276.7	3763667	0.000202591	3.31E-05	1.54E-05
9653	437267.8	3763663	0.000203153	3.32E-05	1.54E-05
9654	437259	3763660	0.000203714	3.33E-05	1.54E-05
9655	437250.1	3763656	0.000204369	3.34E-05	1.55E-05
9656	437241.2	3763652	0.000204649	3.34E-05	1.55E-05
9657	437232.3	3763649	0.00020493	3.35E-05	1.55E-05
9658	437223.4	3763645	0.000205117	3.35E-05	1.55E-05
9659	437214.6	3763641	0.000205304	3.35E-05	1.56E-05
9660	437205.7	3763638	0.000205491	3.36E-05	1.56E-05
9661	437196.8	3763634	0.000205678	3.36E-05	1.56E-05
9662	437187.9	3763630	0.000206052	3.37E-05	1.56E-05
9663	437116.8	3763601	0.000214564	3.51E-05	1.63E-05
9664	437108	3763598	0.000215125	3.51E-05	1.63E-05
9665	437099.1	3763594	0.00021578	3.53E-05	1.64E-05
9666	437090.2	3763590	0.000216995	3.54E-05	1.64E-05

9667	437081.3	3763587	0.000218492	3.57E-05	1.66E-05
9668	437072.4	3763583	0.00022242	3.63E-05	1.69E-05
9669	437063.6	3763579	0.000223636	3.65E-05	1.69E-05
9670	437054.7	3763576	0.000224852	3.67E-05	1.70E-05
9671	437045.8	3763572	0.000225975	3.69E-05	1.71E-05
9672	437036.9	3763568	0.000227191	3.71E-05	1.72E-05
9673	437028	3763565	0.000228594	3.73E-05	1.73E-05
9674	437019.1	3763561	0.00023009	3.76E-05	1.74E-05
9675	437010.3	3763557	0.00023168	3.78E-05	1.76E-05
9676	437001.4	3763554	0.00023299	3.81E-05	1.77E-05
9677	436992.5	3763550	0.000234299	3.83E-05	1.78E-05
9678	436983.6	3763546	0.000235515	3.85E-05	1.78E-05
9679	436974.7	3763543	0.000236731	3.87E-05	1.79E-05
9680	436965.9	3763539	0.00023776	3.88E-05	1.80E-05
9681	436957	3763535	0.000238695	3.90E-05	1.81E-05
9682	436948.1	3763532	0.00023963	3.91E-05	1.82E-05
9683	436939.2	3763528	0.000240379	3.93E-05	1.82E-05
9684	436930.3	3763524	0.00024122	3.94E-05	1.83E-05
9685	436921.4	3763521	0.000241969	3.95E-05	1.83E-05
9686	436912.6	3763517	0.00024281	3.97E-05	1.84E-05
9687	436903.7	3763513	0.000243652	3.98E-05	1.85E-05
9688	436894.8	3763510	0.000244401	3.99E-05	1.85E-05
9689	436885.9	3763506	0.000245523	4.01E-05	1.86E-05
9690	436877	3763502	0.000246739	4.03E-05	1.87E-05
9691	436868.2	3763499	0.000247955	4.05E-05	1.88E-05
9692	436859.3	3763495	0.00024889	4.07E-05	1.89E-05
9693	436850.4	3763491	0.000249732	4.08E-05	1.89E-05
9694	436841.5	3763488	0.000250667	4.10E-05	1.90E-05
9695	436832.6	3763484	0.000251509	4.11E-05	1.91E-05
9696	436823.7	3763480	0.000252444	4.12E-05	1.91E-05
9697	436814.9	3763477	0.000253473	4.14E-05	1.92E-05
9698	436806	3763473	0.000254502	4.16E-05	1.93E-05
9699	436797.1	3763469	0.000255437	4.17E-05	1.94E-05
9700	436788.2	3763466	0.000255905	4.18E-05	1.94E-05
9701	436779.3	3763462	0.000256373	4.19E-05	1.94E-05
9702	436744.7	3763396	0.000284807	4.65E-05	2.16E-05
9703	436741	3763387	0.000289109	4.72E-05	2.19E-05
9704	436737.3	3763378	0.000293412	4.79E-05	2.22E-05
9705	436733.6	3763370	0.000297714	4.86E-05	2.26E-05
9706	436730	3763361	0.000302017	4.93E-05	2.29E-05
9707	436726.3	3763352	0.000306319	5.00E-05	2.32E-05
9708	436722.6	3763343	0.000310622	5.07E-05	2.35E-05
9709	436718.9	3763334	0.000314924	5.14E-05	2.39E-05
9710	436715.2	3763325	0.000319227	5.22E-05	2.42E-05
9711	436711.6	3763316	0.000323623	5.29E-05	2.45E-05
9712	436707.9	3763307	0.000328019	5.36E-05	2.49E-05
9713	436704.2	3763299	0.000332228	5.43E-05	2.52E-05
9714	436700.5	3763290	0.000336343	5.49E-05	2.55E-05
9715	436696.8	3763281	0.000339897	5.55E-05	2.58E-05
9716	436693.1	3763272	0.000343451	5.61E-05	2.60E-05
9717	436689.5	3763263	0.000347006	5.67E-05	2.63E-05
9718	436685.8	3763254	0.000350653	5.73E-05	2.66E-05

9719	436682.1	3763245	0.000354208	5.79E-05	2.68E-05
9720	436678.4	3763236	0.000357855	5.85E-05	2.71E-05
9721	436674.7	3763228	0.00036169	5.91E-05	2.74E-05
9722	436671.1	3763219	0.000365899	5.98E-05	2.77E-05
9723	436667.4	3763210	0.000370108	6.05E-05	2.80E-05
9724	436663.7	3763201	0.000374317	6.12E-05	2.84E-05
9725	436660	3763192	0.000378058	6.18E-05	2.86E-05
9726	436656.3	3763183	0.000381613	6.23E-05	2.89E-05
9727	436652.6	3763174	0.000385073	6.29E-05	2.92E-05
9728	436649	3763165	0.00038816	6.34E-05	2.94E-05
9729	436645.3	3763157	0.000390779	6.38E-05	2.96E-05
9730	436641.6	3763148	0.000393398	6.43E-05	2.98E-05
9731	436637.9	3763139	0.000395923	6.47E-05	3.00E-05
9732	436634.2	3763130	0.000397887	6.50E-05	3.02E-05
9733	436630.6	3763121	0.000399664	6.53E-05	3.03E-05
9734	436626.9	3763112	0.000401067	6.55E-05	3.04E-05
9735	436623.2	3763103	0.000402658	6.58E-05	3.05E-05
9736	436619.5	3763094	0.000404061	6.60E-05	3.06E-05
9737	436615.8	3763086	0.000405557	6.63E-05	3.07E-05
9738	436612.2	3763077	0.000407241	6.65E-05	3.09E-05
9739	436608.5	3763068	0.000409485	6.69E-05	3.10E-05
9740	436604.8	3763059	0.000411356	6.72E-05	3.12E-05
9741	436601.1	3763050	0.000412198	6.73E-05	3.12E-05
9742	436597.4	3763041	0.000412853	6.74E-05	3.13E-05
9743	436593.7	3763032	0.000413414	6.75E-05	3.13E-05
9744	436590.1	3763023	0.000413788	6.76E-05	3.14E-05
9745	436586.4	3763015	0.000414069	6.76E-05	3.14E-05
9746	436582.7	3763006	0.000414256	6.77E-05	3.14E-05
9747	436579	3762997	0.000414256	6.77E-05	3.14E-05
9748	436575.3	3762988	0.000414162	6.77E-05	3.14E-05
9749	436571.7	3762979	0.000413881	6.76E-05	3.14E-05
9750	436568	3762970	0.000413507	6.76E-05	3.13E-05
9751	436564.3	3762961	0.000413133	6.75E-05	3.13E-05
9752	436560.6	3762952	0.000412572	6.74E-05	3.13E-05
9753	436556.9	3762944	0.000411917	6.73E-05	3.12E-05
9754	436553.3	3762935	0.000411263	6.72E-05	3.12E-05
9755	436549.6	3762926	0.000410421	6.70E-05	3.11E-05
9756	436545.9	3762917	0.000409579	6.69E-05	3.10E-05
9757	437365.5	3763704	0.00019857	3.24E-05	1.50E-05
9758	437375.2	3763704	0.000199411	3.26E-05	1.51E-05
9759	437384.8	3763704	0.000200347	3.27E-05	1.52E-05
9760	437394.5	3763704	0.000201282	3.29E-05	1.53E-05
9761	437404.1	3763704	0.000202124	3.30E-05	1.53E-05
9762	437413.8	3763704	0.000202966	3.32E-05	1.54E-05
9763	437423.4	3763704	0.000203714	3.33E-05	1.54E-05
9764	437433.1	3763704	0.000204462	3.34E-05	1.55E-05
9765	437442.8	3763704	0.000205397	3.36E-05	1.56E-05
9766	437452.4	3763704	0.000206333	3.37E-05	1.56E-05
9767	437462.1	3763704	0.000207175	3.38E-05	1.57E-05
9768	437471.7	3763704	0.00020811	3.40E-05	1.58E-05
9769	437481.4	3763704	0.000209139	3.42E-05	1.58E-05
9770	437491	3763703	0.000210074	3.43E-05	1.59E-05

9771	437500.7	3763703	0.000211477	3.45E-05	1.60E-05
9772	437510.3	3763703	0.000212787	3.48E-05	1.61E-05
9773	437520	3763703	0.000214283	3.50E-05	1.62E-05
9774	437529.6	3763703	0.000215405	3.52E-05	1.63E-05
9775	437539.3	3763703	0.000216434	3.54E-05	1.64E-05
9776	437548.9	3763703	0.000217557	3.55E-05	1.65E-05
9777	437356.7	3763740	0.000185475	3.03E-05	1.41E-05
9778	437347.8	3763736	0.000185849	3.04E-05	1.41E-05
9779	437338.9	3763733	0.000186223	3.04E-05	1.41E-05
9780	437330	3763729	0.000186504	3.05E-05	1.41E-05
9781	437321.1	3763725	0.000186784	3.05E-05	1.42E-05
9782	437312.2	3763722	0.000187065	3.06E-05	1.42E-05
9783	437303.3	3763718	0.000187346	3.06E-05	1.42E-05
9784	437294.4	3763714	0.000187533	3.06E-05	1.42E-05
9785	437285.5	3763711	0.000187813	3.07E-05	1.42E-05
9786	437276.6	3763707	0.000188094	3.07E-05	1.43E-05
9787	437267.7	3763703	0.000188375	3.08E-05	1.43E-05
9788	437258.8	3763700	0.000188655	3.08E-05	1.43E-05
9789	437249.8	3763696	0.000189029	3.09E-05	1.43E-05
9790	437240.9	3763692	0.000189497	3.10E-05	1.44E-05
9791	437143	3763652	0.000195015	3.19E-05	1.48E-05
9792	437134.1	3763648	0.000196044	3.20E-05	1.49E-05
9793	437125.2	3763645	0.00019698	3.22E-05	1.49E-05
9794	437116.3	3763641	0.000197821	3.23E-05	1.50E-05
9795	437107.3	3763637	0.000198757	3.25E-05	1.51E-05
9796	437098.4	3763634	0.000199692	3.26E-05	1.51E-05
9797	437089.5	3763630	0.000200721	3.28E-05	1.52E-05
9798	437027.2	3763604	0.000207642	3.39E-05	1.57E-05
9799	437018.3	3763601	0.000208765	3.41E-05	1.58E-05
9800	437009.4	3763597	0.0002097	3.43E-05	1.59E-05
9801	437000.5	3763593	0.000211103	3.45E-05	1.60E-05
9802	436991.6	3763589	0.000212599	3.47E-05	1.61E-05
9803	436982.7	3763586	0.000215686	3.52E-05	1.63E-05
9804	436973.8	3763582	0.000216902	3.54E-05	1.64E-05
9805	436964.9	3763578	0.000218024	3.56E-05	1.65E-05
9806	436955.9	3763575	0.000219147	3.58E-05	1.66E-05
9807	436947	3763571	0.000220176	3.60E-05	1.67E-05
9808	436938.1	3763567	0.000221111	3.61E-05	1.68E-05
9809	436929.2	3763564	0.000221953	3.63E-05	1.68E-05
9810	436920.3	3763560	0.000222794	3.64E-05	1.69E-05
9811	436911.4	3763556	0.000223075	3.64E-05	1.69E-05
9812	436902.5	3763553	0.000223917	3.66E-05	1.70E-05
9813	436893.6	3763549	0.000224665	3.67E-05	1.70E-05
9814	436884.7	3763545	0.000225507	3.68E-05	1.71E-05
9815	436875.8	3763542	0.000226349	3.70E-05	1.72E-05
9816	436866.9	3763538	0.000227284	3.71E-05	1.72E-05
9817	436858	3763534	0.000228032	3.73E-05	1.73E-05
9818	436849.1	3763531	0.000228594	3.73E-05	1.73E-05
9819	436840.2	3763527	0.000229248	3.75E-05	1.74E-05
9820	436831.3	3763523	0.000229997	3.76E-05	1.74E-05
9821	436822.4	3763520	0.000230745	3.77E-05	1.75E-05
9822	436813.4	3763516	0.000231493	3.78E-05	1.75E-05

9823	436804.5	3763512	0.000232335	3.80E-05	1.76E-05
9824	436795.6	3763509	0.000233364	3.81E-05	1.77E-05
9825	436786.7	3763505	0.000234299	3.83E-05	1.78E-05
9826	436777.8	3763501	0.000235141	3.84E-05	1.78E-05
9827	436738.5	3763478	0.00024122	3.94E-05	1.83E-05
9828	436734.8	3763469	0.000244962	4.00E-05	1.86E-05
9829	436731.1	3763460	0.000248516	4.06E-05	1.88E-05
9830	436727.4	3763451	0.000252257	4.12E-05	1.91E-05
9831	436723.7	3763442	0.000256092	4.18E-05	1.94E-05
9832	436720	3763433	0.000259833	4.24E-05	1.97E-05
9833	436716.4	3763424	0.000263575	4.31E-05	2.00E-05
9834	436712.7	3763415	0.00026741	4.37E-05	2.03E-05
9835	436709	3763407	0.000271244	4.43E-05	2.06E-05
9836	436705.3	3763398	0.000275079	4.49E-05	2.08E-05
9837	436701.6	3763389	0.000278914	4.56E-05	2.11E-05
9838	436697.9	3763380	0.000282749	4.62E-05	2.14E-05
9839	436694.2	3763371	0.000286584	4.68E-05	2.17E-05
9840	436690.5	3763362	0.000290419	4.74E-05	2.20E-05
9841	436686.8	3763353	0.00029416	4.81E-05	2.23E-05
9842	436683.1	3763344	0.000297808	4.87E-05	2.26E-05
9843	436679.4	3763335	0.000301268	4.92E-05	2.28E-05
9844	436675.8	3763326	0.000304635	4.98E-05	2.31E-05
9845	436672.1	3763318	0.000308096	5.03E-05	2.33E-05
9846	436668.4	3763309	0.000311744	5.09E-05	2.36E-05
9847	436664.7	3763300	0.000315298	5.15E-05	2.39E-05
9848	436661	3763291	0.000318759	5.21E-05	2.42E-05
9849	436657.3	3763282	0.00032222	5.26E-05	2.44E-05
9850	436653.6	3763273	0.000325587	5.32E-05	2.47E-05
9851	436649.9	3763264	0.000328954	5.37E-05	2.49E-05
9852	436646.2	3763255	0.000332134	5.43E-05	2.52E-05
9853	436642.5	3763246	0.000335314	5.48E-05	2.54E-05
9854	436638.8	3763237	0.000338401	5.53E-05	2.56E-05
9855	436635.1	3763229	0.000341581	5.58E-05	2.59E-05
9856	436631.5	3763220	0.000345229	5.64E-05	2.62E-05
9857	436627.8	3763211	0.000348783	5.70E-05	2.64E-05
9858	436624.1	3763202	0.000352243	5.75E-05	2.67E-05
9859	436620.4	3763193	0.000355143	5.80E-05	2.69E-05
9860	436616.7	3763184	0.000357762	5.84E-05	2.71E-05
9861	436613	3763175	0.000360381	5.89E-05	2.73E-05
9862	436609.3	3763166	0.000363	5.93E-05	2.75E-05
9863	436605.6	3763157	0.000365619	5.97E-05	2.77E-05
9864	436601.9	3763148	0.000367957	6.01E-05	2.79E-05
9865	436598.2	3763140	0.000370108	6.05E-05	2.80E-05
9866	436594.5	3763131	0.000371418	6.07E-05	2.81E-05
9867	436590.9	3763122	0.000372634	6.09E-05	2.82E-05
9868	436587.2	3763113	0.000374037	6.11E-05	2.83E-05
9869	436583.5	3763104	0.000375627	6.14E-05	2.85E-05
9870	436579.8	3763095	0.00037731	6.16E-05	2.86E-05
9871	436576.1	3763086	0.000378807	6.19E-05	2.87E-05
9872	436572.4	3763077	0.000380303	6.21E-05	2.88E-05
9873	436568.7	3763068	0.000381145	6.23E-05	2.89E-05
9874	436565	3763060	0.000381893	6.24E-05	2.89E-05

9875	436561.3	3763051	0.000382455	6.25E-05	2.90E-05
9876	436557.6	3763042	0.000382922	6.26E-05	2.90E-05
9877	436553.9	3763033	0.000383296	6.26E-05	2.90E-05
9878	436550.2	3763024	0.000383483	6.26E-05	2.91E-05
9879	436546.6	3763015	0.000383483	6.26E-05	2.91E-05
9880	436542.9	3763006	0.000383483	6.26E-05	2.91E-05
9881	436539.2	3762997	0.000383296	6.26E-05	2.90E-05
9882	436535.5	3762988	0.000383109	6.26E-05	2.90E-05
9883	436531.8	3762979	0.000382829	6.25E-05	2.90E-05
9884	436528.1	3762971	0.000382361	6.25E-05	2.90E-05
9885	436524.4	3762962	0.000381893	6.24E-05	2.89E-05
9886	436520.7	3762953	0.000381426	6.23E-05	2.89E-05
9887	436517	3762944	0.000380771	6.22E-05	2.89E-05
9888	436513.3	3762935	0.000380116	6.21E-05	2.88E-05
9889	436509.6	3762926	0.000379368	6.20E-05	2.87E-05
9890	436506	3762917	0.000378526	6.18E-05	2.87E-05
9891	436502.3	3762908	0.000377684	6.17E-05	2.86E-05
9892	437365.6	3763744	0.000185101	3.02E-05	1.40E-05
9893	437375.3	3763744	0.000185943	3.04E-05	1.41E-05
9894	437384.9	3763744	0.000186691	3.05E-05	1.41E-05
9895	437394.6	3763744	0.000187533	3.06E-05	1.42E-05
9896	437404.2	3763744	0.000188281	3.08E-05	1.43E-05
9897	437413.9	3763744	0.000188936	3.09E-05	1.43E-05
9898	437423.5	3763744	0.000189497	3.10E-05	1.44E-05
9899	437433.2	3763744	0.000190058	3.10E-05	1.44E-05
9900	437442.8	3763744	0.000190713	3.12E-05	1.45E-05
9901	437452.5	3763744	0.00019118	3.12E-05	1.45E-05
9902	437462.1	3763744	0.000191742	3.13E-05	1.45E-05
9903	437471.8	3763744	0.00019249	3.14E-05	1.46E-05
9904	437481.4	3763744	0.000193332	3.16E-05	1.46E-05
9905	437491.1	3763743	0.000194174	3.17E-05	1.47E-05
9906	437500.7	3763743	0.000195577	3.20E-05	1.48E-05
9907	437510.4	3763743	0.00019698	3.22E-05	1.49E-05
9908	437520	3763743	0.00019857	3.24E-05	1.50E-05
9909	437529.7	3763743	0.000199505	3.26E-05	1.51E-05
9910	437539.3	3763743	0.00020044	3.27E-05	1.52E-05
9911	437549	3763743	0.000201282	3.29E-05	1.53E-05
9912	437356.9	3763780	0.000173409	2.83E-05	1.31E-05
9913	437348.1	3763776	0.00017369	2.84E-05	1.32E-05
9914	437339.3	3763773	0.000173971	2.84E-05	1.32E-05
9915	437330.5	3763769	0.000174251	2.85E-05	1.32E-05
9916	437321.7	3763766	0.000174532	2.85E-05	1.32E-05
9917	437312.9	3763762	0.000174906	2.86E-05	1.33E-05
9918	437304.1	3763758	0.000175093	2.86E-05	1.33E-05
9919	437295.2	3763755	0.000175374	2.86E-05	1.33E-05
9920	437286.4	3763751	0.000175561	2.87E-05	1.33E-05
9921	437277.6	3763747	0.000175654	2.87E-05	1.33E-05
9922	437268.8	3763744	0.000175748	2.87E-05	1.33E-05
9923	437260	3763740	0.000175841	2.87E-05	1.33E-05
9924	437251.2	3763737	0.000175935	2.87E-05	1.33E-05
9925	437242.4	3763733	0.000176215	2.88E-05	1.34E-05
9926	437233.6	3763729	0.000176589	2.88E-05	1.34E-05

9927	437224.8	3763726	0.000176964	2.89E-05	1.34E-05
9928	437216	3763722	0.000177338	2.90E-05	1.34E-05
9929	437207.2	3763718	0.000177712	2.90E-05	1.35E-05
9930	437198.4	3763715	0.000178179	2.91E-05	1.35E-05
9931	437189.6	3763711	0.000178647	2.92E-05	1.35E-05
9932	437180.7	3763707	0.000178928	2.92E-05	1.36E-05
9933	437101.5	3763675	0.000183791	3.00E-05	1.39E-05
9934	437092.7	3763671	0.00018454	3.01E-05	1.40E-05
9935	437083.9	3763668	0.000185381	3.03E-05	1.40E-05
9936	437075.1	3763664	0.000186223	3.04E-05	1.41E-05
9937	437066.2	3763660	0.000187159	3.06E-05	1.42E-05
9938	437057.4	3763657	0.000188094	3.07E-05	1.43E-05
9939	437048.6	3763653	0.000189029	3.09E-05	1.43E-05
9940	437039.8	3763649	0.000190058	3.10E-05	1.44E-05
9941	437031	3763646	0.000190993	3.12E-05	1.45E-05
9942	437022.2	3763642	0.000192116	3.14E-05	1.46E-05
9943	437013.4	3763638	0.000193332	3.16E-05	1.46E-05
9944	437004.6	3763635	0.000194641	3.18E-05	1.47E-05
9945	436925.3	3763602	0.000205304	3.35E-05	1.56E-05
9946	436916.5	3763598	0.000206146	3.37E-05	1.56E-05
9947	436907.7	3763595	0.000206333	3.37E-05	1.56E-05
9948	436898.9	3763591	0.000207081	3.38E-05	1.57E-05
9949	436890.1	3763588	0.000207829	3.40E-05	1.57E-05
9950	436881.3	3763584	0.000208765	3.41E-05	1.58E-05
9951	436872.5	3763580	0.000209606	3.42E-05	1.59E-05
9952	436863.7	3763577	0.000210448	3.44E-05	1.59E-05
9953	436854.9	3763573	0.000211103	3.45E-05	1.60E-05
9954	436846.1	3763569	0.000211664	3.46E-05	1.60E-05
9955	436837.2	3763566	0.000212038	3.46E-05	1.61E-05
9956	436828.4	3763562	0.000212319	3.47E-05	1.61E-05
9957	436819.6	3763559	0.000212693	3.47E-05	1.61E-05
9958	436810.8	3763555	0.000213254	3.48E-05	1.62E-05
9959	436802	3763551	0.000213722	3.49E-05	1.62E-05
9960	436793.2	3763548	0.000214283	3.50E-05	1.62E-05
9961	436784.4	3763544	0.000214938	3.51E-05	1.63E-05
9962	436775.6	3763540	0.000215686	3.52E-05	1.63E-05
9963	436740.4	3763526	0.000218773	3.57E-05	1.66E-05
9964	436731.6	3763522	0.000219427	3.58E-05	1.66E-05
9965	436722.7	3763519	0.000220456	3.60E-05	1.67E-05
9966	436710.3	3763506	0.000224385	3.67E-05	1.70E-05
9967	436706.6	3763497	0.000227752	3.72E-05	1.73E-05
9968	436703	3763489	0.000231025	3.77E-05	1.75E-05
9969	436699.3	3763480	0.000234393	3.83E-05	1.78E-05
9970	436695.7	3763471	0.000237666	3.88E-05	1.80E-05
9971	436692	3763462	0.000241033	3.94E-05	1.83E-05
9972	436688.4	3763453	0.000244307	3.99E-05	1.85E-05
9973	436684.7	3763445	0.000247487	4.04E-05	1.88E-05
9974	436681.1	3763436	0.000250761	4.10E-05	1.90E-05
9975	436677.4	3763427	0.000254315	4.15E-05	1.93E-05
9976	436673.8	3763418	0.000257776	4.21E-05	1.95E-05
9977	436670.1	3763409	0.00026133	4.27E-05	1.98E-05
9978	436666.5	3763401	0.000264697	4.32E-05	2.01E-05

9979	436662.8	3763392	0.000268158	4.38E-05	2.03E-05
9980	436659.2	3763383	0.000271618	4.44E-05	2.06E-05
9981	436655.5	3763374	0.000275079	4.49E-05	2.08E-05
9982	436651.9	3763365	0.000278353	4.55E-05	2.11E-05
9983	436648.2	3763357	0.00028172	4.60E-05	2.13E-05
9984	436644.6	3763348	0.000284994	4.66E-05	2.16E-05
9985	436640.9	3763339	0.00028808	4.71E-05	2.18E-05
9986	436637.3	3763330	0.000291167	4.76E-05	2.21E-05
9987	436633.6	3763321	0.00029416	4.81E-05	2.23E-05
9988	436630	3763313	0.000297153	4.85E-05	2.25E-05
9989	436626.3	3763304	0.000300052	4.90E-05	2.27E-05
9990	436622.7	3763295	0.000302858	4.95E-05	2.29E-05
9991	436619	3763286	0.000305571	4.99E-05	2.32E-05
9992	436615.4	3763277	0.00030847	5.04E-05	2.34E-05
9993	436611.7	3763269	0.000311276	5.09E-05	2.36E-05
9994	436608.1	3763260	0.000313989	5.13E-05	2.38E-05
9995	436604.4	3763251	0.000316888	5.18E-05	2.40E-05
9996	436600.8	3763242	0.000319694	5.22E-05	2.42E-05
9997	436597.1	3763233	0.0003225	5.27E-05	2.44E-05
9998	436593.5	3763225	0.000325587	5.32E-05	2.47E-05
9999	436589.8	3763216	0.00032886	5.37E-05	2.49E-05
10000	436586.2	3763207	0.00033204	5.42E-05	2.52E-05
10001	436582.5	3763198	0.000335034	5.47E-05	2.54E-05
10002	436578.9	3763189	0.000337185	5.51E-05	2.56E-05
10003	436575.2	3763181	0.000339242	5.54E-05	2.57E-05
10004	436571.6	3763172	0.000341207	5.57E-05	2.59E-05
10005	436567.9	3763163	0.000342984	5.60E-05	2.60E-05
10006	436564.3	3763154	0.000344667	5.63E-05	2.61E-05
10007	436560.6	3763145	0.000346257	5.66E-05	2.62E-05
10008	436557	3763137	0.000347754	5.68E-05	2.64E-05
10009	436553.3	3763128	0.000349157	5.70E-05	2.65E-05
10010	436549.7	3763119	0.000350373	5.72E-05	2.65E-05
10011	436546	3763110	0.000351495	5.74E-05	2.66E-05
10012	436542.4	3763101	0.000352524	5.76E-05	2.67E-05
10013	436538.7	3763093	0.000353366	5.77E-05	2.68E-05
10014	436535.1	3763084	0.000354114	5.78E-05	2.68E-05
10015	436531.4	3763075	0.000354769	5.80E-05	2.69E-05
10016	436527.8	3763066	0.00035533	5.80E-05	2.69E-05
10017	436524.1	3763057	0.000355704	5.81E-05	2.70E-05
10018	436520.5	3763049	0.000356078	5.82E-05	2.70E-05
10019	436516.8	3763040	0.000356265	5.82E-05	2.70E-05
10020	436513.2	3763031	0.000356359	5.82E-05	2.70E-05
10021	436509.5	3763022	0.000356359	5.82E-05	2.70E-05
10022	436505.9	3763013	0.000356265	5.82E-05	2.70E-05
10023	436502.2	3763005	0.000356078	5.82E-05	2.70E-05
10024	436498.6	3762996	0.000355891	5.81E-05	2.70E-05
10025	436494.9	3762987	0.000355517	5.81E-05	2.69E-05
10026	436491.3	3762978	0.000355237	5.80E-05	2.69E-05
10027	436487.6	3762969	0.000354769	5.80E-05	2.69E-05
10028	436484	3762961	0.000354301	5.79E-05	2.68E-05
10029	436480.3	3762952	0.00035374	5.78E-05	2.68E-05
10030	436476.7	3762943	0.000353179	5.77E-05	2.68E-05

10031	436473	3762934	0.000352524	5.76E-05	2.67E-05
10032	436469.4	3762925	0.000351776	5.75E-05	2.67E-05
10033	436465.7	3762917	0.000351121	5.74E-05	2.66E-05
10034	436462.1	3762908	0.000350373	5.72E-05	2.65E-05
10035	437365.7	3763784	0.000173129	2.83E-05	1.31E-05
10036	437375.4	3763784	0.000173877	2.84E-05	1.32E-05
10037	437385	3763784	0.000174532	2.85E-05	1.32E-05
10038	437394.7	3763784	0.000175186	2.86E-05	1.33E-05
10039	437404.3	3763784	0.000175841	2.87E-05	1.33E-05
10040	437414	3763784	0.000176402	2.88E-05	1.34E-05
10041	437423.6	3763784	0.000176964	2.89E-05	1.34E-05
10042	437433.3	3763784	0.000177431	2.90E-05	1.34E-05
10043	437442.9	3763784	0.000177899	2.91E-05	1.35E-05
10044	437452.6	3763784	0.000178367	2.91E-05	1.35E-05
10045	437462.2	3763784	0.000178834	2.92E-05	1.36E-05
10046	437471.9	3763784	0.000179676	2.94E-05	1.36E-05
10047	437481.5	3763784	0.000180611	2.95E-05	1.37E-05
10048	437491.2	3763783	0.000181547	2.97E-05	1.38E-05
10049	437500.8	3763783	0.000182576	2.98E-05	1.38E-05
10050	437510.5	3763783	0.000183698	3.00E-05	1.39E-05
10051	437520.1	3763783	0.000184914	3.02E-05	1.40E-05
10052	437529.8	3763783	0.000185475	3.03E-05	1.41E-05
10053	437539.4	3763783	0.000186036	3.04E-05	1.41E-05
10054	437549.1	3763783	0.000186597	3.05E-05	1.41E-05
10055	437357	3763820	0.00016284	2.66E-05	1.23E-05
10056	437348.1	3763816	0.000163121	2.66E-05	1.24E-05
10057	437339.3	3763813	0.000163308	2.67E-05	1.24E-05
10058	437330.5	3763809	0.000163588	2.67E-05	1.24E-05
10059	437321.6	3763806	0.000163775	2.68E-05	1.24E-05
10060	437312.8	3763802	0.000164056	2.68E-05	1.24E-05
10061	437304	3763798	0.000164337	2.68E-05	1.25E-05
10062	437295.1	3763795	0.000164617	2.69E-05	1.25E-05
10063	437286.3	3763791	0.000164804	2.69E-05	1.25E-05
10064	437277.5	3763787	0.000165085	2.70E-05	1.25E-05
10065	437268.6	3763784	0.000165272	2.70E-05	1.25E-05
10066	437259.8	3763780	0.000165459	2.70E-05	1.25E-05
10067	437251	3763776	0.000165553	2.70E-05	1.25E-05
10068	437242.1	3763773	0.00016574	2.71E-05	1.26E-05
10069	437233.3	3763769	0.000165833	2.71E-05	1.26E-05
10070	437224.5	3763765	0.00016602	2.71E-05	1.26E-05
10071	437215.6	3763762	0.000166207	2.72E-05	1.26E-05
10072	437206.8	3763758	0.000166394	2.72E-05	1.26E-05
10073	437198	3763755	0.000166675	2.72E-05	1.26E-05
10074	437189.1	3763751	0.000166956	2.73E-05	1.27E-05
10075	437180.3	3763747	0.000167236	2.73E-05	1.27E-05
10076	437153.8	3763736	0.000168172	2.75E-05	1.27E-05
10077	437145	3763733	0.000168639	2.75E-05	1.28E-05
10078	437136.1	3763729	0.000169107	2.76E-05	1.28E-05
10079	437127.3	3763725	0.000169481	2.77E-05	1.28E-05
10080	437118.5	3763722	0.000169855	2.77E-05	1.29E-05
10081	437109.6	3763718	0.000170229	2.78E-05	1.29E-05
10082	437100.8	3763714	0.000170697	2.79E-05	1.29E-05

10083	437092	3763711	0.000170977	2.79E-05	1.30E-05
10084	437083.2	3763707	0.000171352	2.80E-05	1.30E-05
10085	437012.5	3763678	0.000178273	2.91E-05	1.35E-05
10086	437003.7	3763674	0.000179489	2.93E-05	1.36E-05
10087	436994.8	3763671	0.000180798	2.95E-05	1.37E-05
10088	436986	3763667	0.000182108	2.98E-05	1.38E-05
10089	436977.2	3763663	0.000183417	3.00E-05	1.39E-05
10090	436968.3	3763660	0.000186223	3.04E-05	1.41E-05
10091	436959.5	3763656	0.000187159	3.06E-05	1.42E-05
10092	436950.7	3763653	0.000188	3.07E-05	1.42E-05
10093	436941.8	3763649	0.000188842	3.09E-05	1.43E-05
10094	436933	3763645	0.000189778	3.10E-05	1.44E-05
10095	436924.2	3763642	0.000190619	3.11E-05	1.44E-05
10096	436915.3	3763638	0.000191461	3.13E-05	1.45E-05
10097	436906.5	3763634	0.000192209	3.14E-05	1.46E-05
10098	436844.7	3763609	0.000197167	3.22E-05	1.49E-05
10099	436835.8	3763605	0.000197821	3.23E-05	1.50E-05
10100	436827	3763602	0.000198383	3.24E-05	1.50E-05
10101	436818.2	3763598	0.000198944	3.25E-05	1.51E-05
10102	436809.3	3763594	0.000199411	3.26E-05	1.51E-05
10103	436800.5	3763591	0.000199879	3.27E-05	1.51E-05
10104	436791.7	3763587	0.00020016	3.27E-05	1.52E-05
10105	436782.8	3763583	0.00020044	3.27E-05	1.52E-05
10106	436774	3763580	0.000200721	3.28E-05	1.52E-05
10107	436747.5	3763569	0.000202124	3.30E-05	1.53E-05
10108	436738.7	3763565	0.000202591	3.31E-05	1.54E-05
10109	436729.8	3763561	0.00020334	3.32E-05	1.54E-05
10110	436721	3763558	0.000204088	3.33E-05	1.55E-05
10111	436712.2	3763554	0.00020493	3.35E-05	1.55E-05
10112	436703.4	3763551	0.000206052	3.37E-05	1.56E-05
10113	436694.5	3763547	0.0002068	3.38E-05	1.57E-05
10114	436682	3763534	0.000210729	3.44E-05	1.60E-05
10115	436678.4	3763526	0.000213815	3.49E-05	1.62E-05
10116	436674.7	3763517	0.000216621	3.54E-05	1.64E-05
10117	436671	3763508	0.000219521	3.59E-05	1.66E-05
10118	436667.4	3763499	0.00022242	3.63E-05	1.69E-05
10119	436663.7	3763490	0.000225413	3.68E-05	1.71E-05
10120	436660.1	3763481	0.000228406	3.73E-05	1.73E-05
10121	436656.4	3763473	0.000231399	3.78E-05	1.75E-05
10122	436652.7	3763464	0.000234205	3.83E-05	1.77E-05
10123	436649.1	3763455	0.000237105	3.87E-05	1.80E-05
10124	436645.4	3763446	0.000240004	3.92E-05	1.82E-05
10125	436641.8	3763437	0.000242998	3.97E-05	1.84E-05
10126	436638.1	3763429	0.000246084	4.02E-05	1.86E-05
10127	436634.4	3763420	0.000249171	4.07E-05	1.89E-05
10128	436630.8	3763411	0.000252351	4.12E-05	1.91E-05
10129	436627.1	3763402	0.000255624	4.18E-05	1.94E-05
10130	436623.5	3763393	0.000258992	4.23E-05	1.96E-05
10131	436619.8	3763384	0.000262265	4.28E-05	1.99E-05
10132	436616.1	3763376	0.000265258	4.33E-05	2.01E-05
10133	436612.5	3763367	0.000268064	4.38E-05	2.03E-05
10134	436608.8	3763358	0.00027087	4.43E-05	2.05E-05

10135	436605.1	3763349	0.000273583	4.47E-05	2.07E-05
10136	436601.5	3763340	0.000276108	4.51E-05	2.09E-05
10137	436597.8	3763331	0.000278446	4.55E-05	2.11E-05
10138	436594.2	3763323	0.000280878	4.59E-05	2.13E-05
10139	436590.5	3763314	0.00028331	4.63E-05	2.15E-05
10140	436586.8	3763305	0.000285929	4.67E-05	2.17E-05
10141	436583.2	3763296	0.000288548	4.71E-05	2.19E-05
10142	436579.5	3763287	0.000291073	4.76E-05	2.21E-05
10143	436575.9	3763279	0.000293599	4.80E-05	2.22E-05
10144	436572.2	3763270	0.000296218	4.84E-05	2.24E-05
10145	436568.5	3763261	0.000298836	4.88E-05	2.26E-05
10146	436564.9	3763252	0.000301736	4.93E-05	2.29E-05
10147	436561.2	3763243	0.000304729	4.98E-05	2.31E-05
10148	436557.6	3763234	0.000307722	5.03E-05	2.33E-05
10149	436553.9	3763226	0.000310341	5.07E-05	2.35E-05
10150	436550.2	3763217	0.000312399	5.10E-05	2.37E-05
10151	436546.6	3763208	0.000314269	5.13E-05	2.38E-05
10152	436542.9	3763199	0.00031614	5.16E-05	2.40E-05
10153	436539.3	3763190	0.000317917	5.19E-05	2.41E-05
10154	436535.6	3763181	0.000319601	5.22E-05	2.42E-05
10155	436531.9	3763173	0.000321097	5.25E-05	2.43E-05
10156	436528.3	3763164	0.000322594	5.27E-05	2.44E-05
10157	436524.6	3763155	0.000323903	5.29E-05	2.45E-05
10158	436521	3763146	0.000325213	5.31E-05	2.46E-05
10159	436517.3	3763137	0.000326335	5.33E-05	2.47E-05
10160	436513.6	3763128	0.000327457	5.35E-05	2.48E-05
10161	436510	3763120	0.000328393	5.36E-05	2.49E-05
10162	436506.3	3763111	0.000329234	5.38E-05	2.49E-05
10163	436502.6	3763102	0.000329983	5.39E-05	2.50E-05
10164	436499	3763093	0.000330544	5.40E-05	2.50E-05
10165	436495.3	3763084	0.000331105	5.41E-05	2.51E-05
10166	436491.7	3763076	0.000331573	5.42E-05	2.51E-05
10167	436488	3763067	0.000331853	5.42E-05	2.51E-05
10168	436484.3	3763058	0.000332134	5.43E-05	2.52E-05
10169	436480.7	3763049	0.000332321	5.43E-05	2.52E-05
10170	436477	3763040	0.000332321	5.43E-05	2.52E-05
10171	436473.4	3763031	0.000332321	5.43E-05	2.52E-05
10172	436469.7	3763023	0.000332228	5.43E-05	2.52E-05
10173	436466	3763014	0.00033204	5.42E-05	2.52E-05
10174	436462.4	3763005	0.000331853	5.42E-05	2.51E-05
10175	436458.7	3762996	0.000331573	5.42E-05	2.51E-05
10176	436455.1	3762987	0.000331199	5.41E-05	2.51E-05
10177	436451.4	3762978	0.000330825	5.40E-05	2.51E-05
10178	436447.7	3762970	0.000330357	5.40E-05	2.50E-05
10179	436444.1	3762961	0.000329889	5.39E-05	2.50E-05
10180	436440.4	3762952	0.000329422	5.38E-05	2.50E-05
10181	436436.8	3762943	0.00032886	5.37E-05	2.49E-05
10182	436433.1	3762934	0.000328206	5.36E-05	2.49E-05
10183	436429.4	3762926	0.000327644	5.35E-05	2.48E-05
10184	436425.8	3762917	0.000326896	5.34E-05	2.48E-05
10185	436422.1	3762908	0.000326148	5.33E-05	2.47E-05
10186	437365.8	3763824	0.00016256	2.66E-05	1.23E-05

10187	437375.4	3763824	0.000163214	2.67E-05	1.24E-05
10188	437385.1	3763824	0.000163963	2.68E-05	1.24E-05
10189	437394.7	3763824	0.000164617	2.69E-05	1.25E-05
10190	437404.4	3763824	0.000165272	2.70E-05	1.25E-05
10191	437414	3763824	0.000165833	2.71E-05	1.26E-05
10192	437423.7	3763824	0.000166394	2.72E-05	1.26E-05
10193	437433.3	3763824	0.000166862	2.73E-05	1.26E-05
10194	437443	3763824	0.00016733	2.73E-05	1.27E-05
10195	437452.6	3763824	0.000167704	2.74E-05	1.27E-05
10196	437462.3	3763824	0.000168172	2.75E-05	1.27E-05
10197	437472	3763824	0.000168639	2.75E-05	1.28E-05
10198	437481.6	3763824	0.000169013	2.76E-05	1.28E-05
10199	437491.3	3763823	0.000169575	2.77E-05	1.28E-05
10200	437500.9	3763823	0.000170323	2.78E-05	1.29E-05
10201	437510.6	3763823	0.000171071	2.79E-05	1.30E-05
10202	437520.2	3763823	0.000171913	2.81E-05	1.30E-05
10203	437529.9	3763823	0.00017238	2.82E-05	1.31E-05
10204	437539.5	3763823	0.000172848	2.82E-05	1.31E-05
10205	437549.2	3763823	0.000173222	2.83E-05	1.31E-05
10206	437357	3763860	0.000153487	2.51E-05	1.16E-05
10207	437348.2	3763856	0.000153768	2.51E-05	1.17E-05
10208	437339.3	3763853	0.000153955	2.52E-05	1.17E-05
10209	437330.5	3763849	0.000154235	2.52E-05	1.17E-05
10210	437321.6	3763845	0.000154516	2.52E-05	1.17E-05
10211	437312.7	3763842	0.000154703	2.53E-05	1.17E-05
10212	437303.9	3763838	0.00015489	2.53E-05	1.17E-05
10213	437295	3763835	0.00015517	2.53E-05	1.18E-05
10214	437286.2	3763831	0.000155451	2.54E-05	1.18E-05
10215	437277.3	3763827	0.000155638	2.54E-05	1.18E-05
10216	437268.5	3763824	0.000155825	2.55E-05	1.18E-05
10217	437259.6	3763820	0.000156012	2.55E-05	1.18E-05
10218	437250.8	3763816	0.000156199	2.55E-05	1.18E-05
10219	437241.9	3763813	0.000156293	2.55E-05	1.18E-05
10220	437233	3763809	0.00015648	2.56E-05	1.19E-05
10221	437224.2	3763805	0.000156573	2.56E-05	1.19E-05
10222	437215.3	3763802	0.000156667	2.56E-05	1.19E-05
10223	437206.5	3763798	0.000156761	2.56E-05	1.19E-05
10224	437197.6	3763794	0.000156854	2.56E-05	1.19E-05
10225	437188.8	3763791	0.000156948	2.56E-05	1.19E-05
10226	437179.9	3763787	0.000157135	2.57E-05	1.19E-05
10227	437153.3	3763776	0.00015807	2.58E-05	1.20E-05
10228	437144.5	3763772	0.000158444	2.59E-05	1.20E-05
10229	437135.6	3763769	0.000158912	2.60E-05	1.20E-05
10230	437126.8	3763765	0.000159286	2.60E-05	1.21E-05
10231	437117.9	3763761	0.000159567	2.61E-05	1.21E-05
10232	437109.1	3763758	0.000159847	2.61E-05	1.21E-05
10233	437100.2	3763754	0.000160221	2.62E-05	1.21E-05
10234	437091.4	3763751	0.000160315	2.62E-05	1.21E-05
10235	437082.5	3763747	0.000160502	2.62E-05	1.22E-05
10236	437073.6	3763743	0.000160689	2.63E-05	1.22E-05
10237	437064.8	3763740	0.000161063	2.63E-05	1.22E-05
10238	437055.9	3763736	0.000161531	2.64E-05	1.22E-05

10239	437047.1	3763732	0.000162092	2.65E-05	1.23E-05
10240	437038.2	3763729	0.000162747	2.66E-05	1.23E-05
10241	437029.4	3763725	0.000163588	2.67E-05	1.24E-05
10242	437020.5	3763721	0.00016443	2.69E-05	1.25E-05
10243	437011.7	3763718	0.000165459	2.70E-05	1.25E-05
10244	437002.8	3763714	0.000166394	2.72E-05	1.26E-05
10245	436993.9	3763710	0.000167423	2.74E-05	1.27E-05
10246	436985.1	3763707	0.000168546	2.75E-05	1.28E-05
10247	436923.1	3763681	0.000175748	2.87E-05	1.33E-05
10248	436914.2	3763677	0.000176496	2.88E-05	1.34E-05
10249	436905.4	3763674	0.000177338	2.90E-05	1.34E-05
10250	436896.5	3763670	0.000178273	2.91E-05	1.35E-05
10251	436887.7	3763667	0.000179208	2.93E-05	1.36E-05
10252	436878.8	3763663	0.000180144	2.94E-05	1.37E-05
10253	436870	3763659	0.000180985	2.96E-05	1.37E-05
10254	436861.1	3763656	0.000181827	2.97E-05	1.38E-05
10255	436852.3	3763652	0.000182669	2.98E-05	1.38E-05
10256	436843.4	3763648	0.000183511	3.00E-05	1.39E-05
10257	436834.5	3763645	0.000184259	3.01E-05	1.40E-05
10258	436825.7	3763641	0.000185007	3.02E-05	1.40E-05
10259	436816.8	3763637	0.000185569	3.03E-05	1.41E-05
10260	436746	3763608	0.000189403	3.09E-05	1.44E-05
10261	436737.1	3763604	0.000189871	3.10E-05	1.44E-05
10262	436728.3	3763601	0.000190432	3.11E-05	1.44E-05
10263	436719.4	3763597	0.000191087	3.12E-05	1.45E-05
10264	436710.6	3763593	0.000191648	3.13E-05	1.45E-05
10265	436701.7	3763590	0.000192209	3.14E-05	1.46E-05
10266	436692.9	3763586	0.000192771	3.15E-05	1.46E-05
10267	436684	3763583	0.000193519	3.16E-05	1.47E-05
10268	436675.1	3763579	0.000194267	3.17E-05	1.47E-05
10269	436666.3	3763575	0.000194922	3.18E-05	1.48E-05
10270	436653.8	3763563	0.000198102	3.24E-05	1.50E-05
10271	436650.1	3763554	0.000200721	3.28E-05	1.52E-05
10272	436646.4	3763545	0.000203246	3.32E-05	1.54E-05
10273	436642.7	3763536	0.000205772	3.36E-05	1.56E-05
10274	436639.1	3763527	0.000208297	3.40E-05	1.58E-05
10275	436635.4	3763518	0.000211009	3.45E-05	1.60E-05
10276	436631.7	3763510	0.000213722	3.49E-05	1.62E-05
10277	436628.1	3763501	0.000216528	3.54E-05	1.64E-05
10278	436624.4	3763492	0.000219334	3.58E-05	1.66E-05
10279	436620.7	3763483	0.000222046	3.63E-05	1.68E-05
10280	436617.1	3763474	0.000224759	3.67E-05	1.70E-05
10281	436613.4	3763465	0.000227471	3.72E-05	1.72E-05
10282	436609.7	3763457	0.000230277	3.76E-05	1.74E-05
10283	436606	3763448	0.00023299	3.81E-05	1.77E-05
10284	436602.4	3763439	0.000235702	3.85E-05	1.79E-05
10285	436598.7	3763430	0.000238508	3.90E-05	1.81E-05
10286	436595	3763421	0.00024122	3.94E-05	1.83E-05
10287	436591.4	3763412	0.000243839	3.98E-05	1.85E-05
10288	436587.7	3763403	0.000246552	4.03E-05	1.87E-05
10289	436584	3763395	0.000249171	4.07E-05	1.89E-05
10290	436580.4	3763386	0.000251603	4.11E-05	1.91E-05

10291	436576.7	3763377	0.000254034	4.15E-05	1.92E-05
10292	436573	3763368	0.000256373	4.19E-05	1.94E-05
10293	436569.3	3763359	0.000258617	4.22E-05	1.96E-05
10294	436565.7	3763350	0.000260769	4.26E-05	1.98E-05
10295	436562	3763342	0.000263201	4.30E-05	1.99E-05
10296	436558.3	3763333	0.000265726	4.34E-05	2.01E-05
10297	436554.7	3763324	0.000268345	4.38E-05	2.03E-05
10298	436551	3763315	0.000270777	4.42E-05	2.05E-05
10299	436547.3	3763306	0.000273302	4.46E-05	2.07E-05
10300	436543.7	3763297	0.000275827	4.51E-05	2.09E-05
10301	436540	3763288	0.000278446	4.55E-05	2.11E-05
10302	436536.3	3763280	0.000281065	4.59E-05	2.13E-05
10303	436532.6	3763271	0.000283684	4.63E-05	2.15E-05
10304	436529	3763262	0.00028621	4.68E-05	2.17E-05
10305	436525.3	3763253	0.000288454	4.71E-05	2.19E-05
10306	436521.6	3763244	0.000290325	4.74E-05	2.20E-05
10307	436518	3763235	0.000292196	4.77E-05	2.21E-05
10308	436514.3	3763227	0.000293879	4.80E-05	2.23E-05
10309	436510.6	3763218	0.000295563	4.83E-05	2.24E-05
10310	436506.9	3763209	0.000297153	4.85E-05	2.25E-05
10311	436503.3	3763200	0.000298743	4.88E-05	2.26E-05
10312	436499.6	3763191	0.000300146	4.90E-05	2.27E-05
10313	436495.9	3763182	0.000301455	4.92E-05	2.28E-05
10314	436492.3	3763173	0.000302765	4.95E-05	2.29E-05
10315	436488.6	3763165	0.000303887	4.96E-05	2.30E-05
10316	436484.9	3763156	0.00030501	4.98E-05	2.31E-05
10317	436481.3	3763147	0.000305945	5.00E-05	2.32E-05
10318	436477.6	3763138	0.00030688	5.01E-05	2.33E-05
10319	436473.9	3763129	0.000307722	5.03E-05	2.33E-05
10320	436470.2	3763120	0.000308377	5.04E-05	2.34E-05
10321	436466.6	3763111	0.000309031	5.05E-05	2.34E-05
10322	436462.9	3763103	0.000309593	5.06E-05	2.35E-05
10323	436459.2	3763094	0.000309967	5.06E-05	2.35E-05
10324	436455.6	3763085	0.000310341	5.07E-05	2.35E-05
10325	436451.9	3763076	0.000310622	5.07E-05	2.35E-05
10326	436448.2	3763067	0.000310809	5.08E-05	2.36E-05
10327	436444.6	3763058	0.000310902	5.08E-05	2.36E-05
10328	436440.9	3763050	0.000310996	5.08E-05	2.36E-05
10329	436437.2	3763041	0.000310996	5.08E-05	2.36E-05
10330	436433.5	3763032	0.000310902	5.08E-05	2.36E-05
10331	436429.9	3763023	0.000310715	5.08E-05	2.35E-05
10332	436426.2	3763014	0.000310528	5.07E-05	2.35E-05
10333	436422.5	3763005	0.000310247	5.07E-05	2.35E-05
10334	436418.9	3762996	0.000309873	5.06E-05	2.35E-05
10335	436415.2	3762988	0.000309499	5.06E-05	2.35E-05
10336	436411.5	3762979	0.000309125	5.05E-05	2.34E-05
10337	436407.8	3762970	0.000308751	5.04E-05	2.34E-05
10338	436404.2	3762961	0.000308283	5.04E-05	2.34E-05
10339	436400.5	3762952	0.000307722	5.03E-05	2.33E-05
10340	436396.8	3762943	0.000307161	5.02E-05	2.33E-05
10341	436393.2	3762935	0.0003066	5.01E-05	2.32E-05
10342	436389.5	3762926	0.000306038	5.00E-05	2.32E-05

10343	436385.8	3762917	0.000305384	4.99E-05	2.31E-05
10344	436382.2	3762908	0.000304635	4.98E-05	2.31E-05
10345	437365.9	3763864	0.0001533	2.50E-05	1.16E-05
10346	437375.5	3763864	0.000153861	2.51E-05	1.17E-05
10347	437385.2	3763864	0.000154516	2.52E-05	1.17E-05
10348	437394.8	3763864	0.000155077	2.53E-05	1.18E-05
10349	437404.5	3763864	0.000155638	2.54E-05	1.18E-05
10350	437414.1	3763864	0.000156012	2.55E-05	1.18E-05
10351	437423.8	3763864	0.000156386	2.55E-05	1.19E-05
10352	437433.4	3763864	0.000156761	2.56E-05	1.19E-05
10353	437443.1	3763864	0.000157135	2.57E-05	1.19E-05
10354	437452.7	3763864	0.000157509	2.57E-05	1.19E-05
10355	437462.4	3763864	0.000157883	2.58E-05	1.20E-05
10356	437472	3763864	0.000158351	2.59E-05	1.20E-05
10357	437481.7	3763864	0.000158725	2.59E-05	1.20E-05
10358	437491.3	3763863	0.000159286	2.60E-05	1.21E-05
10359	437501	3763863	0.000159754	2.61E-05	1.21E-05
10360	437510.6	3763863	0.000160221	2.62E-05	1.21E-05
10361	437520.3	3763863	0.000160689	2.63E-05	1.22E-05
10362	437529.9	3763863	0.000161157	2.63E-05	1.22E-05
10363	437539.6	3763863	0.000161718	2.64E-05	1.23E-05
10364	437549.2	3763863	0.000162279	2.65E-05	1.23E-05
10365	437577.6	3763372	0.000575973	9.41E-05	4.36E-05
10366	437579.6	3763402	0.000508162	8.30E-05	3.85E-05
10367	437581.5	3763432	0.000454568	7.43E-05	3.44E-05
10368	437583.5	3763462	0.000410421	6.70E-05	3.11E-05
10369	437586.1	3763502	0.000363467	5.94E-05	2.75E-05
10370	437591.2	3763582	0.000295002	4.82E-05	2.24E-05
10371	437582.1	3763582	0.00029257	4.78E-05	2.22E-05
10372	437593.9	3763622	0.000267597	4.37E-05	2.03E-05
10373	437584.9	3763622	0.0002661	4.35E-05	2.02E-05
10374	437596.5	3763662	0.000241688	3.95E-05	1.83E-05
10375	437584.6	3763662	0.000240004	3.92E-05	1.82E-05
10376	437599.2	3763702	0.000221204	3.61E-05	1.68E-05
10377	437587.3	3763702	0.000219801	3.59E-05	1.67E-05
10378	437575.5	3763702	0.000218773	3.57E-05	1.66E-05
10379	437563.7	3763703	0.000218211	3.56E-05	1.65E-05
10380	437601.8	3763742	0.000205491	3.36E-05	1.56E-05
10381	437590.1	3763742	0.000204275	3.34E-05	1.55E-05
10382	437578.3	3763742	0.000203153	3.32E-05	1.54E-05
10383	437566.6	3763743	0.000202404	3.31E-05	1.53E-05
10384	437604.4	3763781	0.00019118	3.12E-05	1.45E-05
10385	437592.8	3763782	0.000189871	3.10E-05	1.44E-05
10386	437581.1	3763782	0.000188562	3.08E-05	1.43E-05
10387	437569.5	3763783	0.000187813	3.07E-05	1.42E-05
10388	437606.9	3763821	0.000178834	2.92E-05	1.36E-05
10389	437597.8	3763822	0.000177805	2.90E-05	1.35E-05
10390	437588.7	3763822	0.000176683	2.89E-05	1.34E-05
10391	437579.6	3763822	0.000175748	2.87E-05	1.33E-05
10392	437570.4	3763823	0.000174906	2.86E-05	1.33E-05
10393	437561.3	3763823	0.000174158	2.85E-05	1.32E-05
10394	437609.6	3763861	0.00016761	2.74E-05	1.27E-05

10395	437600.5	3763862	0.000166675	2.72E-05	1.26E-05
10396	437591.5	3763862	0.000165646	2.71E-05	1.26E-05
10397	437582.4	3763862	0.000164804	2.69E-05	1.25E-05
10398	437573.4	3763863	0.000163963	2.68E-05	1.24E-05
10399	437564.3	3763863	0.000163308	2.67E-05	1.24E-05
10400	438571.8	3763104	0.001562928	2.55E-04	1.18E-04
10401	439040.9	3762827	0.000651922	1.07E-04	4.94E-05
10402	439034.6	3762789	0.000634244	1.04E-04	4.81E-05
10403	439031.1	3762754	0.000615725	1.01E-04	4.67E-05
10404	439067.5	3762824	0.000629006	1.03E-04	4.77E-05
10405	439087.9	3762821	0.000612731	1.00E-04	4.64E-05
10406	439128.5	3762787	0.000566994	9.26E-05	4.30E-05
10407	439099.1	3762753	0.000568397	9.29E-05	4.31E-05
10408	439061.2	3762757	0.000595802	9.73E-05	4.51E-05
10409	438582.1	3763253	0.001417392	2.32E-04	1.07E-04
10410	438605.2	3763254	0.001370719	2.24E-04	1.04E-04
10411	438634	3763256	0.001316283	2.15E-04	9.97E-05
10412	438655	3763256	0.001279618	2.09E-04	9.70E-05
10413	438669	3763250	0.001255861	2.05E-04	9.52E-05
10414	438687.9	3763261	0.001214894	1.98E-04	9.21E-05
10415	438687.9	3763249	0.00122406	2.00E-04	9.28E-05
10416	438688.6	3763216	0.00124763	2.04E-04	9.45E-05
10417	438716.7	3763217	0.001196094	1.95E-04	9.06E-05
10418	438721.6	3763197	0.001195907	1.95E-04	9.06E-05
10419	438722.3	3763173	0.001201893	1.96E-04	9.11E-05
10420	438725.1	3763151	0.001201238	1.96E-04	9.10E-05
10421	438711.1	3763121	0.001229765	2.01E-04	9.32E-05
10422	438683	3763115	0.00128682	2.10E-04	9.75E-05
10423	438697.8	3763097	0.0012553	2.05E-04	9.51E-05
10424	438640.3	3763092	0.001383346	2.26E-04	1.05E-04

			T2		10404	T2L3			T4f		
					5.77E-08			9.31E-09			4.47E-09
					3763103.62						
	UTM X	UTM Y	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total	Yr 1	Yr 2	Total
1	437576.96	3762904.14	4.69E-07	1.60E-06	2.07E-06	7.29E-08	2.62E-07	3.34E-07	3.93E-08	1.21E-07	1.61E-07
2	437583.35	3762911.94	3.97E-07	1.35E-06	1.75E-06	6.16E-08	2.21E-07	2.83E-07	3.32E-08	1.02E-07	1.36E-07
3	437619.92	3762959.42	1.78E-07	6.07E-07	7.85E-07	2.77E-08	9.92E-08	1.27E-07	1.49E-08	4.60E-08	6.09E-08
4	437608.32	3762963.83	1.62E-07	5.54E-07	7.16E-07	2.52E-08	9.05E-08	1.16E-07	1.36E-08	4.20E-08	5.56E-08
5	437596.72	3762968.23	1.46E-07	4.99E-07	6.45E-07	2.27E-08	8.15E-08	1.04E-07	1.22E-08	3.78E-08	5.01E-08
6	437585.13	3762972.63	1.31E-07	4.45E-07	5.76E-07	2.03E-08	7.28E-08	9.31E-08	1.09E-08	3.38E-08	4.47E-08
7	437632.01	3762975.29	1.43E-07	4.89E-07	6.32E-07	2.23E-08	7.98E-08	1.02E-07	1.20E-08	3.70E-08	4.90E-08
8	437619.91	3762979.88	1.30E-07	4.44E-07	5.74E-07	2.02E-08	7.25E-08	9.28E-08	1.09E-08	3.36E-08	4.45E-08
9	437607.8	3762984.48	1.17E-07	3.99E-07	5.16E-07	1.82E-08	6.52E-08	8.34E-08	9.80E-09	3.02E-08	4.00E-08
10	437595.69	3762989.07	1.04E-07	3.56E-07	4.60E-07	1.62E-08	5.81E-08	7.44E-08	8.74E-09	2.70E-08	3.57E-08
11	437583.59	3762993.67	9.26E-08	3.16E-07	4.08E-07	1.44E-08	5.16E-08	6.60E-08	7.75E-09	2.39E-08	3.17E-08
12	437644.33	3762991.07	1.17E-07	4.00E-07	5.17E-07	1.82E-08	6.53E-08	8.35E-08	9.81E-09	3.03E-08	4.01E-08
13	437632.38	3762995.6	1.07E-07	3.66E-07	4.74E-07	1.67E-08	5.98E-08	7.65E-08	8.99E-09	2.78E-08	3.67E-08
14	437620.43	3763000.14	9.73E-08	3.32E-07	4.29E-07	1.51E-08	5.42E-08	6.93E-08	8.14E-09	2.51E-08	3.33E-08
15	437608.48	3763004.67	8.75E-08	2.98E-07	3.86E-07	1.36E-08	4.87E-08	6.23E-08	7.32E-09	2.26E-08	2.99E-08
16	437596.53	3763009.21	7.82E-08	2.67E-07	3.45E-07	1.22E-08	4.36E-08	5.57E-08	6.55E-09	2.02E-08	2.68E-08
17	437584.58	3763013.75	6.96E-08	2.37E-07	3.07E-07	1.08E-08	3.88E-08	4.96E-08	5.83E-09	1.80E-08	2.38E-08
18	437656.63	3763006.85	9.81E-08	3.35E-07	4.33E-07	1.52E-08	5.47E-08	6.99E-08	8.21E-09	2.54E-08	3.36E-08
19	437644.8	3763011.34	9.03E-08	3.08E-07	3.98E-07	1.40E-08	5.03E-08	6.44E-08	7.56E-09	2.33E-08	3.09E-08
20	437632.97	3763015.83	8.22E-08	2.80E-07	3.63E-07	1.28E-08	4.58E-08	5.86E-08	6.88E-09	2.13E-08	2.81E-08
21	437621.14	3763020.32	7.43E-08	2.53E-07	3.28E-07	1.15E-08	4.14E-08	5.30E-08	6.22E-09	1.92E-08	2.54E-08
22	437609.31	3763024.81	6.68E-08	2.28E-07	2.95E-07	1.04E-08	3.72E-08	4.76E-08	5.60E-09	1.73E-08	2.29E-08
23	437597.48	3763029.3	6.00E-08	2.05E-07	2.65E-07	9.33E-09	3.34E-08	4.28E-08	5.03E-09	1.55E-08	2.05E-08
24	437585.65	3763033.79	5.39E-08	1.84E-07	2.38E-07	8.38E-09	3.01E-08	3.84E-08	4.52E-09	1.39E-08	1.85E-08
25	437620.1	3763041.17	5.66E-08	1.93E-07	2.50E-07	8.79E-09	3.15E-08	4.03E-08	4.74E-09	1.46E-08	1.94E-08
26	437607.93	3763045.79	5.11E-08	1.74E-07	2.25E-07	7.93E-09	2.84E-08	3.64E-08	4.27E-09	1.32E-08	1.75E-08
27	437595.75	3763050.41	4.61E-08	1.57E-07	2.03E-07	7.16E-09	2.57E-08	3.28E-08	3.86E-09	1.19E-08	1.58E-08
28	437583.58	3763055.03	4.16E-08	1.42E-07	1.84E-07	6.47E-09	2.32E-08	2.97E-08	3.48E-09	1.08E-08	1.42E-08
29	437644.94	3763052.2	5.38E-08	1.83E-07	2.37E-07	8.36E-09	3.00E-08	3.83E-08	4.50E-09	1.39E-08	1.84E-08
30	437632.89	3763056.77	4.89E-08	1.67E-07	2.16E-07	7.60E-09	2.73E-08	3.49E-08	4.09E-09	1.26E-08	1.67E-08
31	437620.84	3763061.35	4.45E-08	1.52E-07	1.96E-07	6.91E-09	2.48E-08	3.17E-08	3.72E-09	1.15E-08	1.52E-08
32	437608.79	3763065.92	4.05E-08	1.38E-07	1.79E-07	6.29E-09	2.26E-08	2.88E-08	3.39E-09	1.05E-08	1.38E-08
33	437596.74	3763070.49	3.68E-08	1.25E-07	1.62E-07	5.71E-09	2.05E-08	2.62E-08	3.08E-09	9.50E-09	1.26E-08
34	437584.69	3763075.07	3.34E-08	1.14E-07	1.47E-07	5.20E-09	1.86E-08	2.38E-08	2.80E-09	8.64E-09	1.14E-08
35	437693.38	3763054.26	5.92E-08	2.02E-07	2.61E-07	9.20E-09	3.30E-08	4.22E-08	4.96E-09	1.53E-08	2.03E-08
36	437681.43	3763058.8	5.50E-08	1.87E-07	2.42E-07	8.54E-09	3.06E-08	3.92E-08	4.60E-09	1.42E-08	1.88E-08
37	437669.48	3763063.34	5.08E-08	1.73E-07	2.24E-07	7.89E-09	2.83E-08	3.62E-08	4.25E-09	1.31E-08	1.74E-08
38	437657.53	3763067.87	4.65E-08	1.59E-07	2.05E-07	7.23E-09	2.59E-08	3.31E-08	3.89E-09	1.20E-08	1.59E-08
39	437645.58	3763072.41	4.25E-08	1.45E-07	1.87E-07	6.60E-09	2.37E-08	3.03E-08	3.56E-09	1.10E-08	1.45E-08
40	437633.63	3763076.94	3.88E-08	1.32E-07	1.71E-07	6.03E-09	2.16E-08	2.77E-08	3.25E-09	1.00E-08	1.33E-08
41	437621.68	3763081.48	3.56E-08	1.21E-07	1.57E-07	5.53E-09	1.98E-08	2.53E-08	2.98E-09	9.19E-09	1.22E-08
42	437609.73	3763086.01	3.26E-08	1.11E-07	1.44E-07	5.06E-09	1.82E-08	2.32E-08	2.73E-09	8.42E-09	1.11E-08
43	437597.78	3763090.55	2.97E-08	1.01E-07	1.31E-07	4.62E-09	1.66E-08	2.12E-08	2.49E-09	7.68E-09	1.02E-08
44	437585.83	3763095.09	2.72E-08	9.26E-08	1.20E-07	4.22E-09	1.51E-08	1.94E-08	2.27E-09	7.02E-09	9.29E-09
45	437705.56	3763070.1	5.11E-08	1.74E-07	2.25E-07	7.94E-09	2.85E-08	3.64E-08	4.28E-09	1.32E-08	1.75E-08
46	437693.35	3763074.73	4.73E-08	1.61E-07	2.09E-07	7.35E-09	2.64E-08	3.37E-08	3.96E-09	1.22E-08	1.62E-08
47	437681.15	3763079.36	4.37E-08	1.49E-07	1.93E-07	6.79E-09	2.44E-08	3.12E-08	3.66E-09	1.13E-08	1.50E-08
48	437668.94	3763084	4.03E-08	1.38E-07	1.78E-07	6.27E-09	2.25E-08	2.87E-08	3.38E-09	1.04E-08	1.38E-08
49	437656.73	3763088.63	3.70E-08	1.26E-07	1.63E-07	5.74E-09	2.06E-08	2.63E-08	3.09E-09	9.55E-09	1.26E-08
50	437644.53	3763093.26	3.38E-08	1.15E-07	1.49E-07	5.25E-09	1.88E-08	2.41E-08	2.83E-09	8.74E-09	1.16E-08
51	437632.32	3763097.89	3.10E-08	1.06E-07	1.37E-07	4.81E-09	1.72E-08	2.21E-08	2.59E-09	8.00E-09	1.06E-08
52	437620.12	3763102.53	2.84E-08	9.67E-08	1.25E-07	4.41E-09	1.58E-08	2.02E-08	2.37E-09	7.33E-09	9.70E-09
53	437607.91	3763107.16	2.60E-08	8.85E-08	1.14E-07	4.03E-09	1.45E-08	1.85E-08	2.17E-09	6.71E-09	8.88E-09
54	437595.7	3763111.79	2.38E-08	8.11E-08	1.05E-07	3.70E-09	1.33E-08	1.69E-08	1.99E-09	6.15E-09	8.14E-09
55	437705.75	3763090.48	4.16E-08	1.42E-07	1.83E-07	6.46E-09	2.32E-08	2.96E-08	3.48E-09	1.07E-08	1.42E-08
56	437693.64	3763095.07	3.86E-08	1.32E-07	1.70E-07	5.99E-09	2.15E-08	2.75E-08	3.23E-09	9.97E-09	1.32E-08
57	437681.53	3763099.67	3.57E-08	1.22E-07	1.57E-07	5.54E-09	1.99E-08	2.54E-08	2.99E-09	9.22E-09	1.22E-08

58	437669.43	3763104.26	3.29E-08	1.12E-07	1.45E-07	5.11E-09	1.83E-08	2.34E-08	2.75E-09	8.49E-09	1.12E-08
59	437657.32	3763108.86	3.02E-08	1.03E-07	1.33E-07	4.69E-09	1.68E-08	2.15E-08	2.53E-09	7.80E-09	1.03E-08
60	437645.21	3763113.46	2.77E-08	9.45E-08	1.22E-07	4.30E-09	1.54E-08	1.97E-08	2.32E-09	7.16E-09	9.48E-09
61	437633.1	3763118.05	2.54E-08	8.66E-08	1.12E-07	3.94E-09	1.41E-08	1.81E-08	2.13E-09	6.56E-09	8.69E-09
62	437706.1	3763110.8	3.43E-08	1.17E-07	1.51E-07	5.34E-09	1.91E-08	2.45E-08	2.87E-09	8.87E-09	1.17E-08
63	437694.08	3763115.36	3.18E-08	1.09E-07	1.40E-07	4.95E-09	1.77E-08	2.27E-08	2.67E-09	8.23E-09	1.09E-08
64	437682.05	3763119.93	2.94E-08	1.00E-07	1.30E-07	4.57E-09	1.64E-08	2.09E-08	2.46E-09	7.60E-09	1.01E-08
65	437670.03	3763124.49	2.71E-08	9.25E-08	1.20E-07	4.21E-09	1.51E-08	1.93E-08	2.27E-09	7.01E-09	9.28E-09
66	437621.94	3763142.74	1.94E-08	6.61E-08	8.54E-08	3.01E-09	1.08E-08	1.38E-08	1.62E-09	5.01E-09	6.63E-09
67	437609.92	3763147.31	1.79E-08	6.10E-08	7.89E-08	2.78E-09	9.97E-09	1.28E-08	1.50E-09	4.63E-09	6.12E-09
68	437597.89	3763151.87	1.67E-08	5.71E-08	7.38E-08	2.60E-09	9.32E-09	1.19E-08	1.40E-09	4.32E-09	5.73E-09
69	437585.87	3763156.43	1.57E-08	5.35E-08	6.92E-08	2.44E-09	8.74E-09	1.12E-08	1.31E-09	4.06E-09	5.37E-09
70	437748.53	3763125.37	3.30E-08	1.12E-07	1.45E-07	5.12E-09	1.84E-08	2.35E-08	2.76E-09	8.52E-09	1.13E-08
71	437628.03	3763171.11	1.58E-08	5.37E-08	6.95E-08	2.45E-09	8.78E-09	1.12E-08	1.32E-09	4.07E-09	5.39E-09
72	437615.99	3763175.68	1.47E-08	5.01E-08	6.47E-08	2.28E-09	8.18E-09	1.05E-08	1.23E-09	3.79E-09	5.02E-09
73	437603.94	3763180.26	1.38E-08	4.70E-08	6.07E-08	2.14E-09	7.67E-09	9.81E-09	1.15E-09	3.56E-09	4.71E-09
74	437591.89	3763184.83	1.30E-08	4.43E-08	5.73E-08	2.02E-09	7.23E-09	9.25E-09	1.09E-09	3.36E-09	4.44E-09
75	437579.84	3763189.4	1.23E-08	4.18E-08	5.41E-08	1.91E-09	6.83E-09	8.74E-09	1.03E-09	3.17E-09	4.20E-09
76	437766.92	3763149.08	2.80E-08	9.54E-08	1.23E-07	4.35E-09	1.56E-08	1.99E-08	2.34E-09	7.23E-09	9.57E-09
77	437754.85	3763153.66	2.62E-08	8.93E-08	1.15E-07	4.07E-09	1.46E-08	1.87E-08	2.19E-09	6.77E-09	8.96E-09
78	437742.77	3763158.24	2.45E-08	8.36E-08	1.08E-07	3.81E-09	1.37E-08	1.75E-08	2.05E-09	6.34E-09	8.39E-09
79	437730.7	3763162.82	2.29E-08	7.82E-08	1.01E-07	3.56E-09	1.28E-08	1.63E-08	1.92E-09	5.93E-09	7.85E-09
80	437718.63	3763167.4	2.14E-08	7.31E-08	9.45E-08	3.33E-09	1.19E-08	1.53E-08	1.79E-09	5.54E-09	7.33E-09
81	437706.56	3763171.99	2.00E-08	6.82E-08	8.82E-08	3.11E-09	1.11E-08	1.42E-08	1.67E-09	5.17E-09	6.84E-09
82	437694.49	3763176.57	1.86E-08	6.34E-08	8.19E-08	2.89E-09	1.04E-08	1.32E-08	1.56E-09	4.80E-09	6.36E-09
83	437682.41	3763181.15	1.72E-08	5.87E-08	7.60E-08	2.68E-09	9.59E-09	1.23E-08	1.44E-09	4.45E-09	5.89E-09
84	437670.34	3763185.73	1.60E-08	5.46E-08	7.06E-08	2.49E-09	8.91E-09	1.14E-08	1.34E-09	4.14E-09	5.47E-09
85	437658.27	3763190.31	1.49E-08	5.08E-08	6.57E-08	2.31E-09	8.30E-09	1.06E-08	1.25E-09	3.85E-09	5.09E-09
86	437622.05	3763204.06	1.23E-08	4.18E-08	5.40E-08	1.90E-09	6.83E-09	8.73E-09	1.03E-09	3.17E-09	4.19E-09
87	437609.98	3763208.64	1.16E-08	3.95E-08	5.11E-08	1.80E-09	6.45E-09	8.25E-09	9.70E-10	2.99E-09	3.96E-09
88	437597.91	3763213.22	1.09E-08	3.73E-08	4.83E-08	1.70E-09	6.10E-09	7.80E-09	9.16E-10	2.83E-09	3.74E-09
89	437585.84	3763217.81	1.04E-08	3.53E-08	4.57E-08	1.61E-09	5.77E-09	7.38E-09	8.68E-10	2.68E-09	3.55E-09
90	437785.31	3763172.78	2.41E-08	8.21E-08	1.06E-07	3.74E-09	1.34E-08	1.72E-08	2.02E-09	6.22E-09	8.24E-09
91	437773.22	3763177.37	2.26E-08	7.70E-08	9.96E-08	3.51E-09	1.26E-08	1.61E-08	1.89E-09	5.83E-09	7.72E-09
92	437761.12	3763181.96	2.11E-08	7.20E-08	9.31E-08	3.28E-09	1.18E-08	1.50E-08	1.77E-09	5.45E-09	7.22E-09
93	437749.03	3763186.55	1.98E-08	6.74E-08	8.71E-08	3.07E-09	1.10E-08	1.41E-08	1.65E-09	5.10E-09	6.76E-09
94	437736.94	3763191.13	1.85E-08	6.29E-08	8.14E-08	2.87E-09	1.03E-08	1.31E-08	1.54E-09	4.77E-09	6.31E-09
95	437724.85	3763195.72	1.72E-08	5.88E-08	7.60E-08	2.68E-09	9.60E-09	1.23E-08	1.44E-09	4.45E-09	5.90E-09
96	437712.76	3763200.31	1.61E-08	5.50E-08	7.11E-08	2.50E-09	8.98E-09	1.15E-08	1.35E-09	4.17E-09	5.52E-09
97	437700.67	3763204.9	1.51E-08	5.15E-08	6.66E-08	2.34E-09	8.41E-09	1.08E-08	1.26E-09	3.90E-09	5.16E-09
98	437688.58	3763209.49	1.41E-08	4.81E-08	6.22E-08	2.19E-09	7.86E-09	1.01E-08	1.18E-09	3.65E-09	4.83E-09
99	437676.49	3763214.08	1.32E-08	4.51E-08	5.83E-08	2.05E-09	7.37E-09	9.42E-09	1.11E-09	3.42E-09	4.52E-09
100	437664.4	3763218.67	1.24E-08	4.23E-08	5.47E-08	1.93E-09	6.91E-09	8.84E-09	1.04E-09	3.21E-09	4.24E-09
101	437628.12	3763232.44	1.04E-08	3.54E-08	4.58E-08	1.61E-09	5.79E-09	7.40E-09	8.69E-10	2.68E-09	3.55E-09
102	437616.03	3763237.03	9.83E-09	3.35E-08	4.34E-08	1.53E-09	5.48E-09	7.01E-09	8.23E-10	2.54E-09	3.36E-09
103	437603.94	3763241.62	9.33E-09	3.18E-08	4.12E-08	1.45E-09	5.20E-09	6.65E-09	7.81E-10	2.41E-09	3.19E-09
104	437591.85	3763246.21	8.88E-09	3.03E-08	3.92E-08	1.38E-09	4.95E-09	6.33E-09	7.43E-10	2.30E-09	3.04E-09
105	437579.76	3763250.79	8.47E-09	2.89E-08	3.74E-08	1.32E-09	4.72E-09	6.04E-09	7.09E-10	2.19E-09	2.90E-09
106	437791.59	3763201.07	1.98E-08	6.75E-08	8.73E-08	3.08E-09	1.10E-08	1.41E-08	1.66E-09	5.12E-09	6.78E-09
107	437779.48	3763205.67	1.85E-08	6.32E-08	8.17E-08	2.88E-09	1.03E-08	1.32E-08	1.55E-09	4.79E-09	6.34E-09
108	437767.37	3763210.27	1.73E-08	5.90E-08	7.64E-08	2.69E-09	9.65E-09	1.23E-08	1.45E-09	4.47E-09	5.92E-09
109	437755.27	3763214.86	1.62E-08	5.51E-08	7.13E-08	2.51E-09	9.01E-09	1.15E-08	1.35E-09	4.18E-09	5.53E-09
110	437743.16	3763219.46	1.49E-08	5.07E-08	6.56E-08	2.31E-09	8.29E-09	1.06E-08	1.24E-09	3.84E-09	5.09E-09
111	437670.51	3763247.03	1.05E-08	3.57E-08	4.62E-08	1.63E-09	5.84E-09	7.46E-09	8.77E-10	2.71E-09	3.58E-09
112	437658.41	3763251.62	9.90E-09	3.38E-08	4.37E-08	1.54E-09	5.51E-09	7.05E-09	8.29E-10	2.56E-09	3.39E-09
113	437646.3	3763256.22	9.37E-09	3.20E-08	4.13E-08	1.46E-09	5.22E-09	6.68E-09	7.84E-10	2.42E-09	3.21E-09
114	437634.19	3763260.81	8.89E-09	3.03E-08	3.92E-08	1.38E-09	4.95E-09	6.33E-09	7.44E-10	2.30E-09	3.04E-09
115	437622.09	3763265.41	8.45E-09	2.88E-08	3.72E-08	1.31E-09	4.70E-09	6.02E-09	7.07E-10	2.18E-09	2.89E-09
116	437609.98	3763270.01	8.04E-09	2.74E-08	3.55E-08	1.25E-09	4.48E-09	5.73E-09	6.73E-10	2.08E-09	2.75E-09
117	437597.87	3763274.6	7.67E-09	2.62E-08	3.38E-08	1.19E-09	4.27E-09	5.47E-09	6.42E-10	1.98E-09	2.62E-09
118	437585.76	3763279.2	7.33E-09	2.50E-08	3.23E-08	1.14E-09	4.08E-09	5.22E-09	6.14E-10	1.89E-09	2.51E-09

119	437749.36	3763247.78	1.23E-08	4.21E-08	5.44E-08	1.92E-09	6.88E-09	8.80E-09	1.03E-09	3.19E-09	4.22E-09
120	437737.23	3763252.39	1.16E-08	3.94E-08	5.10E-08	1.80E-09	6.44E-09	8.24E-09	9.68E-10	2.99E-09	3.96E-09
121	437725.11	3763256.99	1.09E-08	3.71E-08	4.80E-08	1.69E-09	6.07E-09	7.76E-09	9.12E-10	2.81E-09	3.73E-09
122	437712.99	3763261.59	1.03E-08	3.52E-08	4.55E-08	1.60E-09	5.75E-09	7.35E-09	8.64E-10	2.67E-09	3.53E-09
123	437700.87	3763266.19	9.95E-09	3.39E-08	4.39E-08	1.55E-09	5.54E-09	7.09E-09	8.33E-10	2.57E-09	3.40E-09
124	437688.75	3763270.79	9.44E-09	3.22E-08	4.16E-08	1.47E-09	5.26E-09	6.72E-09	7.90E-10	2.44E-09	3.23E-09
125	437676.63	3763275.39	8.96E-09	3.05E-08	3.95E-08	1.39E-09	4.99E-09	6.38E-09	7.50E-10	2.31E-09	3.06E-09
126	437664.51	3763279.99	8.50E-09	2.90E-08	3.75E-08	1.32E-09	4.73E-09	6.05E-09	7.11E-10	2.20E-09	2.91E-09
127	437652.38	3763284.59	8.06E-09	2.75E-08	3.55E-08	1.25E-09	4.49E-09	5.74E-09	6.74E-10	2.08E-09	2.76E-09
128	437640.26	3763289.19	7.65E-09	2.61E-08	3.37E-08	1.19E-09	4.26E-09	5.45E-09	6.40E-10	1.98E-09	2.62E-09
129	437628.14	3763293.79	7.30E-09	2.49E-08	3.22E-08	1.13E-09	4.07E-09	5.20E-09	6.11E-10	1.89E-09	2.50E-09
130	437616.02	3763298.39	6.97E-09	2.38E-08	3.08E-08	1.08E-09	3.88E-09	4.97E-09	5.84E-10	1.80E-09	2.39E-09
131	437603.9	3763302.99	6.63E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.72E-09	5.55E-10	1.71E-09	2.27E-09
132	437591.78	3763307.59	6.42E-09	2.19E-08	2.83E-08	9.97E-10	3.58E-09	4.57E-09	5.37E-10	1.66E-09	2.20E-09
133	437840.48	3763243.88	1.63E-08	5.54E-08	7.17E-08	2.53E-09	9.05E-09	1.16E-08	1.36E-09	4.20E-09	5.56E-09
134	437828.34	3763248.49	1.54E-08	5.24E-08	6.78E-08	2.39E-09	8.56E-09	1.09E-08	1.29E-09	3.97E-09	5.26E-09
135	437816.21	3763253.09	1.45E-08	4.95E-08	6.40E-08	2.25E-09	8.08E-09	1.03E-08	1.21E-09	3.75E-09	4.96E-09
136	437804.07	3763257.7	1.36E-08	4.65E-08	6.01E-08	2.12E-09	7.59E-09	9.71E-09	1.14E-09	3.52E-09	4.66E-09
137	437791.94	3763262.3	1.28E-08	4.36E-08	5.64E-08	1.99E-09	7.13E-09	9.11E-09	1.07E-09	3.31E-09	4.38E-09
138	437779.81	3763266.91	1.18E-08	4.03E-08	5.21E-08	1.84E-09	6.58E-09	8.42E-09	9.89E-10	3.05E-09	4.04E-09
139	437767.67	3763271.51	1.11E-08	3.78E-08	4.88E-08	1.72E-09	6.17E-09	7.89E-09	9.27E-10	2.86E-09	3.79E-09
140	437755.54	3763276.12	1.04E-08	3.55E-08	4.59E-08	1.62E-09	5.80E-09	7.42E-09	8.71E-10	2.69E-09	3.56E-09
141	437743.4	3763280.72	9.85E-09	3.36E-08	4.34E-08	1.53E-09	5.49E-09	7.02E-09	8.24E-10	2.54E-09	3.37E-09
142	437731.27	3763285.33	9.51E-09	3.24E-08	4.19E-08	1.48E-09	5.30E-09	6.78E-09	7.96E-10	2.46E-09	3.25E-09
143	437719.14	3763289.94	9.03E-09	3.08E-08	3.98E-08	1.40E-09	5.03E-09	6.44E-09	7.56E-10	2.33E-09	3.09E-09
144	437707	3763294.54	8.60E-09	2.93E-08	3.79E-08	1.34E-09	4.79E-09	6.12E-09	7.19E-10	2.22E-09	2.94E-09
145	437694.87	3763299.15	8.18E-09	2.79E-08	3.61E-08	1.27E-09	4.56E-09	5.83E-09	6.85E-10	2.11E-09	2.80E-09
146	437682.73	3763303.75	7.77E-09	2.65E-08	3.43E-08	1.21E-09	4.33E-09	5.54E-09	6.51E-10	2.01E-09	2.66E-09
147	437670.6	3763308.36	7.39E-09	2.52E-08	3.26E-08	1.15E-09	4.12E-09	5.27E-09	6.19E-10	1.91E-09	2.53E-09
148	437658.47	3763312.96	7.04E-09	2.40E-08	3.10E-08	1.09E-09	3.92E-09	5.01E-09	5.89E-10	1.82E-09	2.41E-09
149	437646.33	3763317.57	6.71E-09	2.29E-08	2.96E-08	1.04E-09	3.74E-09	4.78E-09	5.61E-10	1.73E-09	2.29E-09
150	437585.66	3763340.6	5.53E-09	1.88E-08	2.44E-08	8.59E-10	3.08E-09	3.94E-09	4.63E-10	1.43E-09	1.89E-09
151	437858.87	3763267.58	1.44E-08	4.90E-08	6.33E-08	2.23E-09	8.00E-09	1.02E-08	1.20E-09	3.71E-09	4.91E-09
152	437846.72	3763272.19	1.36E-08	4.64E-08	6.00E-08	2.12E-09	7.59E-09	9.70E-09	1.14E-09	3.52E-09	4.66E-09
153	437834.58	3763276.8	1.29E-08	4.39E-08	5.68E-08	2.00E-09	7.18E-09	9.18E-09	1.08E-09	3.33E-09	4.41E-09
154	437822.43	3763281.41	1.22E-08	4.15E-08	5.37E-08	1.89E-09	6.78E-09	8.68E-09	1.02E-09	3.15E-09	4.17E-09
155	437810.29	3763286.02	1.15E-08	3.92E-08	5.06E-08	1.78E-09	6.40E-09	8.18E-09	9.61E-10	2.97E-09	3.93E-09
156	437798.14	3763290.63	1.08E-08	3.69E-08	4.78E-08	1.68E-09	6.04E-09	7.72E-09	9.07E-10	2.80E-09	3.71E-09
157	437786	3763295.24	1.00E-08	3.42E-08	4.43E-08	1.56E-09	5.59E-09	7.15E-09	8.40E-10	2.59E-09	3.43E-09
158	437773.85	3763299.85	9.44E-09	3.22E-08	4.16E-08	1.47E-09	5.26E-09	6.72E-09	7.90E-10	2.44E-09	3.23E-09
159	437761.71	3763304.46	8.90E-09	3.03E-08	3.92E-08	1.38E-09	4.96E-09	6.34E-09	7.45E-10	2.30E-09	3.04E-09
160	437749.56	3763309.07	8.47E-09	2.89E-08	3.74E-08	1.32E-09	4.72E-09	6.04E-09	7.09E-10	2.19E-09	2.90E-09
161	437737.42	3763313.68	8.23E-09	2.81E-08	3.63E-08	1.28E-09	4.59E-09	5.86E-09	6.89E-10	2.13E-09	2.82E-09
162	437725.27	3763318.29	7.86E-09	2.68E-08	3.47E-08	1.22E-09	4.38E-09	5.60E-09	6.58E-10	2.03E-09	2.69E-09
163	437664.55	3763341.34	6.21E-09	2.12E-08	2.74E-08	9.65E-10	3.46E-09	4.43E-09	5.20E-10	1.61E-09	2.13E-09
164	437652.4	3763345.95	5.96E-09	2.03E-08	2.63E-08	9.26E-10	3.32E-09	4.25E-09	4.99E-10	1.54E-09	2.04E-09
165	437640.26	3763350.56	5.73E-09	1.95E-08	2.53E-08	8.91E-10	3.19E-09	4.08E-09	4.80E-10	1.48E-09	1.96E-09
166	437628.11	3763355.16	5.52E-09	1.88E-08	2.43E-08	8.57E-10	3.07E-09	3.93E-09	4.62E-10	1.43E-09	1.89E-09
167	437615.97	3763359.77	5.32E-09	1.81E-08	2.35E-08	8.27E-10	2.96E-09	3.79E-09	4.45E-10	1.37E-09	1.82E-09
168	437603.82	3763364.38	5.14E-09	1.75E-08	2.26E-08	7.98E-10	2.86E-09	3.66E-09	4.30E-10	1.33E-09	1.76E-09
169	437591.68	3763368.99	4.96E-09	1.69E-08	2.19E-08	7.71E-10	2.77E-09	3.54E-09	4.16E-10	1.28E-09	1.70E-09
170	437877.26	3763291.28	1.29E-08	4.39E-08	5.68E-08	2.00E-09	7.17E-09	9.17E-09	1.08E-09	3.33E-09	4.40E-09
171	437865.1	3763295.9	1.22E-08	4.16E-08	5.38E-08	1.90E-09	6.80E-09	8.70E-09	1.02E-09	3.15E-09	4.18E-09
172	437852.95	3763300.51	1.16E-08	3.94E-08	5.10E-08	1.80E-09	6.44E-09	8.24E-09	9.68E-10	2.99E-09	3.96E-09
173	437840.79	3763305.12	1.09E-08	3.73E-08	4.82E-08	1.70E-09	6.09E-09	7.79E-09	9.15E-10	2.83E-09	3.74E-09
174	437828.64	3763309.74	1.02E-08	3.46E-08	4.48E-08	1.58E-09	5.66E-09	7.24E-09	8.51E-10	2.63E-09	3.48E-09
175	437816.48	3763314.35	9.57E-09	3.26E-08	4.22E-08	1.49E-09	5.33E-09	6.82E-09	8.01E-10	2.47E-09	3.27E-09
176	437804.33	3763318.96	9.04E-09	3.08E-08	3.99E-08	1.40E-09	5.04E-09	6.44E-09	7.57E-10	2.34E-09	3.09E-09
177	437743.56	3763342.03	7.01E-09	2.39E-08	3.09E-08	1.09E-09	3.91E-09	5.00E-09	5.87E-10	1.81E-09	2.40E-09
178	437731.4	3763346.64	6.82E-09	2.32E-08	3.01E-08	1.06E-09	3.80E-09	4.86E-09	5.70E-10	1.76E-09	2.33E-09
179	437719.25	3763351.26	6.52E-09	2.22E-08	2.87E-08	1.01E-09	3.63E-09	4.64E-09	5.46E-10	1.68E-09	2.23E-09

180	437694.94	3763360.48	5.99E-09	2.04E-08	2.64E-08	9.31E-10	3.34E-09	4.27E-09	5.02E-10	1.55E-09	2.05E-09
181	437682.78	3763365.1	5.75E-09	1.96E-08	2.54E-08	8.93E-10	3.20E-09	4.10E-09	4.81E-10	1.49E-09	1.97E-09
182	437670.63	3763369.71	5.52E-09	1.88E-08	2.44E-08	8.58E-10	3.08E-09	3.93E-09	4.62E-10	1.43E-09	1.89E-09
183	437658.47	3763374.32	5.31E-09	1.81E-08	2.34E-08	8.26E-10	2.96E-09	3.79E-09	4.45E-10	1.37E-09	1.82E-09
184	437646.32	3763378.94	5.12E-09	1.75E-08	2.26E-08	7.96E-10	2.85E-09	3.65E-09	4.29E-10	1.32E-09	1.75E-09
185	437634.16	3763383.55	4.95E-09	1.69E-08	2.18E-08	7.69E-10	2.76E-09	3.52E-09	4.14E-10	1.28E-09	1.69E-09
186	437622.01	3763388.16	4.78E-09	1.63E-08	2.11E-08	7.42E-10	2.66E-09	3.40E-09	4.00E-10	1.23E-09	1.63E-09
187	437609.85	3763392.78	4.61E-09	1.57E-08	2.03E-08	7.16E-10	2.57E-09	3.28E-09	3.86E-10	1.19E-09	1.58E-09
188	437597.7	3763397.39	4.46E-09	1.52E-08	1.96E-08	6.92E-10	2.48E-09	3.17E-09	3.73E-10	1.15E-09	1.52E-09
189	437895.65	3763314.98	1.16E-08	3.95E-08	5.11E-08	1.80E-09	6.45E-09	8.25E-09	9.70E-10	2.99E-09	3.96E-09
190	437883.48	3763319.6	1.10E-08	3.75E-08	4.85E-08	1.71E-09	6.13E-09	7.84E-09	9.21E-10	2.84E-09	3.77E-09
191	437834.83	3763338.07	8.73E-09	2.98E-08	3.85E-08	1.36E-09	4.86E-09	6.22E-09	7.31E-10	2.26E-09	2.99E-09
192	437822.67	3763342.68	8.24E-09	2.81E-08	3.64E-08	1.28E-09	4.59E-09	5.87E-09	6.90E-10	2.13E-09	2.82E-09
193	437810.5	3763347.3	7.81E-09	2.66E-08	3.45E-08	1.21E-09	4.35E-09	5.57E-09	6.54E-10	2.02E-09	2.67E-09
194	437798.34	3763351.92	7.42E-09	2.53E-08	3.27E-08	1.15E-09	4.13E-09	5.28E-09	6.21E-10	1.92E-09	2.54E-09
195	437786.18	3763356.53	7.04E-09	2.40E-08	3.11E-08	1.09E-09	3.92E-09	5.02E-09	5.90E-10	1.82E-09	2.41E-09
196	437774.01	3763361.15	6.71E-09	2.29E-08	2.96E-08	1.04E-09	3.74E-09	4.78E-09	5.62E-10	1.73E-09	2.30E-09
197	437761.85	3763365.77	6.41E-09	2.19E-08	2.83E-08	9.96E-10	3.57E-09	4.57E-09	5.37E-10	1.66E-09	2.19E-09
198	437749.69	3763370.38	6.15E-09	2.10E-08	2.71E-08	9.56E-10	3.43E-09	4.38E-09	5.15E-10	1.59E-09	2.10E-09
199	437737.52	3763375	5.91E-09	2.01E-08	2.61E-08	9.18E-10	3.29E-09	4.21E-09	4.95E-10	1.53E-09	2.02E-09
200	437725.36	3763379.62	5.76E-09	1.96E-08	2.54E-08	8.95E-10	3.21E-09	4.10E-09	4.82E-10	1.49E-09	1.97E-09
201	437688.87	3763393.47	5.14E-09	1.75E-08	2.27E-08	7.98E-10	2.86E-09	3.66E-09	4.30E-10	1.33E-09	1.76E-09
202	437676.71	3763398.08	4.96E-09	1.69E-08	2.19E-08	7.71E-10	2.76E-09	3.53E-09	4.15E-10	1.28E-09	1.70E-09
203	437664.54	3763402.7	4.80E-09	1.64E-08	2.12E-08	7.45E-10	2.67E-09	3.42E-09	4.01E-10	1.24E-09	1.64E-09
204	437652.38	3763407.32	4.64E-09	1.58E-08	2.05E-08	7.21E-10	2.58E-09	3.30E-09	3.88E-10	1.20E-09	1.59E-09
205	437640.22	3763411.93	4.49E-09	1.53E-08	1.98E-08	6.97E-10	2.50E-09	3.20E-09	3.76E-10	1.16E-09	1.54E-09
206	437628.05	3763416.55	4.32E-09	1.47E-08	1.90E-08	6.71E-10	2.41E-09	3.08E-09	3.62E-10	1.12E-09	1.48E-09
207	437615.89	3763421.17	4.16E-09	1.42E-08	1.84E-08	6.47E-10	2.32E-09	2.97E-09	3.49E-10	1.08E-09	1.42E-09
208	437603.72	3763425.78	4.00E-09	1.37E-08	1.77E-08	6.22E-10	2.23E-09	2.85E-09	3.35E-10	1.03E-09	1.37E-09
209	437591.56	3763430.4	3.88E-09	1.32E-08	1.71E-08	6.02E-10	2.16E-09	2.76E-09	3.24E-10	1.00E-09	1.33E-09
210	437914.04	3763338.68	1.03E-08	3.53E-08	4.56E-08	1.61E-09	5.76E-09	7.37E-09	8.65E-10	2.67E-09	3.54E-09
211	437901.87	3763343.3	9.80E-09	3.34E-08	4.32E-08	1.52E-09	5.46E-09	6.98E-09	8.20E-10	2.53E-09	3.35E-09
212	437889.7	3763347.92	9.29E-09	3.17E-08	4.10E-08	1.44E-09	5.18E-09	6.62E-09	7.78E-10	2.40E-09	3.18E-09
213	437877.53	3763352.54	8.82E-09	3.01E-08	3.89E-08	1.37E-09	4.91E-09	6.28E-09	7.38E-10	2.28E-09	3.02E-09
214	437865.35	3763357.16	8.39E-09	2.86E-08	3.70E-08	1.30E-09	4.68E-09	5.98E-09	7.03E-10	2.17E-09	2.87E-09
215	437853.18	3763361.78	7.98E-09	2.72E-08	3.52E-08	1.24E-09	4.45E-09	5.69E-09	6.68E-10	2.06E-09	2.73E-09
216	437841.01	3763366.4	7.55E-09	2.58E-08	3.33E-08	1.17E-09	4.21E-09	5.38E-09	6.32E-10	1.95E-09	2.58E-09
217	437828.84	3763371.02	7.14E-09	2.43E-08	3.15E-08	1.11E-09	3.98E-09	5.09E-09	5.98E-10	1.84E-09	2.44E-09
218	437816.67	3763375.64	6.77E-09	2.31E-08	2.98E-08	1.05E-09	3.77E-09	4.82E-09	5.66E-10	1.75E-09	2.31E-09
219	437804.5	3763380.26	6.44E-09	2.20E-08	2.84E-08	1.00E-09	3.59E-09	4.59E-09	5.39E-10	1.66E-09	2.20E-09
220	437792.33	3763384.88	6.14E-09	2.09E-08	2.71E-08	9.54E-10	3.42E-09	4.37E-09	5.14E-10	1.59E-09	2.10E-09
221	437780.15	3763389.5	5.88E-09	2.01E-08	2.59E-08	9.14E-10	3.28E-09	4.19E-09	4.92E-10	1.52E-09	2.01E-09
222	437767.98	3763394.12	5.66E-09	1.93E-08	2.49E-08	8.79E-10	3.15E-09	4.03E-09	4.73E-10	1.46E-09	1.93E-09
223	437755.81	3763398.74	5.45E-09	1.86E-08	2.40E-08	8.46E-10	3.03E-09	3.88E-09	4.56E-10	1.41E-09	1.86E-09
224	437743.64	3763403.36	5.23E-09	1.78E-08	2.31E-08	8.13E-10	2.91E-09	3.73E-09	4.38E-10	1.35E-09	1.79E-09
225	437731.47	3763407.98	5.03E-09	1.72E-08	2.22E-08	7.82E-10	2.80E-09	3.58E-09	4.21E-10	1.30E-09	1.72E-09
226	437719.3	3763412.6	4.87E-09	1.66E-08	2.15E-08	7.57E-10	2.71E-09	3.47E-09	4.08E-10	1.26E-09	1.67E-09
227	437694.96	3763421.84	4.61E-09	1.57E-08	2.03E-08	7.17E-10	2.57E-09	3.29E-09	3.86E-10	1.19E-09	1.58E-09
228	437682.78	3763426.46	4.47E-09	1.52E-08	1.97E-08	6.94E-10	2.49E-09	3.18E-09	3.74E-10	1.15E-09	1.53E-09
229	437670.61	3763431.08	4.34E-09	1.48E-08	1.91E-08	6.74E-10	2.42E-09	3.09E-09	3.63E-10	1.12E-09	1.48E-09
230	437658.44	3763435.7	4.19E-09	1.43E-08	1.85E-08	6.52E-10	2.34E-09	2.99E-09	3.51E-10	1.08E-09	1.43E-09
231	437646.27	3763440.32	4.05E-09	1.38E-08	1.79E-08	6.30E-10	2.26E-09	2.89E-09	3.39E-10	1.05E-09	1.39E-09
232	437634.1	3763444.94	3.91E-09	1.33E-08	1.73E-08	6.08E-10	2.18E-09	2.79E-09	3.28E-10	1.01E-09	1.34E-09
233	437621.93	3763449.55	3.76E-09	1.28E-08	1.66E-08	5.85E-10	2.10E-09	2.68E-09	3.15E-10	9.72E-10	1.29E-09
234	437609.76	3763454.17	3.64E-09	1.24E-08	1.61E-08	5.66E-10	2.03E-09	2.59E-09	3.05E-10	9.41E-10	1.25E-09
235	437597.58	3763458.79	3.53E-09	1.20E-08	1.56E-08	5.49E-10	1.97E-09	2.52E-09	2.96E-10	9.12E-10	1.21E-09
236	437938.59	3763370.27	9.10E-09	3.10E-08	4.01E-08	1.41E-09	5.07E-09	6.49E-09	7.62E-10	2.35E-09	3.11E-09
237	437926.51	3763374.86	8.65E-09	2.95E-08	3.82E-08	1.34E-09	4.82E-09	6.17E-09	7.24E-10	2.24E-09	2.96E-09
238	437914.42	3763379.45	8.23E-09	2.81E-08	3.63E-08	1.28E-09	4.59E-09	5.86E-09	6.89E-10	2.13E-09	2.82E-09
239	437902.33	3763384.03	7.83E-09	2.67E-08	3.45E-08	1.22E-09	4.36E-09	5.58E-09	6.56E-10	2.02E-09	2.68E-09
240	437890.24	3763388.62	7.46E-09	2.54E-08	3.29E-08	1.16E-09	4.15E-09	5.31E-09	6.24E-10	1.93E-09	2.55E-09

241	437878.16	3763393.21	7.10E-09	2.42E-08	3.13E-08	1.10E-09	3.95E-09	5.06E-09	5.94E-10	1.83E-09	2.43E-09
242	437866.07	3763397.8	6.76E-09	2.31E-08	2.98E-08	1.05E-09	3.77E-09	4.82E-09	5.66E-10	1.75E-09	2.31E-09
243	437853.98	3763402.39	6.45E-09	2.20E-08	2.84E-08	1.00E-09	3.59E-09	4.59E-09	5.40E-10	1.67E-09	2.21E-09
244	437841.89	3763406.97	6.14E-09	2.09E-08	2.71E-08	9.54E-10	3.42E-09	4.37E-09	5.14E-10	1.59E-09	2.10E-09
245	437829.81	3763411.56	5.84E-09	1.99E-08	2.57E-08	9.07E-10	3.25E-09	4.16E-09	4.88E-10	1.51E-09	2.00E-09
246	437817.72	3763416.15	5.55E-09	1.89E-08	2.45E-08	8.62E-10	3.09E-09	3.95E-09	4.65E-10	1.43E-09	1.90E-09
247	437805.63	3763420.74	5.29E-09	1.80E-08	2.33E-08	8.22E-10	2.95E-09	3.77E-09	4.43E-10	1.37E-09	1.81E-09
248	437745.19	3763443.68	4.40E-09	1.50E-08	1.94E-08	6.83E-10	2.45E-09	3.13E-09	3.68E-10	1.14E-09	1.50E-09
249	437733.11	3763448.26	4.26E-09	1.45E-08	1.88E-08	6.62E-10	2.37E-09	3.03E-09	3.56E-10	1.10E-09	1.46E-09
250	437721.02	3763452.85	4.14E-09	1.41E-08	1.82E-08	6.43E-10	2.30E-09	2.95E-09	3.46E-10	1.07E-09	1.42E-09
251	437696.85	3763462.03	3.92E-09	1.34E-08	1.73E-08	6.08E-10	2.18E-09	2.79E-09	3.28E-10	1.01E-09	1.34E-09
252	437684.76	3763466.61	3.80E-09	1.30E-08	1.68E-08	5.90E-10	2.12E-09	2.71E-09	3.18E-10	9.82E-10	1.30E-09
253	437672.67	3763471.2	3.69E-09	1.26E-08	1.63E-08	5.73E-10	2.05E-09	2.63E-09	3.08E-10	9.52E-10	1.26E-09
254	437660.58	3763475.79	3.58E-09	1.22E-08	1.58E-08	5.56E-10	1.99E-09	2.55E-09	2.99E-10	9.25E-10	1.22E-09
255	437648.5	3763480.38	3.48E-09	1.19E-08	1.53E-08	5.40E-10	1.94E-09	2.48E-09	2.91E-10	8.98E-10	1.19E-09
256	437636.41	3763484.97	3.37E-09	1.15E-08	1.49E-08	5.24E-10	1.88E-09	2.40E-09	2.82E-10	8.72E-10	1.15E-09
257	437624.32	3763489.55	3.28E-09	1.12E-08	1.45E-08	5.10E-10	1.83E-09	2.34E-09	2.75E-10	8.47E-10	1.12E-09
258	437612.23	3763494.14	3.19E-09	1.09E-08	1.41E-08	4.96E-10	1.78E-09	2.27E-09	2.67E-10	8.25E-10	1.09E-09
259	437600.15	3763498.73	3.11E-09	1.06E-08	1.37E-08	4.83E-10	1.73E-09	2.22E-09	2.60E-10	8.04E-10	1.06E-09
260	437950.96	3763406.49	7.62E-09	2.60E-08	3.36E-08	1.18E-09	4.25E-09	5.43E-09	6.38E-10	1.97E-09	2.61E-09
261	437938.81	3763411.1	7.28E-09	2.48E-08	3.21E-08	1.13E-09	4.06E-09	5.19E-09	6.10E-10	1.88E-09	2.49E-09
262	437926.67	3763415.71	6.96E-09	2.37E-08	3.07E-08	1.08E-09	3.88E-09	4.96E-09	5.83E-10	1.80E-09	2.38E-09
263	437914.52	3763420.31	6.65E-09	2.27E-08	2.93E-08	1.03E-09	3.71E-09	4.74E-09	5.57E-10	1.72E-09	2.28E-09
264	437853.8	3763443.36	5.23E-09	1.78E-08	2.31E-08	8.13E-10	2.91E-09	3.73E-09	4.38E-10	1.35E-09	1.79E-09
265	437841.65	3763447.97	5.00E-09	1.70E-08	2.20E-08	7.77E-10	2.79E-09	3.56E-09	4.18E-10	1.29E-09	1.71E-09
266	437829.51	3763452.58	4.79E-09	1.63E-08	2.11E-08	7.44E-10	2.67E-09	3.41E-09	4.01E-10	1.24E-09	1.64E-09
267	437817.36	3763457.19	4.59E-09	1.57E-08	2.02E-08	7.13E-10	2.56E-09	3.27E-09	3.84E-10	1.19E-09	1.57E-09
268	437805.22	3763461.8	4.42E-09	1.51E-08	1.95E-08	6.87E-10	2.46E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
269	437793.07	3763466.41	4.27E-09	1.46E-08	1.88E-08	6.63E-10	2.38E-09	3.04E-09	3.57E-10	1.10E-09	1.46E-09
270	437780.93	3763471.02	4.13E-09	1.41E-08	1.82E-08	6.41E-10	2.30E-09	2.94E-09	3.45E-10	1.07E-09	1.41E-09
271	437768.78	3763475.63	4.00E-09	1.36E-08	1.76E-08	6.21E-10	2.23E-09	2.85E-09	3.35E-10	1.03E-09	1.37E-09
272	437756.64	3763480.24	3.88E-09	1.32E-08	1.71E-08	6.03E-10	2.16E-09	2.76E-09	3.25E-10	1.00E-09	1.33E-09
273	437744.49	3763484.85	3.78E-09	1.29E-08	1.66E-08	5.87E-10	2.10E-09	2.69E-09	3.16E-10	9.75E-10	1.29E-09
274	437732.35	3763489.46	3.68E-09	1.25E-08	1.62E-08	5.71E-10	2.05E-09	2.62E-09	3.08E-10	9.50E-10	1.26E-09
275	437720.2	3763494.07	3.58E-09	1.22E-08	1.58E-08	5.56E-10	1.99E-09	2.55E-09	2.99E-10	9.25E-10	1.22E-09
276	437695.91	3763503.29	3.39E-09	1.15E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.83E-10	8.75E-10	1.16E-09
277	437683.77	3763507.9	3.30E-09	1.12E-08	1.45E-08	5.12E-10	1.84E-09	2.35E-09	2.76E-10	8.52E-10	1.13E-09
278	437671.62	3763512.51	3.21E-09	1.09E-08	1.42E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.30E-10	1.10E-09
279	437659.48	3763517.12	3.12E-09	1.07E-08	1.38E-08	4.85E-10	1.74E-09	2.23E-09	2.61E-10	8.07E-10	1.07E-09
280	437647.33	3763521.73	3.04E-09	1.04E-08	1.34E-08	4.72E-10	1.69E-09	2.17E-09	2.54E-10	7.85E-10	1.04E-09
281	437635.19	3763526.34	2.96E-09	1.01E-08	1.31E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.65E-10	1.01E-09
282	437987.61	3763433.48	7.14E-09	2.44E-08	3.15E-08	1.11E-09	3.98E-09	5.09E-09	5.98E-10	1.85E-09	2.44E-09
283	437951.02	3763447.37	6.22E-09	2.12E-08	2.74E-08	9.67E-10	3.47E-09	4.43E-09	5.21E-10	1.61E-09	2.13E-09
284	437938.82	3763452	5.95E-09	2.03E-08	2.62E-08	9.24E-10	3.31E-09	4.24E-09	4.98E-10	1.54E-09	2.04E-09
285	437926.63	3763456.63	5.70E-09	1.94E-08	2.51E-08	8.86E-10	3.18E-09	4.06E-09	4.77E-10	1.47E-09	1.95E-09
286	437914.43	3763461.26	5.48E-09	1.87E-08	2.42E-08	8.51E-10	3.05E-09	3.90E-09	4.59E-10	1.42E-09	1.87E-09
287	437902.23	3763465.89	5.25E-09	1.79E-08	2.32E-08	8.16E-10	2.93E-09	3.74E-09	4.40E-10	1.36E-09	1.80E-09
288	437890.04	3763470.52	5.02E-09	1.71E-08	2.21E-08	7.80E-10	2.80E-09	3.58E-09	4.20E-10	1.30E-09	1.72E-09
289	437877.84	3763475.14	4.80E-09	1.64E-08	2.12E-08	7.46E-10	2.68E-09	3.42E-09	4.02E-10	1.24E-09	1.64E-09
290	437865.64	3763479.77	4.60E-09	1.57E-08	2.03E-08	7.14E-10	2.56E-09	3.28E-09	3.85E-10	1.19E-09	1.57E-09
291	437853.45	3763484.4	4.40E-09	1.50E-08	1.94E-08	6.84E-10	2.45E-09	3.14E-09	3.69E-10	1.14E-09	1.51E-09
292	437841.25	3763489.03	4.23E-09	1.44E-08	1.86E-08	6.57E-10	2.35E-09	3.01E-09	3.54E-10	1.09E-09	1.45E-09
293	437829.05	3763493.66	4.07E-09	1.39E-08	1.79E-08	6.32E-10	2.27E-09	2.90E-09	3.40E-10	1.05E-09	1.39E-09
294	437816.86	3763498.29	3.92E-09	1.34E-08	1.73E-08	6.09E-10	2.18E-09	2.79E-09	3.28E-10	1.01E-09	1.34E-09
295	437804.66	3763502.92	3.80E-09	1.29E-08	1.67E-08	5.90E-10	2.12E-09	2.71E-09	3.18E-10	9.81E-10	1.30E-09
296	437792.47	3763507.55	3.68E-09	1.26E-08	1.62E-08	5.72E-10	2.05E-09	2.62E-09	3.08E-10	9.52E-10	1.26E-09
297	437780.27	3763512.18	3.58E-09	1.22E-08	1.58E-08	5.57E-10	2.00E-09	2.55E-09	3.00E-10	9.26E-10	1.23E-09
298	437768.07	3763516.81	3.48E-09	1.19E-08	1.54E-08	5.41E-10	1.94E-09	2.48E-09	2.92E-10	9.00E-10	1.19E-09
299	437755.88	3763521.44	3.39E-09	1.16E-08	1.49E-08	5.27E-10	1.89E-09	2.41E-09	2.84E-10	8.76E-10	1.16E-09
300	437743.68	3763526.07	3.30E-09	1.12E-08	1.45E-08	5.12E-10	1.84E-09	2.35E-09	2.76E-10	8.52E-10	1.13E-09
301	437731.48	3763530.7	3.21E-09	1.09E-08	1.41E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.29E-10	1.10E-09

302	437682.7	3763549.21	2.91E-09	9.93E-09	1.28E-08	4.53E-10	1.62E-09	2.08E-09	2.44E-10	7.53E-10	9.96E-10
303	437670.5	3763553.84	2.84E-09	9.70E-09	1.25E-08	4.42E-10	1.58E-09	2.03E-09	2.38E-10	7.35E-10	9.73E-10
304	437658.3	3763558.47	2.78E-09	9.47E-09	1.22E-08	4.31E-10	1.55E-09	1.98E-09	2.32E-10	7.17E-10	9.50E-10
305	437646.11	3763563.1	2.71E-09	9.25E-09	1.20E-08	4.21E-10	1.51E-09	1.93E-09	2.27E-10	7.01E-10	9.28E-10
306	437633.91	3763567.73	2.65E-09	9.03E-09	1.17E-08	4.12E-10	1.48E-09	1.89E-09	2.22E-10	6.84E-10	9.06E-10
307	437621.71	3763572.36	2.59E-09	8.83E-09	1.14E-08	4.03E-10	1.44E-09	1.85E-09	2.17E-10	6.69E-10	8.86E-10
308	437609.52	3763576.99	2.54E-09	8.65E-09	1.12E-08	3.94E-10	1.41E-09	1.81E-09	2.12E-10	6.55E-10	8.68E-10
309	438012.16	3763465.07	6.47E-09	2.21E-08	2.85E-08	1.01E-09	3.60E-09	4.61E-09	5.42E-10	1.67E-09	2.21E-09
310	438000.04	3763469.67	6.22E-09	2.12E-08	2.74E-08	9.66E-10	3.46E-09	4.43E-09	5.21E-10	1.61E-09	2.13E-09
311	437987.91	3763474.27	5.94E-09	2.03E-08	2.62E-08	9.23E-10	3.31E-09	4.23E-09	4.97E-10	1.53E-09	2.03E-09
312	437951.54	3763488.08	5.22E-09	1.78E-08	2.30E-08	8.12E-10	2.91E-09	3.72E-09	4.37E-10	1.35E-09	1.79E-09
313	437939.41	3763492.68	5.03E-09	1.72E-08	2.22E-08	7.82E-10	2.80E-09	3.59E-09	4.21E-10	1.30E-09	1.72E-09
314	437927.29	3763497.28	4.95E-09	1.69E-08	2.18E-08	7.69E-10	2.76E-09	3.53E-09	4.14E-10	1.28E-09	1.69E-09
315	437915.17	3763501.89	4.76E-09	1.62E-08	2.10E-08	7.40E-10	2.65E-09	3.39E-09	3.99E-10	1.23E-09	1.63E-09
316	437903.04	3763506.49	4.57E-09	1.56E-08	2.02E-08	7.10E-10	2.55E-09	3.26E-09	3.83E-10	1.18E-09	1.56E-09
317	437890.92	3763511.09	4.29E-09	1.46E-08	1.89E-08	6.67E-10	2.39E-09	3.06E-09	3.59E-10	1.11E-09	1.47E-09
318	437878.79	3763515.69	4.12E-09	1.40E-08	1.82E-08	6.40E-10	2.29E-09	2.93E-09	3.45E-10	1.06E-09	1.41E-09
319	437866.67	3763520.29	3.95E-09	1.35E-08	1.74E-08	6.13E-10	2.20E-09	2.81E-09	3.30E-10	1.02E-09	1.35E-09
320	437854.55	3763524.89	3.79E-09	1.29E-08	1.67E-08	5.89E-10	2.11E-09	2.70E-09	3.17E-10	9.79E-10	1.30E-09
321	437842.42	3763529.5	3.65E-09	1.25E-08	1.61E-08	5.67E-10	2.03E-09	2.60E-09	3.06E-10	9.44E-10	1.25E-09
322	437830.3	3763534.1	3.53E-09	1.20E-08	1.56E-08	5.49E-10	1.97E-09	2.52E-09	2.96E-10	9.13E-10	1.21E-09
323	437769.68	3763557.11	3.07E-09	1.05E-08	1.35E-08	4.77E-10	1.71E-09	2.19E-09	2.57E-10	7.94E-10	1.05E-09
324	437757.55	3763561.71	2.99E-09	1.02E-08	1.32E-08	4.64E-10	1.66E-09	2.13E-09	2.50E-10	7.72E-10	1.02E-09
325	437745.43	3763566.31	2.91E-09	9.94E-09	1.29E-08	4.53E-10	1.62E-09	2.08E-09	2.44E-10	7.53E-10	9.97E-10
326	437733.3	3763570.91	2.85E-09	9.70E-09	1.25E-08	4.42E-10	1.59E-09	2.03E-09	2.38E-10	7.35E-10	9.73E-10
327	437721.18	3763575.51	2.78E-09	9.49E-09	1.23E-08	4.33E-10	1.55E-09	1.98E-09	2.33E-10	7.19E-10	9.52E-10
328	437709.06	3763580.12	2.73E-09	9.29E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.04E-10	9.32E-10
329	437696.93	3763584.72	2.67E-09	9.09E-09	1.18E-08	4.14E-10	1.49E-09	1.90E-09	2.23E-10	6.89E-10	9.12E-10
330	437684.81	3763589.32	2.61E-09	8.90E-09	1.15E-08	4.05E-10	1.45E-09	1.86E-09	2.18E-10	6.74E-10	8.93E-10
331	437672.68	3763593.92	2.55E-09	8.71E-09	1.13E-08	3.97E-10	1.42E-09	1.82E-09	2.14E-10	6.60E-10	8.74E-10
332	437660.56	3763598.52	2.49E-09	8.50E-09	1.10E-08	3.87E-10	1.39E-09	1.78E-09	2.09E-10	6.44E-10	8.53E-10
333	437648.44	3763603.12	2.43E-09	8.30E-09	1.07E-08	3.78E-10	1.36E-09	1.73E-09	2.04E-10	6.29E-10	8.33E-10
334	437636.31	3763607.73	2.38E-09	8.12E-09	1.05E-08	3.70E-10	1.33E-09	1.70E-09	1.99E-10	6.15E-10	8.15E-10
335	437624.19	3763612.33	2.33E-09	7.96E-09	1.03E-08	3.63E-10	1.30E-09	1.66E-09	1.95E-10	6.03E-10	7.99E-10
336	437612.06	3763616.93	2.29E-09	7.81E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.92E-10	7.84E-10
337	438036.67	3763496.68	5.83E-09	1.99E-08	2.57E-08	9.05E-10	3.25E-09	4.15E-09	4.88E-10	1.51E-09	1.99E-09
338	438024.5	3763501.3	5.60E-09	1.91E-08	2.47E-08	8.71E-10	3.12E-09	3.99E-09	4.69E-10	1.45E-09	1.92E-09
339	438012.33	3763505.92	5.38E-09	1.84E-08	2.37E-08	8.36E-10	3.00E-09	3.84E-09	4.51E-10	1.39E-09	1.84E-09
340	438000.16	3763510.54	5.17E-09	1.76E-08	2.28E-08	8.04E-10	2.88E-09	3.69E-09	4.33E-10	1.34E-09	1.77E-09
341	437987.98	3763515.15	4.97E-09	1.70E-08	2.19E-08	7.73E-10	2.77E-09	3.54E-09	4.16E-10	1.29E-09	1.70E-09
342	437951.47	3763529.01	4.55E-09	1.55E-08	2.01E-08	7.07E-10	2.54E-09	3.24E-09	3.81E-10	1.18E-09	1.56E-09
343	437939.3	3763533.63	4.38E-09	1.49E-08	1.93E-08	6.81E-10	2.44E-09	3.12E-09	3.67E-10	1.13E-09	1.50E-09
344	437927.13	3763538.25	4.21E-09	1.43E-08	1.86E-08	6.54E-10	2.34E-09	3.00E-09	3.52E-10	1.09E-09	1.44E-09
345	437878.44	3763556.73	3.52E-09	1.20E-08	1.55E-08	5.47E-10	1.96E-09	2.51E-09	2.95E-10	9.10E-10	1.21E-09
346	437866.27	3763561.35	3.40E-09	1.16E-08	1.50E-08	5.28E-10	1.89E-09	2.42E-09	2.85E-10	8.79E-10	1.16E-09
347	437854.1	3763565.97	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.34E-09	2.75E-10	8.50E-10	1.13E-09
348	437841.93	3763570.59	3.19E-09	1.09E-08	1.41E-08	4.96E-10	1.78E-09	2.27E-09	2.67E-10	8.25E-10	1.09E-09
349	437829.76	3763575.21	3.10E-09	1.06E-08	1.37E-08	4.82E-10	1.73E-09	2.21E-09	2.60E-10	8.02E-10	1.06E-09
350	437817.58	3763579.83	3.02E-09	1.03E-08	1.33E-08	4.70E-10	1.68E-09	2.15E-09	2.53E-10	7.81E-10	1.03E-09
351	437805.41	3763584.45	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.01E-09
352	437793.24	3763589.07	2.86E-09	9.75E-09	1.26E-08	4.44E-10	1.59E-09	2.04E-09	2.39E-10	7.39E-10	9.79E-10
353	437781.07	3763593.69	2.79E-09	9.50E-09	1.23E-08	4.33E-10	1.55E-09	1.99E-09	2.33E-10	7.20E-10	9.53E-10
354	437768.9	3763598.31	2.72E-09	9.27E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.03E-10	9.30E-10
355	437756.73	3763602.93	2.66E-09	9.07E-09	1.17E-08	4.13E-10	1.48E-09	1.89E-09	2.23E-10	6.87E-10	9.09E-10
356	437744.56	3763607.55	2.60E-09	8.88E-09	1.15E-08	4.05E-10	1.45E-09	1.86E-09	2.18E-10	6.73E-10	8.91E-10
357	437732.38	3763612.17	2.55E-09	8.70E-09	1.13E-08	3.97E-10	1.42E-09	1.82E-09	2.14E-10	6.59E-10	8.73E-10
358	437720.21	3763616.79	2.50E-09	8.52E-09	1.10E-08	3.88E-10	1.39E-09	1.78E-09	2.09E-10	6.46E-10	8.55E-10
359	437708.04	3763621.41	2.45E-09	8.34E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.05E-10	6.32E-10	8.37E-10
360	437695.87	3763626.03	2.39E-09	8.16E-09	1.06E-08	3.72E-10	1.33E-09	1.70E-09	2.00E-10	6.18E-10	8.18E-10
361	437683.7	3763630.65	2.34E-09	7.96E-09	1.03E-08	3.63E-10	1.30E-09	1.66E-09	1.95E-10	6.03E-10	7.99E-10
362	437671.53	3763635.27	2.28E-09	7.77E-09	1.00E-08	3.54E-10	1.27E-09	1.62E-09	1.91E-10	5.89E-10	7.79E-10

363	437659.36	3763639.89	2.23E-09	7.60E-09	9.82E-09	3.46E-10	1.24E-09	1.59E-09	1.86E-10	5.76E-10	7.62E-10
364	437647.18	3763644.51	2.18E-09	7.43E-09	9.61E-09	3.39E-10	1.21E-09	1.55E-09	1.82E-10	5.63E-10	7.45E-10
365	437635.01	3763649.13	2.13E-09	7.28E-09	9.41E-09	3.32E-10	1.19E-09	1.52E-09	1.79E-10	5.52E-10	7.30E-10
366	437622.84	3763653.75	2.09E-09	7.14E-09	9.24E-09	3.25E-10	1.17E-09	1.49E-09	1.75E-10	5.41E-10	7.17E-10
367	437610.67	3763658.37	2.05E-09	7.01E-09	9.06E-09	3.19E-10	1.14E-09	1.46E-09	1.72E-10	5.31E-10	7.03E-10
368	438061.22	3763528.27	5.27E-09	1.80E-08	2.33E-08	8.20E-10	2.94E-09	3.76E-09	4.41E-10	1.36E-09	1.80E-09
369	438049.11	3763532.86	5.06E-09	1.72E-08	2.23E-08	7.86E-10	2.82E-09	3.60E-09	4.23E-10	1.31E-09	1.73E-09
370	438037	3763537.46	4.84E-09	1.65E-08	2.14E-08	7.53E-10	2.70E-09	3.45E-09	4.05E-10	1.25E-09	1.66E-09
371	437952.25	3763569.63	3.74E-09	1.28E-08	1.65E-08	5.82E-10	2.09E-09	2.67E-09	3.13E-10	9.67E-10	1.28E-09
372	437940.14	3763574.22	3.62E-09	1.23E-08	1.60E-08	5.63E-10	2.02E-09	2.58E-09	3.03E-10	9.36E-10	1.24E-09
373	437928.04	3763578.82	3.50E-09	1.19E-08	1.54E-08	5.44E-10	1.95E-09	2.49E-09	2.93E-10	9.04E-10	1.20E-09
374	437915.93	3763583.41	3.39E-09	1.16E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.84E-10	8.75E-10	1.16E-09
375	437903.82	3763588.01	3.28E-09	1.12E-08	1.45E-08	5.10E-10	1.83E-09	2.34E-09	2.75E-10	8.48E-10	1.12E-09
376	437891.71	3763592.6	3.18E-09	1.09E-08	1.40E-08	4.94E-10	1.77E-09	2.27E-09	2.66E-10	8.22E-10	1.09E-09
377	437879.61	3763597.2	3.09E-09	1.05E-08	1.36E-08	4.80E-10	1.72E-09	2.20E-09	2.59E-10	7.98E-10	1.06E-09
378	437867.5	3763601.79	3.00E-09	1.02E-08	1.32E-08	4.66E-10	1.67E-09	2.13E-09	2.51E-10	7.74E-10	1.03E-09
379	437855.39	3763606.39	2.91E-09	9.92E-09	1.28E-08	4.52E-10	1.62E-09	2.07E-09	2.44E-10	7.52E-10	9.95E-10
380	437843.28	3763610.98	2.83E-09	9.65E-09	1.25E-08	4.40E-10	1.58E-09	2.02E-09	2.37E-10	7.31E-10	9.68E-10
381	437831.18	3763615.58	2.76E-09	9.40E-09	1.22E-08	4.28E-10	1.54E-09	1.96E-09	2.31E-10	7.12E-10	9.43E-10
382	437819.07	3763620.17	2.69E-09	9.16E-09	1.18E-08	4.17E-10	1.50E-09	1.91E-09	2.25E-10	6.94E-10	9.19E-10
383	437806.96	3763624.77	2.63E-09	8.96E-09	1.16E-08	4.08E-10	1.46E-09	1.87E-09	2.20E-10	6.79E-10	8.99E-10
384	437794.86	3763629.37	2.57E-09	8.76E-09	1.13E-08	3.99E-10	1.43E-09	1.83E-09	2.15E-10	6.64E-10	8.79E-10
385	437782.75	3763633.96	2.52E-09	8.58E-09	1.11E-08	3.91E-10	1.40E-09	1.79E-09	2.11E-10	6.50E-10	8.61E-10
386	437770.64	3763638.56	2.46E-09	8.40E-09	1.09E-08	3.83E-10	1.37E-09	1.75E-09	2.06E-10	6.36E-10	8.43E-10
387	437758.53	3763643.15	2.41E-09	8.23E-09	1.06E-08	3.75E-10	1.34E-09	1.72E-09	2.02E-10	6.23E-10	8.25E-10
388	437746.43	3763647.75	2.37E-09	8.07E-09	1.04E-08	3.68E-10	1.32E-09	1.69E-09	1.98E-10	6.12E-10	8.10E-10
389	437734.32	3763652.34	2.32E-09	7.92E-09	1.02E-08	3.61E-10	1.29E-09	1.65E-09	1.94E-10	6.00E-10	7.95E-10
390	437722.21	3763656.94	2.27E-09	7.76E-09	1.00E-08	3.53E-10	1.27E-09	1.62E-09	1.90E-10	5.88E-10	7.78E-10
391	437710.1	3763661.53	2.22E-09	7.59E-09	9.81E-09	3.46E-10	1.24E-09	1.58E-09	1.86E-10	5.75E-10	7.61E-10
392	437698	3763666.13	2.17E-09	7.41E-09	9.59E-09	3.38E-10	1.21E-09	1.55E-09	1.82E-10	5.62E-10	7.44E-10
393	437685.89	3763670.72	2.13E-09	7.25E-09	9.37E-09	3.30E-10	1.18E-09	1.51E-09	1.78E-10	5.49E-10	7.27E-10
394	437613.25	3763698.3	1.88E-09	6.41E-09	8.28E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.85E-10	6.43E-10
395	438085.73	3763559.87	4.74E-09	1.62E-08	2.09E-08	7.36E-10	2.64E-09	3.38E-09	3.97E-10	1.22E-09	1.62E-09
396	438073.58	3763564.48	4.55E-09	1.55E-08	2.01E-08	7.08E-10	2.54E-09	3.24E-09	3.81E-10	1.18E-09	1.56E-09
397	438061.43	3763569.09	4.38E-09	1.49E-08	1.93E-08	6.80E-10	2.44E-09	3.12E-09	3.66E-10	1.13E-09	1.50E-09
398	438049.27	3763573.71	4.21E-09	1.44E-08	1.86E-08	6.54E-10	2.34E-09	3.00E-09	3.52E-10	1.09E-09	1.44E-09
399	438037.12	3763578.32	4.05E-09	1.38E-08	1.79E-08	6.29E-10	2.26E-09	2.88E-09	3.39E-10	1.05E-09	1.38E-09
400	438024.97	3763582.93	3.90E-09	1.33E-08	1.72E-08	6.05E-10	2.17E-09	2.78E-09	3.26E-10	1.01E-09	1.33E-09
401	438012.82	3763587.54	3.75E-09	1.28E-08	1.65E-08	5.83E-10	2.09E-09	2.67E-09	3.14E-10	9.70E-10	1.28E-09
402	438000.67	3763592.15	3.62E-09	1.23E-08	1.60E-08	5.62E-10	2.02E-09	2.58E-09	3.03E-10	9.35E-10	1.24E-09
403	437988.52	3763596.77	3.51E-09	1.20E-08	1.55E-08	5.45E-10	1.95E-09	2.50E-09	2.93E-10	9.06E-10	1.20E-09
404	437952.07	3763610.6	3.21E-09	1.10E-08	1.42E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.30E-10	1.10E-09
405	437939.92	3763615.21	3.12E-09	1.07E-08	1.38E-08	4.86E-10	1.74E-09	2.23E-09	2.62E-10	8.07E-10	1.07E-09
406	437927.77	3763619.83	3.04E-09	1.04E-08	1.34E-08	4.72E-10	1.69E-09	2.17E-09	2.54E-10	7.86E-10	1.04E-09
407	437915.61	3763624.44	2.97E-09	1.01E-08	1.31E-08	4.61E-10	1.65E-09	2.11E-09	2.48E-10	7.66E-10	1.01E-09
408	437903.46	3763629.05	2.89E-09	9.85E-09	1.27E-08	4.49E-10	1.61E-09	2.06E-09	2.42E-10	7.47E-10	9.88E-10
409	437891.31	3763633.66	2.82E-09	9.60E-09	1.24E-08	4.37E-10	1.57E-09	2.01E-09	2.36E-10	7.27E-10	9.63E-10
410	437879.16	3763638.27	2.74E-09	9.36E-09	1.21E-08	4.26E-10	1.53E-09	1.95E-09	2.30E-10	7.09E-10	9.39E-10
411	437867.01	3763642.89	2.67E-09	9.09E-09	1.18E-08	4.14E-10	1.49E-09	1.90E-09	2.23E-10	6.89E-10	9.12E-10
412	437854.86	3763647.5	2.59E-09	8.84E-09	1.14E-08	4.03E-10	1.44E-09	1.85E-09	2.17E-10	6.70E-10	8.87E-10
413	437842.71	3763652.11	2.53E-09	8.63E-09	1.12E-08	3.93E-10	1.41E-09	1.80E-09	2.12E-10	6.54E-10	8.66E-10
414	437830.56	3763656.72	2.48E-09	8.45E-09	1.09E-08	3.85E-10	1.38E-09	1.77E-09	2.07E-10	6.40E-10	8.48E-10
415	437818.41	3763661.33	2.43E-09	8.27E-09	1.07E-08	3.77E-10	1.35E-09	1.73E-09	2.03E-10	6.27E-10	8.30E-10
416	437806.26	3763665.95	2.37E-09	8.09E-09	1.05E-08	3.69E-10	1.32E-09	1.69E-09	1.99E-10	6.13E-10	8.12E-10
417	437794.11	3763670.56	2.32E-09	7.92E-09	1.02E-08	3.61E-10	1.29E-09	1.66E-09	1.95E-10	6.00E-10	7.95E-10
418	437721.2	3763698.23	2.07E-09	7.05E-09	9.12E-09	3.21E-10	1.15E-09	1.47E-09	1.73E-10	5.35E-10	7.08E-10
419	437709.05	3763702.84	2.03E-09	6.92E-09	8.95E-09	3.15E-10	1.13E-09	1.45E-09	1.70E-10	5.24E-10	6.94E-10
420	437696.9	3763707.45	1.99E-09	6.79E-09	8.78E-09	3.09E-10	1.11E-09	1.42E-09	1.67E-10	5.15E-10	6.81E-10
421	437684.75	3763712.07	1.95E-09	6.65E-09	8.60E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.67E-10
422	437672.6	3763716.68	1.91E-09	6.51E-09	8.42E-09	2.97E-10	1.06E-09	1.36E-09	1.60E-10	4.93E-10	6.53E-10
423	437660.45	3763721.29	1.87E-09	6.38E-09	8.25E-09	2.91E-10	1.04E-09	1.33E-09	1.57E-10	4.83E-10	6.40E-10

424	437648.29	3763725.9	1.83E-09	6.25E-09	8.08E-09	2.85E-10	1.02E-09	1.31E-09	1.53E-10	4.73E-10	6.27E-10
425	437636.14	3763730.51	1.80E-09	6.13E-09	7.93E-09	2.79E-10	1.00E-09	1.28E-09	1.50E-10	4.65E-10	6.15E-10
426	437623.99	3763735.12	1.77E-09	6.02E-09	7.79E-09	2.74E-10	9.84E-10	1.26E-09	1.48E-10	4.56E-10	6.04E-10
427	437611.84	3763739.74	1.73E-09	5.91E-09	7.65E-09	2.70E-10	9.66E-10	1.24E-09	1.45E-10	4.48E-10	5.93E-10
428	438110.24	3763591.47	4.35E-09	1.48E-08	1.92E-08	6.76E-10	2.42E-09	3.10E-09	3.64E-10	1.12E-09	1.49E-09
429	438098.05	3763596.1	4.19E-09	1.43E-08	1.85E-08	6.51E-10	2.34E-09	2.99E-09	3.51E-10	1.08E-09	1.43E-09
430	438085.86	3763600.73	4.04E-09	1.38E-08	1.78E-08	6.28E-10	2.25E-09	2.88E-09	3.38E-10	1.04E-09	1.38E-09
431	438073.67	3763605.36	3.89E-09	1.33E-08	1.71E-08	6.04E-10	2.17E-09	2.77E-09	3.25E-10	1.00E-09	1.33E-09
432	438061.48	3763609.98	3.74E-09	1.28E-08	1.65E-08	5.81E-10	2.08E-09	2.67E-09	3.13E-10	9.67E-10	1.28E-09
433	438049.29	3763614.61	3.60E-09	1.23E-08	1.59E-08	5.60E-10	2.01E-09	2.57E-09	3.02E-10	9.31E-10	1.23E-09
434	438037.09	3763619.24	3.48E-09	1.19E-08	1.53E-08	5.40E-10	1.94E-09	2.48E-09	2.91E-10	8.98E-10	1.19E-09
435	438024.9	3763623.86	3.36E-09	1.15E-08	1.48E-08	5.22E-10	1.87E-09	2.39E-09	2.81E-10	8.68E-10	1.15E-09
436	438012.71	3763628.49	3.26E-09	1.11E-08	1.44E-08	5.06E-10	1.82E-09	2.32E-09	2.73E-10	8.42E-10	1.11E-09
437	438000.52	3763633.12	3.17E-09	1.08E-08	1.40E-08	4.92E-10	1.76E-09	2.26E-09	2.65E-10	8.18E-10	1.08E-09
438	437988.33	3763637.75	3.08E-09	1.05E-08	1.36E-08	4.79E-10	1.72E-09	2.20E-09	2.58E-10	7.97E-10	1.05E-09
439	437951.76	3763651.63	2.86E-09	9.77E-09	1.26E-08	4.45E-10	1.60E-09	2.04E-09	2.40E-10	7.40E-10	9.80E-10
440	437939.57	3763656.26	2.79E-09	9.51E-09	1.23E-08	4.33E-10	1.55E-09	1.99E-09	2.33E-10	7.21E-10	9.54E-10
441	437927.37	3763660.88	2.71E-09	9.26E-09	1.20E-08	4.22E-10	1.51E-09	1.93E-09	2.27E-10	7.01E-10	9.29E-10
442	437915.18	3763665.51	2.65E-09	9.02E-09	1.17E-08	4.11E-10	1.47E-09	1.88E-09	2.21E-10	6.84E-10	9.05E-10
443	437902.99	3763670.14	2.58E-09	8.80E-09	1.14E-08	4.01E-10	1.44E-09	1.84E-09	2.16E-10	6.67E-10	8.83E-10
444	437829.85	3763697.9	2.25E-09	7.66E-09	9.91E-09	3.49E-10	1.25E-09	1.60E-09	1.88E-10	5.81E-10	7.69E-10
445	437817.66	3763702.53	2.20E-09	7.50E-09	9.70E-09	3.42E-10	1.23E-09	1.57E-09	1.84E-10	5.68E-10	7.53E-10
446	437805.46	3763707.15	2.15E-09	7.35E-09	9.50E-09	3.35E-10	1.20E-09	1.54E-09	1.80E-10	5.57E-10	7.37E-10
447	437793.27	3763711.78	2.11E-09	7.20E-09	9.31E-09	3.28E-10	1.18E-09	1.50E-09	1.77E-10	5.45E-10	7.22E-10
448	437781.08	3763716.41	2.07E-09	7.06E-09	9.13E-09	3.22E-10	1.15E-09	1.47E-09	1.73E-10	5.35E-10	7.08E-10
449	437768.89	3763721.04	2.03E-09	6.93E-09	8.96E-09	3.16E-10	1.13E-09	1.45E-09	1.70E-10	5.25E-10	6.95E-10
450	437756.7	3763725.66	2.00E-09	6.80E-09	8.80E-09	3.10E-10	1.11E-09	1.42E-09	1.67E-10	5.16E-10	6.83E-10
451	437744.51	3763730.29	1.96E-09	6.69E-09	8.65E-09	3.05E-10	1.09E-09	1.40E-09	1.64E-10	5.07E-10	6.71E-10
452	437732.32	3763734.92	1.93E-09	6.58E-09	8.51E-09	3.00E-10	1.07E-09	1.37E-09	1.61E-10	4.98E-10	6.60E-10
453	437720.13	3763739.54	1.89E-09	6.45E-09	8.35E-09	2.94E-10	1.05E-09	1.35E-09	1.58E-10	4.89E-10	6.47E-10
454	437707.94	3763744.17	1.86E-09	6.33E-09	8.18E-09	2.88E-10	1.03E-09	1.32E-09	1.55E-10	4.80E-10	6.35E-10
455	437695.75	3763748.8	1.82E-09	6.21E-09	8.03E-09	2.83E-10	1.01E-09	1.30E-09	1.52E-10	4.70E-10	6.23E-10
456	437683.55	3763753.43	1.79E-09	6.09E-09	7.88E-09	2.78E-10	9.95E-10	1.27E-09	1.50E-10	4.62E-10	6.11E-10
457	437671.36	3763758.05	1.75E-09	5.98E-09	7.74E-09	2.73E-10	9.77E-10	1.25E-09	1.47E-10	4.53E-10	6.00E-10
458	437659.17	3763762.68	1.72E-09	5.87E-09	7.59E-09	2.68E-10	9.59E-10	1.23E-09	1.44E-10	4.45E-10	5.89E-10
459	437646.98	3763767.31	1.69E-09	5.77E-09	7.46E-09	2.63E-10	9.42E-10	1.20E-09	1.42E-10	4.37E-10	5.78E-10
460	437634.79	3763771.93	1.66E-09	5.66E-09	7.32E-09	2.58E-10	9.25E-10	1.18E-09	1.39E-10	4.29E-10	5.68E-10
461	437622.6	3763776.56	1.63E-09	5.57E-09	7.20E-09	2.54E-10	9.09E-10	1.16E-09	1.37E-10	4.22E-10	5.58E-10
462	438134.78	3763623.07	4.01E-09	1.37E-08	1.77E-08	6.24E-10	2.24E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
463	438122.65	3763627.67	3.87E-09	1.32E-08	1.71E-08	6.01E-10	2.16E-09	2.76E-09	3.24E-10	1.00E-09	1.32E-09
464	438110.52	3763632.28	3.74E-09	1.28E-08	1.65E-08	5.81E-10	2.08E-09	2.66E-09	3.13E-10	9.66E-10	1.28E-09
465	438098.38	3763636.88	3.62E-09	1.23E-08	1.59E-08	5.62E-10	2.01E-09	2.58E-09	3.03E-10	9.34E-10	1.24E-09
466	438086.25	3763641.49	3.49E-09	1.19E-08	1.54E-08	5.43E-10	1.95E-09	2.49E-09	2.92E-10	9.02E-10	1.19E-09
467	438074.12	3763646.09	3.36E-09	1.15E-08	1.48E-08	5.22E-10	1.87E-09	2.40E-09	2.81E-10	8.69E-10	1.15E-09
468	438061.98	3763650.7	3.24E-09	1.10E-08	1.43E-08	5.03E-10	1.80E-09	2.31E-09	2.71E-10	8.37E-10	1.11E-09
469	438049.85	3763655.3	3.13E-09	1.07E-08	1.38E-08	4.86E-10	1.74E-09	2.23E-09	2.62E-10	8.08E-10	1.07E-09
470	438037.71	3763659.91	3.03E-09	1.03E-08	1.33E-08	4.70E-10	1.69E-09	2.16E-09	2.53E-10	7.82E-10	1.04E-09
471	438025.58	3763664.52	2.94E-09	1.00E-08	1.30E-08	4.56E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.00E-09
472	437940.64	3763696.75	2.45E-09	8.37E-09	1.08E-08	3.81E-10	1.37E-09	1.75E-09	2.05E-10	6.34E-10	8.39E-10
473	437928.51	3763701.36	2.40E-09	8.17E-09	1.06E-08	3.72E-10	1.33E-09	1.71E-09	2.01E-10	6.19E-10	8.20E-10
474	437916.37	3763705.97	2.34E-09	7.99E-09	1.03E-08	3.64E-10	1.30E-09	1.67E-09	1.96E-10	6.05E-10	8.01E-10
475	437904.24	3763710.57	2.29E-09	7.81E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.92E-10	7.84E-10
476	437892.11	3763715.18	2.25E-09	7.66E-09	9.91E-09	3.49E-10	1.25E-09	1.60E-09	1.88E-10	5.81E-10	7.69E-10
477	437879.97	3763719.78	2.20E-09	7.52E-09	9.72E-09	3.42E-10	1.23E-09	1.57E-09	1.84E-10	5.70E-10	7.54E-10
478	437867.84	3763724.39	2.16E-09	7.38E-09	9.55E-09	3.36E-10	1.21E-09	1.54E-09	1.81E-10	5.59E-10	7.41E-10
479	437855.7	3763728.99	2.13E-09	7.25E-09	9.37E-09	3.30E-10	1.18E-09	1.51E-09	1.78E-10	5.49E-10	7.27E-10
480	437843.57	3763733.6	2.09E-09	7.12E-09	9.20E-09	3.24E-10	1.16E-09	1.49E-09	1.75E-10	5.39E-10	7.14E-10
481	437831.44	3763738.2	2.05E-09	6.99E-09	9.04E-09	3.18E-10	1.14E-09	1.46E-09	1.72E-10	5.29E-10	7.01E-10
482	437819.3	3763742.81	2.01E-09	6.86E-09	8.87E-09	3.13E-10	1.12E-09	1.43E-09	1.68E-10	5.20E-10	6.88E-10
483	437807.17	3763747.41	1.97E-09	6.73E-09	8.70E-09	3.06E-10	1.10E-09	1.41E-09	1.65E-10	5.10E-10	6.75E-10
484	437795.03	3763752.02	1.93E-09	6.60E-09	8.53E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.00E-10	6.62E-10

485	437782.9	3763756.63	1.90E-09	6.48E-09	8.38E-09	2.95E-10	1.06E-09	1.35E-09	1.59E-10	4.91E-10	6.50E-10
486	437770.77	3763761.23	1.87E-09	6.37E-09	8.23E-09	2.90E-10	1.04E-09	1.33E-09	1.56E-10	4.82E-10	6.39E-10
487	437758.63	3763765.84	1.83E-09	6.25E-09	8.09E-09	2.85E-10	1.02E-09	1.31E-09	1.54E-10	4.74E-10	6.27E-10
488	437746.5	3763770.44	1.80E-09	6.14E-09	7.95E-09	2.80E-10	1.00E-09	1.28E-09	1.51E-10	4.66E-10	6.16E-10
489	437734.37	3763775.05	1.77E-09	6.04E-09	7.81E-09	2.75E-10	9.86E-10	1.26E-09	1.48E-10	4.58E-10	6.06E-10
490	437722.23	3763779.65	1.74E-09	5.94E-09	7.68E-09	2.71E-10	9.70E-10	1.24E-09	1.46E-10	4.50E-10	5.96E-10
491	437710.1	3763784.26	1.71E-09	5.84E-09	7.56E-09	2.66E-10	9.55E-10	1.22E-09	1.43E-10	4.43E-10	5.86E-10
492	437697.96	3763788.86	1.69E-09	5.75E-09	7.44E-09	2.62E-10	9.40E-10	1.20E-09	1.41E-10	4.36E-10	5.77E-10
493	437685.83	3763793.47	1.66E-09	5.66E-09	7.32E-09	2.58E-10	9.24E-10	1.18E-09	1.39E-10	4.29E-10	5.68E-10
494	437673.7	3763798.08	1.63E-09	5.57E-09	7.21E-09	2.54E-10	9.10E-10	1.16E-09	1.37E-10	4.22E-10	5.59E-10
495	437661.56	3763802.68	1.61E-09	5.48E-09	7.09E-09	2.50E-10	8.95E-10	1.14E-09	1.35E-10	4.15E-10	5.50E-10
496	437649.43	3763807.29	1.58E-09	5.39E-09	6.97E-09	2.45E-10	8.80E-10	1.13E-09	1.32E-10	4.08E-10	5.40E-10
497	437637.29	3763811.89	1.55E-09	5.30E-09	6.85E-09	2.41E-10	8.65E-10	1.11E-09	1.30E-10	4.01E-10	5.31E-10
498	437625.16	3763816.5	1.53E-09	5.21E-09	6.74E-09	2.37E-10	8.51E-10	1.09E-09	1.28E-10	3.95E-10	5.22E-10
499	438159.3	3763654.67	3.72E-09	1.27E-08	1.64E-08	5.77E-10	2.07E-09	2.65E-09	3.11E-10	9.60E-10	1.27E-09
500	438147.13	3763659.29	3.59E-09	1.22E-08	1.58E-08	5.58E-10	2.00E-09	2.56E-09	3.00E-10	9.27E-10	1.23E-09
501	438134.96	3763663.91	3.46E-09	1.18E-08	1.53E-08	5.38E-10	1.93E-09	2.47E-09	2.90E-10	8.95E-10	1.18E-09
502	438122.78	3763668.53	3.34E-09	1.14E-08	1.48E-08	5.20E-10	1.86E-09	2.38E-09	2.80E-10	8.64E-10	1.14E-09
503	438037.58	3763700.87	2.65E-09	9.03E-09	1.17E-08	4.12E-10	1.48E-09	1.89E-09	2.22E-10	6.84E-10	9.06E-10
504	438025.41	3763705.49	2.58E-09	8.78E-09	1.14E-08	4.00E-10	1.43E-09	1.84E-09	2.16E-10	6.66E-10	8.81E-10
505	438013.24	3763710.11	2.50E-09	8.54E-09	1.10E-08	3.89E-10	1.39E-09	1.78E-09	2.10E-10	6.47E-10	8.57E-10
506	438001.07	3763714.73	2.44E-09	8.31E-09	1.07E-08	3.79E-10	1.36E-09	1.74E-09	2.04E-10	6.30E-10	8.33E-10
507	437988.9	3763719.35	2.38E-09	8.13E-09	1.05E-08	3.70E-10	1.33E-09	1.70E-09	2.00E-10	6.16E-10	8.16E-10
508	437976.73	3763723.97	2.34E-09	7.97E-09	1.03E-08	3.63E-10	1.30E-09	1.66E-09	1.96E-10	6.04E-10	7.99E-10
509	437940.21	3763737.82	2.19E-09	7.46E-09	9.64E-09	3.40E-10	1.22E-09	1.56E-09	1.83E-10	5.65E-10	7.48E-10
510	437928.04	3763742.44	2.15E-09	7.32E-09	9.46E-09	3.33E-10	1.20E-09	1.53E-09	1.80E-10	5.55E-10	7.34E-10
511	437915.87	3763747.06	2.11E-09	7.18E-09	9.29E-09	3.27E-10	1.17E-09	1.50E-09	1.76E-10	5.44E-10	7.21E-10
512	437903.7	3763751.68	2.07E-09	7.05E-09	9.12E-09	3.21E-10	1.15E-09	1.47E-09	1.73E-10	5.35E-10	7.08E-10
513	437891.53	3763756.3	2.03E-09	6.93E-09	8.96E-09	3.16E-10	1.13E-09	1.45E-09	1.70E-10	5.25E-10	6.95E-10
514	437879.36	3763760.92	1.99E-09	6.80E-09	8.80E-09	3.10E-10	1.11E-09	1.42E-09	1.67E-10	5.15E-10	6.82E-10
515	437867.19	3763765.54	1.96E-09	6.68E-09	8.64E-09	3.04E-10	1.09E-09	1.40E-09	1.64E-10	5.06E-10	6.70E-10
516	437855.01	3763770.16	1.92E-09	6.56E-09	8.48E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.97E-10	6.58E-10
517	437842.84	3763774.78	1.89E-09	6.45E-09	8.35E-09	2.94E-10	1.05E-09	1.35E-09	1.58E-10	4.89E-10	6.47E-10
518	437830.67	3763779.4	1.86E-09	6.35E-09	8.21E-09	2.89E-10	1.04E-09	1.33E-09	1.56E-10	4.81E-10	6.37E-10
519	437818.5	3763784.02	1.83E-09	6.25E-09	8.08E-09	2.85E-10	1.02E-09	1.30E-09	1.53E-10	4.73E-10	6.27E-10
520	437806.33	3763788.64	1.80E-09	6.14E-09	7.95E-09	2.80E-10	1.00E-09	1.28E-09	1.51E-10	4.66E-10	6.16E-10
521	437794.16	3763793.26	1.77E-09	6.05E-09	7.82E-09	2.76E-10	9.88E-10	1.26E-09	1.48E-10	4.58E-10	6.07E-10
522	437781.99	3763797.88	1.75E-09	5.95E-09	7.70E-09	2.71E-10	9.72E-10	1.24E-09	1.46E-10	4.51E-10	5.97E-10
523	437769.81	3763802.5	1.72E-09	5.86E-09	7.58E-09	2.67E-10	9.57E-10	1.22E-09	1.44E-10	4.44E-10	5.88E-10
524	437757.64	3763807.12	1.69E-09	5.77E-09	7.46E-09	2.63E-10	9.42E-10	1.21E-09	1.42E-10	4.37E-10	5.79E-10
525	437745.47	3763811.74	1.66E-09	5.67E-09	7.34E-09	2.59E-10	9.27E-10	1.19E-09	1.39E-10	4.30E-10	5.69E-10
526	437733.3	3763816.36	1.64E-09	5.59E-09	7.23E-09	2.55E-10	9.13E-10	1.17E-09	1.37E-10	4.24E-10	5.61E-10
527	437721.13	3763820.98	1.61E-09	5.51E-09	7.12E-09	2.51E-10	9.00E-10	1.15E-09	1.35E-10	4.17E-10	5.52E-10
528	437708.96	3763825.6	1.59E-09	5.43E-09	7.02E-09	2.47E-10	8.87E-10	1.13E-09	1.33E-10	4.11E-10	5.45E-10
529	437696.79	3763830.22	1.57E-09	5.35E-09	6.92E-09	2.44E-10	8.75E-10	1.12E-09	1.31E-10	4.06E-10	5.37E-10
530	437684.61	3763834.84	1.54E-09	5.27E-09	6.81E-09	2.40E-10	8.60E-10	1.10E-09	1.29E-10	3.99E-10	5.28E-10
531	437672.44	3763839.46	1.52E-09	5.18E-09	6.70E-09	2.36E-10	8.46E-10	1.08E-09	1.27E-10	3.93E-10	5.20E-10
532	437660.27	3763844.08	1.49E-09	5.09E-09	6.58E-09	2.32E-10	8.31E-10	1.06E-09	1.25E-10	3.86E-10	5.10E-10
533	437648.1	3763848.7	1.47E-09	5.00E-09	6.47E-09	2.28E-10	8.17E-10	1.04E-09	1.23E-10	3.79E-10	5.02E-10
534	437635.93	3763853.32	1.44E-09	4.92E-09	6.36E-09	2.24E-10	8.03E-10	1.03E-09	1.21E-10	3.73E-10	4.93E-10
535	437623.76	3763857.94	1.42E-09	4.85E-09	6.27E-09	2.21E-10	7.92E-10	1.01E-09	1.19E-10	3.67E-10	4.86E-10
536	437600.96	3762896.57	5.09E-07	1.74E-06	2.25E-06	7.92E-08	2.84E-07	3.63E-07	4.26E-08	1.32E-07	1.74E-07
537	437593.07	3762905.06	4.47E-07	1.52E-06	1.97E-06	6.94E-08	2.49E-07	3.18E-07	3.74E-08	1.15E-07	1.53E-07
538	437609.36	3762902.03	4.45E-07	1.52E-06	1.96E-06	6.92E-08	2.48E-07	3.17E-07	3.73E-08	1.15E-07	1.52E-07
539	437601.69	3762910.29	3.97E-07	1.35E-06	1.75E-06	6.17E-08	2.21E-07	2.83E-07	3.32E-08	1.03E-07	1.36E-07
540	437617.74	3762907.52	3.95E-07	1.35E-06	1.74E-06	6.13E-08	2.20E-07	2.81E-07	3.30E-08	1.02E-07	1.35E-07
541	437610.22	3762915.6	3.55E-07	1.21E-06	1.57E-06	5.52E-08	1.98E-07	2.53E-07	2.97E-08	9.18E-08	1.22E-07
542	437626.1	3762913.02	3.53E-07	1.20E-06	1.56E-06	5.48E-08	1.96E-07	2.51E-07	2.95E-08	9.11E-08	1.21E-07
543	437618.7	3762920.98	3.20E-07	1.09E-06	1.41E-06	4.97E-08	1.78E-07	2.28E-07	2.68E-08	8.27E-08	1.09E-07
544	437634.15	3762918.85	3.16E-07	1.08E-06	1.39E-06	4.91E-08	1.76E-07	2.25E-07	2.65E-08	8.17E-08	1.08E-07
545	437650.91	3762929.82	2.61E-07	8.89E-07	1.15E-06	4.05E-08	1.45E-07	1.86E-07	2.18E-08	6.74E-08	8.92E-08

546	437650.65	3762959.08	1.80E-07	6.14E-07	7.94E-07	2.80E-08	1.00E-07	1.28E-07	1.51E-08	4.65E-08	6.16E-08
547	437642.28	3762968.08	1.60E-07	5.45E-07	7.05E-07	2.48E-08	8.90E-08	1.14E-07	1.34E-08	4.13E-08	5.47E-08
548	437676.04	3762960.76	1.72E-07	5.87E-07	7.59E-07	2.67E-08	9.59E-08	1.23E-07	1.44E-08	4.45E-08	5.89E-08
549	437667.95	3762969.47	1.56E-07	5.33E-07	6.89E-07	2.43E-08	8.71E-08	1.11E-07	1.31E-08	4.04E-08	5.35E-08
550	437659.85	3762978.18	1.41E-07	4.80E-07	6.21E-07	2.19E-08	7.84E-08	1.00E-07	1.18E-08	3.64E-08	4.81E-08
551	437700.85	3762963.07	1.61E-07	5.50E-07	7.11E-07	2.50E-08	8.98E-08	1.15E-07	1.35E-08	4.16E-08	5.51E-08
552	437692.96	3762971.56	1.50E-07	5.10E-07	6.60E-07	2.33E-08	8.34E-08	1.07E-07	1.25E-08	3.87E-08	5.12E-08
553	437685.07	3762980.05	1.37E-07	4.69E-07	6.06E-07	2.14E-08	7.66E-08	9.79E-08	1.15E-08	3.55E-08	4.70E-08
554	437677.17	3762988.53	1.25E-07	4.26E-07	5.51E-07	1.94E-08	6.96E-08	8.90E-08	1.05E-08	3.23E-08	4.27E-08
555	437669.28	3762997.02	1.12E-07	3.83E-07	4.96E-07	1.75E-08	6.26E-08	8.01E-08	9.41E-09	2.91E-08	3.85E-08
556	437709.17	3762983.11	1.30E-07	4.45E-07	5.75E-07	2.03E-08	7.27E-08	9.29E-08	1.09E-08	3.37E-08	4.46E-08
557	437700.95	3762991.95	1.20E-07	4.09E-07	5.29E-07	1.86E-08	6.68E-08	8.55E-08	1.00E-08	3.10E-08	4.10E-08
558	437692.72	3763000.8	1.09E-07	3.72E-07	4.81E-07	1.70E-08	6.08E-08	7.77E-08	9.13E-09	2.82E-08	3.73E-08
559	437684.5	3763009.64	9.84E-08	3.36E-07	4.34E-07	1.53E-08	5.48E-08	7.01E-08	8.24E-09	2.54E-08	3.37E-08
560	437709.98	3763011.22	9.80E-08	3.34E-07	4.32E-07	1.52E-08	5.46E-08	6.98E-08	8.20E-09	2.53E-08	3.35E-08
561	437701.94	3763019.87	8.92E-08	3.04E-07	3.93E-07	1.39E-08	4.97E-08	6.35E-08	7.47E-09	2.30E-08	3.05E-08
562	437750.66	3762996.46	1.09E-07	3.72E-07	4.81E-07	1.69E-08	6.07E-08	7.76E-08	9.12E-09	2.82E-08	3.73E-08
563	437742.35	3763005.4	1.02E-07	3.49E-07	4.51E-07	1.59E-08	5.70E-08	7.29E-08	8.56E-09	2.64E-08	3.50E-08
564	437767.36	3763007.49	9.70E-08	3.31E-07	4.28E-07	1.51E-08	5.40E-08	6.91E-08	8.12E-09	2.51E-08	3.32E-08
565	437759.22	3763016.25	9.15E-08	3.12E-07	4.03E-07	1.42E-08	5.10E-08	6.52E-08	7.66E-09	2.36E-08	3.13E-08
566	437751.08	3763025.01	8.52E-08	2.91E-07	3.76E-07	1.32E-08	4.75E-08	6.07E-08	7.13E-09	2.20E-08	2.91E-08
567	437742.93	3763033.76	7.84E-08	2.67E-07	3.46E-07	1.22E-08	4.37E-08	5.58E-08	6.56E-09	2.03E-08	2.68E-08
568	437783.94	3763018.65	8.66E-08	2.95E-07	3.82E-07	1.35E-08	4.83E-08	6.17E-08	7.25E-09	2.24E-08	2.96E-08
569	437775.57	3763027.66	8.15E-08	2.78E-07	3.59E-07	1.27E-08	4.54E-08	5.81E-08	6.82E-09	2.11E-08	2.79E-08
570	437767.19	3763036.66	7.59E-08	2.59E-07	3.35E-07	1.18E-08	4.23E-08	5.41E-08	6.35E-09	1.96E-08	2.60E-08
571	437758.82	3763045.66	7.00E-08	2.39E-07	3.08E-07	1.09E-08	3.90E-08	4.98E-08	5.86E-09	1.81E-08	2.39E-08
572	437750.45	3763054.67	6.39E-08	2.18E-07	2.82E-07	9.93E-09	3.56E-08	4.56E-08	5.35E-09	1.65E-08	2.19E-08
573	437742.08	3763063.67	5.81E-08	1.98E-07	2.56E-07	9.03E-09	3.24E-08	4.14E-08	4.87E-09	1.50E-08	1.99E-08
574	437800.64	3763029.68	7.81E-08	2.66E-07	3.44E-07	1.21E-08	4.35E-08	5.56E-08	6.54E-09	2.02E-08	2.67E-08
575	437792.41	3763038.52	7.36E-08	2.51E-07	3.25E-07	1.14E-08	4.10E-08	5.24E-08	6.16E-09	1.90E-08	2.52E-08
576	437784.19	3763047.37	6.89E-08	2.35E-07	3.04E-07	1.07E-08	3.84E-08	4.91E-08	5.76E-09	1.78E-08	2.36E-08
577	437775.97	3763056.21	6.39E-08	2.18E-07	2.82E-07	9.92E-09	3.56E-08	4.55E-08	5.34E-09	1.65E-08	2.18E-08
578	437767.74	3763065.05	5.88E-08	2.01E-07	2.59E-07	9.14E-09	3.28E-08	4.19E-08	4.92E-09	1.52E-08	2.01E-08
579	437759.52	3763073.9	5.38E-08	1.84E-07	2.37E-07	8.36E-09	3.00E-08	3.83E-08	4.50E-09	1.39E-08	1.84E-08
580	437751.3	3763082.74	4.90E-08	1.67E-07	2.16E-07	7.62E-09	2.73E-08	3.49E-08	4.10E-09	1.27E-08	1.68E-08
581	437743.08	3763091.59	4.45E-08	1.52E-07	1.96E-07	6.91E-09	2.48E-08	3.17E-08	3.72E-09	1.15E-08	1.52E-08
582	437808.87	3763064.31	5.99E-08	2.04E-07	2.64E-07	9.31E-09	3.34E-08	4.27E-08	5.01E-09	1.55E-08	2.05E-08
583	437800.52	3763073.29	5.57E-08	1.90E-07	2.46E-07	8.66E-09	3.10E-08	3.97E-08	4.66E-09	1.44E-08	1.91E-08
584	437792.17	3763082.27	5.15E-08	1.76E-07	2.27E-07	8.00E-09	2.87E-08	3.67E-08	4.31E-09	1.33E-08	1.76E-08
585	437783.82	3763091.25	4.74E-08	1.62E-07	2.09E-07	7.36E-09	2.64E-08	3.37E-08	3.96E-09	1.22E-08	1.62E-08
586	437775.47	3763100.23	4.33E-08	1.48E-07	1.91E-07	6.73E-09	2.41E-08	3.09E-08	3.63E-09	1.12E-08	1.48E-08
587	437767.12	3763109.21	3.94E-08	1.34E-07	1.74E-07	6.13E-09	2.20E-08	2.81E-08	3.30E-09	1.02E-08	1.35E-08
588	437758.77	3763118.19	3.58E-08	1.22E-07	1.58E-07	5.56E-09	2.00E-08	2.55E-08	3.00E-09	9.25E-09	1.23E-08
589	437793.44	3763124.39	3.63E-08	1.24E-07	1.60E-07	5.64E-09	2.02E-08	2.59E-08	3.04E-09	9.38E-09	1.24E-08
590	437785.27	3763133.17	3.32E-08	1.13E-07	1.46E-07	5.16E-09	1.85E-08	2.37E-08	2.78E-09	8.58E-09	1.14E-08
591	437777.1	3763141.95	3.03E-08	1.03E-07	1.34E-07	4.71E-09	1.69E-08	2.16E-08	2.54E-09	7.84E-09	1.04E-08
592	437875.54	3763079.57	5.23E-08	1.78E-07	2.30E-07	8.12E-09	2.91E-08	3.72E-08	4.37E-09	1.35E-08	1.79E-08
593	437858.98	3763097.37	4.73E-08	1.61E-07	2.09E-07	7.35E-09	2.64E-08	3.37E-08	3.96E-09	1.22E-08	1.62E-08
594	437850.71	3763106.27	4.47E-08	1.52E-07	1.97E-07	6.95E-09	2.49E-08	3.19E-08	3.74E-09	1.16E-08	1.53E-08
595	437842.43	3763115.17	4.17E-08	1.42E-07	1.84E-07	6.48E-09	2.32E-08	2.97E-08	3.49E-09	1.08E-08	1.43E-08
596	437834.16	3763124.08	3.86E-08	1.32E-07	1.70E-07	6.01E-09	2.15E-08	2.75E-08	3.24E-09	9.99E-09	1.32E-08
597	437825.88	3763132.98	3.57E-08	1.22E-07	1.57E-07	5.54E-09	1.99E-08	2.54E-08	2.98E-09	9.21E-09	1.22E-08
598	437900.48	3763096.23	4.63E-08	1.58E-07	2.04E-07	7.19E-09	2.58E-08	3.30E-08	3.87E-09	1.20E-08	1.58E-08
599	437866.99	3763132.25	3.72E-08	1.27E-07	1.64E-07	5.78E-09	2.07E-08	2.65E-08	3.11E-09	9.61E-09	1.27E-08
600	437858.61	3763141.25	3.48E-08	1.19E-07	1.54E-07	5.41E-09	1.94E-08	2.48E-08	2.91E-09	9.00E-09	1.19E-08
601	437850.24	3763150.26	3.23E-08	1.10E-07	1.43E-07	5.03E-09	1.80E-08	2.30E-08	2.71E-09	8.36E-09	1.11E-08
602	437841.87	3763159.26	2.98E-08	1.02E-07	1.32E-07	4.64E-09	1.66E-08	2.13E-08	2.50E-09	7.71E-09	1.02E-08
603	437833.5	3763168.27	2.75E-08	9.38E-08	1.21E-07	4.28E-09	1.53E-08	1.96E-08	2.30E-09	7.11E-09	9.41E-09
604	437825.13	3763177.27	2.54E-08	8.65E-08	1.12E-07	3.94E-09	1.41E-08	1.81E-08	2.12E-09	6.55E-09	8.68E-09
605	437925.5	3763112.8	4.12E-08	1.40E-07	1.82E-07	6.40E-09	2.29E-08	2.94E-08	3.45E-09	1.06E-08	1.41E-08
606	437917.28	3763121.65	3.94E-08	1.34E-07	1.74E-07	6.12E-09	2.20E-08	2.81E-08	3.30E-09	1.02E-08	1.35E-08

607	437909.05	3763130.49	3.75E-08	1.28E-07	1.66E-07	5.83E-09	2.09E-08	2.67E-08	3.14E-09	9.70E-09	1.28E-08
608	437900.83	3763139.33	3.56E-08	1.21E-07	1.57E-07	5.53E-09	1.98E-08	2.54E-08	2.98E-09	9.20E-09	1.22E-08
609	437867.94	3763174.71	2.75E-08	9.38E-08	1.21E-07	4.27E-09	1.53E-08	1.96E-08	2.30E-09	7.11E-09	9.41E-09
610	437859.72	3763183.55	2.55E-08	8.71E-08	1.13E-07	3.97E-09	1.42E-08	1.82E-08	2.14E-09	6.60E-09	8.74E-09
611	437851.49	3763192.39	2.36E-08	8.06E-08	1.04E-07	3.67E-09	1.32E-08	1.68E-08	1.98E-09	6.11E-09	8.09E-09
612	437843.27	3763201.24	2.19E-08	7.47E-08	9.66E-08	3.40E-09	1.22E-08	1.56E-08	1.83E-09	5.66E-09	7.49E-09
613	437835.05	3763210.08	2.03E-08	6.92E-08	8.96E-08	3.16E-09	1.13E-08	1.45E-08	1.70E-09	5.25E-09	6.95E-09
614	437950.44	3763129.46	3.70E-08	1.26E-07	1.63E-07	5.74E-09	2.06E-08	2.63E-08	3.09E-09	9.55E-09	1.26E-08
615	437942.13	3763138.39	3.54E-08	1.21E-07	1.56E-07	5.50E-09	1.97E-08	2.52E-08	2.96E-09	9.14E-09	1.21E-08
616	437933.82	3763147.33	3.38E-08	1.15E-07	1.49E-07	5.24E-09	1.88E-08	2.40E-08	2.83E-09	8.72E-09	1.15E-08
617	437925.51	3763156.27	3.21E-08	1.09E-07	1.41E-07	4.98E-09	1.79E-08	2.28E-08	2.68E-09	8.29E-09	1.10E-08
618	437917.21	3763165.2	3.04E-08	1.04E-07	1.34E-07	4.72E-09	1.69E-08	2.16E-08	2.54E-09	7.85E-09	1.04E-08
619	437908.9	3763174.14	2.86E-08	9.76E-08	1.26E-07	4.45E-09	1.59E-08	2.04E-08	2.40E-09	7.40E-09	9.79E-09
620	437900.59	3763183.08	2.69E-08	9.16E-08	1.19E-07	4.18E-09	1.50E-08	1.91E-08	2.25E-09	6.94E-09	9.19E-09
621	437867.35	3763218.82	2.02E-08	6.89E-08	8.90E-08	3.14E-09	1.12E-08	1.44E-08	1.69E-09	5.22E-09	6.91E-09
622	437859.04	3763227.76	1.88E-08	6.40E-08	8.27E-08	2.92E-09	1.05E-08	1.34E-08	1.57E-09	4.85E-09	6.42E-09
623	437850.73	3763236.7	1.74E-08	5.94E-08	7.68E-08	2.71E-09	9.71E-09	1.24E-08	1.46E-09	4.50E-09	5.96E-09
624	437950.23	3763173.17	2.92E-08	9.94E-08	1.29E-07	4.53E-09	1.62E-08	2.08E-08	2.44E-09	7.53E-09	9.97E-09
625	437941.84	3763182.19	2.76E-08	9.42E-08	1.22E-07	4.29E-09	1.54E-08	1.97E-08	2.31E-09	7.14E-09	9.45E-09
626	437933.45	3763191.21	2.61E-08	8.91E-08	1.15E-07	4.06E-09	1.46E-08	1.86E-08	2.19E-09	6.75E-09	8.94E-09
627	437925.07	3763200.23	2.46E-08	8.39E-08	1.09E-07	3.82E-09	1.37E-08	1.75E-08	2.06E-09	6.36E-09	8.42E-09
628	437916.68	3763209.25	2.31E-08	7.86E-08	1.02E-07	3.58E-09	1.28E-08	1.64E-08	1.93E-09	5.96E-09	7.89E-09
629	437908.29	3763218.27	2.15E-08	7.34E-08	9.50E-08	3.35E-09	1.20E-08	1.53E-08	1.80E-09	5.56E-09	7.37E-09
630	437874.74	3763254.35	1.60E-08	5.45E-08	7.04E-08	2.48E-09	8.90E-09	1.14E-08	1.34E-09	4.13E-09	5.46E-09
631	438000.4	3763162.69	3.05E-08	1.04E-07	1.34E-07	4.74E-09	1.70E-08	2.17E-08	2.55E-09	7.88E-09	1.04E-08
632	437992.14	3763171.57	2.94E-08	1.00E-07	1.29E-07	4.56E-09	1.64E-08	2.09E-08	2.46E-09	7.58E-09	1.00E-08
633	437983.88	3763180.46	2.81E-08	9.57E-08	1.24E-07	4.36E-09	1.56E-08	2.00E-08	2.35E-09	7.25E-09	9.60E-09
634	437950.84	3763216	2.28E-08	7.76E-08	1.00E-07	3.53E-09	1.27E-08	1.62E-08	1.90E-09	5.88E-09	7.78E-09
635	437942.58	3763224.88	2.14E-08	7.31E-08	9.45E-08	3.33E-09	1.19E-08	1.53E-08	1.79E-09	5.54E-09	7.33E-09
636	437934.32	3763233.77	2.01E-08	6.86E-08	8.87E-08	3.12E-09	1.12E-08	1.43E-08	1.68E-09	5.20E-09	6.88E-09
637	437926.05	3763242.65	1.88E-08	6.42E-08	8.30E-08	2.92E-09	1.05E-08	1.34E-08	1.58E-09	4.86E-09	6.44E-09
638	437917.79	3763251.54	1.76E-08	5.99E-08	7.75E-08	2.73E-09	9.78E-09	1.25E-08	1.47E-09	4.54E-09	6.01E-09
639	437909.53	3763260.42	1.64E-08	5.58E-08	7.22E-08	2.54E-09	9.11E-09	1.17E-08	1.37E-09	4.23E-09	5.60E-09
640	437901.27	3763269.3	1.53E-08	5.21E-08	6.74E-08	2.37E-09	8.51E-09	1.09E-08	1.28E-09	3.95E-09	5.23E-09
641	437893.01	3763278.19	1.43E-08	4.86E-08	6.29E-08	2.21E-09	7.94E-09	1.02E-08	1.19E-09	3.68E-09	4.88E-09
642	438025.35	3763179.34	2.78E-08	9.48E-08	1.23E-07	4.32E-09	1.55E-08	1.98E-08	2.33E-09	7.18E-09	9.51E-09
643	438017.02	3763188.3	2.67E-08	9.12E-08	1.18E-07	4.16E-09	1.49E-08	1.91E-08	2.24E-09	6.91E-09	9.15E-09
644	438008.69	3763197.26	2.56E-08	8.74E-08	1.13E-07	3.98E-09	1.43E-08	1.83E-08	2.14E-09	6.62E-09	8.77E-09
645	438000.36	3763206.22	2.45E-08	8.34E-08	1.08E-07	3.80E-09	1.36E-08	1.74E-08	2.05E-09	6.32E-09	8.37E-09
646	437992.02	3763215.18	2.34E-08	7.97E-08	1.03E-07	3.63E-09	1.30E-08	1.67E-08	1.96E-09	6.04E-09	8.00E-09
647	437983.69	3763224.15	2.22E-08	7.56E-08	9.78E-08	3.45E-09	1.24E-08	1.58E-08	1.86E-09	5.73E-09	7.59E-09
648	437950.36	3763259.99	1.74E-08	5.94E-08	7.68E-08	2.71E-09	9.70E-09	1.24E-08	1.46E-09	4.50E-09	5.96E-09
649	437942.03	3763268.95	1.63E-08	5.57E-08	7.21E-08	2.54E-09	9.10E-09	1.16E-08	1.37E-09	4.22E-09	5.59E-09
650	437933.7	3763277.91	1.53E-08	5.22E-08	6.75E-08	2.38E-09	8.53E-09	1.09E-08	1.28E-09	3.95E-09	5.24E-09
651	437925.36	3763286.88	1.43E-08	4.89E-08	6.32E-08	2.23E-09	7.98E-09	1.02E-08	1.20E-09	3.70E-09	4.90E-09
652	437917.03	3763295.84	1.35E-08	4.60E-08	5.94E-08	2.09E-09	7.51E-09	9.60E-09	1.13E-09	3.48E-09	4.61E-09
653	437908.7	3763304.8	1.26E-08	4.30E-08	5.56E-08	1.96E-09	7.02E-09	8.98E-09	1.06E-09	3.26E-09	4.31E-09
654	438025.11	3763223.08	2.26E-08	7.70E-08	9.96E-08	3.51E-09	1.26E-08	1.61E-08	1.89E-09	5.83E-09	7.72E-09
655	437999.92	3763250.18	1.93E-08	6.57E-08	8.50E-08	3.00E-09	1.07E-08	1.37E-08	1.61E-09	4.98E-09	6.59E-09
656	437991.52	3763259.21	1.82E-08	6.20E-08	8.02E-08	2.83E-09	1.01E-08	1.30E-08	1.52E-09	4.70E-09	6.22E-09
657	437983.12	3763268.24	1.72E-08	5.85E-08	7.57E-08	2.67E-09	9.56E-09	1.22E-08	1.44E-09	4.43E-09	5.87E-09
658	437949.53	3763304.37	1.34E-08	4.57E-08	5.91E-08	2.08E-09	7.47E-09	9.55E-09	1.12E-09	3.46E-09	4.59E-09
659	437941.13	3763313.4	1.26E-08	4.30E-08	5.56E-08	1.96E-09	7.03E-09	8.99E-09	1.06E-09	3.26E-09	4.31E-09
660	438083.59	3763218.16	2.27E-08	7.75E-08	1.00E-07	3.53E-09	1.27E-08	1.62E-08	1.90E-09	5.87E-09	7.77E-09
661	438075.17	3763227.22	2.19E-08	7.47E-08	9.66E-08	3.40E-09	1.22E-08	1.56E-08	1.83E-09	5.66E-09	7.49E-09
662	438058.33	3763245.33	2.02E-08	6.88E-08	8.90E-08	3.14E-09	1.12E-08	1.44E-08	1.69E-09	5.21E-09	6.90E-09
663	438049.91	3763254.38	1.93E-08	6.58E-08	8.50E-08	3.00E-09	1.07E-08	1.37E-08	1.61E-09	4.98E-09	6.60E-09
664	438041.49	3763263.44	1.84E-08	6.26E-08	8.10E-08	2.85E-09	1.02E-08	1.31E-08	1.54E-09	4.75E-09	6.28E-09
665	438033.07	3763272.49	1.75E-08	5.95E-08	7.70E-08	2.71E-09	9.72E-09	1.24E-08	1.46E-09	4.51E-09	5.97E-09
666	438024.65	3763281.55	1.65E-08	5.64E-08	7.29E-08	2.57E-09	9.21E-09	1.18E-08	1.38E-09	4.27E-09	5.66E-09
667	438016.23	3763290.61	1.56E-08	5.34E-08	6.90E-08	2.43E-09	8.72E-09	1.11E-08	1.31E-09	4.04E-09	5.35E-09

668	438007.81	3763299.66	1.48E-08	5.05E-08	6.53E-08	2.30E-09	8.25E-09	1.06E-08	1.24E-09	3.83E-09	5.07E-09
669	437999.39	3763308.72	1.40E-08	4.77E-08	6.17E-08	2.17E-09	7.79E-09	9.97E-09	1.17E-09	3.61E-09	4.79E-09
670	437990.97	3763317.77	1.32E-08	4.50E-08	5.81E-08	2.05E-09	7.34E-09	9.39E-09	1.10E-09	3.41E-09	4.51E-09
671	437982.55	3763326.83	1.24E-08	4.23E-08	5.47E-08	1.93E-09	6.91E-09	8.84E-09	1.04E-09	3.21E-09	4.24E-09
672	437948.87	3763363.05	9.65E-09	3.29E-08	4.26E-08	1.50E-09	5.38E-09	6.88E-09	8.08E-10	2.49E-09	3.30E-09
673	438108.44	3763249.41	1.98E-08	6.76E-08	8.74E-08	3.08E-09	1.10E-08	1.41E-08	1.66E-09	5.12E-09	6.78E-09
674	438100	3763258.49	1.91E-08	6.50E-08	8.40E-08	2.96E-09	1.06E-08	1.36E-08	1.60E-09	4.92E-09	6.52E-09
675	438091.56	3763267.56	1.83E-08	6.24E-08	8.06E-08	2.84E-09	1.02E-08	1.30E-08	1.53E-09	4.73E-09	6.26E-09
676	438083.12	3763276.64	1.75E-08	5.97E-08	7.73E-08	2.72E-09	9.76E-09	1.25E-08	1.47E-09	4.53E-09	5.99E-09
677	438074.68	3763285.72	1.67E-08	5.71E-08	7.38E-08	2.60E-09	9.32E-09	1.19E-08	1.40E-09	4.32E-09	5.73E-09
678	438066.24	3763294.8	1.59E-08	5.44E-08	7.03E-08	2.48E-09	8.88E-09	1.14E-08	1.33E-09	4.12E-09	5.46E-09
679	438057.8	3763303.87	1.52E-08	5.17E-08	6.69E-08	2.36E-09	8.45E-09	1.08E-08	1.27E-09	3.92E-09	5.19E-09
680	438049.36	3763312.95	1.44E-08	4.92E-08	6.36E-08	2.24E-09	8.03E-09	1.03E-08	1.21E-09	3.73E-09	4.93E-09
681	438040.92	3763322.03	1.37E-08	4.67E-08	6.04E-08	2.13E-09	7.63E-09	9.76E-09	1.15E-09	3.54E-09	4.69E-09
682	438032.48	3763331.1	1.30E-08	4.43E-08	5.73E-08	2.02E-09	7.23E-09	9.25E-09	1.09E-09	3.35E-09	4.44E-09
683	438024.04	3763340.18	1.23E-08	4.19E-08	5.42E-08	1.91E-09	6.84E-09	8.75E-09	1.03E-09	3.17E-09	4.20E-09
684	438015.6	3763349.26	1.16E-08	3.95E-08	5.11E-08	1.80E-09	6.46E-09	8.26E-09	9.71E-10	3.00E-09	3.97E-09
685	438007.16	3763358.34	1.09E-08	3.72E-08	4.81E-08	1.70E-09	6.08E-09	7.77E-09	9.13E-10	2.82E-09	3.73E-09
686	437998.72	3763367.41	1.02E-08	3.49E-08	4.52E-08	1.59E-09	5.71E-09	7.30E-09	8.57E-10	2.65E-09	3.50E-09
687	438150.22	3763262.45	1.86E-08	6.35E-08	8.21E-08	2.89E-09	1.04E-08	1.33E-08	1.56E-09	4.81E-09	6.37E-09
688	438141.91	3763271.39	1.81E-08	6.18E-08	7.99E-08	2.81E-09	1.01E-08	1.29E-08	1.52E-09	4.68E-09	6.20E-09
689	438133.61	3763280.32	1.75E-08	5.96E-08	7.71E-08	2.72E-09	9.74E-09	1.25E-08	1.46E-09	4.52E-09	5.98E-09
690	438125.3	3763289.26	1.68E-08	5.74E-08	7.42E-08	2.62E-09	9.38E-09	1.20E-08	1.41E-09	4.35E-09	5.76E-09
691	438116.99	3763298.2	1.62E-08	5.51E-08	7.12E-08	2.51E-09	9.00E-09	1.15E-08	1.35E-09	4.17E-09	5.53E-09
692	438108.68	3763307.13	1.55E-08	5.27E-08	6.82E-08	2.40E-09	8.62E-09	1.10E-08	1.29E-09	4.00E-09	5.29E-09
693	438100.37	3763316.07	1.48E-08	5.04E-08	6.52E-08	2.30E-09	8.24E-09	1.05E-08	1.24E-09	3.82E-09	5.06E-09
694	438092.06	3763325.01	1.41E-08	4.81E-08	6.23E-08	2.19E-09	7.87E-09	1.01E-08	1.18E-09	3.65E-09	4.83E-09
695	438083.75	3763333.94	1.34E-08	4.59E-08	5.93E-08	2.09E-09	7.49E-09	9.58E-09	1.13E-09	3.47E-09	4.60E-09
696	438075.44	3763342.88	1.28E-08	4.36E-08	5.64E-08	1.99E-09	7.12E-09	9.11E-09	1.07E-09	3.30E-09	4.37E-09
697	438067.13	3763351.82	1.21E-08	4.14E-08	5.36E-08	1.89E-09	6.77E-09	8.65E-09	1.02E-09	3.14E-09	4.16E-09
698	438058.82	3763360.75	1.15E-08	3.93E-08	5.08E-08	1.79E-09	6.42E-09	8.21E-09	9.64E-10	2.98E-09	3.94E-09
699	438050.51	3763369.69	1.09E-08	3.72E-08	4.82E-08	1.70E-09	6.08E-09	7.78E-09	9.14E-10	2.82E-09	3.74E-09
700	438017.27	3763405.44	8.68E-09	2.96E-08	3.83E-08	1.35E-09	4.83E-09	6.18E-09	7.26E-10	2.24E-09	2.97E-09
701	438008.96	3763414.37	8.18E-09	2.79E-08	3.61E-08	1.27E-09	4.56E-09	5.83E-09	6.85E-10	2.11E-09	2.80E-09
702	438000.65	3763423.31	7.71E-09	2.63E-08	3.40E-08	1.20E-09	4.29E-09	5.49E-09	6.45E-10	1.99E-09	2.64E-09
703	438183.51	3763284.62	1.70E-08	5.78E-08	7.48E-08	2.63E-09	9.45E-09	1.21E-08	1.42E-09	4.38E-09	5.80E-09
704	438175.18	3763293.59	1.64E-08	5.60E-08	7.25E-08	2.55E-09	9.15E-09	1.17E-08	1.38E-09	4.25E-09	5.62E-09
705	438166.85	3763302.55	1.60E-08	5.45E-08	7.04E-08	2.48E-09	8.90E-09	1.14E-08	1.34E-09	4.13E-09	5.46E-09
706	438158.52	3763311.51	1.54E-08	5.25E-08	6.79E-08	2.39E-09	8.58E-09	1.10E-08	1.29E-09	3.98E-09	5.27E-09
707	438150.18	3763320.47	1.48E-08	5.05E-08	6.53E-08	2.30E-09	8.25E-09	1.06E-08	1.24E-09	3.83E-09	5.07E-09
708	438141.85	3763329.43	1.42E-08	4.85E-08	6.27E-08	2.21E-09	7.92E-09	1.01E-08	1.19E-09	3.67E-09	4.86E-09
709	438133.52	3763338.39	1.36E-08	4.64E-08	6.00E-08	2.11E-09	7.58E-09	9.69E-09	1.14E-09	3.52E-09	4.66E-09
710	438125.19	3763347.36	1.30E-08	4.44E-08	5.74E-08	2.02E-09	7.25E-09	9.28E-09	1.09E-09	3.36E-09	4.45E-09
711	438116.85	3763356.32	1.24E-08	4.24E-08	5.49E-08	1.93E-09	6.93E-09	8.86E-09	1.04E-09	3.21E-09	4.26E-09
712	438108.52	3763365.28	1.19E-08	4.04E-08	5.23E-08	1.84E-09	6.61E-09	8.45E-09	9.93E-10	3.06E-09	4.06E-09
713	438075.19	3763401.12	9.69E-09	3.31E-08	4.28E-08	1.51E-09	5.40E-09	6.91E-09	8.11E-10	2.50E-09	3.32E-09
714	438066.86	3763410.09	9.20E-09	3.14E-08	4.06E-08	1.43E-09	5.12E-09	6.55E-09	7.70E-10	2.38E-09	3.15E-09
715	438058.53	3763419.05	8.71E-09	2.97E-08	3.84E-08	1.35E-09	4.85E-09	6.20E-09	7.29E-10	2.25E-09	2.98E-09
716	438050.19	3763428.01	8.23E-09	2.80E-08	3.63E-08	1.28E-09	4.58E-09	5.86E-09	6.88E-10	2.13E-09	2.81E-09
717	438041.86	3763436.97	7.77E-09	2.65E-08	3.42E-08	1.21E-09	4.33E-09	5.53E-09	6.50E-10	2.01E-09	2.66E-09
718	438033.53	3763445.93	7.33E-09	2.50E-08	3.23E-08	1.14E-09	4.08E-09	5.22E-09	6.13E-10	1.89E-09	2.51E-09
719	438025.2	3763454.89	6.92E-09	2.36E-08	3.05E-08	1.08E-09	3.86E-09	4.93E-09	5.79E-10	1.79E-09	2.37E-09
720	438216.8	3763306.8	1.55E-08	5.30E-08	6.86E-08	2.42E-09	8.66E-09	1.11E-08	1.30E-09	4.02E-09	5.32E-09
721	438208.45	3763315.78	1.51E-08	5.14E-08	6.65E-08	2.34E-09	8.40E-09	1.07E-08	1.26E-09	3.89E-09	5.16E-09
722	438200.1	3763324.77	1.46E-08	4.98E-08	6.44E-08	2.27E-09	8.13E-09	1.04E-08	1.22E-09	3.77E-09	4.99E-09
723	438191.74	3763333.75	1.41E-08	4.81E-08	6.22E-08	2.19E-09	7.85E-09	1.00E-08	1.18E-09	3.64E-09	4.82E-09
724	438183.39	3763342.73	1.36E-08	4.63E-08	5.99E-08	2.11E-09	7.56E-09	9.67E-09	1.14E-09	3.51E-09	4.65E-09
725	438175.04	3763351.72	1.30E-08	4.45E-08	5.75E-08	2.03E-09	7.27E-09	9.30E-09	1.09E-09	3.37E-09	4.46E-09
726	438166.68	3763360.7	1.25E-08	4.27E-08	5.52E-08	1.95E-09	6.98E-09	8.92E-09	1.05E-09	3.24E-09	4.28E-09
727	438158.33	3763369.69	1.20E-08	4.09E-08	5.29E-08	1.86E-09	6.68E-09	8.54E-09	1.00E-09	3.10E-09	4.10E-09
728	438124.92	3763405.62	9.99E-09	3.40E-08	4.40E-08	1.55E-09	5.56E-09	7.11E-09	8.36E-10	2.58E-09	3.42E-09

729	438116.56	3763414.61	9.52E-09	3.25E-08	4.20E-08	1.48E-09	5.30E-09	6.78E-09	7.97E-10	2.46E-09	3.26E-09
730	438108.21	3763423.59	9.08E-09	3.10E-08	4.00E-08	1.41E-09	5.06E-09	6.47E-09	7.60E-10	2.35E-09	3.11E-09
731	438099.86	3763432.57	8.64E-09	2.95E-08	3.81E-08	1.34E-09	4.81E-09	6.16E-09	7.23E-10	2.23E-09	2.96E-09
732	438091.5	3763441.56	8.21E-09	2.80E-08	3.62E-08	1.28E-09	4.57E-09	5.85E-09	6.87E-10	2.12E-09	2.81E-09
733	438083.15	3763450.54	7.77E-09	2.65E-08	3.43E-08	1.21E-09	4.33E-09	5.54E-09	6.50E-10	2.01E-09	2.66E-09
734	438074.8	3763459.52	7.35E-09	2.51E-08	3.24E-08	1.14E-09	4.10E-09	5.24E-09	6.15E-10	1.90E-09	2.51E-09
735	438066.44	3763468.51	6.96E-09	2.37E-08	3.07E-08	1.08E-09	3.88E-09	4.96E-09	5.82E-10	1.80E-09	2.38E-09
736	438058.09	3763477.49	6.59E-09	2.25E-08	2.90E-08	1.02E-09	3.67E-09	4.69E-09	5.51E-10	1.70E-09	2.25E-09
737	438049.74	3763486.48	6.23E-09	2.12E-08	2.75E-08	9.68E-10	3.47E-09	4.44E-09	5.22E-10	1.61E-09	2.13E-09
738	438250.09	3763328.97	1.43E-08	4.86E-08	6.29E-08	2.21E-09	7.94E-09	1.02E-08	1.19E-09	3.68E-09	4.88E-09
739	438241.72	3763337.97	1.38E-08	4.72E-08	6.11E-08	2.15E-09	7.71E-09	9.87E-09	1.16E-09	3.58E-09	4.74E-09
740	438233.35	3763346.98	1.34E-08	4.58E-08	5.92E-08	2.09E-09	7.48E-09	9.57E-09	1.12E-09	3.47E-09	4.59E-09
741	438224.98	3763355.98	1.30E-08	4.43E-08	5.73E-08	2.02E-09	7.24E-09	9.26E-09	1.09E-09	3.36E-09	4.44E-09
742	438216.6	3763364.99	1.25E-08	4.28E-08	5.53E-08	1.95E-09	6.99E-09	8.93E-09	1.05E-09	3.24E-09	4.29E-09
743	438183.11	3763401.01	1.07E-08	3.63E-08	4.70E-08	1.65E-09	5.93E-09	7.59E-09	8.92E-10	2.75E-09	3.64E-09
744	438174.74	3763410.01	1.02E-08	3.47E-08	4.49E-08	1.58E-09	5.67E-09	7.26E-09	8.52E-10	2.63E-09	3.48E-09
745	438166.37	3763419.01	9.77E-09	3.33E-08	4.31E-08	1.52E-09	5.44E-09	6.96E-09	8.17E-10	2.52E-09	3.34E-09
746	438158	3763428.02	9.35E-09	3.19E-08	4.12E-08	1.45E-09	5.21E-09	6.66E-09	7.83E-10	2.42E-09	3.20E-09
747	438149.63	3763437.02	8.95E-09	3.05E-08	3.95E-08	1.39E-09	4.99E-09	6.38E-09	7.49E-10	2.31E-09	3.06E-09
748	438141.25	3763446.03	8.54E-09	2.91E-08	3.76E-08	1.33E-09	4.76E-09	6.08E-09	7.14E-10	2.21E-09	2.92E-09
749	438132.88	3763455.03	8.12E-09	2.77E-08	3.58E-08	1.26E-09	4.52E-09	5.78E-09	6.80E-10	2.10E-09	2.78E-09
750	438124.51	3763464.04	7.71E-09	2.63E-08	3.40E-08	1.20E-09	4.29E-09	5.49E-09	6.45E-10	1.99E-09	2.64E-09
751	438116.14	3763473.04	7.31E-09	2.49E-08	3.22E-08	1.14E-09	4.07E-09	5.21E-09	6.12E-10	1.89E-09	2.50E-09
752	438107.76	3763482.04	6.93E-09	2.36E-08	3.05E-08	1.08E-09	3.86E-09	4.93E-09	5.80E-10	1.79E-09	2.37E-09
753	438099.39	3763491.05	6.56E-09	2.24E-08	2.89E-08	1.02E-09	3.66E-09	4.68E-09	5.49E-10	1.70E-09	2.25E-09
754	438091.02	3763500.05	6.22E-09	2.12E-08	2.74E-08	9.67E-10	3.47E-09	4.43E-09	5.21E-10	1.61E-09	2.13E-09
755	438082.65	3763509.06	5.91E-09	2.02E-08	2.61E-08	9.19E-10	3.29E-09	4.21E-09	4.95E-10	1.53E-09	2.02E-09
756	438074.27	3763518.06	5.62E-09	1.92E-08	2.48E-08	8.73E-10	3.13E-09	4.00E-09	4.70E-10	1.45E-09	1.92E-09
757	438283.39	3763351.14	1.32E-08	4.49E-08	5.80E-08	2.04E-09	7.33E-09	9.37E-09	1.10E-09	3.40E-09	4.50E-09
758	438275	3763360.17	1.28E-08	4.36E-08	5.64E-08	1.99E-09	7.13E-09	9.11E-09	1.07E-09	3.31E-09	4.38E-09
759	438266.61	3763369.19	1.24E-08	4.23E-08	5.47E-08	1.93E-09	6.91E-09	8.84E-09	1.04E-09	3.21E-09	4.25E-09
760	438233.05	3763405.28	1.08E-08	3.68E-08	4.76E-08	1.68E-09	6.01E-09	7.69E-09	9.04E-10	2.79E-09	3.69E-09
761	438224.66	3763414.3	1.04E-08	3.54E-08	4.58E-08	1.61E-09	5.78E-09	7.39E-09	8.69E-10	2.68E-09	3.55E-09
762	438216.27	3763423.33	9.98E-09	3.40E-08	4.40E-08	1.55E-09	5.56E-09	7.11E-09	8.35E-10	2.58E-09	3.41E-09
763	438207.88	3763432.35	9.59E-09	3.27E-08	4.23E-08	1.49E-09	5.34E-09	6.84E-09	8.03E-10	2.48E-09	3.28E-09
764	438199.49	3763441.37	9.21E-09	3.14E-08	4.06E-08	1.43E-09	5.13E-09	6.56E-09	7.71E-10	2.38E-09	3.15E-09
765	438191.1	3763450.4	8.83E-09	3.01E-08	3.90E-08	1.37E-09	4.92E-09	6.29E-09	7.39E-10	2.28E-09	3.02E-09
766	438182.71	3763459.42	8.46E-09	2.89E-08	3.73E-08	1.32E-09	4.72E-09	6.03E-09	7.08E-10	2.19E-09	2.90E-09
767	438174.32	3763468.44	8.09E-09	2.76E-08	3.57E-08	1.26E-09	4.51E-09	5.77E-09	6.77E-10	2.09E-09	2.77E-09
768	438165.93	3763477.46	7.69E-09	2.62E-08	3.39E-08	1.20E-09	4.29E-09	5.48E-09	6.44E-10	1.99E-09	2.63E-09
769	438157.54	3763486.49	7.30E-09	2.49E-08	3.22E-08	1.13E-09	4.07E-09	5.20E-09	6.11E-10	1.89E-09	2.50E-09
770	438149.15	3763495.51	6.92E-09	2.36E-08	3.05E-08	1.08E-09	3.86E-09	4.93E-09	5.80E-10	1.79E-09	2.37E-09
771	438140.76	3763504.53	6.57E-09	2.24E-08	2.90E-08	1.02E-09	3.66E-09	4.68E-09	5.50E-10	1.70E-09	2.25E-09
772	438132.37	3763513.56	6.24E-09	2.13E-08	2.75E-08	9.69E-10	3.47E-09	4.44E-09	5.22E-10	1.61E-09	2.13E-09
773	438123.98	3763522.58	5.92E-09	2.02E-08	2.61E-08	9.20E-10	3.30E-09	4.22E-09	4.96E-10	1.53E-09	2.03E-09
774	438115.59	3763531.6	5.63E-09	1.92E-08	2.48E-08	8.75E-10	3.14E-09	4.01E-09	4.71E-10	1.45E-09	1.93E-09
775	438291.46	3763400.43	1.12E-08	3.80E-08	4.92E-08	1.73E-09	6.21E-09	7.95E-09	9.33E-10	2.88E-09	3.81E-09
776	438283.05	3763409.47	1.08E-08	3.67E-08	4.75E-08	1.67E-09	6.00E-09	7.68E-09	9.02E-10	2.78E-09	3.69E-09
777	438266.24	3763427.55	1.00E-08	3.42E-08	4.43E-08	1.56E-09	5.59E-09	7.15E-09	8.40E-10	2.59E-09	3.43E-09
778	438257.84	3763436.59	9.68E-09	3.30E-08	4.27E-08	1.50E-09	5.39E-09	6.90E-09	8.10E-10	2.50E-09	3.31E-09
779	438249.43	3763445.63	9.33E-09	3.18E-08	4.11E-08	1.45E-09	5.20E-09	6.64E-09	7.81E-10	2.41E-09	3.19E-09
780	438241.03	3763454.67	8.99E-09	3.07E-08	3.96E-08	1.40E-09	5.01E-09	6.40E-09	7.52E-10	2.32E-09	3.07E-09
781	438232.62	3763463.71	8.66E-09	2.95E-08	3.82E-08	1.35E-09	4.82E-09	6.17E-09	7.25E-10	2.24E-09	2.96E-09
782	438224.21	3763472.75	8.33E-09	2.84E-08	3.67E-08	1.29E-09	4.64E-09	5.93E-09	6.97E-10	2.15E-09	2.85E-09
783	438215.81	3763481.79	7.98E-09	2.72E-08	3.52E-08	1.24E-09	4.44E-09	5.68E-09	6.68E-10	2.06E-09	2.73E-09
784	438207.4	3763490.83	7.63E-09	2.60E-08	3.37E-08	1.19E-09	4.25E-09	5.44E-09	6.39E-10	1.97E-09	2.61E-09
785	438199	3763499.87	7.27E-09	2.48E-08	3.21E-08	1.13E-09	4.05E-09	5.18E-09	6.09E-10	1.88E-09	2.49E-09
786	438190.59	3763508.92	6.92E-09	2.36E-08	3.05E-08	1.08E-09	3.85E-09	4.93E-09	5.79E-10	1.79E-09	2.37E-09
787	438182.19	3763517.96	6.57E-09	2.24E-08	2.90E-08	1.02E-09	3.66E-09	4.68E-09	5.50E-10	1.70E-09	2.25E-09
788	438173.78	3763527	6.25E-09	2.13E-08	2.76E-08	9.71E-10	3.48E-09	4.45E-09	5.23E-10	1.61E-09	2.14E-09
789	438165.38	3763536.04	5.95E-09	2.03E-08	2.62E-08	9.24E-10	3.31E-09	4.24E-09	4.98E-10	1.54E-09	2.04E-09

790	438140.16	3763563.16	5.14E-09	1.75E-08	2.26E-08	7.98E-10	2.86E-09	3.66E-09	4.30E-10	1.33E-09	1.76E-09
791	438131.75	3763572.2	4.88E-09	1.67E-08	2.15E-08	7.59E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
792	438123.35	3763581.24	4.64E-09	1.58E-08	2.05E-08	7.21E-10	2.58E-09	3.30E-09	3.88E-10	1.20E-09	1.59E-09
793	438349.97	3763395.48	1.13E-08	3.84E-08	4.96E-08	1.75E-09	6.27E-09	8.02E-09	9.42E-10	2.91E-09	3.85E-09
794	438341.55	3763404.54	1.10E-08	3.74E-08	4.84E-08	1.71E-09	6.12E-09	7.82E-09	9.19E-10	2.84E-09	3.76E-09
795	438333.13	3763413.6	1.07E-08	3.65E-08	4.72E-08	1.66E-09	5.96E-09	7.62E-09	8.95E-10	2.76E-09	3.66E-09
796	438324.71	3763422.65	1.04E-08	3.54E-08	4.58E-08	1.61E-09	5.78E-09	7.39E-09	8.68E-10	2.68E-09	3.55E-09
797	438316.29	3763431.71	1.00E-08	3.43E-08	4.43E-08	1.56E-09	5.60E-09	7.16E-09	8.41E-10	2.60E-09	3.44E-09
798	438307.87	3763440.76	9.71E-09	3.31E-08	4.28E-08	1.51E-09	5.41E-09	6.92E-09	8.13E-10	2.51E-09	3.32E-09
799	438299.45	3763449.82	9.39E-09	3.20E-08	4.14E-08	1.46E-09	5.23E-09	6.69E-09	7.86E-10	2.43E-09	3.21E-09
800	438291.03	3763458.88	9.07E-09	3.09E-08	4.00E-08	1.41E-09	5.05E-09	6.46E-09	7.59E-10	2.34E-09	3.10E-09
801	438257.35	3763495.1	7.84E-09	2.67E-08	3.46E-08	1.22E-09	4.37E-09	5.58E-09	6.56E-10	2.03E-09	2.68E-09
802	438248.93	3763504.15	7.52E-09	2.57E-08	3.32E-08	1.17E-09	4.19E-09	5.36E-09	6.30E-10	1.94E-09	2.57E-09
803	438240.51	3763513.21	7.20E-09	2.46E-08	3.18E-08	1.12E-09	4.01E-09	5.13E-09	6.03E-10	1.86E-09	2.46E-09
804	438232.09	3763522.27	6.89E-09	2.35E-08	3.04E-08	1.07E-09	3.84E-09	4.91E-09	5.77E-10	1.78E-09	2.36E-09
805	438223.67	3763531.32	6.58E-09	2.24E-08	2.90E-08	1.02E-09	3.66E-09	4.69E-09	5.51E-10	1.70E-09	2.25E-09
806	438198.4	3763558.49	5.69E-09	1.94E-08	2.51E-08	8.84E-10	3.17E-09	4.05E-09	4.76E-10	1.47E-09	1.95E-09
807	438189.98	3763567.55	5.43E-09	1.85E-08	2.39E-08	8.43E-10	3.02E-09	3.87E-09	4.54E-10	1.40E-09	1.86E-09
808	438181.56	3763576.6	5.18E-09	1.77E-08	2.28E-08	8.05E-10	2.88E-09	3.69E-09	4.33E-10	1.34E-09	1.77E-09
809	438173.14	3763585.66	4.94E-09	1.68E-08	2.18E-08	7.67E-10	2.75E-09	3.52E-09	4.13E-10	1.28E-09	1.69E-09
810	438164.72	3763594.71	4.71E-09	1.61E-08	2.08E-08	7.31E-10	2.62E-09	3.35E-09	3.94E-10	1.22E-09	1.61E-09
811	438156.3	3763603.77	4.48E-09	1.53E-08	1.98E-08	6.96E-10	2.50E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
812	438147.88	3763612.82	4.26E-09	1.45E-08	1.88E-08	6.63E-10	2.38E-09	3.04E-09	3.57E-10	1.10E-09	1.46E-09
813	438349.53	3763453.94	9.36E-09	3.19E-08	4.13E-08	1.45E-09	5.21E-09	6.67E-09	7.84E-10	2.42E-09	3.20E-09
814	438341.09	3763463.01	9.08E-09	3.09E-08	4.00E-08	1.41E-09	5.06E-09	6.47E-09	7.60E-10	2.35E-09	3.10E-09
815	438332.66	3763472.08	8.79E-09	3.00E-08	3.88E-08	1.37E-09	4.90E-09	6.26E-09	7.36E-10	2.27E-09	3.01E-09
816	438324.23	3763481.15	8.51E-09	2.90E-08	3.75E-08	1.32E-09	4.74E-09	6.06E-09	7.12E-10	2.20E-09	2.91E-09
817	438315.79	3763490.22	8.23E-09	2.81E-08	3.63E-08	1.28E-09	4.59E-09	5.87E-09	6.89E-10	2.13E-09	2.82E-09
818	438307.36	3763499.29	7.96E-09	2.71E-08	3.51E-08	1.24E-09	4.43E-09	5.67E-09	6.66E-10	2.06E-09	2.72E-09
819	438298.92	3763508.36	7.68E-09	2.62E-08	3.38E-08	1.19E-09	4.28E-09	5.47E-09	6.42E-10	1.98E-09	2.63E-09
820	438290.49	3763517.43	7.39E-09	2.52E-08	3.26E-08	1.15E-09	4.12E-09	5.26E-09	6.18E-10	1.91E-09	2.53E-09
821	438248.32	3763562.78	5.96E-09	2.03E-08	2.63E-08	9.27E-10	3.32E-09	4.25E-09	4.99E-10	1.54E-09	2.04E-09
822	438239.89	3763571.85	5.7E-09	1.94E-08	2.51E-08	8.85E-10	3.17E-09	4.06E-09	4.77E-10	1.47E-09	1.95E-09
823	438231.45	3763580.92	5.44E-09	1.85E-08	2.40E-08	8.45E-10	3.03E-09	3.87E-09	4.55E-10	1.41E-09	1.86E-09
824	438223.02	3763589.99	5.2E-09	1.77E-08	2.29E-08	8.07E-10	2.89E-09	3.70E-09	4.35E-10	1.34E-09	1.78E-09
825	438214.59	3763599.06	4.97E-09	1.70E-08	2.19E-08	7.72E-10	2.77E-09	3.54E-09	4.16E-10	1.28E-09	1.70E-09
826	438206.15	3763608.13	4.75E-09	1.62E-08	2.10E-08	7.38E-10	2.65E-09	3.39E-09	3.98E-10	1.23E-09	1.63E-09
827	438197.72	3763617.2	4.54E-09	1.55E-08	2.00E-08	7.05E-10	2.53E-09	3.23E-09	3.80E-10	1.17E-09	1.55E-09
828	438189.29	3763626.27	4.33E-09	1.48E-08	1.91E-08	6.73E-10	2.41E-09	3.09E-09	3.63E-10	1.12E-09	1.48E-09
829	438180.85	3763635.34	4.13E-09	1.41E-08	1.82E-08	6.42E-10	2.30E-09	2.94E-09	3.46E-10	1.07E-09	1.41E-09
830	438172.42	3763644.41	3.94E-09	1.34E-08	1.74E-08	6.12E-10	2.19E-09	2.81E-09	3.30E-10	1.02E-09	1.35E-09
831	437586	3762817.86	1.33E-06	4.55E-06	5.88E-06	2.07E-07	7.43E-07	9.50E-07	1.12E-07	3.45E-07	4.56E-07
832	437586.01	3762808.05	1.34E-06	4.56E-06	5.90E-06	2.08E-07	7.45E-07	9.52E-07	1.12E-07	3.45E-07	4.57E-07
833	437586.03	3762798.24	1.33E-06	4.54E-06	5.87E-06	2.07E-07	7.42E-07	9.49E-07	1.11E-07	3.44E-07	4.56E-07
834	437586.04	3762788.43	1.31E-06	4.46E-06	5.77E-06	2.03E-07	7.29E-07	9.33E-07	1.10E-07	3.38E-07	4.48E-07
835	437586.05	3762778.62	1.27E-06	4.32E-06	5.59E-06	1.97E-07	7.06E-07	9.03E-07	1.06E-07	3.27E-07	4.34E-07
836	437586.07	3762768.81	1.2E-06	4.10E-06	5.30E-06	1.87E-07	6.70E-07	8.57E-07	1.01E-07	3.11E-07	4.11E-07
837	437586.08	3762759	1.12E-06	3.80E-06	4.92E-06	1.73E-07	6.21E-07	7.95E-07	9.34E-08	2.88E-07	3.82E-07
838	437586.1	3762749.19	1E-06	3.42E-06	4.42E-06	1.56E-07	5.58E-07	7.14E-07	8.39E-08	2.59E-07	3.43E-07
839	437586.11	3762739.38	8.63E-07	2.94E-06	3.80E-06	1.34E-07	4.80E-07	6.15E-07	7.22E-08	2.23E-07	2.95E-07
840	437586.13	3762729.57	7.14E-07	2.43E-06	3.15E-06	1.11E-07	3.98E-07	5.09E-07	5.97E-08	1.84E-07	2.44E-07
841	437596	3762817.87	1.1E-06	3.77E-06	4.87E-06	1.72E-07	6.16E-07	7.87E-07	9.25E-08	2.85E-07	3.78E-07
842	437596.01	3762808.06	1.11E-06	3.77E-06	4.88E-06	1.72E-07	6.16E-07	7.88E-07	9.26E-08	2.86E-07	3.78E-07
843	437596.03	3762798.25	1.1E-06	3.76E-06	4.86E-06	1.71E-07	6.13E-07	7.85E-07	9.22E-08	2.85E-07	3.77E-07
844	437596.04	3762788.44	1.08E-06	3.69E-06	4.77E-06	1.68E-07	6.02E-07	7.70E-07	9.05E-08	2.79E-07	3.70E-07
845	437596.05	3762778.63	1.04E-06	3.56E-06	4.60E-06	1.62E-07	5.82E-07	7.44E-07	8.74E-08	2.70E-07	3.57E-07
846	437596.07	3762768.82	9.86E-07	3.36E-06	4.35E-06	1.53E-07	5.49E-07	7.03E-07	8.25E-08	2.55E-07	3.37E-07
847	437596.08	3762759.02	9.11E-07	3.11E-06	4.02E-06	1.42E-07	5.08E-07	6.49E-07	7.63E-08	2.35E-07	3.12E-07
848	437596.1	3762749.21	8.19E-07	2.79E-06	3.61E-06	1.27E-07	4.56E-07	5.83E-07	6.85E-08	2.12E-07	2.80E-07
849	437596.11	3762739.4	7.12E-07	2.43E-06	3.14E-06	1.11E-07	3.97E-07	5.07E-07	5.96E-08	1.84E-07	2.44E-07
850	437596.13	3762729.59	6.03E-07	2.05E-06	2.66E-06	9.36E-08	3.36E-07	4.29E-07	5.04E-08	1.56E-07	2.06E-07

851	437605.98	3762827.69	9.22E-07	3.14E-06	4.07E-06	1.43E-07	5.14E-07	6.57E-07	7.72E-08	2.38E-07	3.15E-07
852	437606	3762817.89	9.32E-07	3.18E-06	4.11E-06	1.45E-07	5.19E-07	6.64E-07	7.80E-08	2.41E-07	3.19E-07
853	437606.01	3762808.08	9.31E-07	3.17E-06	4.11E-06	1.45E-07	5.19E-07	6.63E-07	7.79E-08	2.41E-07	3.18E-07
854	437606.03	3762798.27	9.26E-07	3.16E-06	4.08E-06	1.44E-07	5.16E-07	6.60E-07	7.75E-08	2.39E-07	3.17E-07
855	437606.04	3762788.46	9.08E-07	3.10E-06	4.00E-06	1.41E-07	5.06E-07	6.47E-07	7.60E-08	2.35E-07	3.11E-07
856	437606.05	3762778.65	8.75E-07	2.98E-06	3.86E-06	1.36E-07	4.88E-07	6.24E-07	7.33E-08	2.26E-07	2.99E-07
857	437606.07	3762768.84	8.24E-07	2.81E-06	3.63E-06	1.28E-07	4.59E-07	5.87E-07	6.90E-08	2.13E-07	2.82E-07
858	437606.08	3762759.03	7.6E-07	2.59E-06	3.35E-06	1.18E-07	4.23E-07	5.42E-07	6.36E-08	1.96E-07	2.60E-07
859	437606.1	3762749.22	6.85E-07	2.34E-06	3.02E-06	1.06E-07	3.82E-07	4.88E-07	5.73E-08	1.77E-07	2.34E-07
860	437606.11	3762739.41	6.02E-07	2.05E-06	2.66E-06	9.36E-08	3.36E-07	4.29E-07	5.04E-08	1.56E-07	2.06E-07
861	437606.13	3762729.6	5.19E-07	1.77E-06	2.29E-06	8.06E-08	2.89E-07	3.70E-07	4.34E-08	1.34E-07	1.77E-07
862	437615.98	3762827.71	8.05E-07	2.74E-06	3.55E-06	1.25E-07	4.48E-07	5.73E-07	6.74E-08	2.08E-07	2.75E-07
863	437616	3762817.9	8.11E-07	2.77E-06	3.58E-06	1.26E-07	4.52E-07	5.78E-07	6.79E-08	2.10E-07	2.77E-07
864	437616.01	3762808.09	8.08E-07	2.75E-06	3.56E-06	1.25E-07	4.50E-07	5.75E-07	6.76E-08	2.09E-07	2.76E-07
865	437616.03	3762798.28	8.01E-07	2.73E-06	3.53E-06	1.25E-07	4.46E-07	5.71E-07	6.71E-08	2.07E-07	2.74E-07
866	437616.04	3762788.47	7.84E-07	2.67E-06	3.46E-06	1.22E-07	4.37E-07	5.58E-07	6.56E-08	2.02E-07	2.68E-07
867	437616.05	3762778.66	7.54E-07	2.57E-06	3.32E-06	1.17E-07	4.20E-07	5.37E-07	6.31E-08	1.95E-07	2.58E-07
868	437616.07	3762768.85	7.08E-07	2.42E-06	3.12E-06	1.10E-07	3.95E-07	5.05E-07	5.93E-08	1.83E-07	2.42E-07
869	437616.08	3762759.04	6.53E-07	2.23E-06	2.88E-06	1.02E-07	3.64E-07	4.65E-07	5.47E-08	1.69E-07	2.23E-07
870	437616.1	3762749.24	5.91E-07	2.01E-06	2.61E-06	9.18E-08	3.29E-07	4.21E-07	4.95E-08	1.53E-07	2.02E-07
871	437616.11	3762739.43	5.25E-07	1.79E-06	2.31E-06	8.15E-08	2.92E-07	3.74E-07	4.39E-08	1.36E-07	1.79E-07
872	437616.13	3762729.62	4.58E-07	1.56E-06	2.02E-06	7.12E-08	2.55E-07	3.26E-07	3.83E-08	1.18E-07	1.57E-07
873	437625.98	3762827.72	7.16E-07	2.44E-06	3.16E-06	1.11E-07	3.99E-07	5.10E-07	5.99E-08	1.85E-07	2.45E-07
874	437626	3762817.91	7.19E-07	2.45E-06	3.17E-06	1.12E-07	4.01E-07	5.13E-07	6.02E-08	1.86E-07	2.46E-07
875	437626.01	3762808.11	7.14E-07	2.44E-06	3.15E-06	1.11E-07	3.98E-07	5.09E-07	5.98E-08	1.85E-07	2.44E-07
876	437626.03	3762798.3	7.06E-07	2.41E-06	3.11E-06	1.10E-07	3.93E-07	5.03E-07	5.91E-08	1.82E-07	2.42E-07
877	437626.04	3762788.49	6.88E-07	2.35E-06	3.04E-06	1.07E-07	3.83E-07	4.90E-07	5.76E-08	1.78E-07	2.36E-07
878	437626.05	3762778.68	6.6E-07	2.25E-06	2.91E-06	1.03E-07	3.68E-07	4.70E-07	5.53E-08	1.71E-07	2.26E-07
879	437626.07	3762768.87	6.2E-07	2.11E-06	2.73E-06	9.63E-08	3.45E-07	4.42E-07	5.19E-08	1.60E-07	2.12E-07
880	437626.08	3762759.06	5.72E-07	1.95E-06	2.52E-06	8.89E-08	3.19E-07	4.08E-07	4.79E-08	1.48E-07	1.96E-07
881	437626.1	3762749.25	5.19E-07	1.77E-06	2.29E-06	8.07E-08	2.89E-07	3.70E-07	4.35E-08	1.34E-07	1.78E-07
882	437626.11	3762739.44	4.65E-07	1.59E-06	2.05E-06	7.22E-08	2.59E-07	3.31E-07	3.89E-08	1.20E-07	1.59E-07
883	437626.13	3762729.63	4.1E-07	1.40E-06	1.81E-06	6.37E-08	2.28E-07	2.92E-07	3.43E-08	1.06E-07	1.40E-07
884	437635.98	3762827.74	6.4E-07	2.18E-06	2.82E-06	9.95E-08	3.57E-07	4.56E-07	5.36E-08	1.65E-07	2.19E-07
885	437636	3762817.93	6.42E-07	2.19E-06	2.83E-06	9.97E-08	3.57E-07	4.57E-07	5.37E-08	1.66E-07	2.19E-07
886	437636.01	3762808.12	6.35E-07	2.17E-06	2.80E-06	9.87E-08	3.54E-07	4.53E-07	5.32E-08	1.64E-07	2.17E-07
887	437636.03	3762798.31	6.26E-07	2.14E-06	2.76E-06	9.73E-08	3.49E-07	4.46E-07	5.24E-08	1.62E-07	2.14E-07
888	437636.04	3762788.5	6.08E-07	2.07E-06	2.68E-06	9.45E-08	3.39E-07	4.33E-07	5.09E-08	1.57E-07	2.08E-07
889	437636.05	3762778.69	5.82E-07	1.99E-06	2.57E-06	9.05E-08	3.24E-07	4.15E-07	4.87E-08	1.50E-07	1.99E-07
890	437636.07	3762768.88	5.47E-07	1.86E-06	2.41E-06	8.49E-08	3.04E-07	3.89E-07	4.57E-08	1.41E-07	1.87E-07
891	437636.08	3762759.07	5.05E-07	1.72E-06	2.23E-06	7.85E-08	2.81E-07	3.60E-07	4.23E-08	1.31E-07	1.73E-07
892	437636.1	3762749.26	4.6E-07	1.57E-06	2.03E-06	7.15E-08	2.56E-07	3.28E-07	3.85E-08	1.19E-07	1.57E-07
893	437636.11	3762739.46	4.15E-07	1.41E-06	1.83E-06	6.45E-08	2.31E-07	2.96E-07	3.47E-08	1.07E-07	1.42E-07
894	437636.13	3762729.65	3.69E-07	1.26E-06	1.63E-06	5.74E-08	2.06E-07	2.63E-07	3.09E-08	9.54E-08	1.26E-07
895	437633.37	3762898.63	4.14E-07	1.41E-06	1.83E-06	6.43E-08	2.31E-07	2.95E-07	3.47E-08	1.07E-07	1.42E-07
896	437645.98	3762827.75	5.77E-07	1.97E-06	2.55E-06	8.97E-08	3.22E-07	4.11E-07	4.83E-08	1.49E-07	1.97E-07
897	437646	3762817.94	5.77E-07	1.97E-06	2.55E-06	8.97E-08	3.22E-07	4.11E-07	4.83E-08	1.49E-07	1.98E-07
898	437646.01	3762808.13	5.71E-07	1.95E-06	2.52E-06	8.87E-08	3.18E-07	4.07E-07	4.78E-08	1.47E-07	1.95E-07
899	437646.03	3762798.33	5.61E-07	1.91E-06	2.47E-06	8.71E-08	3.12E-07	3.99E-07	4.69E-08	1.45E-07	1.92E-07
900	437646.04	3762788.52	5.43E-07	1.85E-06	2.40E-06	8.44E-08	3.03E-07	3.87E-07	4.55E-08	1.40E-07	1.86E-07
901	437646.05	3762778.71	5.19E-07	1.77E-06	2.29E-06	8.06E-08	2.89E-07	3.70E-07	4.34E-08	1.34E-07	1.78E-07
902	437646.07	3762768.9	4.87E-07	1.66E-06	2.15E-06	7.57E-08	2.71E-07	3.47E-07	4.08E-08	1.26E-07	1.67E-07
903	437646.08	3762759.09	4.51E-07	1.54E-06	1.99E-06	7.01E-08	2.51E-07	3.21E-07	3.78E-08	1.17E-07	1.54E-07
904	437646.1	3762749.28	4.12E-07	1.41E-06	1.82E-06	6.40E-08	2.30E-07	2.94E-07	3.45E-08	1.07E-07	1.41E-07
905	437646.11	3762739.47	3.73E-07	1.27E-06	1.64E-06	5.79E-08	2.08E-07	2.66E-07	3.12E-08	9.63E-08	1.28E-07
906	437646.13	3762729.66	3.33E-07	1.14E-06	1.47E-06	5.18E-08	1.86E-07	2.38E-07	2.79E-08	8.62E-08	1.14E-07
907	437641.98	3762903.25	3.73E-07	1.27E-06	1.65E-06	5.80E-08	2.08E-07	2.66E-07	3.12E-08	9.64E-08	1.28E-07
908	437655.98	3762827.77	5.22E-07	1.78E-06	2.30E-06	8.11E-08	2.91E-07	3.72E-07	4.37E-08	1.35E-07	1.79E-07
909	437656	3762817.96	5.22E-07	1.78E-06	2.30E-06	8.10E-08	2.91E-07	3.72E-07	4.37E-08	1.35E-07	1.78E-07
910	437656.01	3762808.15	5.15E-07	1.76E-06	2.27E-06	8.00E-08	2.87E-07	3.67E-07	4.31E-08	1.33E-07	1.76E-07
911	437656.03	3762798.34	5.04E-07	1.72E-06	2.22E-06	7.83E-08	2.81E-07	3.59E-07	4.22E-08	1.30E-07	1.72E-07

912	437656.04	3762788.53	4.87E-07	1.66E-06	2.15E-06	7.57E-08	2.71E-07	3.47E-07	4.08E-08	1.26E-07	1.67E-07
913	437656.05	3762778.72	4.65E-07	1.58E-06	2.05E-06	7.22E-08	2.59E-07	3.31E-07	3.89E-08	1.20E-07	1.59E-07
914	437656.07	3762768.91	4.36E-07	1.49E-06	1.92E-06	6.78E-08	2.43E-07	3.11E-07	3.65E-08	1.13E-07	1.49E-07
915	437656.08	3762759.1	4.05E-07	1.38E-06	1.79E-06	6.29E-08	2.26E-07	2.88E-07	3.39E-08	1.05E-07	1.38E-07
916	437656.1	3762749.29	3.71E-07	1.27E-06	1.64E-06	5.77E-08	2.07E-07	2.64E-07	3.11E-08	9.59E-08	1.27E-07
917	437656.11	3762739.48	3.37E-07	1.15E-06	1.48E-06	5.23E-08	1.87E-07	2.40E-07	2.82E-08	8.70E-08	1.15E-07
918	437656.13	3762729.67	3.02E-07	1.03E-06	1.33E-06	4.70E-08	1.68E-07	2.15E-07	2.53E-08	7.81E-08	1.03E-07
919	437663.37	3762898.68	3.46E-07	1.18E-06	1.53E-06	5.38E-08	1.93E-07	2.47E-07	2.90E-08	8.94E-08	1.18E-07
920	437658.34	3762915.26	3.01E-07	1.03E-06	1.33E-06	4.68E-08	1.68E-07	2.15E-07	2.52E-08	7.79E-08	1.03E-07
921	437675.98	3762827.8	4.28E-07	1.46E-06	1.89E-06	6.65E-08	2.39E-07	3.05E-07	3.58E-08	1.11E-07	1.46E-07
922	437676	3762817.99	4.26E-07	1.45E-06	1.88E-06	6.62E-08	2.37E-07	3.03E-07	3.57E-08	1.10E-07	1.46E-07
923	437676.01	3762808.18	4.19E-07	1.43E-06	1.85E-06	6.51E-08	2.33E-07	2.99E-07	3.51E-08	1.08E-07	1.43E-07
924	437676.03	3762798.37	4.08E-07	1.39E-06	1.80E-06	6.34E-08	2.27E-07	2.91E-07	3.42E-08	1.05E-07	1.40E-07
925	437676.04	3762788.56	3.93E-07	1.34E-06	1.73E-06	6.10E-08	2.19E-07	2.80E-07	3.29E-08	1.01E-07	1.34E-07
926	437676.05	3762778.75	3.74E-07	1.27E-06	1.65E-06	5.81E-08	2.08E-07	2.66E-07	3.13E-08	9.66E-08	1.28E-07
927	437676.07	3762768.94	3.52E-07	1.20E-06	1.55E-06	5.47E-08	1.96E-07	2.51E-07	2.95E-08	9.09E-08	1.20E-07
928	437676.08	3762759.13	3.28E-07	1.12E-06	1.45E-06	5.09E-08	1.83E-07	2.34E-07	2.74E-08	8.47E-08	1.12E-07
929	437676.1	3762749.32	3.03E-07	1.03E-06	1.33E-06	4.70E-08	1.69E-07	2.16E-07	2.53E-08	7.82E-08	1.03E-07
930	437676.11	3762739.51	2.77E-07	9.44E-07	1.22E-06	4.30E-08	1.54E-07	1.97E-07	2.32E-08	7.15E-08	9.47E-08
931	437676.13	3762729.7	2.51E-07	8.57E-07	1.11E-06	3.90E-08	1.40E-07	1.79E-07	2.10E-08	6.49E-08	8.60E-08
932	437676.14	3762719.89	2.27E-07	7.74E-07	1.00E-06	3.53E-08	1.26E-07	1.62E-07	1.90E-08	5.86E-08	7.76E-08
933	437680.3	3762908.84	2.87E-07	9.80E-07	1.27E-06	4.47E-08	1.60E-07	2.05E-07	2.41E-08	7.43E-08	9.83E-08
934	437677.69	3762917.44	2.7E-07	9.20E-07	1.19E-06	4.19E-08	1.50E-07	1.92E-07	2.26E-08	6.97E-08	9.23E-08
935	437695.97	3762837.64	3.54E-07	1.21E-06	1.56E-06	5.49E-08	1.97E-07	2.52E-07	2.96E-08	9.14E-08	1.21E-07
936	437695.98	3762827.83	3.54E-07	1.21E-06	1.56E-06	5.50E-08	1.97E-07	2.52E-07	2.96E-08	9.14E-08	1.21E-07
937	437696	3762818.02	3.5E-07	1.19E-06	1.54E-06	5.44E-08	1.95E-07	2.50E-07	2.93E-08	9.05E-08	1.20E-07
938	437696.01	3762808.21	3.43E-07	1.17E-06	1.51E-06	5.34E-08	1.91E-07	2.45E-07	2.87E-08	8.87E-08	1.17E-07
939	437696.03	3762798.4	3.33E-07	1.14E-06	1.47E-06	5.18E-08	1.86E-07	2.37E-07	2.79E-08	8.61E-08	1.14E-07
940	437696.04	3762788.59	3.21E-07	1.09E-06	1.41E-06	4.98E-08	1.79E-07	2.28E-07	2.68E-08	8.28E-08	1.10E-07
941	437696.05	3762778.78	3.05E-07	1.04E-06	1.35E-06	4.74E-08	1.70E-07	2.18E-07	2.56E-08	7.89E-08	1.04E-07
942	437696.07	3762768.97	2.88E-07	9.83E-07	1.27E-06	4.48E-08	1.61E-07	2.05E-07	2.41E-08	7.45E-08	9.86E-08
943	437696.08	3762759.16	2.7E-07	9.20E-07	1.19E-06	4.19E-08	1.50E-07	1.92E-07	2.26E-08	6.97E-08	9.23E-08
944	437696.1	3762749.35	2.5E-07	8.54E-07	1.10E-06	3.89E-08	1.39E-07	1.78E-07	2.10E-08	6.47E-08	8.57E-08
945	437696.11	3762739.54	2.31E-07	7.88E-07	1.02E-06	3.59E-08	1.29E-07	1.65E-07	1.93E-08	5.97E-08	7.90E-08
946	437696.13	3762729.73	2.12E-07	7.22E-07	9.34E-07	3.29E-08	1.18E-07	1.51E-07	1.77E-08	5.47E-08	7.24E-08
947	437696.14	3762719.92	1.93E-07	6.59E-07	8.52E-07	3.00E-08	1.08E-07	1.38E-07	1.62E-08	4.99E-08	6.61E-08
948	437702.53	3762901.5	2.67E-07	9.11E-07	1.18E-06	4.15E-08	1.49E-07	1.90E-07	2.24E-08	6.90E-08	9.14E-08
949	437699.85	3762910.34	2.56E-07	8.71E-07	1.13E-06	3.97E-08	1.42E-07	1.82E-07	2.14E-08	6.60E-08	8.74E-08
950	437697.17	3762919.18	2.42E-07	8.26E-07	1.07E-06	3.76E-08	1.35E-07	1.73E-07	2.03E-08	6.26E-08	8.29E-08
951	437715.97	3762837.66	2.97E-07	1.01E-06	1.31E-06	4.61E-08	1.65E-07	2.11E-07	2.48E-08	7.67E-08	1.01E-07
952	437715.98	3762827.86	2.95E-07	1.01E-06	1.30E-06	4.59E-08	1.65E-07	2.10E-07	2.47E-08	7.63E-08	1.01E-07
953	437716	3762818.05	2.91E-07	9.94E-07	1.29E-06	4.53E-08	1.62E-07	2.08E-07	2.44E-08	7.53E-08	9.97E-08
954	437716.01	3762808.24	2.85E-07	9.72E-07	1.26E-06	4.43E-08	1.59E-07	2.03E-07	2.39E-08	7.37E-08	9.75E-08
955	437716.03	3762798.43	2.76E-07	9.43E-07	1.22E-06	4.30E-08	1.54E-07	1.97E-07	2.31E-08	7.14E-08	9.46E-08
956	437716.04	3762788.62	2.66E-07	9.07E-07	1.17E-06	4.13E-08	1.48E-07	1.89E-07	2.23E-08	6.87E-08	9.09E-08
957	437716.05	3762778.81	2.54E-07	8.65E-07	1.12E-06	3.94E-08	1.41E-07	1.81E-07	2.12E-08	6.55E-08	8.68E-08
958	437716.07	3762769	2.4E-07	8.19E-07	1.06E-06	3.73E-08	1.34E-07	1.71E-07	2.01E-08	6.20E-08	8.21E-08
959	437716.08	3762759.19	2.26E-07	7.69E-07	9.95E-07	3.51E-08	1.26E-07	1.61E-07	1.89E-08	5.83E-08	7.72E-08
960	437716.1	3762749.38	2.11E-07	7.18E-07	9.29E-07	3.27E-08	1.17E-07	1.50E-07	1.76E-08	5.44E-08	7.21E-08
961	437716.11	3762739.57	1.96E-07	6.67E-07	8.63E-07	3.04E-08	1.09E-07	1.39E-07	1.64E-08	5.05E-08	6.69E-08
962	437716.13	3762729.76	1.81E-07	6.16E-07	7.97E-07	2.81E-08	1.01E-07	1.29E-07	1.51E-08	4.67E-08	6.18E-08
963	437716.14	3762719.95	1.66E-07	5.67E-07	7.33E-07	2.58E-08	9.26E-08	1.18E-07	1.39E-08	4.30E-08	5.69E-08
964	437735.97	3762837.69	2.52E-07	8.58E-07	1.11E-06	3.91E-08	1.40E-07	1.79E-07	2.11E-08	6.50E-08	8.61E-08
965	437735.98	3762827.88	2.5E-07	8.51E-07	1.10E-06	3.88E-08	1.39E-07	1.78E-07	2.09E-08	6.45E-08	8.54E-08
966	437736	3762818.07	2.46E-07	8.37E-07	1.08E-06	3.82E-08	1.37E-07	1.75E-07	2.06E-08	6.35E-08	8.40E-08
967	437736.01	3762808.27	2.4E-07	8.18E-07	1.06E-06	3.73E-08	1.34E-07	1.71E-07	2.01E-08	6.20E-08	8.21E-08
968	437736.03	3762798.46	2.32E-07	7.93E-07	1.03E-06	3.61E-08	1.30E-07	1.66E-07	1.95E-08	6.01E-08	7.95E-08
969	437736.04	3762788.65	2.24E-07	7.63E-07	9.87E-07	3.48E-08	1.25E-07	1.59E-07	1.87E-08	5.78E-08	7.65E-08
970	437736.05	3762778.84	2.14E-07	7.29E-07	9.43E-07	3.32E-08	1.19E-07	1.52E-07	1.79E-08	5.52E-08	7.31E-08
971	437736.07	3762769.03	2.03E-07	6.92E-07	8.95E-07	3.15E-08	1.13E-07	1.45E-07	1.70E-08	5.24E-08	6.94E-08
972	437736.08	3762759.22	1.91E-07	6.53E-07	8.44E-07	2.97E-08	1.07E-07	1.36E-07	1.60E-08	4.95E-08	6.55E-08

973	437736.1	3762749.41	1.8E-07	6.12E-07	7.92E-07	2.79E-08	1.00E-07	1.28E-07	1.50E-08	4.64E-08	6.14E-08
974	437736.11	3762739.6	1.68E-07	5.72E-07	7.40E-07	2.61E-08	9.35E-08	1.20E-07	1.40E-08	4.33E-08	5.74E-08
975	437736.13	3762729.79	1.56E-07	5.32E-07	6.88E-07	2.42E-08	8.69E-08	1.11E-07	1.31E-08	4.03E-08	5.34E-08
976	437736.14	3762719.98	1.45E-07	4.93E-07	6.38E-07	2.25E-08	8.05E-08	1.03E-07	1.21E-08	3.74E-08	4.95E-08
977	437744.77	3762894.19	2.15E-07	7.32E-07	9.47E-07	3.34E-08	1.20E-07	1.53E-07	1.80E-08	5.55E-08	7.35E-08
978	437741.98	3762903.4	2.1E-07	7.17E-07	9.27E-07	3.27E-08	1.17E-07	1.50E-07	1.76E-08	5.43E-08	7.19E-08
979	437739.18	3762912.61	2.04E-07	6.96E-07	9.00E-07	3.17E-08	1.14E-07	1.45E-07	1.71E-08	5.28E-08	6.99E-08
980	437736.39	3762921.82	1.97E-07	6.71E-07	8.68E-07	3.06E-08	1.10E-07	1.40E-07	1.65E-08	5.09E-08	6.73E-08
981	437755.97	3762837.72	2.16E-07	7.36E-07	9.52E-07	3.35E-08	1.20E-07	1.54E-07	1.81E-08	5.58E-08	7.38E-08
982	437755.98	3762827.91	2.13E-07	7.28E-07	9.41E-07	3.32E-08	1.19E-07	1.52E-07	1.79E-08	5.51E-08	7.30E-08
983	437756	3762818.1	2.1E-07	7.15E-07	9.24E-07	3.26E-08	1.17E-07	1.49E-07	1.75E-08	5.42E-08	7.17E-08
984	437756.01	3762808.29	2.04E-07	6.97E-07	9.01E-07	3.17E-08	1.14E-07	1.46E-07	1.71E-08	5.28E-08	6.99E-08
985	437756.03	3762798.49	1.98E-07	6.75E-07	8.73E-07	3.08E-08	1.10E-07	1.41E-07	1.66E-08	5.12E-08	6.77E-08
986	437756.04	3762788.68	1.91E-07	6.50E-07	8.41E-07	2.96E-08	1.06E-07	1.36E-07	1.60E-08	4.93E-08	6.52E-08
987	437756.05	3762778.87	1.83E-07	6.22E-07	8.05E-07	2.84E-08	1.02E-07	1.30E-07	1.53E-08	4.72E-08	6.24E-08
988	437756.07	3762769.06	1.74E-07	5.92E-07	7.66E-07	2.70E-08	9.67E-08	1.24E-07	1.45E-08	4.49E-08	5.94E-08
989	437756.08	3762759.25	1.64E-07	5.61E-07	7.25E-07	2.55E-08	9.16E-08	1.17E-07	1.38E-08	4.25E-08	5.62E-08
990	437756.1	3762749.44	1.55E-07	5.28E-07	6.83E-07	2.41E-08	8.63E-08	1.10E-07	1.30E-08	4.00E-08	5.30E-08
991	437756.11	3762739.63	1.45E-07	4.96E-07	6.42E-07	2.26E-08	8.10E-08	1.04E-07	1.22E-08	3.76E-08	4.98E-08
992	437756.13	3762729.82	1.36E-07	4.64E-07	6.00E-07	2.11E-08	7.58E-08	9.70E-08	1.14E-08	3.52E-08	4.66E-08
993	437756.14	3762720.01	1.27E-07	4.33E-07	5.60E-07	1.97E-08	7.07E-08	9.04E-08	1.06E-08	3.28E-08	4.34E-08
994	437764.6	3762894.78	1.9E-07	6.49E-07	8.39E-07	2.96E-08	1.06E-07	1.36E-07	1.59E-08	4.92E-08	6.51E-08
995	437761.76	3762904.14	1.87E-07	6.39E-07	8.26E-07	2.91E-08	1.04E-07	1.33E-07	1.57E-08	4.84E-08	6.41E-08
996	437758.92	3762913.49	1.83E-07	6.24E-07	8.07E-07	2.84E-08	1.02E-07	1.30E-07	1.53E-08	4.73E-08	6.26E-08
997	437756.09	3762922.84	1.78E-07	6.05E-07	7.83E-07	2.76E-08	9.89E-08	1.26E-07	1.49E-08	4.59E-08	6.07E-08
998	437753.25	3762932.2	1.71E-07	5.83E-07	7.54E-07	2.66E-08	9.53E-08	1.22E-07	1.43E-08	4.42E-08	5.85E-08
999	437750.42	3762941.55	1.64E-07	5.58E-07	7.22E-07	2.54E-08	9.12E-08	1.17E-07	1.37E-08	4.23E-08	5.60E-08
1000	437747.58	3762950.9	1.56E-07	5.31E-07	6.86E-07	2.42E-08	8.67E-08	1.11E-07	1.30E-08	4.02E-08	5.32E-08
1001	437744.74	3762960.25	1.47E-07	5.01E-07	6.48E-07	2.28E-08	8.19E-08	1.05E-07	1.23E-08	3.80E-08	5.03E-08
1002	437741.91	3762969.61	1.38E-07	4.71E-07	6.09E-07	2.15E-08	7.69E-08	9.84E-08	1.16E-08	3.57E-08	4.72E-08
1003	437782.53	3762901.61	1.68E-07	5.72E-07	7.40E-07	2.61E-08	9.35E-08	1.20E-07	1.40E-08	4.34E-08	5.74E-08
1004	437779.85	3762910.46	1.66E-07	5.65E-07	7.30E-07	2.57E-08	9.23E-08	1.18E-07	1.39E-08	4.28E-08	5.67E-08
1005	437777.17	3762919.3	1.62E-07	5.54E-07	7.17E-07	2.52E-08	9.05E-08	1.16E-07	1.36E-08	4.20E-08	5.56E-08
1006	437774.49	3762928.14	1.58E-07	5.40E-07	6.99E-07	2.46E-08	8.82E-08	1.13E-07	1.33E-08	4.09E-08	5.42E-08
1007	437771.81	3762936.99	1.54E-07	5.24E-07	6.77E-07	2.39E-08	8.55E-08	1.09E-07	1.29E-08	3.97E-08	5.25E-08
1008	437769.13	3762945.83	1.48E-07	5.05E-07	6.53E-07	2.30E-08	8.24E-08	1.05E-07	1.24E-08	3.82E-08	5.06E-08
1009	437766.45	3762954.67	1.42E-07	4.84E-07	6.25E-07	2.20E-08	7.90E-08	1.01E-07	1.19E-08	3.66E-08	4.85E-08
1010	437763.77	3762963.52	1.35E-07	4.61E-07	5.96E-07	2.10E-08	7.53E-08	9.63E-08	1.13E-08	3.49E-08	4.62E-08
1011	437761.08	3762972.36	1.28E-07	4.37E-07	5.65E-07	1.99E-08	7.14E-08	9.13E-08	1.07E-08	3.31E-08	4.38E-08
1012	437758.4	3762981.2	1.21E-07	4.12E-07	5.33E-07	1.88E-08	6.73E-08	8.61E-08	1.01E-08	3.12E-08	4.13E-08
1013	437795.95	3762847.59	1.64E-07	5.61E-07	7.25E-07	2.55E-08	9.16E-08	1.17E-07	1.38E-08	4.25E-08	5.62E-08
1014	437795.97	3762837.78	1.63E-07	5.56E-07	7.18E-07	2.53E-08	9.07E-08	1.16E-07	1.36E-08	4.21E-08	5.57E-08
1015	437795.98	3762827.97	1.61E-07	5.47E-07	7.08E-07	2.49E-08	8.94E-08	1.14E-07	1.34E-08	4.15E-08	5.49E-08
1016	437794.15	3762929.28	1.44E-07	4.91E-07	6.35E-07	2.24E-08	8.02E-08	1.03E-07	1.20E-08	3.72E-08	4.92E-08
1017	437791.43	3762938.26	1.4E-07	4.78E-07	6.19E-07	2.18E-08	7.81E-08	9.99E-08	1.17E-08	3.62E-08	4.80E-08
1018	437788.71	3762947.24	1.36E-07	4.64E-07	6.00E-07	2.11E-08	7.57E-08	9.69E-08	1.14E-08	3.51E-08	4.65E-08
1019	437785.99	3762956.22	1.31E-07	4.47E-07	5.78E-07	2.04E-08	7.30E-08	9.34E-08	1.10E-08	3.39E-08	4.48E-08
1020	437783.26	3762965.2	1.26E-07	4.29E-07	5.54E-07	1.95E-08	7.00E-08	8.95E-08	1.05E-08	3.25E-08	4.30E-08
1021	437780.54	3762974.18	1.2E-07	4.09E-07	5.29E-07	1.86E-08	6.68E-08	8.54E-08	1.00E-08	3.10E-08	4.10E-08
1022	437777.82	3762983.16	1.14E-07	3.88E-07	5.02E-07	1.77E-08	6.34E-08	8.10E-08	9.52E-09	2.94E-08	3.89E-08
1023	437775.09	3762992.15	1.07E-07	3.66E-07	4.74E-07	1.67E-08	5.98E-08	7.65E-08	8.99E-09	2.78E-08	3.67E-08
1024	437815.95	3762847.62	1.45E-07	4.94E-07	6.39E-07	2.25E-08	8.08E-08	1.03E-07	1.21E-08	3.75E-08	4.96E-08
1025	437815.97	3762837.81	1.43E-07	4.89E-07	6.32E-07	2.23E-08	7.99E-08	1.02E-07	1.20E-08	3.71E-08	4.91E-08
1026	437815.98	3762828	1.41E-07	4.81E-07	6.22E-07	2.19E-08	7.86E-08	1.00E-07	1.18E-08	3.64E-08	4.82E-08
1027	437816	3762818.19	1.38E-07	4.71E-07	6.09E-07	2.14E-08	7.69E-08	9.83E-08	1.16E-08	3.57E-08	4.72E-08
1028	437816.01	3762808.38	1.34E-07	4.58E-07	5.92E-07	2.09E-08	7.48E-08	9.56E-08	1.12E-08	3.47E-08	4.59E-08
1029	437816.03	3762798.57	1.3E-07	4.43E-07	5.73E-07	2.02E-08	7.23E-08	9.25E-08	1.09E-08	3.36E-08	4.44E-08
1030	437816.04	3762788.76	1.25E-07	4.26E-07	5.52E-07	1.94E-08	6.97E-08	8.91E-08	1.05E-08	3.23E-08	4.28E-08
1031	437816.05	3762778.95	1.2E-07	4.09E-07	5.29E-07	1.86E-08	6.68E-08	8.55E-08	1.00E-08	3.10E-08	4.10E-08
1032	437816.07	3762769.15	1.15E-07	3.93E-07	5.08E-07	1.79E-08	6.42E-08	8.21E-08	9.65E-09	2.98E-08	3.94E-08
1033	437816.08	3762759.34	1.1E-07	3.76E-07	4.87E-07	1.71E-08	6.15E-08	7.86E-08	9.23E-09	2.85E-08	3.77E-08

1034	437816.1	3762749.53	1.05E-07	3.59E-07	4.64E-07	1.64E-08	5.87E-08	7.50E-08	8.82E-09	2.72E-08	3.60E-08
1035	437816.11	3762739.72	1E-07	3.42E-07	4.42E-07	1.56E-08	5.58E-08	7.14E-08	8.38E-09	2.59E-08	3.43E-08
1036	437816.13	3762729.91	9.48E-08	3.23E-07	4.18E-07	1.47E-08	5.28E-08	6.76E-08	7.94E-09	2.45E-08	3.24E-08
1037	437816.14	3762720.1	8.96E-08	3.05E-07	3.95E-07	1.39E-08	4.99E-08	6.38E-08	7.50E-09	2.31E-08	3.06E-08
1038	437800.06	3762975.8	1.12E-07	3.82E-07	4.95E-07	1.74E-08	6.25E-08	7.99E-08	9.39E-09	2.90E-08	3.84E-08
1039	437797.3	3762984.9	1.07E-07	3.65E-07	4.72E-07	1.66E-08	5.96E-08	7.62E-08	8.96E-09	2.77E-08	3.66E-08
1040	437794.54	3762994	1.02E-07	3.46E-07	4.48E-07	1.58E-08	5.66E-08	7.24E-08	8.50E-09	2.63E-08	3.48E-08
1041	437791.78	3763003.11	9.59E-08	3.27E-07	4.23E-07	1.49E-08	5.34E-08	6.83E-08	8.03E-09	2.48E-08	3.28E-08
1042	437835.95	3762847.65	1.29E-07	4.38E-07	5.67E-07	2.00E-08	7.16E-08	9.16E-08	1.08E-08	3.32E-08	4.40E-08
1043	437835.97	3762837.84	1.27E-07	4.33E-07	5.60E-07	1.97E-08	7.07E-08	9.04E-08	1.06E-08	3.28E-08	4.34E-08
1044	437835.98	3762828.03	1.25E-07	4.25E-07	5.50E-07	1.94E-08	6.95E-08	8.89E-08	1.04E-08	3.22E-08	4.27E-08
1045	437836	3762818.22	1.22E-07	4.16E-07	5.38E-07	1.90E-08	6.80E-08	8.69E-08	1.02E-08	3.15E-08	4.17E-08
1046	437836.01	3762808.41	1.19E-07	4.06E-07	5.24E-07	1.85E-08	6.63E-08	8.47E-08	9.95E-09	3.07E-08	4.07E-08
1047	437836.03	3762798.6	1.15E-07	3.93E-07	5.09E-07	1.79E-08	6.43E-08	8.22E-08	9.66E-09	2.98E-08	3.95E-08
1048	437836.04	3762788.79	1.11E-07	3.79E-07	4.91E-07	1.73E-08	6.20E-08	7.93E-08	9.31E-09	2.87E-08	3.81E-08
1049	437836.05	3762778.98	1.07E-07	3.65E-07	4.71E-07	1.66E-08	5.96E-08	7.62E-08	8.95E-09	2.76E-08	3.66E-08
1050	437836.07	3762769.17	1.03E-07	3.51E-07	4.54E-07	1.60E-08	5.73E-08	7.33E-08	8.61E-09	2.66E-08	3.52E-08
1051	437836.08	3762759.36	9.88E-08	3.37E-07	4.36E-07	1.53E-08	5.50E-08	7.04E-08	8.27E-09	2.55E-08	3.38E-08
1052	437836.1	3762749.56	9.43E-08	3.21E-07	4.16E-07	1.46E-08	5.25E-08	6.72E-08	7.89E-09	2.44E-08	3.22E-08
1053	437836.11	3762739.75	8.97E-08	3.06E-07	3.96E-07	1.39E-08	5.00E-08	6.39E-08	7.51E-09	2.32E-08	3.07E-08
1054	437836.13	3762729.94	8.52E-08	2.90E-07	3.76E-07	1.32E-08	4.75E-08	6.07E-08	7.13E-09	2.20E-08	2.91E-08
1055	437836.14	3762720.13	8.07E-08	2.75E-07	3.56E-07	1.25E-08	4.50E-08	5.75E-08	6.76E-09	2.09E-08	2.76E-08
1056	437844.77	3762894.33	1.22E-07	4.15E-07	5.37E-07	1.89E-08	6.78E-08	8.67E-08	1.02E-08	3.15E-08	4.16E-08
1057	437841.97	3762903.54	1.22E-07	4.15E-07	5.37E-07	1.89E-08	6.78E-08	8.67E-08	1.02E-08	3.14E-08	4.16E-08
1058	437839.18	3762912.76	1.21E-07	4.14E-07	5.35E-07	1.89E-08	6.76E-08	8.65E-08	1.02E-08	3.14E-08	4.15E-08
1059	437836.39	3762921.97	1.21E-07	4.11E-07	5.32E-07	1.87E-08	6.72E-08	8.59E-08	1.01E-08	3.11E-08	4.12E-08
1060	437833.6	3762931.18	1.19E-07	4.06E-07	5.26E-07	1.85E-08	6.64E-08	8.49E-08	9.97E-09	3.08E-08	4.08E-08
1061	437830.8	3762940.39	1.17E-07	4.00E-07	5.17E-07	1.82E-08	6.54E-08	8.36E-08	9.82E-09	3.03E-08	4.01E-08
1062	437828.01	3762949.6	1.15E-07	3.92E-07	5.07E-07	1.79E-08	6.41E-08	8.19E-08	9.63E-09	2.97E-08	3.93E-08
1063	437825.22	3762958.81	1.12E-07	3.83E-07	4.95E-07	1.74E-08	6.25E-08	7.99E-08	9.39E-09	2.90E-08	3.84E-08
1064	437822.42	3762968.02	1.09E-07	3.71E-07	4.80E-07	1.69E-08	6.06E-08	7.75E-08	9.11E-09	2.81E-08	3.72E-08
1065	437819.63	3762977.24	1.05E-07	3.58E-07	4.63E-07	1.63E-08	5.84E-08	7.47E-08	8.78E-09	2.71E-08	3.59E-08
1066	437816.84	3762986.45	1.01E-07	3.43E-07	4.44E-07	1.56E-08	5.60E-08	7.17E-08	8.42E-09	2.60E-08	3.44E-08
1067	437855.95	3762847.68	1.15E-07	3.91E-07	5.05E-07	1.78E-08	6.38E-08	8.16E-08	9.59E-09	2.96E-08	3.92E-08
1068	437855.97	3762837.87	1.13E-07	3.85E-07	4.98E-07	1.76E-08	6.29E-08	8.05E-08	9.46E-09	2.92E-08	3.87E-08
1069	437855.98	3762828.06	1.11E-07	3.79E-07	4.90E-07	1.72E-08	6.18E-08	7.91E-08	9.29E-09	2.87E-08	3.80E-08
1070	437856	3762818.25	1.09E-07	3.70E-07	4.79E-07	1.69E-08	6.05E-08	7.74E-08	9.09E-09	2.81E-08	3.72E-08
1071	437856.01	3762808.44	1.06E-07	3.61E-07	4.67E-07	1.64E-08	5.90E-08	7.54E-08	8.86E-09	2.74E-08	3.62E-08
1072	437856.03	3762798.63	1.03E-07	3.51E-07	4.53E-07	1.60E-08	5.73E-08	7.32E-08	8.60E-09	2.66E-08	3.52E-08
1073	437856.04	3762788.82	9.95E-08	3.39E-07	4.39E-07	1.55E-08	5.54E-08	7.09E-08	8.33E-09	2.57E-08	3.40E-08
1074	437856.05	3762779.01	9.6E-08	3.27E-07	4.23E-07	1.49E-08	5.35E-08	6.84E-08	8.04E-09	2.48E-08	3.28E-08
1075	437856.07	3762769.2	9.23E-08	3.15E-07	4.07E-07	1.43E-08	5.14E-08	6.58E-08	7.73E-09	2.39E-08	3.16E-08
1076	437856.08	3762759.39	8.86E-08	3.02E-07	3.91E-07	1.38E-08	4.93E-08	6.31E-08	7.41E-09	2.29E-08	3.03E-08
1077	437856.1	3762749.58	8.47E-08	2.89E-07	3.74E-07	1.32E-08	4.72E-08	6.03E-08	7.09E-09	2.19E-08	2.90E-08
1078	437856.11	3762739.78	8.08E-08	2.76E-07	3.56E-07	1.26E-08	4.50E-08	5.76E-08	6.77E-09	2.09E-08	2.77E-08
1079	437856.13	3762729.97	7.69E-08	2.62E-07	3.39E-07	1.20E-08	4.29E-08	5.48E-08	6.44E-09	1.99E-08	2.63E-08
1080	437856.14	3762720.16	7.31E-08	2.49E-07	3.22E-07	1.14E-08	4.07E-08	5.21E-08	6.12E-09	1.89E-08	2.50E-08
1081	437874.88	3762894.01	1.04E-07	3.56E-07	4.60E-07	1.62E-08	5.82E-08	7.44E-08	8.74E-09	2.70E-08	3.57E-08
1082	437872.11	3762903.13	1.05E-07	3.57E-07	4.62E-07	1.63E-08	5.84E-08	7.46E-08	8.77E-09	2.71E-08	3.58E-08
1083	437869.35	3762912.25	1.05E-07	3.57E-07	4.62E-07	1.63E-08	5.84E-08	7.47E-08	8.77E-09	2.71E-08	3.59E-08
1084	437866.58	3762921.37	1.05E-07	3.56E-07	4.61E-07	1.62E-08	5.82E-08	7.45E-08	8.75E-09	2.70E-08	3.58E-08
1085	437863.82	3762930.49	1.04E-07	3.54E-07	4.58E-07	1.61E-08	5.78E-08	7.40E-08	8.69E-09	2.68E-08	3.55E-08
1086	437861.05	3762939.6	1.03E-07	3.51E-07	4.53E-07	1.60E-08	5.73E-08	7.32E-08	8.61E-09	2.66E-08	3.52E-08
1087	437858.29	3762948.72	1.01E-07	3.46E-07	4.47E-07	1.57E-08	5.65E-08	7.22E-08	8.48E-09	2.62E-08	3.47E-08
1088	437855.52	3762957.84	9.94E-08	3.39E-07	4.39E-07	1.55E-08	5.54E-08	7.08E-08	8.32E-09	2.57E-08	3.40E-08
1089	437852.76	3762966.96	9.73E-08	3.32E-07	4.29E-07	1.51E-08	5.42E-08	6.93E-08	8.14E-09	2.51E-08	3.33E-08
1090	437849.99	3762976.08	9.49E-08	3.23E-07	4.18E-07	1.47E-08	5.28E-08	6.76E-08	7.94E-09	2.45E-08	3.25E-08
1091	437847.23	3762985.2	9.21E-08	3.14E-07	4.06E-07	1.43E-08	5.13E-08	6.56E-08	7.71E-09	2.38E-08	3.15E-08
1092	437844.46	3762994.32	8.9E-08	3.03E-07	3.92E-07	1.38E-08	4.96E-08	6.34E-08	7.45E-09	2.30E-08	3.04E-08
1093	437841.7	3763003.44	8.55E-08	2.92E-07	3.77E-07	1.33E-08	4.77E-08	6.09E-08	7.16E-09	2.21E-08	2.93E-08
1094	437838.93	3763012.56	8.19E-08	2.79E-07	3.61E-07	1.27E-08	4.56E-08	5.83E-08	6.85E-09	2.12E-08	2.80E-08

1095	437836.17	3763021.68	7.81E-08	2.66E-07	3.44E-07	1.21E-08	4.35E-08	5.56E-08	6.53E-09	2.02E-08	2.67E-08
1096	437833.4	3763030.8	7.42E-08	2.53E-07	3.27E-07	1.15E-08	4.13E-08	5.29E-08	6.21E-09	1.92E-08	2.54E-08
1097	437885.95	3762847.72	9.73E-08	3.32E-07	4.29E-07	1.51E-08	5.42E-08	6.93E-08	8.14E-09	2.51E-08	3.33E-08
1098	437885.97	3762837.91	9.59E-08	3.27E-07	4.23E-07	1.49E-08	5.34E-08	6.83E-08	8.02E-09	2.48E-08	3.28E-08
1099	437885.98	3762828.1	9.41E-08	3.21E-07	4.15E-07	1.46E-08	5.24E-08	6.71E-08	7.88E-09	2.43E-08	3.22E-08
1100	437886	3762818.29	9.21E-08	3.14E-07	4.06E-07	1.43E-08	5.13E-08	6.56E-08	7.71E-09	2.38E-08	3.15E-08
1101	437886.01	3762808.48	8.98E-08	3.06E-07	3.96E-07	1.40E-08	5.00E-08	6.40E-08	7.52E-09	2.32E-08	3.07E-08
1102	437886.03	3762798.67	8.74E-08	2.98E-07	3.85E-07	1.36E-08	4.87E-08	6.23E-08	7.31E-09	2.26E-08	2.99E-08
1103	437886.04	3762788.87	8.48E-08	2.89E-07	3.74E-07	1.32E-08	4.72E-08	6.04E-08	7.10E-09	2.19E-08	2.90E-08
1104	437886.05	3762779.06	8.2E-08	2.80E-07	3.62E-07	1.27E-08	4.57E-08	5.84E-08	6.86E-09	2.12E-08	2.80E-08
1105	437886.07	3762769.25	7.9E-08	2.69E-07	3.49E-07	1.23E-08	4.40E-08	5.63E-08	6.62E-09	2.04E-08	2.70E-08
1106	437886.08	3762759.44	7.6E-08	2.59E-07	3.35E-07	1.18E-08	4.23E-08	5.41E-08	6.36E-09	1.96E-08	2.60E-08
1107	437886.1	3762749.63	7.29E-08	2.49E-07	3.21E-07	1.13E-08	4.06E-08	5.19E-08	6.10E-09	1.88E-08	2.49E-08
1108	437886.11	3762739.82	6.98E-08	2.38E-07	3.08E-07	1.08E-08	3.89E-08	4.97E-08	5.84E-09	1.80E-08	2.39E-08
1109	437886.13	3762730.01	6.66E-08	2.27E-07	2.94E-07	1.04E-08	3.71E-08	4.75E-08	5.58E-09	1.72E-08	2.28E-08
1110	437886.14	3762720.2	6.35E-08	2.17E-07	2.80E-07	9.87E-09	3.54E-08	4.53E-08	5.32E-09	1.64E-08	2.17E-08
1111	437904.97	3762893.75	9.02E-08	3.08E-07	3.98E-07	1.40E-08	5.02E-08	6.42E-08	7.55E-09	2.33E-08	3.08E-08
1112	437902.23	3762902.79	9.08E-08	3.10E-07	4.00E-07	1.41E-08	5.06E-08	6.47E-08	7.60E-09	2.35E-08	3.11E-08
1113	437899.49	3762911.84	9.12E-08	3.11E-07	4.02E-07	1.42E-08	5.08E-08	6.50E-08	7.64E-09	2.36E-08	3.12E-08
1114	437896.74	3762920.88	9.13E-08	3.11E-07	4.03E-07	1.42E-08	5.09E-08	6.51E-08	7.64E-09	2.36E-08	3.12E-08
1115	437872.07	3763002.28	7.93E-08	2.70E-07	3.50E-07	1.23E-08	4.42E-08	5.65E-08	6.63E-09	2.05E-08	2.71E-08
1116	437869.32	3763011.32	7.67E-08	2.61E-07	3.38E-07	1.19E-08	4.27E-08	5.46E-08	6.42E-09	1.98E-08	2.62E-08
1117	437866.58	3763020.37	7.39E-08	2.52E-07	3.26E-07	1.15E-08	4.11E-08	5.26E-08	6.18E-09	1.91E-08	2.53E-08
1118	437915.95	3762847.76	8.34E-08	2.85E-07	3.68E-07	1.30E-08	4.65E-08	5.94E-08	6.98E-09	2.16E-08	2.85E-08
1119	437915.97	3762837.96	8.22E-08	2.80E-07	3.62E-07	1.28E-08	4.58E-08	5.85E-08	6.88E-09	2.12E-08	2.81E-08
1120	437915.98	3762828.15	8.07E-08	2.75E-07	3.56E-07	1.25E-08	4.49E-08	5.75E-08	6.75E-09	2.08E-08	2.76E-08
1121	437916	3762818.34	7.9E-08	2.69E-07	3.48E-07	1.23E-08	4.40E-08	5.63E-08	6.61E-09	2.04E-08	2.70E-08
1122	437916.01	3762808.53	7.71E-08	2.63E-07	3.40E-07	1.20E-08	4.29E-08	5.49E-08	6.45E-09	1.99E-08	2.64E-08
1123	437916.03	3762798.72	7.51E-08	2.56E-07	3.31E-07	1.17E-08	4.18E-08	5.35E-08	6.29E-09	1.94E-08	2.57E-08
1124	437916.04	3762788.91	7.3E-08	2.49E-07	3.22E-07	1.13E-08	4.06E-08	5.20E-08	6.11E-09	1.89E-08	2.50E-08
1125	437916.05	3762779.1	7.07E-08	2.41E-07	3.12E-07	1.10E-08	3.94E-08	5.04E-08	5.92E-09	1.83E-08	2.42E-08
1126	437916.07	3762769.29	6.83E-08	2.33E-07	3.01E-07	1.06E-08	3.80E-08	4.86E-08	5.72E-09	1.76E-08	2.34E-08
1127	437916.08	3762759.48	6.58E-08	2.24E-07	2.90E-07	1.02E-08	3.67E-08	4.69E-08	5.51E-09	1.70E-08	2.25E-08
1128	437916.1	3762749.67	6.33E-08	2.16E-07	2.79E-07	9.83E-09	3.53E-08	4.51E-08	5.30E-09	1.64E-08	2.17E-08
1129	437916.11	3762739.86	6.07E-08	2.07E-07	2.68E-07	9.44E-09	3.38E-08	4.33E-08	5.08E-09	1.57E-08	2.08E-08
1130	437916.13	3762730.05	5.82E-08	1.98E-07	2.57E-07	9.04E-09	3.24E-08	4.15E-08	4.87E-09	1.50E-08	1.99E-08
1131	437916.14	3762720.24	5.57E-08	1.90E-07	2.45E-07	8.65E-09	3.10E-08	3.97E-08	4.66E-09	1.44E-08	1.90E-08
1132	437934.57	3762895.1	7.84E-08	2.67E-07	3.46E-07	1.22E-08	4.37E-08	5.58E-08	6.56E-09	2.03E-08	2.68E-08
1133	437931.73	3762904.48	7.91E-08	2.70E-07	3.49E-07	1.23E-08	4.41E-08	5.64E-08	6.62E-09	2.04E-08	2.71E-08
1134	437928.89	3762913.85	7.97E-08	2.72E-07	3.52E-07	1.24E-08	4.44E-08	5.68E-08	6.67E-09	2.06E-08	2.73E-08
1135	437926.05	3762923.22	8.01E-08	2.73E-07	3.53E-07	1.24E-08	4.46E-08	5.70E-08	6.70E-09	2.07E-08	2.74E-08
1136	437914.68	3762960.71	7.88E-08	2.69E-07	3.48E-07	1.23E-08	4.39E-08	5.62E-08	6.60E-09	2.04E-08	2.70E-08
1137	437911.84	3762970.08	7.79E-08	2.66E-07	3.44E-07	1.21E-08	4.34E-08	5.55E-08	6.52E-09	2.01E-08	2.67E-08
1138	437909	3762979.45	7.67E-08	2.61E-07	3.38E-07	1.19E-08	4.27E-08	5.46E-08	6.42E-09	1.98E-08	2.62E-08
1139	437906.16	3762988.82	7.52E-08	2.56E-07	3.32E-07	1.17E-08	4.19E-08	5.36E-08	6.30E-09	1.94E-08	2.57E-08
1140	437903.32	3762998.19	7.36E-08	2.51E-07	3.25E-07	1.14E-08	4.10E-08	5.25E-08	6.16E-09	1.90E-08	2.52E-08
1141	437900.48	3763007.56	7.18E-08	2.45E-07	3.17E-07	1.12E-08	4.00E-08	5.12E-08	6.01E-09	1.86E-08	2.46E-08
1142	437889.11	3763045.05	6.25E-08	2.13E-07	2.75E-07	9.71E-09	3.48E-08	4.45E-08	5.23E-09	1.61E-08	2.14E-08
1143	437886.27	3763054.42	5.98E-08	2.04E-07	2.64E-07	9.29E-09	3.33E-08	4.26E-08	5.00E-09	1.54E-08	2.04E-08
1144	437883.43	3763063.79	5.69E-08	1.94E-07	2.51E-07	8.84E-09	3.17E-08	4.05E-08	4.76E-09	1.47E-08	1.95E-08
1145	437945.95	3762847.81	7.23E-08	2.47E-07	3.19E-07	1.12E-08	4.03E-08	5.15E-08	6.05E-09	1.87E-08	2.47E-08
1146	437945.97	3762838	7.12E-08	2.43E-07	3.14E-07	1.11E-08	3.96E-08	5.07E-08	5.96E-09	1.84E-08	2.43E-08
1147	437945.98	3762828.19	6.99E-08	2.38E-07	3.08E-07	1.09E-08	3.89E-08	4.98E-08	5.85E-09	1.81E-08	2.39E-08
1148	437946	3762818.38	6.84E-08	2.33E-07	3.02E-07	1.06E-08	3.81E-08	4.87E-08	5.73E-09	1.77E-08	2.34E-08
1149	437946.01	3762808.57	6.68E-08	2.28E-07	2.95E-07	1.04E-08	3.72E-08	4.76E-08	5.59E-09	1.73E-08	2.29E-08
1150	437946.03	3762798.76	6.51E-08	2.22E-07	2.87E-07	1.01E-08	3.63E-08	4.64E-08	5.45E-09	1.68E-08	2.23E-08
1151	437946.04	3762788.95	6.33E-08	2.16E-07	2.79E-07	9.84E-09	3.53E-08	4.51E-08	5.30E-09	1.64E-08	2.17E-08
1152	437946.05	3762779.14	6.15E-08	2.10E-07	2.71E-07	9.55E-09	3.42E-08	4.38E-08	5.14E-09	1.59E-08	2.10E-08
1153	437946.07	3762769.33	5.95E-08	2.03E-07	2.62E-07	9.24E-09	3.31E-08	4.24E-08	4.98E-09	1.54E-08	2.03E-08
1154	437946.08	3762759.53	5.74E-08	1.96E-07	2.53E-07	8.93E-09	3.20E-08	4.09E-08	4.81E-09	1.48E-08	1.97E-08
1155	437946.1	3762749.72	5.54E-08	1.89E-07	2.44E-07	8.61E-09	3.09E-08	3.95E-08	4.64E-09	1.43E-08	1.89E-08

1156	437946.11	3762739.91	5.33E-08	1.82E-07	2.35E-07	8.28E-09	2.97E-08	3.80E-08	4.46E-09	1.38E-08	1.82E-08
1157	437946.13	3762730.1	5.12E-08	1.75E-07	2.26E-07	7.96E-09	2.85E-08	3.65E-08	4.29E-09	1.32E-08	1.75E-08
1158	437946.14	3762720.29	4.92E-08	1.68E-07	2.17E-07	7.64E-09	2.74E-08	3.50E-08	4.11E-09	1.27E-08	1.68E-08
1159	437944.97	3762959.8	7.06E-08	2.41E-07	3.11E-07	1.10E-08	3.93E-08	5.03E-08	5.91E-09	1.82E-08	2.42E-08
1160	437942.16	3762969.08	7.02E-08	2.39E-07	3.09E-07	1.09E-08	3.91E-08	5.00E-08	5.87E-09	1.81E-08	2.40E-08
1161	437939.34	3762978.37	6.95E-08	2.37E-07	3.07E-07	1.08E-08	3.87E-08	4.95E-08	5.82E-09	1.80E-08	2.38E-08
1162	437936.53	3762987.65	6.86E-08	2.34E-07	3.03E-07	1.07E-08	3.82E-08	4.89E-08	5.75E-09	1.77E-08	2.35E-08
1163	437933.71	3762996.94	6.76E-08	2.30E-07	2.98E-07	1.05E-08	3.76E-08	4.81E-08	5.65E-09	1.75E-08	2.31E-08
1164	437930.89	3763006.22	6.63E-08	2.26E-07	2.92E-07	1.03E-08	3.69E-08	4.72E-08	5.55E-09	1.71E-08	2.27E-08
1165	437919.63	3763043.36	5.93E-08	2.02E-07	2.61E-07	9.21E-09	3.30E-08	4.22E-08	4.96E-09	1.53E-08	2.03E-08
1166	437916.82	3763052.65	5.72E-08	1.95E-07	2.52E-07	8.88E-09	3.18E-08	4.07E-08	4.78E-09	1.48E-08	1.96E-08
1167	437914	3763061.93	5.49E-08	1.87E-07	2.42E-07	8.53E-09	3.06E-08	3.91E-08	4.60E-09	1.42E-08	1.88E-08
1168	437911.19	3763071.22	5.26E-08	1.79E-07	2.32E-07	8.17E-09	2.93E-08	3.75E-08	4.40E-09	1.36E-08	1.80E-08
1169	437908.37	3763080.5	5.02E-08	1.71E-07	2.21E-07	7.80E-09	2.80E-08	3.58E-08	4.20E-09	1.30E-08	1.72E-08
1170	437991.97	3762903.76	6.13E-08	2.09E-07	2.70E-07	9.52E-09	3.41E-08	4.37E-08	5.13E-09	1.58E-08	2.10E-08
1171	437989.18	3762912.97	6.21E-08	2.12E-07	2.74E-07	9.64E-09	3.46E-08	4.42E-08	5.20E-09	1.60E-08	2.12E-08
1172	437986.39	3762922.19	6.27E-08	2.14E-07	2.76E-07	9.74E-09	3.49E-08	4.46E-08	5.24E-09	1.62E-08	2.14E-08
1173	437983.6	3762931.4	6.31E-08	2.15E-07	2.78E-07	9.80E-09	3.51E-08	4.49E-08	5.28E-09	1.63E-08	2.16E-08
1174	437980.8	3762940.61	6.34E-08	2.16E-07	2.80E-07	9.85E-09	3.53E-08	4.52E-08	5.31E-09	1.64E-08	2.17E-08
1175	437978.01	3762949.82	6.35E-08	2.17E-07	2.80E-07	9.87E-09	3.54E-08	4.53E-08	5.32E-09	1.64E-08	2.17E-08
1176	437975.22	3762959.03	6.35E-08	2.17E-07	2.80E-07	9.87E-09	3.54E-08	4.53E-08	5.32E-09	1.64E-08	2.17E-08
1177	437950.08	3763041.93	5.56E-08	1.90E-07	2.45E-07	8.64E-09	3.10E-08	3.96E-08	4.65E-09	1.44E-08	1.90E-08
1178	437947.29	3763051.15	5.39E-08	1.84E-07	2.38E-07	8.38E-09	3.00E-08	3.84E-08	4.52E-09	1.39E-08	1.85E-08
1179	437944.49	3763060.36	5.22E-08	1.78E-07	2.30E-07	8.11E-09	2.91E-08	3.72E-08	4.37E-09	1.35E-08	1.79E-08
1180	437941.7	3763069.57	5.04E-08	1.72E-07	2.22E-07	7.82E-09	2.81E-08	3.59E-08	4.22E-09	1.30E-08	1.72E-08
1181	437938.91	3763078.78	4.85E-08	1.65E-07	2.14E-07	7.53E-09	2.70E-08	3.45E-08	4.06E-09	1.25E-08	1.66E-08
1182	437936.12	3763087.99	4.65E-08	1.59E-07	2.05E-07	7.22E-09	2.59E-08	3.31E-08	3.89E-09	1.20E-08	1.59E-08
1183	437933.32	3763097.2	4.45E-08	1.52E-07	1.96E-07	6.91E-09	2.48E-08	3.17E-08	3.72E-09	1.15E-08	1.52E-08
1184	438005.97	3762838.09	5.44E-08	1.86E-07	2.40E-07	8.46E-09	3.03E-08	3.88E-08	4.56E-09	1.41E-08	1.86E-08
1185	438005.98	3762828.28	5.36E-08	1.83E-07	2.36E-07	8.33E-09	2.99E-08	3.82E-08	4.49E-09	1.39E-08	1.83E-08
1186	438006	3762818.47	5.27E-08	1.80E-07	2.32E-07	8.18E-09	2.93E-08	3.75E-08	4.41E-09	1.36E-08	1.80E-08
1187	438006.01	3762808.66	5.15E-08	1.76E-07	2.27E-07	8.00E-09	2.87E-08	3.67E-08	4.31E-09	1.33E-08	1.76E-08
1188	438006.03	3762798.85	5.03E-08	1.72E-07	2.22E-07	7.82E-09	2.80E-08	3.58E-08	4.21E-09	1.30E-08	1.72E-08
1189	438006.04	3762789.04	4.9E-08	1.67E-07	2.16E-07	7.62E-09	2.73E-08	3.49E-08	4.10E-09	1.27E-08	1.68E-08
1190	438006.05	3762779.23	4.77E-08	1.63E-07	2.10E-07	7.41E-09	2.66E-08	3.40E-08	3.99E-09	1.23E-08	1.63E-08
1191	438006.07	3762769.42	4.63E-08	1.58E-07	2.04E-07	7.20E-09	2.58E-08	3.30E-08	3.88E-09	1.20E-08	1.58E-08
1192	438006.08	3762759.61	4.49E-08	1.53E-07	1.98E-07	6.97E-09	2.50E-08	3.20E-08	3.76E-09	1.16E-08	1.54E-08
1193	438006.1	3762749.8	4.34E-08	1.48E-07	1.92E-07	6.75E-09	2.42E-08	3.09E-08	3.64E-09	1.12E-08	1.49E-08
1194	438006.11	3762739.99	4.2E-08	1.43E-07	1.85E-07	6.53E-09	2.34E-08	2.99E-08	3.52E-09	1.09E-08	1.44E-08
1195	438006.13	3762730.18	4.06E-08	1.38E-07	1.79E-07	6.30E-09	2.26E-08	2.89E-08	3.39E-09	1.05E-08	1.39E-08
1196	438006.14	3762720.38	3.91E-08	1.33E-07	1.72E-07	6.08E-09	2.18E-08	2.79E-08	3.27E-09	1.01E-08	1.34E-08
1197	438022.07	3762903.49	5.46E-08	1.86E-07	2.41E-07	8.49E-09	3.04E-08	3.89E-08	4.57E-09	1.41E-08	1.87E-08
1198	438019.3	3762912.64	5.54E-08	1.89E-07	2.44E-07	8.61E-09	3.09E-08	3.95E-08	4.64E-09	1.43E-08	1.90E-08
1199	438016.52	3762921.78	5.61E-08	1.91E-07	2.47E-07	8.71E-09	3.12E-08	4.00E-08	4.69E-09	1.45E-08	1.92E-08
1200	438013.75	3762930.93	5.66E-08	1.93E-07	2.50E-07	8.80E-09	3.15E-08	4.03E-08	4.74E-09	1.46E-08	1.94E-08
1201	438010.98	3762940.08	5.7E-08	1.94E-07	2.51E-07	8.85E-09	3.17E-08	4.06E-08	4.77E-09	1.47E-08	1.95E-08
1202	438008.2	3762949.23	5.72E-08	1.95E-07	2.52E-07	8.89E-09	3.19E-08	4.08E-08	4.79E-09	1.48E-08	1.96E-08
1203	438005.43	3762958.38	5.73E-08	1.95E-07	2.53E-07	8.90E-09	3.19E-08	4.08E-08	4.80E-09	1.48E-08	1.96E-08
1204	438002.66	3762967.52	5.73E-08	1.95E-07	2.53E-07	8.90E-09	3.19E-08	4.08E-08	4.80E-09	1.48E-08	1.96E-08
1205	437999.88	3762976.67	5.72E-08	1.95E-07	2.52E-07	8.89E-09	3.19E-08	4.07E-08	4.79E-09	1.48E-08	1.96E-08
1206	437997.11	3762985.82	5.69E-08	1.94E-07	2.51E-07	8.84E-09	3.17E-08	4.06E-08	4.76E-09	1.47E-08	1.95E-08
1207	437994.33	3762994.97	5.65E-08	1.93E-07	2.49E-07	8.78E-09	3.15E-08	4.02E-08	4.73E-09	1.46E-08	1.93E-08
1208	437991.56	3763004.12	5.59E-08	1.91E-07	2.46E-07	8.68E-09	3.11E-08	3.98E-08	4.68E-09	1.44E-08	1.91E-08
1209	437988.79	3763013.26	5.52E-08	1.88E-07	2.43E-07	8.57E-09	3.07E-08	3.93E-08	4.62E-09	1.43E-08	1.89E-08
1210	437986.01	3763022.41	5.42E-08	1.85E-07	2.39E-07	8.43E-09	3.02E-08	3.86E-08	4.54E-09	1.40E-08	1.86E-08
1211	437983.24	3763031.56	5.31E-08	1.81E-07	2.34E-07	8.25E-09	2.96E-08	3.78E-08	4.44E-09	1.37E-08	1.82E-08
1212	437980.47	3763040.71	5.18E-08	1.77E-07	2.29E-07	8.05E-09	2.89E-08	3.69E-08	4.34E-09	1.34E-08	1.77E-08
1213	437977.69	3763049.85	5.05E-08	1.72E-07	2.23E-07	7.84E-09	2.81E-08	3.60E-08	4.23E-09	1.30E-08	1.73E-08
1214	437974.92	3763059	4.92E-08	1.68E-07	2.17E-07	7.64E-09	2.74E-08	3.50E-08	4.12E-09	1.27E-08	1.68E-08
1215	438035.97	3762838.13	4.85E-08	1.65E-07	2.14E-07	7.53E-09	2.70E-08	3.45E-08	4.06E-09	1.25E-08	1.66E-08
1216	438035.98	3762828.32	4.77E-08	1.63E-07	2.10E-07	7.41E-09	2.66E-08	3.40E-08	3.99E-09	1.23E-08	1.63E-08

1217	438036	3762818.51	4.67E-08	1.59E-07	2.06E-07	7.26E-09	2.60E-08	3.33E-08	3.91E-09	1.21E-08	1.60E-08
1218	438036.01	3762808.7	4.57E-08	1.56E-07	2.02E-07	7.11E-09	2.55E-08	3.26E-08	3.83E-09	1.18E-08	1.56E-08
1219	438036.03	3762798.89	4.47E-08	1.52E-07	1.97E-07	6.94E-09	2.49E-08	3.18E-08	3.74E-09	1.15E-08	1.53E-08
1220	438036.04	3762789.08	4.36E-08	1.49E-07	1.92E-07	6.77E-09	2.43E-08	3.11E-08	3.65E-09	1.13E-08	1.49E-08
1221	438036.05	3762779.27	4.25E-08	1.45E-07	1.87E-07	6.60E-09	2.37E-08	3.03E-08	3.55E-09	1.10E-08	1.45E-08
1222	438036.07	3762769.47	4.13E-08	1.41E-07	1.82E-07	6.42E-09	2.30E-08	2.94E-08	3.46E-09	1.07E-08	1.41E-08
1223	438036.08	3762759.66	4.01E-08	1.37E-07	1.77E-07	6.23E-09	2.23E-08	2.86E-08	3.36E-09	1.04E-08	1.37E-08
1224	438036.1	3762749.85	3.89E-08	1.33E-07	1.71E-07	6.04E-09	2.17E-08	2.77E-08	3.25E-09	1.00E-08	1.33E-08
1225	438036.11	3762740.04	3.76E-08	1.28E-07	1.66E-07	5.85E-09	2.10E-08	2.68E-08	3.15E-09	9.73E-09	1.29E-08
1226	438036.13	3762730.23	3.64E-08	1.24E-07	1.61E-07	5.66E-09	2.03E-08	2.59E-08	3.05E-09	9.41E-09	1.25E-08
1227	438036.14	3762720.42	3.52E-08	1.20E-07	1.55E-07	5.47E-09	1.96E-08	2.51E-08	2.95E-09	9.09E-09	1.20E-08
1228	438052.15	3762903.26	4.9E-08	1.67E-07	2.16E-07	7.61E-09	2.73E-08	3.49E-08	4.10E-09	1.27E-08	1.68E-08
1229	438049.4	3762912.35	4.97E-08	1.69E-07	2.19E-07	7.72E-09	2.77E-08	3.54E-08	4.16E-09	1.28E-08	1.70E-08
1230	438046.64	3762921.44	5.03E-08	1.71E-07	2.22E-07	7.81E-09	2.80E-08	3.58E-08	4.21E-09	1.30E-08	1.72E-08
1231	438035.61	3762957.81	5.17E-08	1.76E-07	2.28E-07	8.04E-09	2.88E-08	3.68E-08	4.33E-09	1.34E-08	1.77E-08
1232	438032.86	3762966.9	5.18E-08	1.77E-07	2.29E-07	8.05E-09	2.89E-08	3.69E-08	4.34E-09	1.34E-08	1.77E-08
1233	438030.1	3762976	5.18E-08	1.77E-07	2.29E-07	8.05E-09	2.89E-08	3.69E-08	4.34E-09	1.34E-08	1.77E-08
1234	438027.34	3762985.09	5.17E-08	1.76E-07	2.28E-07	8.04E-09	2.88E-08	3.68E-08	4.33E-09	1.34E-08	1.77E-08
1235	438024.59	3762994.18	5.15E-08	1.76E-07	2.27E-07	8.00E-09	2.87E-08	3.67E-08	4.31E-09	1.33E-08	1.76E-08
1236	438021.83	3763003.27	5.11E-08	1.74E-07	2.25E-07	7.94E-09	2.85E-08	3.64E-08	4.28E-09	1.32E-08	1.75E-08
1237	438019.07	3763012.37	5.06E-08	1.73E-07	2.23E-07	7.86E-09	2.82E-08	3.60E-08	4.24E-09	1.31E-08	1.73E-08
1238	438016.32	3763021.46	5E-08	1.70E-07	2.20E-07	7.77E-09	2.78E-08	3.56E-08	4.18E-09	1.29E-08	1.71E-08
1239	438013.56	3763030.55	4.91E-08	1.67E-07	2.17E-07	7.63E-09	2.73E-08	3.50E-08	4.11E-09	1.27E-08	1.68E-08
1240	438010.8	3763039.64	4.81E-08	1.64E-07	2.12E-07	7.47E-09	2.68E-08	3.43E-08	4.03E-09	1.24E-08	1.65E-08
1241	438008.04	3763048.74	4.72E-08	1.61E-07	2.08E-07	7.33E-09	2.63E-08	3.36E-08	3.95E-09	1.22E-08	1.61E-08
1242	438005.29	3763057.83	4.62E-08	1.57E-07	2.04E-07	7.17E-09	2.57E-08	3.29E-08	3.86E-09	1.19E-08	1.58E-08
1243	438002.53	3763066.92	4.51E-08	1.54E-07	1.99E-07	7.00E-09	2.51E-08	3.21E-08	3.77E-09	1.16E-08	1.54E-08
1244	437999.77	3763076.01	4.39E-08	1.50E-07	1.94E-07	6.82E-09	2.45E-08	3.13E-08	3.67E-09	1.13E-08	1.50E-08
1245	437997.02	3763085.11	4.27E-08	1.46E-07	1.88E-07	6.63E-09	2.38E-08	3.04E-08	3.57E-09	1.10E-08	1.46E-08
1246	437994.26	3763094.2	4.15E-08	1.41E-07	1.83E-07	6.44E-09	2.31E-08	2.95E-08	3.47E-09	1.07E-08	1.42E-08
1247	437991.5	3763103.29	4.01E-08	1.37E-07	1.77E-07	6.24E-09	2.24E-08	2.86E-08	3.36E-09	1.04E-08	1.37E-08
1248	437988.75	3763112.38	3.88E-08	1.32E-07	1.71E-07	6.03E-09	2.16E-08	2.76E-08	3.25E-09	1.00E-08	1.33E-08
1249	437985.99	3763121.48	3.74E-08	1.28E-07	1.65E-07	5.81E-09	2.08E-08	2.66E-08	3.13E-09	9.66E-09	1.28E-08
1250	437983.23	3763130.57	3.6E-08	1.23E-07	1.59E-07	5.59E-09	2.00E-08	2.56E-08	3.01E-09	9.29E-09	1.23E-08
1251	438065.97	3762838.17	4.33E-08	1.47E-07	1.91E-07	6.72E-09	2.41E-08	3.08E-08	3.62E-09	1.12E-08	1.48E-08
1252	438065.98	3762828.36	4.25E-08	1.45E-07	1.88E-07	6.61E-09	2.37E-08	3.03E-08	3.56E-09	1.10E-08	1.46E-08
1253	438066	3762818.56	4.17E-08	1.42E-07	1.84E-07	6.48E-09	2.32E-08	2.97E-08	3.49E-09	1.08E-08	1.43E-08
1254	438066.01	3762808.75	4.09E-08	1.39E-07	1.80E-07	6.35E-09	2.28E-08	2.91E-08	3.42E-09	1.06E-08	1.40E-08
1255	438066.03	3762798.94	4E-08	1.36E-07	1.76E-07	6.21E-09	2.23E-08	2.85E-08	3.35E-09	1.03E-08	1.37E-08
1256	438066.04	3762789.13	3.9E-08	1.33E-07	1.72E-07	6.06E-09	2.17E-08	2.78E-08	3.27E-09	1.01E-08	1.34E-08
1257	438066.05	3762779.32	3.81E-08	1.30E-07	1.68E-07	5.91E-09	2.12E-08	2.71E-08	3.19E-09	9.83E-09	1.30E-08
1258	438066.07	3762769.51	3.71E-08	1.26E-07	1.63E-07	5.76E-09	2.06E-08	2.64E-08	3.10E-09	9.57E-09	1.27E-08
1259	438066.08	3762759.7	3.6E-08	1.23E-07	1.59E-07	5.60E-09	2.01E-08	2.57E-08	3.02E-09	9.31E-09	1.23E-08
1260	438066.1	3762749.89	3.5E-08	1.19E-07	1.54E-07	5.44E-09	1.95E-08	2.49E-08	2.93E-09	9.04E-09	1.20E-08
1261	438066.11	3762740.08	3.39E-08	1.16E-07	1.50E-07	5.27E-09	1.89E-08	2.42E-08	2.84E-09	8.77E-09	1.16E-08
1262	438066.13	3762730.27	3.29E-08	1.12E-07	1.45E-07	5.11E-09	1.83E-08	2.34E-08	2.75E-09	8.50E-09	1.12E-08
1263	438066.14	3762720.46	3.18E-08	1.09E-07	1.40E-07	4.95E-09	1.77E-08	2.27E-08	2.66E-09	8.22E-09	1.09E-08
1264	438081.8	3762904.47	4.41E-08	1.50E-07	1.95E-07	6.86E-09	2.46E-08	3.14E-08	3.69E-09	1.14E-08	1.51E-08
1265	438078.97	3762913.8	4.48E-08	1.53E-07	1.97E-07	6.96E-09	2.49E-08	3.19E-08	3.75E-09	1.16E-08	1.53E-08
1266	438076.14	3762923.12	4.53E-08	1.55E-07	2.00E-07	7.04E-09	2.52E-08	3.23E-08	3.79E-09	1.17E-08	1.55E-08
1267	438067.66	3762951.1	4.64E-08	1.58E-07	2.05E-07	7.21E-09	2.59E-08	3.31E-08	3.89E-09	1.20E-08	1.59E-08
1268	438064.83	3762960.43	4.66E-08	1.59E-07	2.06E-07	7.24E-09	2.60E-08	3.32E-08	3.90E-09	1.20E-08	1.60E-08
1269	438062.01	3762969.76	4.67E-08	1.59E-07	2.06E-07	7.26E-09	2.60E-08	3.33E-08	3.91E-09	1.21E-08	1.60E-08
1270	438059.18	3762979.08	4.68E-08	1.59E-07	2.06E-07	7.26E-09	2.60E-08	3.33E-08	3.91E-09	1.21E-08	1.60E-08
1271	438056.35	3762988.41	4.67E-08	1.59E-07	2.06E-07	7.26E-09	2.60E-08	3.33E-08	3.91E-09	1.21E-08	1.60E-08
1272	438053.52	3762997.73	4.66E-08	1.59E-07	2.05E-07	7.24E-09	2.59E-08	3.32E-08	3.90E-09	1.20E-08	1.59E-08
1273	438050.69	3763007.06	4.63E-08	1.58E-07	2.04E-07	7.20E-09	2.58E-08	3.30E-08	3.88E-09	1.20E-08	1.58E-08
1274	438039.38	3763044.37	4.42E-08	1.51E-07	1.95E-07	6.88E-09	2.47E-08	3.15E-08	3.70E-09	1.14E-08	1.51E-08
1275	438036.55	3763053.69	4.35E-08	1.48E-07	1.92E-07	6.75E-09	2.42E-08	3.10E-08	3.64E-09	1.12E-08	1.49E-08
1276	438033.73	3763063.02	4.26E-08	1.45E-07	1.88E-07	6.63E-09	2.38E-08	3.04E-08	3.57E-09	1.10E-08	1.46E-08
1277	438030.9	3763072.35	4.17E-08	1.42E-07	1.84E-07	6.48E-09	2.32E-08	2.97E-08	3.49E-09	1.08E-08	1.43E-08

1278	438028.07	3763081.67	4.08E-08	1.39E-07	1.80E-07	6.33E-09	2.27E-08	2.90E-08	3.41E-09	1.05E-08	1.39E-08
1279	438025.24	3763091	3.98E-08	1.36E-07	1.75E-07	6.18E-09	2.22E-08	2.83E-08	3.33E-09	1.03E-08	1.36E-08
1280	438022.42	3763100.33	3.87E-08	1.32E-07	1.71E-07	6.01E-09	2.16E-08	2.76E-08	3.24E-09	1.00E-08	1.32E-08
1281	438019.59	3763109.65	3.76E-08	1.28E-07	1.66E-07	5.84E-09	2.09E-08	2.68E-08	3.15E-09	9.71E-09	1.29E-08
1282	438016.76	3763118.98	3.64E-08	1.24E-07	1.61E-07	5.66E-09	2.03E-08	2.59E-08	3.05E-09	9.41E-09	1.25E-08
1283	438013.93	3763128.31	3.52E-08	1.20E-07	1.55E-07	5.47E-09	1.96E-08	2.51E-08	2.95E-09	9.10E-09	1.20E-08
1284	438011.1	3763137.63	3.4E-08	1.16E-07	1.50E-07	5.28E-09	1.89E-08	2.42E-08	2.84E-09	8.78E-09	1.16E-08
1285	438008.28	3763146.96	3.27E-08	1.12E-07	1.44E-07	5.08E-09	1.82E-08	2.33E-08	2.74E-09	8.45E-09	1.12E-08
1286	438095.97	3762838.22	3.89E-08	1.32E-07	1.71E-07	6.04E-09	2.16E-08	2.77E-08	3.25E-09	1.00E-08	1.33E-08
1287	438095.98	3762828.41	3.82E-08	1.30E-07	1.68E-07	5.93E-09	2.13E-08	2.72E-08	3.20E-09	9.87E-09	1.31E-08
1288	438096	3762818.6	3.75E-08	1.28E-07	1.65E-07	5.82E-09	2.09E-08	2.67E-08	3.14E-09	9.68E-09	1.28E-08
1289	438096.01	3762808.79	3.67E-08	1.25E-07	1.62E-07	5.71E-09	2.05E-08	2.62E-08	3.08E-09	9.49E-09	1.26E-08
1290	438096.03	3762798.98	3.6E-08	1.23E-07	1.59E-07	5.59E-09	2.00E-08	2.56E-08	3.01E-09	9.29E-09	1.23E-08
1291	438096.04	3762789.17	3.51E-08	1.20E-07	1.55E-07	5.46E-09	1.96E-08	2.50E-08	2.94E-09	9.08E-09	1.20E-08
1292	438096.05	3762779.36	3.43E-08	1.17E-07	1.51E-07	5.33E-09	1.91E-08	2.44E-08	2.87E-09	8.86E-09	1.17E-08
1293	438096.07	3762769.55	3.34E-08	1.14E-07	1.47E-07	5.19E-09	1.86E-08	2.38E-08	2.80E-09	8.64E-09	1.14E-08
1294	438096.08	3762759.74	3.25E-08	1.11E-07	1.43E-07	5.06E-09	1.81E-08	2.32E-08	2.72E-09	8.41E-09	1.11E-08
1295	438096.1	3762749.93	3.16E-08	1.08E-07	1.40E-07	4.92E-09	1.76E-08	2.25E-08	2.65E-09	8.17E-09	1.08E-08
1296	438096.11	3762740.12	3.07E-08	1.05E-07	1.36E-07	4.78E-09	1.71E-08	2.19E-08	2.57E-09	7.94E-09	1.05E-08
1297	438096.13	3762730.32	2.98E-08	1.02E-07	1.32E-07	4.64E-09	1.66E-08	2.13E-08	2.50E-09	7.71E-09	1.02E-08
1298	438096.14	3762720.51	2.89E-08	9.86E-08	1.28E-07	4.50E-09	1.61E-08	2.06E-08	2.42E-09	7.47E-09	9.90E-09
1299	438111.89	3762904.21	3.98E-08	1.36E-07	1.75E-07	6.18E-09	2.21E-08	2.83E-08	3.33E-09	1.03E-08	1.36E-08
1300	438109.08	3762913.47	4.03E-08	1.38E-07	1.78E-07	6.27E-09	2.25E-08	2.87E-08	3.38E-09	1.04E-08	1.38E-08
1301	438106.27	3762922.74	4.09E-08	1.39E-07	1.80E-07	6.35E-09	2.28E-08	2.91E-08	3.42E-09	1.06E-08	1.40E-08
1302	438097.85	3762950.54	4.2E-08	1.43E-07	1.85E-07	6.53E-09	2.34E-08	3.00E-08	3.52E-09	1.09E-08	1.44E-08
1303	438095.04	3762959.8	4.23E-08	1.44E-07	1.86E-07	6.57E-09	2.36E-08	3.01E-08	3.54E-09	1.09E-08	1.45E-08
1304	438092.23	3762969.07	4.24E-08	1.45E-07	1.87E-07	6.59E-09	2.36E-08	3.02E-08	3.55E-09	1.10E-08	1.45E-08
1305	438089.42	3762978.33	4.25E-08	1.45E-07	1.87E-07	6.61E-09	2.37E-08	3.03E-08	3.56E-09	1.10E-08	1.45E-08
1306	438086.61	3762987.6	4.25E-08	1.45E-07	1.88E-07	6.61E-09	2.37E-08	3.03E-08	3.56E-09	1.10E-08	1.46E-08
1307	438083.8	3762996.86	4.25E-08	1.45E-07	1.87E-07	6.60E-09	2.37E-08	3.03E-08	3.56E-09	1.10E-08	1.45E-08
1308	438080.99	3763006.13	4.23E-08	1.44E-07	1.87E-07	6.58E-09	2.36E-08	3.02E-08	3.54E-09	1.09E-08	1.45E-08
1309	438078.18	3763015.4	4.21E-08	1.44E-07	1.86E-07	6.54E-09	2.35E-08	3.00E-08	3.53E-09	1.09E-08	1.44E-08
1310	438069.75	3763043.19	4.09E-08	1.40E-07	1.81E-07	6.36E-09	2.28E-08	2.92E-08	3.43E-09	1.06E-08	1.40E-08
1311	438066.94	3763052.46	4.06E-08	1.38E-07	1.79E-07	6.30E-09	2.26E-08	2.89E-08	3.40E-09	1.05E-08	1.39E-08
1312	438064.13	3763061.72	4E-08	1.36E-07	1.76E-07	6.22E-09	2.23E-08	2.85E-08	3.35E-09	1.03E-08	1.37E-08
1313	438061.32	3763070.99	3.92E-08	1.34E-07	1.73E-07	6.09E-09	2.18E-08	2.79E-08	3.28E-09	1.01E-08	1.34E-08
1314	438058.51	3763080.25	3.85E-08	1.31E-07	1.70E-07	5.98E-09	2.14E-08	2.74E-08	3.22E-09	9.95E-09	1.32E-08
1315	438055.71	3763089.52	3.77E-08	1.29E-07	1.66E-07	5.86E-09	2.10E-08	2.69E-08	3.16E-09	9.75E-09	1.29E-08
1316	438052.9	3763098.79	3.69E-08	1.26E-07	1.63E-07	5.73E-09	2.06E-08	2.63E-08	3.09E-09	9.53E-09	1.26E-08
1317	438125.97	3762838.26	3.5E-08	1.20E-07	1.55E-07	5.45E-09	1.95E-08	2.50E-08	2.93E-09	9.06E-09	1.20E-08
1318	438125.98	3762828.45	3.44E-08	1.17E-07	1.52E-07	5.35E-09	1.92E-08	2.45E-08	2.88E-09	8.90E-09	1.18E-08
1319	438126	3762818.64	3.38E-08	1.15E-07	1.49E-07	5.25E-09	1.88E-08	2.41E-08	2.83E-09	8.74E-09	1.16E-08
1320	438126.01	3762808.83	3.31E-08	1.13E-07	1.46E-07	5.15E-09	1.85E-08	2.36E-08	2.77E-09	8.56E-09	1.13E-08
1321	438126.03	3762799.02	3.25E-08	1.11E-07	1.43E-07	5.04E-09	1.81E-08	2.31E-08	2.72E-09	8.39E-09	1.11E-08
1322	438126.04	3762789.22	3.17E-08	1.08E-07	1.40E-07	4.93E-09	1.77E-08	2.26E-08	2.66E-09	8.20E-09	1.09E-08
1323	438126.05	3762779.41	3.1E-08	1.06E-07	1.37E-07	4.82E-09	1.73E-08	2.21E-08	2.60E-09	8.01E-09	1.06E-08
1324	438126.07	3762769.6	3.03E-08	1.03E-07	1.33E-07	4.70E-09	1.69E-08	2.16E-08	2.53E-09	7.82E-09	1.04E-08
1325	438126.08	3762759.79	2.95E-08	1.01E-07	1.30E-07	4.58E-09	1.64E-08	2.10E-08	2.47E-09	7.62E-09	1.01E-08
1326	438126.1	3762749.98	2.87E-08	9.79E-08	1.27E-07	4.46E-09	1.60E-08	2.05E-08	2.40E-09	7.42E-09	9.82E-09
1327	438126.11	3762740.17	2.79E-08	9.53E-08	1.23E-07	4.34E-09	1.56E-08	1.99E-08	2.34E-09	7.22E-09	9.56E-09
1328	438126.13	3762730.36	2.72E-08	9.26E-08	1.20E-07	4.22E-09	1.51E-08	1.93E-08	2.27E-09	7.02E-09	9.29E-09
1329	438126.14	3762720.55	2.64E-08	8.99E-08	1.16E-07	4.10E-09	1.47E-08	1.88E-08	2.21E-09	6.81E-09	9.02E-09
1330	438141.97	3762903.98	3.6E-08	1.23E-07	1.59E-07	5.59E-09	2.00E-08	2.56E-08	3.01E-09	9.29E-09	1.23E-08
1331	438139.18	3762913.19	3.65E-08	1.25E-07	1.61E-07	5.68E-09	2.04E-08	2.60E-08	3.06E-09	9.44E-09	1.25E-08
1332	438136.39	3762922.4	3.7E-08	1.26E-07	1.63E-07	5.76E-09	2.06E-08	2.64E-08	3.10E-09	9.57E-09	1.27E-08
1333	438116.84	3762986.88	3.9E-08	1.33E-07	1.72E-07	6.05E-09	2.17E-08	2.78E-08	3.26E-09	1.01E-08	1.33E-08
1334	438114.05	3762996.1	3.9E-08	1.33E-07	1.72E-07	6.06E-09	2.17E-08	2.78E-08	3.26E-09	1.01E-08	1.33E-08
1335	438111.25	3763005.31	3.9E-08	1.33E-07	1.72E-07	6.05E-09	2.17E-08	2.78E-08	3.26E-09	1.01E-08	1.33E-08
1336	438108.46	3763014.52	3.89E-08	1.33E-07	1.71E-07	6.04E-09	2.16E-08	2.77E-08	3.25E-09	1.00E-08	1.33E-08
1337	438100.08	3763042.15	3.82E-08	1.30E-07	1.68E-07	5.93E-09	2.13E-08	2.72E-08	3.19E-09	9.86E-09	1.31E-08
1338	438097.29	3763051.36	3.78E-08	1.29E-07	1.67E-07	5.87E-09	2.11E-08	2.69E-08	3.16E-09	9.77E-09	1.29E-08

1339	438094.49	3763060.58	3.74E-08	1.27E-07	1.65E-07	5.81E-09	2.08E-08	2.66E-08	3.13E-09	9.66E-09	1.28E-08
1340	438091.7	3763069.79	3.69E-08	1.26E-07	1.63E-07	5.73E-09	2.05E-08	2.63E-08	3.09E-09	9.53E-09	1.26E-08
1341	438088.91	3763079	3.63E-08	1.24E-07	1.60E-07	5.64E-09	2.02E-08	2.59E-08	3.04E-09	9.39E-09	1.24E-08
1342	438086.12	3763088.21	3.57E-08	1.22E-07	1.58E-07	5.55E-09	1.99E-08	2.54E-08	2.99E-09	9.23E-09	1.22E-08
1343	438083.32	3763097.42	3.51E-08	1.20E-07	1.55E-07	5.45E-09	1.95E-08	2.50E-08	2.93E-09	9.06E-09	1.20E-08
1344	438072.15	3763134.27	3.18E-08	1.09E-07	1.40E-07	4.95E-09	1.77E-08	2.27E-08	2.67E-09	8.23E-09	1.09E-08
1345	438069.36	3763143.48	3.09E-08	1.05E-07	1.36E-07	4.81E-09	1.72E-08	2.20E-08	2.59E-09	7.99E-09	1.06E-08
1346	438066.57	3763152.69	3E-08	1.02E-07	1.32E-07	4.66E-09	1.67E-08	2.14E-08	2.51E-09	7.75E-09	1.03E-08
1347	438063.77	3763161.9	2.91E-08	9.91E-08	1.28E-07	4.52E-09	1.62E-08	2.07E-08	2.43E-09	7.51E-09	9.94E-09
1348	438060.98	3763171.11	2.81E-08	9.58E-08	1.24E-07	4.37E-09	1.57E-08	2.00E-08	2.35E-09	7.26E-09	9.61E-09
1349	438058.19	3763180.32	2.72E-08	9.28E-08	1.20E-07	4.23E-09	1.52E-08	1.94E-08	2.28E-09	7.03E-09	9.31E-09
1350	438155.97	3762838.31	3.17E-08	1.08E-07	1.40E-07	4.92E-09	1.76E-08	2.26E-08	2.65E-09	8.18E-09	1.08E-08
1351	438155.98	3762828.5	3.11E-08	1.06E-07	1.37E-07	4.84E-09	1.73E-08	2.22E-08	2.61E-09	8.05E-09	1.07E-08
1352	438156	3762818.69	3.06E-08	1.04E-07	1.35E-07	4.75E-09	1.70E-08	2.18E-08	2.56E-09	7.90E-09	1.05E-08
1353	438156.01	3762808.88	3E-08	1.02E-07	1.32E-07	4.66E-09	1.67E-08	2.14E-08	2.51E-09	7.75E-09	1.03E-08
1354	438156.03	3762799.07	2.94E-08	1.00E-07	1.30E-07	4.57E-09	1.64E-08	2.09E-08	2.46E-09	7.59E-09	1.01E-08
1355	438156.04	3762789.26	2.88E-08	9.81E-08	1.27E-07	4.47E-09	1.60E-08	2.05E-08	2.41E-09	7.43E-09	9.84E-09
1356	438156.05	3762779.45	2.81E-08	9.59E-08	1.24E-07	4.37E-09	1.57E-08	2.00E-08	2.35E-09	7.27E-09	9.62E-09
1357	438156.07	3762769.64	2.75E-08	9.37E-08	1.21E-07	4.27E-09	1.53E-08	1.96E-08	2.30E-09	7.10E-09	9.40E-09
1358	438156.08	3762759.83	2.68E-08	9.14E-08	1.18E-07	4.16E-09	1.49E-08	1.91E-08	2.24E-09	6.93E-09	9.17E-09
1359	438156.1	3762750.02	2.61E-08	8.91E-08	1.15E-07	4.06E-09	1.46E-08	1.86E-08	2.19E-09	6.75E-09	8.94E-09
1360	438156.11	3762740.21	2.55E-08	8.69E-08	1.12E-07	3.96E-09	1.42E-08	1.82E-08	2.13E-09	6.59E-09	8.72E-09
1361	438156.13	3762730.4	2.48E-08	8.46E-08	1.09E-07	3.85E-09	1.38E-08	1.77E-08	2.08E-09	6.41E-09	8.48E-09
1362	438156.14	3762720.59	2.41E-08	8.22E-08	1.06E-07	3.75E-09	1.34E-08	1.72E-08	2.02E-09	6.23E-09	8.25E-09
1363	438181.83	3762904.52	3.18E-08	1.08E-07	1.40E-07	4.93E-09	1.77E-08	2.26E-08	2.66E-09	8.20E-09	1.09E-08
1364	438179.01	3762913.83	3.23E-08	1.10E-07	1.42E-07	5.01E-09	1.80E-08	2.30E-08	2.70E-09	8.34E-09	1.10E-08
1365	438176.18	3762923.14	3.27E-08	1.12E-07	1.44E-07	5.09E-09	1.82E-08	2.33E-08	2.74E-09	8.46E-09	1.12E-08
1366	438173.36	3762932.45	3.32E-08	1.13E-07	1.46E-07	5.15E-09	1.85E-08	2.36E-08	2.78E-09	8.57E-09	1.13E-08
1367	438170.54	3762941.76	3.36E-08	1.14E-07	1.48E-07	5.21E-09	1.87E-08	2.39E-08	2.81E-09	8.67E-09	1.15E-08
1368	438167.72	3762951.07	3.39E-08	1.16E-07	1.49E-07	5.27E-09	1.89E-08	2.42E-08	2.84E-09	8.76E-09	1.16E-08
1369	438164.89	3762960.37	3.42E-08	1.17E-07	1.51E-07	5.31E-09	1.91E-08	2.44E-08	2.86E-09	8.84E-09	1.17E-08
1370	438162.07	3762969.68	3.45E-08	1.17E-07	1.52E-07	5.35E-09	1.92E-08	2.45E-08	2.88E-09	8.90E-09	1.18E-08
1371	438159.25	3762978.99	3.47E-08	1.18E-07	1.53E-07	5.39E-09	1.93E-08	2.47E-08	2.90E-09	8.96E-09	1.19E-08
1372	438156.43	3762988.3	3.48E-08	1.19E-07	1.54E-07	5.41E-09	1.94E-08	2.48E-08	2.91E-09	9.00E-09	1.19E-08
1373	438153.6	3762997.61	3.49E-08	1.19E-07	1.54E-07	5.43E-09	1.95E-08	2.49E-08	2.92E-09	9.03E-09	1.20E-08
1374	438150.78	3763006.92	3.5E-08	1.19E-07	1.54E-07	5.44E-09	1.95E-08	2.49E-08	2.93E-09	9.04E-09	1.20E-08
1375	438147.96	3763016.22	3.5E-08	1.19E-07	1.54E-07	5.44E-09	1.95E-08	2.49E-08	2.93E-09	9.04E-09	1.20E-08
1376	438145.14	3763025.53	3.49E-08	1.19E-07	1.54E-07	5.43E-09	1.95E-08	2.49E-08	2.92E-09	9.03E-09	1.20E-08
1377	438142.31	3763034.84	3.48E-08	1.19E-07	1.54E-07	5.41E-09	1.94E-08	2.48E-08	2.92E-09	9.00E-09	1.19E-08
1378	438139.49	3763044.15	3.47E-08	1.18E-07	1.53E-07	5.39E-09	1.93E-08	2.47E-08	2.90E-09	8.96E-09	1.19E-08
1379	438111.27	3763137.23	2.98E-08	1.02E-07	1.31E-07	4.63E-09	1.66E-08	2.12E-08	2.49E-09	7.70E-09	1.02E-08
1380	438108.45	3763146.54	2.91E-08	9.91E-08	1.28E-07	4.51E-09	1.62E-08	2.07E-08	2.43E-09	7.51E-09	9.94E-09
1381	438105.62	3763155.85	2.84E-08	9.69E-08	1.25E-07	4.41E-09	1.58E-08	2.02E-08	2.38E-09	7.34E-09	9.72E-09
1382	438102.8	3763165.16	2.76E-08	9.41E-08	1.22E-07	4.29E-09	1.54E-08	1.97E-08	2.31E-09	7.13E-09	9.44E-09
1383	438099.98	3763174.47	2.68E-08	9.13E-08	1.18E-07	4.16E-09	1.49E-08	1.91E-08	2.24E-09	6.92E-09	9.16E-09
1384	438097.16	3763183.78	2.59E-08	8.84E-08	1.14E-07	4.03E-09	1.44E-08	1.85E-08	2.17E-09	6.70E-09	8.87E-09
1385	438094.34	3763193.08	2.5E-08	8.54E-08	1.10E-07	3.89E-09	1.40E-08	1.78E-08	2.10E-09	6.47E-09	8.57E-09
1386	438091.51	3763202.39	2.42E-08	8.24E-08	1.07E-07	3.75E-09	1.35E-08	1.72E-08	2.02E-09	6.24E-09	8.27E-09
1387	438195.97	3762838.36	2.78E-08	9.50E-08	1.23E-07	4.33E-09	1.55E-08	1.98E-08	2.33E-09	7.20E-09	9.53E-09
1388	438195.98	3762828.55	2.74E-08	9.34E-08	1.21E-07	4.26E-09	1.53E-08	1.95E-08	2.29E-09	7.08E-09	9.37E-09
1389	438196	3762818.74	2.69E-08	9.17E-08	1.19E-07	4.18E-09	1.50E-08	1.92E-08	2.25E-09	6.95E-09	9.20E-09
1390	438196.01	3762808.94	2.64E-08	9.00E-08	1.16E-07	4.10E-09	1.47E-08	1.88E-08	2.21E-09	6.82E-09	9.03E-09
1391	438196.03	3762799.13	2.59E-08	8.84E-08	1.14E-07	4.03E-09	1.44E-08	1.85E-08	2.17E-09	6.70E-09	8.86E-09
1392	438196.04	3762789.32	2.54E-08	8.66E-08	1.12E-07	3.95E-09	1.41E-08	1.81E-08	2.13E-09	6.56E-09	8.69E-09
1393	438196.05	3762779.51	2.49E-08	8.48E-08	1.10E-07	3.87E-09	1.39E-08	1.77E-08	2.08E-09	6.43E-09	8.51E-09
1394	438196.07	3762769.7	2.43E-08	8.29E-08	1.07E-07	3.78E-09	1.35E-08	1.73E-08	2.04E-09	6.28E-09	8.32E-09
1395	438196.08	3762759.89	2.38E-08	8.10E-08	1.05E-07	3.69E-09	1.32E-08	1.69E-08	1.99E-09	6.14E-09	8.13E-09
1396	438196.1	3762750.08	2.32E-08	7.91E-08	1.02E-07	3.60E-09	1.29E-08	1.65E-08	1.94E-09	5.99E-09	7.93E-09
1397	438196.11	3762740.27	2.26E-08	7.72E-08	9.98E-08	3.52E-09	1.26E-08	1.61E-08	1.89E-09	5.85E-09	7.74E-09
1398	438196.13	3762730.46	2.21E-08	7.53E-08	9.74E-08	3.43E-09	1.23E-08	1.57E-08	1.85E-09	5.71E-09	7.56E-09
1399	438196.14	3762720.65	2.15E-08	7.34E-08	9.50E-08	3.35E-09	1.20E-08	1.53E-08	1.80E-09	5.57E-09	7.37E-09

1400	438222.04	3762903.87	2.8E-08	9.55E-08	1.24E-07	4.35E-09	1.56E-08	2.00E-08	2.34E-09	7.24E-09	9.58E-09
1401	438219.26	3762913.04	2.85E-08	9.72E-08	1.26E-07	4.43E-09	1.59E-08	2.03E-08	2.39E-09	7.37E-09	9.75E-09
1402	438216.48	3762922.21	2.9E-08	9.88E-08	1.28E-07	4.50E-09	1.61E-08	2.06E-08	2.43E-09	7.49E-09	9.91E-09
1403	438213.7	3762931.37	2.94E-08	1.00E-07	1.30E-07	4.56E-09	1.64E-08	2.09E-08	2.46E-09	7.59E-09	1.00E-08
1404	438210.93	3762940.54	2.97E-08	1.01E-07	1.31E-07	4.62E-09	1.66E-08	2.12E-08	2.49E-09	7.68E-09	1.02E-08
1405	438208.15	3762949.71	3.01E-08	1.03E-07	1.33E-07	4.67E-09	1.67E-08	2.14E-08	2.52E-09	7.77E-09	1.03E-08
1406	438205.37	3762958.87	3.04E-08	1.04E-07	1.34E-07	4.72E-09	1.69E-08	2.16E-08	2.54E-09	7.85E-09	1.04E-08
1407	438202.59	3762968.04	3.06E-08	1.04E-07	1.35E-07	4.76E-09	1.71E-08	2.18E-08	2.56E-09	7.91E-09	1.05E-08
1408	438199.81	3762977.2	3.09E-08	1.05E-07	1.36E-07	4.80E-09	1.72E-08	2.20E-08	2.58E-09	7.97E-09	1.06E-08
1409	438197.03	3762986.37	3.11E-08	1.06E-07	1.37E-07	4.83E-09	1.73E-08	2.21E-08	2.60E-09	8.02E-09	1.06E-08
1410	438194.25	3762995.54	3.12E-08	1.06E-07	1.38E-07	4.85E-09	1.74E-08	2.22E-08	2.61E-09	8.06E-09	1.07E-08
1411	438191.47	3763004.7	3.13E-08	1.07E-07	1.38E-07	4.87E-09	1.75E-08	2.23E-08	2.62E-09	8.09E-09	1.07E-08
1412	438188.69	3763013.87	3.14E-08	1.07E-07	1.38E-07	4.88E-09	1.75E-08	2.24E-08	2.63E-09	8.11E-09	1.07E-08
1413	438185.91	3763023.04	3.14E-08	1.07E-07	1.39E-07	4.88E-09	1.75E-08	2.24E-08	2.63E-09	8.12E-09	1.08E-08
1414	438183.13	3763032.2	3.14E-08	1.07E-07	1.39E-07	4.88E-09	1.75E-08	2.24E-08	2.63E-09	8.12E-09	1.08E-08
1415	438180.35	3763041.37	3.14E-08	1.07E-07	1.38E-07	4.87E-09	1.75E-08	2.24E-08	2.63E-09	8.11E-09	1.07E-08
1416	438177.57	3763050.54	3.13E-08	1.07E-07	1.38E-07	4.86E-09	1.74E-08	2.23E-08	2.62E-09	8.08E-09	1.07E-08
1417	438174.79	3763059.7	3.11E-08	1.06E-07	1.37E-07	4.84E-09	1.73E-08	2.22E-08	2.60E-09	8.04E-09	1.06E-08
1418	438172.01	3763068.87	3.09E-08	1.05E-07	1.36E-07	4.81E-09	1.72E-08	2.20E-08	2.59E-09	7.99E-09	1.06E-08
1419	438169.24	3763078.04	3.07E-08	1.05E-07	1.35E-07	4.77E-09	1.71E-08	2.19E-08	2.57E-09	7.93E-09	1.05E-08
1420	438166.46	3763087.2	3.04E-08	1.04E-07	1.34E-07	4.72E-09	1.69E-08	2.17E-08	2.54E-09	7.85E-09	1.04E-08
1421	438163.68	3763096.37	3.01E-08	1.02E-07	1.33E-07	4.67E-09	1.67E-08	2.14E-08	2.52E-09	7.76E-09	1.03E-08
1422	438160.9	3763105.54	2.97E-08	1.01E-07	1.31E-07	4.61E-09	1.65E-08	2.11E-08	2.48E-09	7.66E-09	1.01E-08
1423	438158.12	3763114.7	2.92E-08	9.96E-08	1.29E-07	4.54E-09	1.63E-08	2.08E-08	2.45E-09	7.55E-09	9.99E-09
1424	438155.34	3763123.87	2.87E-08	9.79E-08	1.27E-07	4.46E-09	1.60E-08	2.05E-08	2.40E-09	7.42E-09	9.82E-09
1425	438152.56	3763133.03	2.82E-08	9.60E-08	1.24E-07	4.37E-09	1.57E-08	2.01E-08	2.36E-09	7.27E-09	9.63E-09
1426	438149.78	3763142.2	2.76E-08	9.40E-08	1.22E-07	4.28E-09	1.54E-08	1.96E-08	2.31E-09	7.12E-09	9.43E-09
1427	438147	3763151.37	2.71E-08	9.25E-08	1.20E-07	4.21E-09	1.51E-08	1.93E-08	2.27E-09	7.01E-09	9.28E-09
1428	438144.22	3763160.53	2.65E-08	9.04E-08	1.17E-07	4.12E-09	1.48E-08	1.89E-08	2.22E-09	6.85E-09	9.07E-09
1429	438141.44	3763169.7	2.59E-08	8.82E-08	1.14E-07	4.02E-09	1.44E-08	1.84E-08	2.17E-09	6.68E-09	8.85E-09
1430	438138.66	3763178.87	2.52E-08	8.60E-08	1.11E-07	3.92E-09	1.41E-08	1.80E-08	2.11E-09	6.52E-09	8.63E-09
1431	438135.88	3763188.03	2.46E-08	8.37E-08	1.08E-07	3.82E-09	1.37E-08	1.75E-08	2.06E-09	6.34E-09	8.40E-09
1432	438133.1	3763197.2	2.39E-08	8.14E-08	1.05E-07	3.71E-09	1.33E-08	1.70E-08	2.00E-09	6.16E-09	8.16E-09
1433	438130.33	3763206.37	2.32E-08	7.90E-08	1.02E-07	3.60E-09	1.29E-08	1.65E-08	1.94E-09	5.98E-09	7.92E-09
1434	438127.55	3763215.53	2.25E-08	7.66E-08	9.90E-08	3.49E-09	1.25E-08	1.60E-08	1.88E-09	5.80E-09	7.68E-09
1435	438235.97	3762838.42	2.48E-08	8.44E-08	1.09E-07	3.85E-09	1.38E-08	1.76E-08	2.07E-09	6.40E-09	8.47E-09
1436	438235.98	3762828.61	2.44E-08	8.31E-08	1.07E-07	3.79E-09	1.36E-08	1.74E-08	2.04E-09	6.30E-09	8.34E-09
1437	438236	3762818.8	2.39E-08	8.17E-08	1.06E-07	3.72E-09	1.33E-08	1.71E-08	2.00E-09	6.19E-09	8.19E-09
1438	438236.01	3762808.99	2.35E-08	8.02E-08	1.04E-07	3.65E-09	1.31E-08	1.68E-08	1.97E-09	6.08E-09	8.05E-09
1439	438236.02	3762799.18	2.31E-08	7.87E-08	1.02E-07	3.59E-09	1.29E-08	1.64E-08	1.93E-09	5.96E-09	7.90E-09
1440	438236.04	3762789.38	2.26E-08	7.71E-08	9.98E-08	3.52E-09	1.26E-08	1.61E-08	1.89E-09	5.85E-09	7.74E-09
1441	438236.05	3762779.57	2.22E-08	7.56E-08	9.77E-08	3.44E-09	1.23E-08	1.58E-08	1.85E-09	5.73E-09	7.58E-09
1442	438236.07	3762769.76	2.17E-08	7.40E-08	9.56E-08	3.37E-09	1.21E-08	1.55E-08	1.82E-09	5.60E-09	7.42E-09
1443	438236.08	3762759.95	2.12E-08	7.23E-08	9.35E-08	3.30E-09	1.18E-08	1.51E-08	1.78E-09	5.48E-09	7.26E-09
1444	438236.1	3762750.14	2.07E-08	7.07E-08	9.14E-08	3.22E-09	1.15E-08	1.48E-08	1.73E-09	5.36E-09	7.09E-09
1445	438261.91	3762904.37	2.49E-08	8.49E-08	1.10E-07	3.87E-09	1.39E-08	1.77E-08	2.08E-09	6.43E-09	8.51E-09
1446	438259.1	3762913.62	2.53E-08	8.62E-08	1.12E-07	3.93E-09	1.41E-08	1.80E-08	2.12E-09	6.54E-09	8.65E-09
1447	438256.3	3762922.88	2.57E-08	8.76E-08	1.13E-07	3.99E-09	1.43E-08	1.83E-08	2.15E-09	6.64E-09	8.79E-09
1448	438253.49	3762932.13	2.61E-08	8.89E-08	1.15E-07	4.05E-09	1.45E-08	1.86E-08	2.18E-09	6.73E-09	8.92E-09
1449	438250.69	3762941.39	2.64E-08	9.00E-08	1.16E-07	4.10E-09	1.47E-08	1.88E-08	2.21E-09	6.82E-09	9.03E-09
1450	438247.88	3762950.64	2.67E-08	9.11E-08	1.18E-07	4.15E-09	1.49E-08	1.90E-08	2.24E-09	6.90E-09	9.14E-09
1451	438245.07	3762959.9	2.7E-08	9.21E-08	1.19E-07	4.20E-09	1.50E-08	1.92E-08	2.26E-09	6.98E-09	9.24E-09
1452	438242.27	3762969.15	2.73E-08	9.31E-08	1.20E-07	4.24E-09	1.52E-08	1.94E-08	2.28E-09	7.05E-09	9.34E-09
1453	438239.46	3762978.4	2.75E-08	9.39E-08	1.21E-07	4.28E-09	1.53E-08	1.96E-08	2.31E-09	7.12E-09	9.42E-09
1454	438236.66	3762987.66	2.78E-08	9.46E-08	1.22E-07	4.31E-09	1.55E-08	1.98E-08	2.32E-09	7.17E-09	9.49E-09
1455	438233.85	3762996.91	2.79E-08	9.53E-08	1.23E-07	4.34E-09	1.56E-08	1.99E-08	2.34E-09	7.22E-09	9.56E-09
1456	438231.04	3763006.17	2.81E-08	9.58E-08	1.24E-07	4.36E-09	1.56E-08	2.00E-08	2.35E-09	7.26E-09	9.61E-09
1457	438228.24	3763015.42	2.82E-08	9.62E-08	1.24E-07	4.38E-09	1.57E-08	2.01E-08	2.36E-09	7.29E-09	9.65E-09
1458	438225.43	3763024.68	2.83E-08	9.65E-08	1.25E-07	4.40E-09	1.58E-08	2.02E-08	2.37E-09	7.31E-09	9.68E-09
1459	438222.63	3763033.93	2.83E-08	9.67E-08	1.25E-07	4.40E-09	1.58E-08	2.02E-08	2.37E-09	7.32E-09	9.70E-09
1460	438219.82	3763043.18	2.84E-08	9.67E-08	1.25E-07	4.41E-09	1.58E-08	2.02E-08	2.37E-09	7.33E-09	9.70E-09

1461	438217.01	3763052.44	2.83E-08	9.66E-08	1.25E-07	4.40E-09	1.58E-08	2.02E-08	2.37E-09	7.32E-09	9.69E-09
1462	438214.21	3763061.69	2.83E-08	9.64E-08	1.25E-07	4.39E-09	1.57E-08	2.01E-08	2.37E-09	7.30E-09	9.67E-09
1463	438211.4	3763070.95	2.81E-08	9.60E-08	1.24E-07	4.37E-09	1.57E-08	2.01E-08	2.36E-09	7.27E-09	9.63E-09
1464	438208.6	3763080.2	2.8E-08	9.55E-08	1.23E-07	4.35E-09	1.56E-08	1.99E-08	2.34E-09	7.23E-09	9.58E-09
1465	438205.79	3763089.46	2.78E-08	9.48E-08	1.23E-07	4.32E-09	1.55E-08	1.98E-08	2.33E-09	7.18E-09	9.51E-09
1466	438202.98	3763098.71	2.75E-08	9.39E-08	1.21E-07	4.28E-09	1.53E-08	1.96E-08	2.31E-09	7.12E-09	9.42E-09
1467	438200.18	3763107.96	2.73E-08	9.30E-08	1.20E-07	4.24E-09	1.52E-08	1.94E-08	2.28E-09	7.04E-09	9.33E-09
1468	438197.37	3763117.22	2.69E-08	9.18E-08	1.19E-07	4.18E-09	1.50E-08	1.92E-08	2.25E-09	6.96E-09	9.21E-09
1469	438194.57	3763126.47	2.66E-08	9.05E-08	1.17E-07	4.13E-09	1.48E-08	1.89E-08	2.22E-09	6.86E-09	9.08E-09
1470	438191.76	3763135.73	2.61E-08	8.92E-08	1.15E-07	4.06E-09	1.46E-08	1.86E-08	2.19E-09	6.76E-09	8.94E-09
1471	438188.96	3763144.98	2.57E-08	8.77E-08	1.13E-07	3.99E-09	1.43E-08	1.83E-08	2.15E-09	6.64E-09	8.80E-09
1472	438186.15	3763154.24	2.52E-08	8.61E-08	1.11E-07	3.92E-09	1.41E-08	1.80E-08	2.11E-09	6.52E-09	8.64E-09
1473	438183.34	3763163.49	2.49E-08	8.48E-08	1.10E-07	3.86E-09	1.39E-08	1.77E-08	2.08E-09	6.42E-09	8.51E-09
1474	438180.54	3763172.74	2.43E-08	8.30E-08	1.07E-07	3.78E-09	1.36E-08	1.73E-08	2.04E-09	6.29E-09	8.33E-09
1475	438177.73	3763182	2.38E-08	8.12E-08	1.05E-07	3.70E-09	1.33E-08	1.70E-08	1.99E-09	6.15E-09	8.15E-09
1476	438174.93	3763191.25	2.33E-08	7.93E-08	1.03E-07	3.62E-09	1.30E-08	1.66E-08	1.95E-09	6.01E-09	7.96E-09
1477	438172.12	3763200.51	2.27E-08	7.74E-08	1.00E-07	3.53E-09	1.26E-08	1.62E-08	1.90E-09	5.87E-09	7.77E-09
1478	438169.31	3763209.76	2.21E-08	7.55E-08	9.76E-08	3.44E-09	1.23E-08	1.58E-08	1.85E-09	5.72E-09	7.57E-09
1479	438166.51	3763219.01	2.16E-08	7.35E-08	9.51E-08	3.35E-09	1.20E-08	1.54E-08	1.81E-09	5.57E-09	7.38E-09
1480	438163.7	3763228.27	2.1E-08	7.15E-08	9.25E-08	3.26E-09	1.17E-08	1.49E-08	1.76E-09	5.42E-09	7.18E-09
1481	438160.9	3763237.52	2.04E-08	6.95E-08	8.98E-08	3.17E-09	1.13E-08	1.45E-08	1.71E-09	5.26E-09	6.97E-09
1482	438158.09	3763246.78	1.98E-08	6.74E-08	8.71E-08	3.07E-09	1.10E-08	1.41E-08	1.65E-09	5.11E-09	6.76E-09
1483	438275.97	3762838.48	2.22E-08	7.56E-08	9.78E-08	3.44E-09	1.23E-08	1.58E-08	1.86E-09	5.73E-09	7.58E-09
1484	438275.98	3762828.67	2.19E-08	7.46E-08	9.64E-08	3.40E-09	1.22E-08	1.56E-08	1.83E-09	5.65E-09	7.48E-09
1485	438276	3762818.86	2.16E-08	7.35E-08	9.50E-08	3.35E-09	1.20E-08	1.54E-08	1.80E-09	5.57E-09	7.37E-09
1486	438276.01	3762809.05	2.12E-08	7.24E-08	9.36E-08	3.30E-09	1.18E-08	1.51E-08	1.78E-09	5.48E-09	7.26E-09
1487	438276.02	3762799.24	2.08E-08	7.11E-08	9.19E-08	3.24E-09	1.16E-08	1.48E-08	1.74E-09	5.38E-09	7.13E-09
1488	438276.04	3762789.43	2.05E-08	6.97E-08	9.02E-08	3.18E-09	1.14E-08	1.46E-08	1.71E-09	5.28E-09	7.00E-09
1489	438276.05	3762779.62	2.01E-08	6.84E-08	8.84E-08	3.12E-09	1.12E-08	1.43E-08	1.68E-09	5.18E-09	6.86E-09
1490	438276.07	3762769.81	1.96E-08	6.70E-08	8.67E-08	3.05E-09	1.09E-08	1.40E-08	1.64E-09	5.08E-09	6.72E-09
1491	438276.08	3762760.01	1.92E-08	6.56E-08	8.48E-08	2.99E-09	1.07E-08	1.37E-08	1.61E-09	4.97E-09	6.58E-09
1492	438276.1	3762750.2	1.88E-08	6.42E-08	8.30E-08	2.93E-09	1.05E-08	1.34E-08	1.58E-09	4.86E-09	6.44E-09
1493	438301.79	3762904.83	2.24E-08	7.65E-08	9.90E-08	3.49E-09	1.25E-08	1.60E-08	1.88E-09	5.80E-09	7.68E-09
1494	438298.96	3762914.16	2.28E-08	7.77E-08	1.01E-07	3.54E-09	1.27E-08	1.62E-08	1.91E-09	5.89E-09	7.80E-09
1495	438296.13	3762923.5	2.31E-08	7.89E-08	1.02E-07	3.59E-09	1.29E-08	1.65E-08	1.94E-09	5.98E-09	7.91E-09
1496	438293.3	3762932.83	2.34E-08	7.99E-08	1.03E-07	3.64E-09	1.31E-08	1.67E-08	1.96E-09	6.05E-09	8.02E-09
1497	438290.47	3762942.16	2.37E-08	8.08E-08	1.05E-07	3.68E-09	1.32E-08	1.69E-08	1.98E-09	6.12E-09	8.11E-09
1498	438287.64	3762951.5	2.4E-08	8.17E-08	1.06E-07	3.72E-09	1.33E-08	1.71E-08	2.00E-09	6.19E-09	8.19E-09
1499	438284.81	3762960.83	2.42E-08	8.25E-08	1.07E-07	3.76E-09	1.35E-08	1.72E-08	2.02E-09	6.25E-09	8.27E-09
1500	438281.98	3762970.17	2.44E-08	8.34E-08	1.08E-07	3.80E-09	1.36E-08	1.74E-08	2.05E-09	6.32E-09	8.36E-09
1501	438279.15	3762979.5	2.47E-08	8.42E-08	1.09E-07	3.84E-09	1.38E-08	1.76E-08	2.07E-09	6.38E-09	8.44E-09
1502	438276.32	3762988.84	2.49E-08	8.49E-08	1.10E-07	3.87E-09	1.39E-08	1.77E-08	2.08E-09	6.44E-09	8.52E-09
1503	438273.49	3762998.17	2.51E-08	8.56E-08	1.11E-07	3.90E-09	1.40E-08	1.79E-08	2.10E-09	6.49E-09	8.59E-09
1504	438270.66	3763007.5	2.53E-08	8.62E-08	1.12E-07	3.93E-09	1.41E-08	1.80E-08	2.12E-09	6.53E-09	8.65E-09
1505	438267.83	3763016.84	2.54E-08	8.68E-08	1.12E-07	3.95E-09	1.42E-08	1.81E-08	2.13E-09	6.57E-09	8.70E-09
1506	438265	3763026.17	2.56E-08	8.71E-08	1.13E-07	3.97E-09	1.42E-08	1.82E-08	2.14E-09	6.60E-09	8.74E-09
1507	438262.17	3763035.51	2.56E-08	8.74E-08	1.13E-07	3.98E-09	1.43E-08	1.83E-08	2.15E-09	6.62E-09	8.77E-09
1508	438259.34	3763044.84	2.57E-08	8.76E-08	1.13E-07	3.99E-09	1.43E-08	1.83E-08	2.15E-09	6.64E-09	8.79E-09
1509	438256.51	3763054.18	2.57E-08	8.76E-08	1.13E-07	3.99E-09	1.43E-08	1.83E-08	2.15E-09	6.64E-09	8.79E-09
1510	438253.68	3763063.51	2.57E-08	8.76E-08	1.13E-07	3.99E-09	1.43E-08	1.83E-08	2.15E-09	6.64E-09	8.79E-09
1511	438250.85	3763072.84	2.56E-08	8.74E-08	1.13E-07	3.98E-09	1.43E-08	1.83E-08	2.15E-09	6.63E-09	8.77E-09
1512	438248.01	3763082.18	2.56E-08	8.72E-08	1.13E-07	3.97E-09	1.42E-08	1.82E-08	2.14E-09	6.61E-09	8.74E-09
1513	438245.18	3763091.51	2.54E-08	8.67E-08	1.12E-07	3.95E-09	1.42E-08	1.81E-08	2.13E-09	6.57E-09	8.70E-09
1514	438242.35	3763100.85	2.53E-08	8.62E-08	1.11E-07	3.93E-09	1.41E-08	1.80E-08	2.12E-09	6.53E-09	8.64E-09
1515	438239.52	3763110.18	2.51E-08	8.55E-08	1.11E-07	3.90E-09	1.40E-08	1.79E-08	2.10E-09	6.48E-09	8.58E-09
1516	438236.69	3763119.52	2.48E-08	8.47E-08	1.10E-07	3.86E-09	1.38E-08	1.77E-08	2.08E-09	6.42E-09	8.50E-09
1517	438233.86	3763128.85	2.46E-08	8.38E-08	1.08E-07	3.82E-09	1.37E-08	1.75E-08	2.06E-09	6.35E-09	8.40E-09
1518	438231.03	3763138.18	2.43E-08	8.27E-08	1.07E-07	3.77E-09	1.35E-08	1.73E-08	2.03E-09	6.27E-09	8.30E-09
1519	438228.2	3763147.52	2.39E-08	8.16E-08	1.06E-07	3.72E-09	1.33E-08	1.71E-08	2.00E-09	6.19E-09	8.19E-09
1520	438225.37	3763156.85	2.36E-08	8.04E-08	1.04E-07	3.66E-09	1.31E-08	1.68E-08	1.97E-09	6.09E-09	8.07E-09
1521	438222.54	3763166.19	2.32E-08	7.91E-08	1.02E-07	3.61E-09	1.29E-08	1.65E-08	1.94E-09	5.99E-09	7.94E-09

1522	438219.71	3763175.52	2.28E-08	7.77E-08	1.01E-07	3.54E-09	1.27E-08	1.62E-08	1.91E-09	5.89E-09	7.80E-09
1523	438216.88	3763184.86	2.25E-08	7.66E-08	9.91E-08	3.49E-09	1.25E-08	1.60E-08	1.88E-09	5.80E-09	7.68E-09
1524	438214.05	3763194.19	2.2E-08	7.51E-08	9.71E-08	3.42E-09	1.23E-08	1.57E-08	1.84E-09	5.69E-09	7.53E-09
1525	438211.22	3763203.52	2.15E-08	7.35E-08	9.50E-08	3.35E-09	1.20E-08	1.54E-08	1.80E-09	5.57E-09	7.37E-09
1526	438208.39	3763212.86	2.11E-08	7.19E-08	9.29E-08	3.27E-09	1.17E-08	1.50E-08	1.76E-09	5.45E-09	7.21E-09
1527	438205.56	3763222.19	2.06E-08	7.02E-08	9.08E-08	3.20E-09	1.15E-08	1.47E-08	1.72E-09	5.32E-09	7.04E-09
1528	438202.73	3763231.53	2.01E-08	6.85E-08	8.86E-08	3.12E-09	1.12E-08	1.43E-08	1.68E-09	5.19E-09	6.87E-09
1529	438199.9	3763240.86	1.96E-08	6.68E-08	8.63E-08	3.04E-09	1.09E-08	1.39E-08	1.64E-09	5.06E-09	6.70E-09
1530	438197.07	3763250.19	1.9E-08	6.47E-08	8.36E-08	2.95E-09	1.06E-08	1.35E-08	1.59E-09	4.90E-09	6.49E-09
1531	438194.24	3763259.53	1.84E-08	6.29E-08	8.13E-08	2.87E-09	1.03E-08	1.31E-08	1.54E-09	4.77E-09	6.31E-09
1532	438191.41	3763268.86	1.79E-08	6.10E-08	7.89E-08	2.78E-09	9.96E-09	1.27E-08	1.50E-09	4.62E-09	6.12E-09
1533	438315.97	3762838.54	2E-08	6.80E-08	8.80E-08	3.10E-09	1.11E-08	1.42E-08	1.67E-09	5.16E-09	6.83E-09
1534	438315.98	3762828.73	1.97E-08	6.72E-08	8.69E-08	3.06E-09	1.10E-08	1.40E-08	1.65E-09	5.09E-09	6.74E-09
1535	438316	3762818.92	1.94E-08	6.63E-08	8.57E-08	3.02E-09	1.08E-08	1.38E-08	1.63E-09	5.02E-09	6.65E-09
1536	438316.01	3762809.11	1.91E-08	6.52E-08	8.44E-08	2.97E-09	1.07E-08	1.36E-08	1.60E-09	4.94E-09	6.55E-09
1537	438316.02	3762799.3	1.88E-08	6.41E-08	8.29E-08	2.92E-09	1.05E-08	1.34E-08	1.57E-09	4.86E-09	6.43E-09
1538	438316.04	3762789.49	1.85E-08	6.30E-08	8.14E-08	2.87E-09	1.03E-08	1.32E-08	1.55E-09	4.77E-09	6.32E-09
1539	438316.05	3762779.68	1.81E-08	6.18E-08	7.99E-08	2.82E-09	1.01E-08	1.29E-08	1.52E-09	4.68E-09	6.20E-09
1540	438316.07	3762769.87	1.78E-08	6.06E-08	7.84E-08	2.76E-09	9.90E-09	1.27E-08	1.49E-09	4.59E-09	6.08E-09
1541	438316.08	3762760.06	1.74E-08	5.94E-08	7.68E-08	2.71E-09	9.71E-09	1.24E-08	1.46E-09	4.50E-09	5.96E-09
1542	438316.1	3762750.25	1.71E-08	5.82E-08	7.53E-08	2.65E-09	9.51E-09	1.22E-08	1.43E-09	4.41E-09	5.84E-09
1543	438341.97	3762904.27	2.02E-08	6.87E-08	8.89E-08	3.13E-09	1.12E-08	1.44E-08	1.69E-09	5.21E-09	6.90E-09
1544	438339.18	3762913.48	2.05E-08	6.99E-08	9.04E-08	3.19E-09	1.14E-08	1.46E-08	1.72E-09	5.30E-09	7.01E-09
1545	438336.39	3762922.7	2.08E-08	7.10E-08	9.18E-08	3.24E-09	1.16E-08	1.48E-08	1.74E-09	5.38E-09	7.12E-09
1546	438333.6	3762931.91	2.11E-08	7.21E-08	9.32E-08	3.28E-09	1.18E-08	1.51E-08	1.77E-09	5.46E-09	7.23E-09
1547	438330.8	3762941.12	2.14E-08	7.30E-08	9.44E-08	3.33E-09	1.19E-08	1.53E-08	1.79E-09	5.53E-09	7.33E-09
1548	438328.01	3762950.33	2.17E-08	7.39E-08	9.56E-08	3.37E-09	1.21E-08	1.54E-08	1.81E-09	5.60E-09	7.41E-09
1549	438325.22	3762959.54	2.19E-08	7.47E-08	9.66E-08	3.40E-09	1.22E-08	1.56E-08	1.83E-09	5.66E-09	7.49E-09
1550	438322.42	3762968.75	2.21E-08	7.54E-08	9.75E-08	3.44E-09	1.23E-08	1.58E-08	1.85E-09	5.71E-09	7.57E-09
1551	438319.63	3762977.96	2.23E-08	7.61E-08	9.84E-08	3.47E-09	1.24E-08	1.59E-08	1.87E-09	5.76E-09	7.63E-09
1552	438316.84	3762987.17	2.25E-08	7.67E-08	9.92E-08	3.49E-09	1.25E-08	1.60E-08	1.88E-09	5.81E-09	7.69E-09
1553	438314.05	3762996.39	2.27E-08	7.73E-08	9.99E-08	3.52E-09	1.26E-08	1.61E-08	1.90E-09	5.86E-09	7.75E-09
1554	438311.25	3763005.6	2.28E-08	7.78E-08	1.01E-07	3.55E-09	1.27E-08	1.63E-08	1.91E-09	5.90E-09	7.81E-09
1555	438308.46	3763014.81	2.3E-08	7.83E-08	1.01E-07	3.57E-09	1.28E-08	1.64E-08	1.92E-09	5.93E-09	7.86E-09
1556	438305.67	3763024.02	2.31E-08	7.87E-08	1.02E-07	3.59E-09	1.29E-08	1.64E-08	1.93E-09	5.96E-09	7.90E-09
1557	438302.87	3763033.23	2.32E-08	7.90E-08	1.02E-07	3.60E-09	1.29E-08	1.65E-08	1.94E-09	5.99E-09	7.93E-09
1558	438300.08	3763042.44	2.33E-08	7.93E-08	1.03E-07	3.61E-09	1.30E-08	1.66E-08	1.95E-09	6.01E-09	7.95E-09
1559	438297.29	3763051.65	2.33E-08	7.95E-08	1.03E-07	3.62E-09	1.30E-08	1.66E-08	1.95E-09	6.02E-09	7.97E-09
1560	438294.49	3763060.87	2.34E-08	7.97E-08	1.03E-07	3.63E-09	1.30E-08	1.66E-08	1.96E-09	6.04E-09	7.99E-09
1561	438291.7	3763070.08	2.34E-08	7.97E-08	1.03E-07	3.63E-09	1.30E-08	1.67E-08	1.96E-09	6.04E-09	8.00E-09
1562	438288.91	3763079.29	2.34E-08	7.97E-08	1.03E-07	3.63E-09	1.30E-08	1.67E-08	1.96E-09	6.04E-09	8.00E-09
1563	438286.12	3763088.5	2.33E-08	7.95E-08	1.03E-07	3.62E-09	1.30E-08	1.66E-08	1.95E-09	6.02E-09	7.98E-09
1564	438283.32	3763097.71	2.32E-08	7.92E-08	1.02E-07	3.61E-09	1.29E-08	1.66E-08	1.94E-09	6.00E-09	7.95E-09
1565	438280.53	3763106.92	2.31E-08	7.89E-08	1.02E-07	3.59E-09	1.29E-08	1.65E-08	1.94E-09	5.98E-09	7.91E-09
1566	438277.74	3763116.13	2.3E-08	7.84E-08	1.01E-07	3.57E-09	1.28E-08	1.64E-08	1.92E-09	5.94E-09	7.87E-09
1567	438274.94	3763125.35	2.28E-08	7.79E-08	1.01E-07	3.55E-09	1.27E-08	1.63E-08	1.91E-09	5.90E-09	7.81E-09
1568	438272.15	3763134.56	2.26E-08	7.72E-08	9.98E-08	3.52E-09	1.26E-08	1.61E-08	1.89E-09	5.85E-09	7.74E-09
1569	438269.36	3763143.77	2.24E-08	7.64E-08	9.89E-08	3.48E-09	1.25E-08	1.60E-08	1.88E-09	5.79E-09	7.67E-09
1570	438266.56	3763152.98	2.22E-08	7.56E-08	9.78E-08	3.44E-09	1.24E-08	1.58E-08	1.86E-09	5.73E-09	7.58E-09
1571	438263.77	3763162.19	2.19E-08	7.47E-08	9.66E-08	3.40E-09	1.22E-08	1.56E-08	1.83E-09	5.66E-09	7.49E-09
1572	438260.98	3763171.4	2.16E-08	7.37E-08	9.53E-08	3.36E-09	1.20E-08	1.54E-08	1.81E-09	5.58E-09	7.39E-09
1573	438258.19	3763180.61	2.13E-08	7.26E-08	9.39E-08	3.31E-09	1.19E-08	1.52E-08	1.78E-09	5.50E-09	7.28E-09
1574	438255.39	3763189.83	2.09E-08	7.14E-08	9.24E-08	3.26E-09	1.17E-08	1.49E-08	1.75E-09	5.41E-09	7.17E-09
1575	438252.6	3763199.04	2.06E-08	7.02E-08	9.08E-08	3.20E-09	1.15E-08	1.47E-08	1.72E-09	5.32E-09	7.04E-09
1576	438249.81	3763208.25	2.02E-08	6.90E-08	8.92E-08	3.14E-09	1.13E-08	1.44E-08	1.69E-09	5.23E-09	6.92E-09
1577	438247.01	3763217.46	1.98E-08	6.77E-08	8.75E-08	3.08E-09	1.11E-08	1.41E-08	1.66E-09	5.13E-09	6.79E-09
1578	438244.22	3763226.67	1.94E-08	6.63E-08	8.57E-08	3.02E-09	1.08E-08	1.39E-08	1.63E-09	5.02E-09	6.65E-09
1579	438241.43	3763235.88	1.9E-08	6.49E-08	8.40E-08	2.96E-09	1.06E-08	1.36E-08	1.59E-09	4.92E-09	6.51E-09
1580	438238.64	3763245.09	1.86E-08	6.35E-08	8.21E-08	2.89E-09	1.04E-08	1.33E-08	1.56E-09	4.81E-09	6.37E-09
1581	438235.84	3763254.31	1.82E-08	6.20E-08	8.02E-08	2.83E-09	1.01E-08	1.30E-08	1.52E-09	4.70E-09	6.22E-09
1582	438233.05	3763263.52	1.77E-08	6.05E-08	7.82E-08	2.76E-09	9.88E-09	1.26E-08	1.48E-09	4.58E-09	6.07E-09

1583	438230.26	3763272.73	1.73E-08	5.88E-08	7.61E-08	2.68E-09	9.61E-09	1.23E-08	1.44E-09	4.46E-09	5.90E-09
1584	438227.46	3763281.94	1.68E-08	5.72E-08	7.39E-08	2.60E-09	9.34E-09	1.19E-08	1.40E-09	4.33E-09	5.74E-09
1585	438224.67	3763291.15	1.64E-08	5.58E-08	7.22E-08	2.54E-09	9.12E-09	1.17E-08	1.37E-09	4.23E-09	5.60E-09
1586	438353.71	3762997.55	2.06E-08	7.02E-08	9.08E-08	3.20E-09	1.15E-08	1.47E-08	1.72E-09	5.32E-09	7.05E-09
1587	438350.89	3763006.84	2.08E-08	7.08E-08	9.15E-08	3.23E-09	1.16E-08	1.48E-08	1.74E-09	5.36E-09	7.10E-09
1588	438348.08	3763016.12	2.09E-08	7.13E-08	9.22E-08	3.25E-09	1.16E-08	1.49E-08	1.75E-09	5.40E-09	7.15E-09
1589	438345.26	3763025.41	2.1E-08	7.16E-08	9.27E-08	3.26E-09	1.17E-08	1.50E-08	1.76E-09	5.43E-09	7.19E-09
1590	438342.45	3763034.69	2.11E-08	7.19E-08	9.30E-08	3.28E-09	1.17E-08	1.50E-08	1.77E-09	5.45E-09	7.22E-09
1591	438339.63	3763043.98	2.12E-08	7.22E-08	9.33E-08	3.29E-09	1.18E-08	1.51E-08	1.77E-09	5.47E-09	7.24E-09
1592	438336.82	3763053.26	2.12E-08	7.24E-08	9.36E-08	3.30E-09	1.18E-08	1.51E-08	1.78E-09	5.48E-09	7.26E-09
1593	438334	3763062.55	2.13E-08	7.26E-08	9.39E-08	3.31E-09	1.19E-08	1.52E-08	1.78E-09	5.50E-09	7.28E-09
1594	438331.19	3763071.83	2.13E-08	7.28E-08	9.41E-08	3.32E-09	1.19E-08	1.52E-08	1.79E-09	5.51E-09	7.30E-09
1595	438328.37	3763081.12	2.14E-08	7.28E-08	9.42E-08	3.32E-09	1.19E-08	1.52E-08	1.79E-09	5.52E-09	7.31E-09
1596	438325.56	3763090.4	2.13E-08	7.27E-08	9.41E-08	3.31E-09	1.19E-08	1.52E-08	1.79E-09	5.51E-09	7.30E-09
1597	438322.74	3763099.69	2.13E-08	7.26E-08	9.39E-08	3.31E-09	1.19E-08	1.52E-08	1.78E-09	5.50E-09	7.28E-09
1598	438319.93	3763108.97	2.12E-08	7.23E-08	9.36E-08	3.30E-09	1.18E-08	1.51E-08	1.78E-09	5.48E-09	7.26E-09
1599	438317.11	3763118.26	2.11E-08	7.21E-08	9.32E-08	3.28E-09	1.18E-08	1.51E-08	1.77E-09	5.46E-09	7.23E-09
1600	438314.3	3763127.54	2.1E-08	7.18E-08	9.28E-08	3.27E-09	1.17E-08	1.50E-08	1.76E-09	5.44E-09	7.20E-09
1601	438311.48	3763136.83	2.09E-08	7.13E-08	9.23E-08	3.25E-09	1.17E-08	1.49E-08	1.75E-09	5.41E-09	7.16E-09
1602	438308.67	3763146.11	2.08E-08	7.08E-08	9.15E-08	3.23E-09	1.16E-08	1.48E-08	1.74E-09	5.36E-09	7.10E-09
1603	438305.85	3763155.4	2.06E-08	7.01E-08	9.07E-08	3.19E-09	1.15E-08	1.46E-08	1.72E-09	5.31E-09	7.03E-09
1604	438303.03	3763164.68	2.03E-08	6.94E-08	8.97E-08	3.16E-09	1.13E-08	1.45E-08	1.70E-09	5.26E-09	6.96E-09
1605	438300.22	3763173.97	2.01E-08	6.86E-08	8.87E-08	3.13E-09	1.12E-08	1.43E-08	1.68E-09	5.20E-09	6.88E-09
1606	438297.4	3763183.25	2E-08	6.80E-08	8.80E-08	3.10E-09	1.11E-08	1.42E-08	1.67E-09	5.16E-09	6.83E-09
1607	438294.59	3763192.54	1.97E-08	6.72E-08	8.69E-08	3.06E-09	1.10E-08	1.40E-08	1.65E-09	5.09E-09	6.74E-09
1608	438291.77	3763201.82	1.94E-08	6.62E-08	8.56E-08	3.02E-09	1.08E-08	1.38E-08	1.63E-09	5.02E-09	6.64E-09
1609	438288.96	3763211.11	1.91E-08	6.52E-08	8.44E-08	2.97E-09	1.07E-08	1.36E-08	1.60E-09	4.94E-09	6.55E-09
1610	438286.14	3763220.39	1.88E-08	6.42E-08	8.30E-08	2.93E-09	1.05E-08	1.34E-08	1.58E-09	4.86E-09	6.44E-09
1611	438283.33	3763229.68	1.85E-08	6.31E-08	8.16E-08	2.88E-09	1.03E-08	1.32E-08	1.55E-09	4.78E-09	6.33E-09
1612	438280.51	3763238.96	1.82E-08	6.20E-08	8.01E-08	2.82E-09	1.01E-08	1.29E-08	1.52E-09	4.69E-09	6.22E-09
1613	438277.7	3763248.25	1.77E-08	6.05E-08	7.82E-08	2.75E-09	9.88E-09	1.26E-08	1.48E-09	4.58E-09	6.07E-09
1614	438274.88	3763257.53	1.74E-08	5.92E-08	7.66E-08	2.70E-09	9.67E-09	1.24E-08	1.45E-09	4.49E-09	5.94E-09
1615	438272.07	3763266.82	1.7E-08	5.79E-08	7.48E-08	2.64E-09	9.45E-09	1.21E-08	1.42E-09	4.39E-09	5.81E-09
1616	438269.25	3763276.1	1.67E-08	5.68E-08	7.34E-08	2.59E-09	9.28E-09	1.19E-08	1.39E-09	4.30E-09	5.70E-09
1617	438266.44	3763285.39	1.62E-08	5.54E-08	7.16E-08	2.52E-09	9.05E-09	1.16E-08	1.36E-09	4.20E-09	5.56E-09
1618	438263.62	3763294.67	1.58E-08	5.40E-08	6.98E-08	2.46E-09	8.81E-09	1.13E-08	1.32E-09	4.09E-09	5.41E-09
1619	438260.81	3763303.96	1.54E-08	5.25E-08	6.79E-08	2.39E-09	8.58E-09	1.10E-08	1.29E-09	3.98E-09	5.27E-09
1620	438257.99	3763313.24	1.5E-08	5.10E-08	6.60E-08	2.33E-09	8.34E-09	1.07E-08	1.25E-09	3.87E-09	5.12E-09
1621	438395.94	3762858.27	1.69E-08	5.75E-08	7.43E-08	2.62E-09	9.39E-09	1.20E-08	1.41E-09	4.35E-09	5.76E-09
1622	438395.95	3762848.46	1.66E-08	5.67E-08	7.33E-08	2.58E-09	9.27E-09	1.18E-08	1.39E-09	4.30E-09	5.69E-09
1623	438395.97	3762838.65	1.64E-08	5.60E-08	7.24E-08	2.55E-09	9.14E-09	1.17E-08	1.37E-09	4.24E-09	5.61E-09
1624	438395.98	3762828.85	1.62E-08	5.52E-08	7.14E-08	2.52E-09	9.02E-09	1.15E-08	1.36E-09	4.18E-09	5.54E-09
1625	438396	3762819.04	1.6E-08	5.45E-08	7.04E-08	2.48E-09	8.90E-09	1.14E-08	1.34E-09	4.13E-09	5.46E-09
1626	438396.01	3762809.23	1.57E-08	5.37E-08	6.94E-08	2.45E-09	8.77E-09	1.12E-08	1.32E-09	4.07E-09	5.39E-09
1627	438396.02	3762799.42	1.55E-08	5.29E-08	6.84E-08	2.41E-09	8.64E-09	1.10E-08	1.30E-09	4.01E-09	5.30E-09
1628	438396.04	3762789.61	1.53E-08	5.20E-08	6.73E-08	2.37E-09	8.50E-09	1.09E-08	1.28E-09	3.94E-09	5.22E-09
1629	438396.05	3762779.8	1.5E-08	5.11E-08	6.61E-08	2.33E-09	8.35E-09	1.07E-08	1.26E-09	3.87E-09	5.13E-09
1630	438396.07	3762769.99	1.48E-08	5.03E-08	6.51E-08	2.29E-09	8.22E-09	1.05E-08	1.23E-09	3.81E-09	5.05E-09
1631	438396.08	3762760.18	1.45E-08	4.94E-08	6.39E-08	2.25E-09	8.07E-09	1.03E-08	1.21E-09	3.74E-09	4.96E-09
1632	438396.1	3762750.37	1.42E-08	4.85E-08	6.27E-08	2.21E-09	7.92E-09	1.01E-08	1.19E-09	3.67E-09	4.86E-09
1633	438396.11	3762740.56	1.4E-08	4.76E-08	6.15E-08	2.17E-09	7.77E-09	9.94E-09	1.17E-09	3.61E-09	4.77E-09
1634	438396.12	3762730.75	1.37E-08	4.67E-08	6.03E-08	2.13E-09	7.62E-09	9.75E-09	1.15E-09	3.54E-09	4.68E-09
1635	438396.14	3762720.94	1.34E-08	4.57E-08	5.92E-08	2.08E-09	7.47E-09	9.56E-09	1.12E-09	3.47E-09	4.59E-09
1636	438424.6	3762895.74	1.65E-08	5.61E-08	7.26E-08	2.56E-09	9.17E-09	1.17E-08	1.38E-09	4.25E-09	5.63E-09
1637	438421.76	3762905.1	1.67E-08	5.70E-08	7.37E-08	2.60E-09	9.31E-09	1.19E-08	1.40E-09	4.32E-09	5.72E-09
1638	438418.92	3762914.45	1.7E-08	5.79E-08	7.49E-08	2.64E-09	9.46E-09	1.21E-08	1.42E-09	4.39E-09	5.81E-09
1639	438416.09	3762923.8	1.72E-08	5.87E-08	7.60E-08	2.68E-09	9.60E-09	1.23E-08	1.44E-09	4.45E-09	5.89E-09
1640	438413.25	3762933.16	1.75E-08	5.96E-08	7.71E-08	2.72E-09	9.73E-09	1.25E-08	1.46E-09	4.52E-09	5.98E-09
1641	438410.42	3762942.51	1.77E-08	6.04E-08	7.81E-08	2.75E-09	9.86E-09	1.26E-08	1.48E-09	4.57E-09	6.06E-09
1642	438407.58	3762951.86	1.79E-08	6.11E-08	7.90E-08	2.78E-09	9.98E-09	1.28E-08	1.50E-09	4.63E-09	6.13E-09
1643	438404.74	3762961.22	1.81E-08	6.18E-08	7.99E-08	2.82E-09	1.01E-08	1.29E-08	1.52E-09	4.68E-09	6.20E-09

1644	438401.91	3762970.57	1.83E-08	6.24E-08	8.08E-08	2.85E-09	1.02E-08	1.30E-08	1.53E-09	4.73E-09	6.26E-09
1645	438399.07	3762979.92	1.85E-08	6.30E-08	8.15E-08	2.87E-09	1.03E-08	1.32E-08	1.55E-09	4.78E-09	6.32E-09
1646	438396.24	3762989.28	1.86E-08	6.36E-08	8.22E-08	2.90E-09	1.04E-08	1.33E-08	1.56E-09	4.82E-09	6.38E-09
1647	438393.4	3762998.63	1.88E-08	6.41E-08	8.29E-08	2.92E-09	1.05E-08	1.34E-08	1.57E-09	4.86E-09	6.43E-09
1648	438390.56	3763007.98	1.89E-08	6.46E-08	8.36E-08	2.94E-09	1.06E-08	1.35E-08	1.59E-09	4.90E-09	6.48E-09
1649	438387.73	3763017.33	1.91E-08	6.51E-08	8.42E-08	2.97E-09	1.06E-08	1.36E-08	1.60E-09	4.93E-09	6.53E-09
1650	438384.89	3763026.69	1.92E-08	6.55E-08	8.46E-08	2.98E-09	1.07E-08	1.37E-08	1.61E-09	4.96E-09	6.57E-09
1651	438353.7	3763129.57	1.94E-08	6.63E-08	8.57E-08	3.02E-09	1.08E-08	1.38E-08	1.63E-09	5.02E-09	6.65E-09
1652	438350.86	3763138.93	1.94E-08	6.60E-08	8.53E-08	3.01E-09	1.08E-08	1.38E-08	1.62E-09	5.00E-09	6.62E-09
1653	438348.03	3763148.28	1.92E-08	6.56E-08	8.48E-08	2.99E-09	1.07E-08	1.37E-08	1.61E-09	4.97E-09	6.58E-09
1654	438345.19	3763157.63	1.91E-08	6.51E-08	8.42E-08	2.97E-09	1.06E-08	1.36E-08	1.60E-09	4.93E-09	6.53E-09
1655	438342.35	3763166.99	1.9E-08	6.48E-08	8.38E-08	2.95E-09	1.06E-08	1.35E-08	1.59E-09	4.91E-09	6.50E-09
1656	438339.52	3763176.34	1.88E-08	6.42E-08	8.30E-08	2.93E-09	1.05E-08	1.34E-08	1.58E-09	4.86E-09	6.44E-09
1657	438336.68	3763185.69	1.86E-08	6.36E-08	8.22E-08	2.90E-09	1.04E-08	1.33E-08	1.56E-09	4.82E-09	6.38E-09
1658	438333.85	3763195.04	1.84E-08	6.29E-08	8.14E-08	2.87E-09	1.03E-08	1.31E-08	1.54E-09	4.77E-09	6.31E-09
1659	438331.01	3763204.4	1.82E-08	6.22E-08	8.04E-08	2.83E-09	1.02E-08	1.30E-08	1.53E-09	4.71E-09	6.24E-09
1660	438328.17	3763213.75	1.8E-08	6.14E-08	7.95E-08	2.80E-09	1.00E-08	1.28E-08	1.51E-09	4.66E-09	6.16E-09
1661	438325.34	3763223.1	1.78E-08	6.06E-08	7.84E-08	2.76E-09	9.90E-09	1.27E-08	1.49E-09	4.59E-09	6.08E-09
1662	438322.5	3763232.46	1.74E-08	5.95E-08	7.69E-08	2.71E-09	9.72E-09	1.24E-08	1.46E-09	4.51E-09	5.97E-09
1663	438319.67	3763241.81	1.72E-08	5.85E-08	7.57E-08	2.67E-09	9.56E-09	1.22E-08	1.44E-09	4.44E-09	5.87E-09
1664	438316.83	3763251.16	1.69E-08	5.76E-08	7.45E-08	2.62E-09	9.41E-09	1.20E-08	1.41E-09	4.36E-09	5.78E-09
1665	438313.99	3763260.52	1.66E-08	5.65E-08	7.31E-08	2.58E-09	9.24E-09	1.18E-08	1.39E-09	4.28E-09	5.67E-09
1666	438311.16	3763269.87	1.63E-08	5.54E-08	7.17E-08	2.53E-09	9.06E-09	1.16E-08	1.36E-09	4.20E-09	5.56E-09
1667	438308.32	3763279.22	1.59E-08	5.43E-08	7.02E-08	2.47E-09	8.87E-09	1.13E-08	1.33E-09	4.11E-09	5.45E-09
1668	438305.49	3763288.58	1.56E-08	5.31E-08	6.87E-08	2.42E-09	8.67E-09	1.11E-08	1.30E-09	4.02E-09	5.33E-09
1669	438302.65	3763297.93	1.52E-08	5.19E-08	6.71E-08	2.36E-09	8.47E-09	1.08E-08	1.27E-09	3.93E-09	5.20E-09
1670	438299.82	3763307.28	1.49E-08	5.09E-08	6.58E-08	2.32E-09	8.31E-09	1.06E-08	1.25E-09	3.85E-09	5.10E-09
1671	438296.98	3763316.64	1.45E-08	4.96E-08	6.41E-08	2.26E-09	8.10E-09	1.04E-08	1.22E-09	3.76E-09	4.97E-09
1672	438294.14	3763325.99	1.42E-08	4.83E-08	6.24E-08	2.20E-09	7.89E-09	1.01E-08	1.19E-09	3.66E-09	4.84E-09
1673	438291.31	3763335.34	1.38E-08	4.70E-08	6.08E-08	2.14E-09	7.68E-09	9.82E-09	1.15E-09	3.56E-09	4.72E-09
1674	438435.94	3762858.33	1.54E-08	5.24E-08	6.77E-08	2.39E-09	8.55E-09	1.09E-08	1.29E-09	3.97E-09	5.25E-09
1675	438435.95	3762848.52	1.52E-08	5.17E-08	6.69E-08	2.36E-09	8.45E-09	1.08E-08	1.27E-09	3.92E-09	5.19E-09
1676	438435.97	3762838.71	1.5E-08	5.11E-08	6.61E-08	2.33E-09	8.35E-09	1.07E-08	1.25E-09	3.87E-09	5.13E-09
1677	438435.98	3762828.9	1.48E-08	5.04E-08	6.52E-08	2.30E-09	8.24E-09	1.05E-08	1.24E-09	3.82E-09	5.06E-09
1678	438436	3762819.09	1.46E-08	4.97E-08	6.43E-08	2.27E-09	8.13E-09	1.04E-08	1.22E-09	3.77E-09	4.99E-09
1679	438436.01	3762809.29	1.44E-08	4.90E-08	6.34E-08	2.24E-09	8.01E-09	1.02E-08	1.20E-09	3.72E-09	4.92E-09
1680	438436.02	3762799.48	1.42E-08	4.84E-08	6.26E-08	2.20E-09	7.90E-09	1.01E-08	1.19E-09	3.67E-09	4.85E-09
1681	438436.04	3762789.67	1.4E-08	4.77E-08	6.17E-08	2.17E-09	7.79E-09	9.96E-09	1.17E-09	3.61E-09	4.78E-09
1682	438436.05	3762779.86	1.38E-08	4.69E-08	6.07E-08	2.14E-09	7.66E-09	9.80E-09	1.15E-09	3.55E-09	4.71E-09
1683	438436.07	3762770.05	1.35E-08	4.61E-08	5.97E-08	2.10E-09	7.54E-09	9.64E-09	1.13E-09	3.50E-09	4.63E-09
1684	438436.08	3762760.24	1.33E-08	4.53E-08	5.86E-08	2.07E-09	7.41E-09	9.47E-09	1.11E-09	3.44E-09	4.55E-09
1685	438436.1	3762750.43	1.31E-08	4.46E-08	5.76E-08	2.03E-09	7.28E-09	9.31E-09	1.09E-09	3.38E-09	4.47E-09
1686	438436.11	3762740.62	1.28E-08	4.37E-08	5.66E-08	1.99E-09	7.15E-09	9.14E-09	1.07E-09	3.31E-09	4.39E-09
1687	438436.12	3762730.81	1.26E-08	4.29E-08	5.55E-08	1.96E-09	7.01E-09	8.97E-09	1.05E-09	3.25E-09	4.31E-09
1688	438436.14	3762721	1.24E-08	4.21E-08	5.45E-08	1.92E-09	6.88E-09	8.80E-09	1.03E-09	3.19E-09	4.23E-09
1689	438464.73	3762895.37	1.5E-08	5.10E-08	6.60E-08	2.33E-09	8.34E-09	1.07E-08	1.25E-09	3.87E-09	5.12E-09
1690	438461.92	3762904.61	1.52E-08	5.18E-08	6.70E-08	2.36E-09	8.47E-09	1.08E-08	1.27E-09	3.93E-09	5.20E-09
1691	438459.12	3762913.86	1.54E-08	5.26E-08	6.81E-08	2.40E-09	8.60E-09	1.10E-08	1.29E-09	3.99E-09	5.28E-09
1692	438456.32	3762923.1	1.57E-08	5.34E-08	6.91E-08	2.43E-09	8.72E-09	1.12E-08	1.31E-09	4.05E-09	5.36E-09
1693	438453.51	3762932.35	1.59E-08	5.41E-08	7.00E-08	2.47E-09	8.84E-09	1.13E-08	1.33E-09	4.10E-09	5.43E-09
1694	438450.71	3762941.59	1.61E-08	5.48E-08	7.09E-08	2.50E-09	8.96E-09	1.15E-08	1.35E-09	4.16E-09	5.50E-09
1695	438447.91	3762950.84	1.63E-08	5.55E-08	7.18E-08	2.53E-09	9.07E-09	1.16E-08	1.36E-09	4.21E-09	5.57E-09
1696	438445.1	3762960.08	1.65E-08	5.62E-08	7.27E-08	2.56E-09	9.18E-09	1.17E-08	1.38E-09	4.26E-09	5.64E-09
1697	438442.3	3762969.33	1.67E-08	5.68E-08	7.35E-08	2.59E-09	9.28E-09	1.19E-08	1.39E-09	4.31E-09	5.70E-09
1698	438439.5	3762978.57	1.68E-08	5.74E-08	7.42E-08	2.62E-09	9.38E-09	1.20E-08	1.41E-09	4.35E-09	5.76E-09
1699	438436.7	3762987.82	1.7E-08	5.80E-08	7.50E-08	2.64E-09	9.47E-09	1.21E-08	1.42E-09	4.39E-09	5.82E-09
1700	438433.89	3762997.06	1.72E-08	5.85E-08	7.57E-08	2.67E-09	9.56E-09	1.22E-08	1.44E-09	4.44E-09	5.87E-09
1701	438431.09	3763006.31	1.73E-08	5.90E-08	7.64E-08	2.69E-09	9.65E-09	1.23E-08	1.45E-09	4.47E-09	5.92E-09
1702	438428.29	3763015.55	1.74E-08	5.95E-08	7.69E-08	2.71E-09	9.72E-09	1.24E-08	1.46E-09	4.51E-09	5.97E-09
1703	438425.48	3763024.8	1.76E-08	5.99E-08	7.74E-08	2.73E-09	9.78E-09	1.25E-08	1.47E-09	4.54E-09	6.01E-09
1704	438422.68	3763034.04	1.77E-08	6.02E-08	7.79E-08	2.74E-09	9.83E-09	1.26E-08	1.48E-09	4.56E-09	6.04E-09

1705	438419.88	3763043.29	1.77E-08	6.05E-08	7.82E-08	2.76E-09	9.88E-09	1.26E-08	1.48E-09	4.58E-09	6.07E-09
1706	438417.07	3763052.53	1.78E-08	6.07E-08	7.86E-08	2.77E-09	9.92E-09	1.27E-08	1.49E-09	4.60E-09	6.09E-09
1707	438414.27	3763061.78	1.79E-08	6.10E-08	7.89E-08	2.78E-09	9.96E-09	1.27E-08	1.50E-09	4.62E-09	6.12E-09
1708	438411.47	3763071.02	1.79E-08	6.12E-08	7.92E-08	2.79E-09	1.00E-08	1.28E-08	1.50E-09	4.64E-09	6.14E-09
1709	438408.66	3763080.27	1.8E-08	6.14E-08	7.94E-08	2.80E-09	1.00E-08	1.28E-08	1.51E-09	4.65E-09	6.16E-09
1710	438405.86	3763089.51	1.8E-08	6.15E-08	7.95E-08	2.80E-09	1.00E-08	1.28E-08	1.51E-09	4.66E-09	6.17E-09
1711	438403.06	3763098.76	1.81E-08	6.16E-08	7.96E-08	2.80E-09	1.01E-08	1.29E-08	1.51E-09	4.66E-09	6.18E-09
1712	438400.26	3763108	1.81E-08	6.16E-08	7.96E-08	2.81E-09	1.01E-08	1.29E-08	1.51E-09	4.67E-09	6.18E-09
1713	438397.45	3763117.25	1.81E-08	6.16E-08	7.96E-08	2.81E-09	1.01E-08	1.29E-08	1.51E-09	4.67E-09	6.18E-09
1714	438394.65	3763126.49	1.8E-08	6.15E-08	7.96E-08	2.80E-09	1.01E-08	1.29E-08	1.51E-09	4.66E-09	6.17E-09
1715	438391.85	3763135.74	1.8E-08	6.14E-08	7.95E-08	2.80E-09	1.00E-08	1.28E-08	1.51E-09	4.66E-09	6.16E-09
1716	438389.04	3763144.98	1.8E-08	6.13E-08	7.92E-08	2.79E-09	1.00E-08	1.28E-08	1.50E-09	4.64E-09	6.15E-09
1717	438386.24	3763154.23	1.79E-08	6.10E-08	7.89E-08	2.78E-09	9.96E-09	1.27E-08	1.50E-09	4.62E-09	6.12E-09
1718	438352.6	3763265.17	1.58E-08	5.37E-08	6.95E-08	2.45E-09	8.77E-09	1.12E-08	1.32E-09	4.07E-09	5.39E-09
1719	438349.8	3763274.41	1.55E-08	5.28E-08	6.83E-08	2.41E-09	8.63E-09	1.10E-08	1.30E-09	4.00E-09	5.30E-09
1720	438347	3763283.66	1.52E-08	5.19E-08	6.71E-08	2.36E-09	8.47E-09	1.08E-08	1.27E-09	3.93E-09	5.20E-09
1721	438344.19	3763292.9	1.49E-08	5.09E-08	6.58E-08	2.32E-09	8.31E-09	1.06E-08	1.25E-09	3.85E-09	5.10E-09
1722	438341.39	3763302.15	1.46E-08	4.98E-08	6.44E-08	2.27E-09	8.14E-09	1.04E-08	1.22E-09	3.77E-09	5.00E-09
1723	438338.59	3763311.39	1.43E-08	4.87E-08	6.30E-08	2.22E-09	7.96E-09	1.02E-08	1.20E-09	3.69E-09	4.89E-09
1724	438335.78	3763320.64	1.4E-08	4.76E-08	6.16E-08	2.17E-09	7.78E-09	9.95E-09	1.17E-09	3.61E-09	4.78E-09
1725	438332.98	3763329.88	1.37E-08	4.68E-08	6.05E-08	2.13E-09	7.64E-09	9.77E-09	1.15E-09	3.54E-09	4.69E-09
1726	438330.18	3763339.13	1.34E-08	4.57E-08	5.90E-08	2.08E-09	7.46E-09	9.54E-09	1.12E-09	3.46E-09	4.58E-09
1727	438327.37	3763348.37	1.31E-08	4.45E-08	5.76E-08	2.03E-09	7.27E-09	9.30E-09	1.09E-09	3.37E-09	4.47E-09
1728	438324.57	3763357.62	1.27E-08	4.34E-08	5.61E-08	1.98E-09	7.09E-09	9.06E-09	1.06E-09	3.29E-09	4.35E-09
1729	438475.94	3762858.39	1.41E-08	4.80E-08	6.21E-08	2.19E-09	7.84E-09	1.00E-08	1.18E-09	3.64E-09	4.81E-09
1730	438475.95	3762848.58	1.39E-08	4.75E-08	6.15E-08	2.17E-09	7.76E-09	9.93E-09	1.17E-09	3.60E-09	4.77E-09
1731	438475.97	3762838.77	1.38E-08	4.70E-08	6.08E-08	2.14E-09	7.68E-09	9.83E-09	1.15E-09	3.56E-09	4.72E-09
1732	438475.98	3762828.96	1.36E-08	4.65E-08	6.01E-08	2.12E-09	7.59E-09	9.71E-09	1.14E-09	3.52E-09	4.66E-09
1733	438476	3762819.15	1.34E-08	4.58E-08	5.93E-08	2.09E-09	7.49E-09	9.58E-09	1.13E-09	3.47E-09	4.60E-09
1734	438476.01	3762809.34	1.33E-08	4.52E-08	5.85E-08	2.06E-09	7.39E-09	9.45E-09	1.11E-09	3.43E-09	4.54E-09
1735	438476.02	3762799.53	1.31E-08	4.46E-08	5.76E-08	2.03E-09	7.28E-09	9.31E-09	1.09E-09	3.38E-09	4.47E-09
1736	438476.04	3762789.72	1.29E-08	4.39E-08	5.67E-08	2.00E-09	7.17E-09	9.17E-09	1.08E-09	3.32E-09	4.40E-09
1737	438476.05	3762779.92	1.27E-08	4.32E-08	5.59E-08	1.97E-09	7.06E-09	9.03E-09	1.06E-09	3.27E-09	4.33E-09
1738	438476.07	3762770.11	1.25E-08	4.25E-08	5.50E-08	1.94E-09	6.94E-09	8.88E-09	1.04E-09	3.22E-09	4.26E-09
1739	438476.08	3762760.3	1.23E-08	4.18E-08	5.40E-08	1.90E-09	6.83E-09	8.73E-09	1.03E-09	3.17E-09	4.19E-09
1740	438476.1	3762750.49	1.2E-08	4.11E-08	5.31E-08	1.87E-09	6.71E-09	8.58E-09	1.01E-09	3.11E-09	4.12E-09
1741	438476.11	3762740.68	1.18E-08	4.04E-08	5.22E-08	1.84E-09	6.59E-09	8.43E-09	9.91E-10	3.06E-09	4.05E-09
1742	438476.12	3762730.87	1.16E-08	3.96E-08	5.13E-08	1.81E-09	6.48E-09	8.28E-09	9.73E-10	3.00E-09	3.98E-09
1743	438476.14	3762721.06	1.14E-08	3.89E-08	5.03E-08	1.77E-09	6.36E-09	8.13E-09	9.55E-10	2.95E-09	3.91E-09
1744	438504.65	3762895.68	1.37E-08	4.68E-08	6.05E-08	2.13E-09	7.65E-09	9.78E-09	1.15E-09	3.55E-09	4.69E-09
1745	438501.83	3762904.99	1.39E-08	4.75E-08	6.14E-08	2.16E-09	7.76E-09	9.92E-09	1.17E-09	3.60E-09	4.76E-09
1746	438499	3762914.3	1.41E-08	4.82E-08	6.23E-08	2.20E-09	7.88E-09	1.01E-08	1.18E-09	3.65E-09	4.84E-09
1747	438496.18	3762923.61	1.43E-08	4.89E-08	6.33E-08	2.23E-09	7.99E-09	1.02E-08	1.20E-09	3.71E-09	4.91E-09
1748	438493.36	3762932.92	1.46E-08	4.96E-08	6.42E-08	2.26E-09	8.11E-09	1.04E-08	1.22E-09	3.76E-09	4.98E-09
1749	438490.54	3762942.22	1.47E-08	5.03E-08	6.50E-08	2.29E-09	8.21E-09	1.05E-08	1.23E-09	3.81E-09	5.04E-09
1750	438487.72	3762951.53	1.49E-08	5.09E-08	6.59E-08	2.32E-09	8.32E-09	1.06E-08	1.25E-09	3.86E-09	5.11E-09
1751	438484.89	3762960.84	1.51E-08	5.15E-08	6.67E-08	2.35E-09	8.42E-09	1.08E-08	1.27E-09	3.91E-09	5.17E-09
1752	438482.07	3762970.15	1.53E-08	5.21E-08	6.74E-08	2.37E-09	8.51E-09	1.09E-08	1.28E-09	3.95E-09	5.22E-09
1753	438479.25	3762979.46	1.54E-08	5.26E-08	6.80E-08	2.40E-09	8.59E-09	1.10E-08	1.29E-09	3.99E-09	5.28E-09
1754	438476.43	3762988.77	1.56E-08	5.31E-08	6.86E-08	2.42E-09	8.67E-09	1.11E-08	1.30E-09	4.02E-09	5.32E-09
1755	438473.6	3762998.07	1.57E-08	5.35E-08	6.92E-08	2.44E-09	8.75E-09	1.12E-08	1.31E-09	4.06E-09	5.37E-09
1756	438470.78	3763007.38	1.58E-08	5.40E-08	6.98E-08	2.46E-09	8.82E-09	1.13E-08	1.33E-09	4.09E-09	5.42E-09
1757	438467.96	3763016.69	1.6E-08	5.45E-08	7.04E-08	2.48E-09	8.90E-09	1.14E-08	1.34E-09	4.13E-09	5.46E-09
1758	438465.14	3763026	1.61E-08	5.49E-08	7.10E-08	2.50E-09	8.97E-09	1.15E-08	1.35E-09	4.16E-09	5.51E-09
1759	438462.31	3763035.31	1.62E-08	5.53E-08	7.15E-08	2.52E-09	9.03E-09	1.16E-08	1.36E-09	4.19E-09	5.55E-09
1760	438459.49	3763044.62	1.63E-08	5.56E-08	7.19E-08	2.53E-09	9.09E-09	1.16E-08	1.37E-09	4.22E-09	5.58E-09
1761	438456.67	3763053.92	1.64E-08	5.59E-08	7.23E-08	2.55E-09	9.14E-09	1.17E-08	1.37E-09	4.24E-09	5.61E-09
1762	438453.85	3763063.23	1.65E-08	5.62E-08	7.27E-08	2.56E-09	9.18E-09	1.17E-08	1.38E-09	4.26E-09	5.64E-09
1763	438451.03	3763072.54	1.65E-08	5.64E-08	7.30E-08	2.57E-09	9.22E-09	1.18E-08	1.39E-09	4.28E-09	5.66E-09
1764	438448.2	3763081.85	1.66E-08	5.66E-08	7.32E-08	2.58E-09	9.25E-09	1.18E-08	1.39E-09	4.29E-09	5.68E-09
1765	438445.38	3763091.16	1.66E-08	5.68E-08	7.34E-08	2.59E-09	9.27E-09	1.19E-08	1.39E-09	4.30E-09	5.70E-09

1766	438442.56	3763100.47	1.67E-08	5.69E-08	7.36E-08	2.59E-09	9.29E-09	1.19E-08	1.40E-09	4.31E-09	5.71E-09
1767	438439.74	3763109.77	1.67E-08	5.69E-08	7.36E-08	2.59E-09	9.30E-09	1.19E-08	1.40E-09	4.32E-09	5.71E-09
1768	438436.91	3763119.08	1.67E-08	5.70E-08	7.37E-08	2.60E-09	9.31E-09	1.19E-08	1.40E-09	4.32E-09	5.72E-09
1769	438434.09	3763128.39	1.67E-08	5.70E-08	7.37E-08	2.60E-09	9.31E-09	1.19E-08	1.40E-09	4.32E-09	5.72E-09
1770	438431.27	3763137.7	1.67E-08	5.70E-08	7.37E-08	2.60E-09	9.31E-09	1.19E-08	1.40E-09	4.32E-09	5.72E-09
1771	438428.45	3763147.01	1.67E-08	5.69E-08	7.36E-08	2.59E-09	9.30E-09	1.19E-08	1.40E-09	4.31E-09	5.71E-09
1772	438425.62	3763156.32	1.67E-08	5.68E-08	7.35E-08	2.59E-09	9.28E-09	1.19E-08	1.39E-09	4.31E-09	5.70E-09
1773	438422.8	3763165.62	1.66E-08	5.67E-08	7.33E-08	2.58E-09	9.26E-09	1.18E-08	1.39E-09	4.29E-09	5.69E-09
1774	438419.98	3763174.93	1.65E-08	5.64E-08	7.30E-08	2.57E-09	9.22E-09	1.18E-08	1.38E-09	4.28E-09	5.66E-09
1775	438417.16	3763184.24	1.64E-08	5.61E-08	7.25E-08	2.55E-09	9.16E-09	1.17E-08	1.38E-09	4.25E-09	5.62E-09
1776	438414.33	3763193.55	1.63E-08	5.57E-08	7.20E-08	2.54E-09	9.09E-09	1.16E-08	1.37E-09	4.22E-09	5.58E-09
1777	438411.51	3763202.86	1.62E-08	5.52E-08	7.14E-08	2.52E-09	9.02E-09	1.15E-08	1.35E-09	4.18E-09	5.54E-09
1778	438408.69	3763212.17	1.6E-08	5.47E-08	7.08E-08	2.49E-09	8.94E-09	1.14E-08	1.34E-09	4.15E-09	5.49E-09
1779	438405.87	3763221.48	1.59E-08	5.42E-08	7.01E-08	2.47E-09	8.85E-09	1.13E-08	1.33E-09	4.11E-09	5.44E-09
1780	438403.05	3763230.78	1.57E-08	5.36E-08	6.94E-08	2.44E-09	8.76E-09	1.12E-08	1.32E-09	4.06E-09	5.38E-09
1781	438400.22	3763240.09	1.56E-08	5.31E-08	6.87E-08	2.42E-09	8.67E-09	1.11E-08	1.30E-09	4.02E-09	5.33E-09
1782	438397.4	3763249.4	1.54E-08	5.25E-08	6.79E-08	2.39E-09	8.58E-09	1.10E-08	1.29E-09	3.98E-09	5.27E-09
1783	438394.58	3763258.71	1.52E-08	5.19E-08	6.71E-08	2.36E-09	8.47E-09	1.08E-08	1.27E-09	3.93E-09	5.20E-09
1784	438391.76	3763268.02	1.5E-08	5.12E-08	6.62E-08	2.33E-09	8.36E-09	1.07E-08	1.26E-09	3.88E-09	5.13E-09
1785	438388.93	3763277.33	1.48E-08	5.04E-08	6.52E-08	2.30E-09	8.23E-09	1.05E-08	1.24E-09	3.82E-09	5.06E-09
1786	438515.94	3762858.45	1.29E-08	4.41E-08	5.71E-08	2.01E-09	7.21E-09	9.22E-09	1.08E-09	3.34E-09	4.43E-09
1787	438515.95	3762848.64	1.28E-08	4.37E-08	5.65E-08	1.99E-09	7.14E-09	9.13E-09	1.07E-09	3.31E-09	4.38E-09
1788	438515.97	3762838.83	1.27E-08	4.33E-08	5.60E-08	1.97E-09	7.07E-09	9.04E-09	1.06E-09	3.28E-09	4.34E-09
1789	438515.98	3762829.02	1.25E-08	4.28E-08	5.53E-08	1.95E-09	6.99E-09	8.94E-09	1.05E-09	3.24E-09	4.29E-09
1790	438516	3762819.21	1.24E-08	4.22E-08	5.46E-08	1.92E-09	6.90E-09	8.82E-09	1.04E-09	3.20E-09	4.24E-09
1791	438516.01	3762809.4	1.22E-08	4.17E-08	5.39E-08	1.90E-09	6.81E-09	8.70E-09	1.02E-09	3.16E-09	4.18E-09
1792	438516.02	3762799.59	1.2E-08	4.11E-08	5.31E-08	1.87E-09	6.71E-09	8.58E-09	1.01E-09	3.11E-09	4.12E-09
1793	438516.04	3762789.78	1.19E-08	4.05E-08	5.24E-08	1.85E-09	6.62E-09	8.46E-09	9.94E-10	3.07E-09	4.06E-09
1794	438516.05	3762779.97	1.17E-08	3.99E-08	5.16E-08	1.82E-09	6.52E-09	8.34E-09	9.79E-10	3.02E-09	4.00E-09
1795	438516.07	3762770.16	1.15E-08	3.93E-08	5.08E-08	1.79E-09	6.42E-09	8.21E-09	9.64E-10	2.98E-09	3.94E-09
1796	438516.08	3762760.36	1.13E-08	3.86E-08	5.00E-08	1.76E-09	6.31E-09	8.07E-09	9.49E-10	2.93E-09	3.88E-09
1797	438516.1	3762750.55	1.11E-08	3.80E-08	4.92E-08	1.73E-09	6.21E-09	7.94E-09	9.33E-10	2.88E-09	3.81E-09
1798	438516.11	3762740.74	1.1E-08	3.74E-08	4.83E-08	1.70E-09	6.11E-09	7.81E-09	9.18E-10	2.83E-09	3.75E-09
1799	438516.12	3762730.93	1.08E-08	3.67E-08	4.75E-08	1.67E-09	6.00E-09	7.68E-09	9.02E-10	2.78E-09	3.69E-09
1800	438516.14	3762721.12	1.06E-08	3.61E-08	4.67E-08	1.64E-09	5.90E-09	7.54E-09	8.86E-10	2.74E-09	3.62E-09
1801	438544.58	3762895.98	1.26E-08	4.30E-08	5.56E-08	1.96E-09	7.03E-09	8.99E-09	1.06E-09	3.26E-09	4.32E-09
1802	438541.74	3762905.34	1.28E-08	4.36E-08	5.64E-08	1.99E-09	7.13E-09	9.11E-09	1.07E-09	3.31E-09	4.38E-09
1803	438538.9	3762914.71	1.3E-08	4.42E-08	5.72E-08	2.02E-09	7.23E-09	9.24E-09	1.09E-09	3.35E-09	4.44E-09
1804	438536.06	3762924.08	1.32E-08	4.49E-08	5.80E-08	2.04E-09	7.33E-09	9.38E-09	1.10E-09	3.40E-09	4.50E-09
1805	438533.22	3762933.45	1.33E-08	4.55E-08	5.89E-08	2.07E-09	7.43E-09	9.51E-09	1.12E-09	3.45E-09	4.57E-09
1806	438530.38	3762942.81	1.35E-08	4.61E-08	5.97E-08	2.10E-09	7.54E-09	9.64E-09	1.13E-09	3.50E-09	4.63E-09
1807	438527.54	3762952.18	1.37E-08	4.68E-08	6.05E-08	2.13E-09	7.64E-09	9.77E-09	1.15E-09	3.54E-09	4.69E-09
1808	438524.7	3762961.55	1.39E-08	4.73E-08	6.12E-08	2.16E-09	7.73E-09	9.89E-09	1.16E-09	3.59E-09	4.75E-09
1809	438521.86	3762970.92	1.4E-08	4.78E-08	6.19E-08	2.18E-09	7.81E-09	9.99E-09	1.17E-09	3.62E-09	4.80E-09
1810	438519.02	3762980.28	1.42E-08	4.83E-08	6.25E-08	2.20E-09	7.89E-09	1.01E-08	1.19E-09	3.66E-09	4.85E-09
1811	438516.18	3762989.65	1.43E-08	4.88E-08	6.31E-08	2.22E-09	7.97E-09	1.02E-08	1.20E-09	3.69E-09	4.89E-09
1812	438513.33	3762999.02	1.44E-08	4.92E-08	6.37E-08	2.24E-09	8.04E-09	1.03E-08	1.21E-09	3.73E-09	4.94E-09
1813	438510.49	3763008.39	1.46E-08	4.96E-08	6.42E-08	2.26E-09	8.11E-09	1.04E-08	1.22E-09	3.76E-09	4.98E-09
1814	438507.65	3763017.75	1.47E-08	5.01E-08	6.48E-08	2.28E-09	8.18E-09	1.05E-08	1.23E-09	3.79E-09	5.02E-09
1815	438504.81	3763027.12	1.48E-08	5.05E-08	6.53E-08	2.30E-09	8.25E-09	1.06E-08	1.24E-09	3.83E-09	5.07E-09
1816	438501.97	3763036.49	1.49E-08	5.09E-08	6.58E-08	2.32E-09	8.32E-09	1.06E-08	1.25E-09	3.86E-09	5.11E-09
1817	438499.13	3763045.86	1.5E-08	5.13E-08	6.63E-08	2.34E-09	8.38E-09	1.07E-08	1.26E-09	3.89E-09	5.15E-09
1818	438496.29	3763055.22	1.51E-08	5.16E-08	6.68E-08	2.35E-09	8.43E-09	1.08E-08	1.27E-09	3.91E-09	5.18E-09
1819	438493.45	3763064.59	1.52E-08	5.19E-08	6.71E-08	2.37E-09	8.48E-09	1.08E-08	1.27E-09	3.93E-09	5.21E-09
1820	438490.61	3763073.96	1.53E-08	5.21E-08	6.74E-08	2.38E-09	8.52E-09	1.09E-08	1.28E-09	3.95E-09	5.23E-09
1821	438487.77	3763083.33	1.54E-08	5.24E-08	6.77E-08	2.39E-09	8.55E-09	1.09E-08	1.29E-09	3.97E-09	5.25E-09
1822	438484.93	3763092.7	1.54E-08	5.25E-08	6.79E-08	2.39E-09	8.58E-09	1.10E-08	1.29E-09	3.98E-09	5.27E-09
1823	438482.09	3763102.06	1.54E-08	5.27E-08	6.81E-08	2.40E-09	8.60E-09	1.10E-08	1.29E-09	3.99E-09	5.28E-09
1824	438479.25	3763111.43	1.55E-08	5.28E-08	6.82E-08	2.40E-09	8.62E-09	1.10E-08	1.30E-09	4.00E-09	5.29E-09
1825	438476.41	3763120.8	1.55E-08	5.28E-08	6.83E-08	2.41E-09	8.63E-09	1.10E-08	1.30E-09	4.00E-09	5.30E-09
1826	438473.57	3763130.17	1.55E-08	5.28E-08	6.83E-08	2.41E-09	8.63E-09	1.10E-08	1.30E-09	4.00E-09	5.30E-09

1827	438470.73	3763139.53	1.55E-08	5.28E-08	6.82E-08	2.40E-09	8.62E-09	1.10E-08	1.30E-09	4.00E-09	5.29E-09
1828	438467.89	3763148.9	1.55E-08	5.28E-08	6.82E-08	2.40E-09	8.62E-09	1.10E-08	1.29E-09	4.00E-09	5.29E-09
1829	438465.05	3763158.27	1.55E-08	5.27E-08	6.82E-08	2.40E-09	8.61E-09	1.10E-08	1.29E-09	3.99E-09	5.29E-09
1830	438462.21	3763167.64	1.54E-08	5.26E-08	6.81E-08	2.40E-09	8.60E-09	1.10E-08	1.29E-09	3.99E-09	5.28E-09
1831	438459.37	3763177	1.54E-08	5.25E-08	6.78E-08	2.39E-09	8.57E-09	1.10E-08	1.29E-09	3.98E-09	5.26E-09
1832	438456.53	3763186.37	1.53E-08	5.22E-08	6.76E-08	2.38E-09	8.53E-09	1.09E-08	1.28E-09	3.96E-09	5.24E-09
1833	438453.69	3763195.74	1.52E-08	5.20E-08	6.72E-08	2.37E-09	8.49E-09	1.09E-08	1.28E-09	3.94E-09	5.21E-09
1834	438450.85	3763205.11	1.52E-08	5.17E-08	6.68E-08	2.35E-09	8.44E-09	1.08E-08	1.27E-09	3.92E-09	5.18E-09
1835	438448.01	3763214.47	1.51E-08	5.13E-08	6.64E-08	2.34E-09	8.39E-09	1.07E-08	1.26E-09	3.89E-09	5.15E-09
1836	438445.17	3763223.84	1.49E-08	5.10E-08	6.59E-08	2.32E-09	8.33E-09	1.06E-08	1.25E-09	3.86E-09	5.11E-09
1837	438442.33	3763233.21	1.48E-08	5.05E-08	6.54E-08	2.30E-09	8.26E-09	1.06E-08	1.24E-09	3.83E-09	5.07E-09
1838	438439.49	3763242.58	1.47E-08	5.01E-08	6.48E-08	2.28E-09	8.18E-09	1.05E-08	1.23E-09	3.80E-09	5.03E-09
1839	438436.65	3763251.94	1.45E-08	4.96E-08	6.42E-08	2.26E-09	8.10E-09	1.04E-08	1.22E-09	3.76E-09	4.98E-09
1840	438433.81	3763261.31	1.44E-08	4.91E-08	6.35E-08	2.24E-09	8.02E-09	1.03E-08	1.20E-09	3.72E-09	4.92E-09
1841	438430.97	3763270.68	1.42E-08	4.85E-08	6.27E-08	2.21E-09	7.92E-09	1.01E-08	1.19E-09	3.67E-09	4.86E-09
1842	438428.13	3763280.05	1.4E-08	4.79E-08	6.19E-08	2.18E-09	7.82E-09	1.00E-08	1.17E-09	3.63E-09	4.80E-09
1843	438425.29	3763289.41	1.38E-08	4.72E-08	6.10E-08	2.15E-09	7.71E-09	9.86E-09	1.16E-09	3.58E-09	4.73E-09
1844	438422.45	3763298.78	1.36E-08	4.64E-08	6.00E-08	2.12E-09	7.58E-09	9.70E-09	1.14E-09	3.52E-09	4.66E-09
1845	438419.61	3763308.15	1.34E-08	4.56E-08	5.90E-08	2.08E-09	7.46E-09	9.54E-09	1.12E-09	3.46E-09	4.58E-09
1846	438416.77	3763317.52	1.32E-08	4.51E-08	5.83E-08	2.05E-09	7.36E-09	9.41E-09	1.11E-09	3.41E-09	4.52E-09
1847	438413.92	3763326.88	1.3E-08	4.42E-08	5.72E-08	2.02E-09	7.23E-09	9.24E-09	1.09E-09	3.35E-09	4.44E-09
1848	438411.08	3763336.25	1.27E-08	4.34E-08	5.61E-08	1.98E-09	7.09E-09	9.07E-09	1.07E-09	3.29E-09	4.36E-09
1849	438408.24	3763345.62	1.25E-08	4.26E-08	5.50E-08	1.94E-09	6.95E-09	8.89E-09	1.04E-09	3.22E-09	4.27E-09
1850	438405.4	3763354.99	1.22E-08	4.17E-08	5.39E-08	1.90E-09	6.81E-09	8.71E-09	1.02E-09	3.16E-09	4.18E-09
1851	438402.56	3763364.35	1.2E-08	4.08E-08	5.27E-08	1.86E-09	6.66E-09	8.52E-09	1.00E-09	3.09E-09	4.09E-09
1852	438399.72	3763373.72	1.17E-08	3.99E-08	5.16E-08	1.82E-09	6.51E-09	8.33E-09	9.79E-10	3.02E-09	4.00E-09
1853	438396.88	3763383.09	1.14E-08	3.90E-08	5.04E-08	1.78E-09	6.36E-09	8.14E-09	9.56E-10	2.95E-09	3.91E-09
1854	438394.04	3763392.46	1.12E-08	3.80E-08	4.92E-08	1.73E-09	6.22E-09	7.95E-09	9.34E-10	2.88E-09	3.82E-09
1855	438391.2	3763401.82	1.09E-08	3.71E-08	4.80E-08	1.69E-09	6.07E-09	7.76E-09	9.11E-10	2.81E-09	3.72E-09
1856	438555.94	3762858.51	1.19E-08	4.07E-08	5.26E-08	1.85E-09	6.65E-09	8.50E-09	9.99E-10	3.08E-09	4.08E-09
1857	438555.95	3762848.7	1.18E-08	4.03E-08	5.21E-08	1.83E-09	6.58E-09	8.41E-09	9.88E-10	3.05E-09	4.04E-09
1858	438555.97	3762838.89	1.17E-08	3.98E-08	5.15E-08	1.81E-09	6.51E-09	8.32E-09	9.78E-10	3.02E-09	4.00E-09
1859	438555.98	3762829.08	1.16E-08	3.94E-08	5.10E-08	1.80E-09	6.44E-09	8.23E-09	9.67E-10	2.99E-09	3.95E-09
1860	438556	3762819.27	1.14E-08	3.90E-08	5.04E-08	1.78E-09	6.37E-09	8.14E-09	9.57E-10	2.95E-09	3.91E-09
1861	438556.01	3762809.46	1.13E-08	3.85E-08	4.98E-08	1.75E-09	6.29E-09	8.04E-09	9.45E-10	2.92E-09	3.86E-09
1862	438556.02	3762799.65	1.11E-08	3.80E-08	4.91E-08	1.73E-09	6.21E-09	7.94E-09	9.32E-10	2.88E-09	3.81E-09
1863	438556.04	3762789.84	1.1E-08	3.75E-08	4.85E-08	1.71E-09	6.12E-09	7.83E-09	9.20E-10	2.84E-09	3.76E-09
1864	438556.05	3762780.03	1.08E-08	3.69E-08	4.78E-08	1.68E-09	6.03E-09	7.72E-09	9.07E-10	2.80E-09	3.71E-09
1865	438556.07	3762770.22	1.07E-08	3.64E-08	4.71E-08	1.66E-09	5.95E-09	7.60E-09	8.93E-10	2.76E-09	3.65E-09
1866	438556.08	3762760.41	1.05E-08	3.58E-08	4.64E-08	1.63E-09	5.86E-09	7.49E-09	8.80E-10	2.72E-09	3.60E-09
1867	438556.1	3762750.6	1.03E-08	3.53E-08	4.56E-08	1.61E-09	5.76E-09	7.37E-09	8.66E-10	2.67E-09	3.54E-09
1868	438556.11	3762740.79	1.02E-08	3.47E-08	4.49E-08	1.58E-09	5.67E-09	7.26E-09	8.52E-10	2.63E-09	3.48E-09
1869	438556.12	3762730.99	1E-08	3.42E-08	4.42E-08	1.56E-09	5.58E-09	7.14E-09	8.39E-10	2.59E-09	3.43E-09
1870	438556.14	3762721.18	9.85E-09	3.36E-08	4.35E-08	1.53E-09	5.49E-09	7.02E-09	8.25E-10	2.55E-09	3.37E-09
1871	437546.75	3762709.72	7.14E-07	2.43E-06	3.15E-06	1.11E-07	3.98E-07	5.08E-07	5.97E-08	1.84E-07	2.44E-07
1872	437537.36	3762709.72	7.59E-07	2.59E-06	3.35E-06	1.18E-07	4.23E-07	5.41E-07	6.36E-08	1.96E-07	2.60E-07
1873	437527.97	3762709.72	7.95E-07	2.71E-06	3.50E-06	1.23E-07	4.43E-07	5.66E-07	6.65E-08	2.05E-07	2.72E-07
1874	437518.58	3762709.72	8.2E-07	2.80E-06	3.62E-06	1.27E-07	4.57E-07	5.84E-07	6.87E-08	2.12E-07	2.81E-07
1875	437509.18	3762709.72	8.31E-07	2.84E-06	3.67E-06	1.29E-07	4.63E-07	5.92E-07	6.96E-08	2.15E-07	2.84E-07
1876	437499.79	3762709.73	8.36E-07	2.85E-06	3.69E-06	1.30E-07	4.66E-07	5.96E-07	7.00E-08	2.16E-07	2.86E-07
1877	437490.4	3762709.73	8.34E-07	2.84E-06	3.68E-06	1.30E-07	4.65E-07	5.94E-07	6.98E-08	2.16E-07	2.85E-07
1878	437481.01	3762709.73	8.22E-07	2.80E-06	3.63E-06	1.28E-07	4.58E-07	5.86E-07	6.88E-08	2.12E-07	2.81E-07
1879	437471.62	3762709.73	8.05E-07	2.74E-06	3.55E-06	1.25E-07	4.48E-07	5.73E-07	6.74E-08	2.08E-07	2.75E-07
1880	437462.23	3762709.73	7.83E-07	2.67E-06	3.45E-06	1.22E-07	4.36E-07	5.58E-07	6.55E-08	2.02E-07	2.68E-07
1881	437452.84	3762709.73	7.58E-07	2.59E-06	3.34E-06	1.18E-07	4.22E-07	5.40E-07	6.35E-08	1.96E-07	2.59E-07
1882	437546.75	3762699.72	5.15E-07	1.75E-06	2.27E-06	8.00E-08	2.87E-07	3.67E-07	4.31E-08	1.33E-07	1.76E-07
1883	437537.36	3762699.72	5.41E-07	1.84E-06	2.39E-06	8.41E-08	3.01E-07	3.85E-07	4.53E-08	1.40E-07	1.85E-07
1884	437527.97	3762699.72	5.62E-07	1.92E-06	2.48E-06	8.74E-08	3.13E-07	4.01E-07	4.71E-08	1.45E-07	1.92E-07
1885	437518.57	3762699.72	5.78E-07	1.97E-06	2.55E-06	8.98E-08	3.22E-07	4.12E-07	4.84E-08	1.49E-07	1.98E-07
1886	437509.18	3762699.72	5.85E-07	1.99E-06	2.58E-06	9.09E-08	3.26E-07	4.17E-07	4.90E-08	1.51E-07	2.00E-07
1887	437499.79	3762699.73	5.87E-07	2.00E-06	2.59E-06	9.13E-08	3.27E-07	4.18E-07	4.92E-08	1.52E-07	2.01E-07

1888	437490.4	3762699.73	5.86E-07	2.00E-06	2.58E-06	9.10E-08	3.26E-07	4.17E-07	4.90E-08	1.51E-07	2.00E-07
1889	437481.01	3762699.73	5.79E-07	1.97E-06	2.55E-06	8.99E-08	3.22E-07	4.12E-07	4.84E-08	1.50E-07	1.98E-07
1890	437471.62	3762699.73	5.68E-07	1.94E-06	2.50E-06	8.82E-08	3.16E-07	4.05E-07	4.75E-08	1.47E-07	1.94E-07
1891	437462.23	3762699.73	5.53E-07	1.89E-06	2.44E-06	8.60E-08	3.08E-07	3.94E-07	4.63E-08	1.43E-07	1.89E-07
1892	437452.84	3762699.73	5.34E-07	1.82E-06	2.36E-06	8.30E-08	2.98E-07	3.81E-07	4.47E-08	1.38E-07	1.83E-07
1893	437546.75	3762689.72	3.9E-07	1.33E-06	1.72E-06	6.05E-08	2.17E-07	2.78E-07	3.26E-08	1.01E-07	1.33E-07
1894	437537.36	3762689.72	4.05E-07	1.38E-06	1.79E-06	6.30E-08	2.26E-07	2.89E-07	3.39E-08	1.05E-07	1.39E-07
1895	437527.96	3762689.72	4.18E-07	1.43E-06	1.84E-06	6.49E-08	2.33E-07	2.98E-07	3.50E-08	1.08E-07	1.43E-07
1896	437518.57	3762689.72	4.27E-07	1.46E-06	1.88E-06	6.64E-08	2.38E-07	3.04E-07	3.58E-08	1.10E-07	1.46E-07
1897	437509.18	3762689.72	4.31E-07	1.47E-06	1.90E-06	6.70E-08	2.40E-07	3.07E-07	3.61E-08	1.11E-07	1.48E-07
1898	437499.79	3762689.73	4.33E-07	1.48E-06	1.91E-06	6.72E-08	2.41E-07	3.08E-07	3.62E-08	1.12E-07	1.48E-07
1899	437490.4	3762689.73	4.31E-07	1.47E-06	1.90E-06	6.69E-08	2.40E-07	3.07E-07	3.61E-08	1.11E-07	1.47E-07
1900	437481.01	3762689.73	4.26E-07	1.45E-06	1.88E-06	6.62E-08	2.37E-07	3.04E-07	3.57E-08	1.10E-07	1.46E-07
1901	437471.62	3762689.73	4.19E-07	1.43E-06	1.85E-06	6.51E-08	2.33E-07	2.98E-07	3.51E-08	1.08E-07	1.43E-07
1902	437462.23	3762689.73	4.09E-07	1.39E-06	1.80E-06	6.35E-08	2.28E-07	2.91E-07	3.42E-08	1.06E-07	1.40E-07
1903	437452.84	3762689.73	3.95E-07	1.35E-06	1.74E-06	6.13E-08	2.20E-07	2.81E-07	3.30E-08	1.02E-07	1.35E-07
1904	437546.75	3762679.72	3.07E-07	1.05E-06	1.35E-06	4.76E-08	1.71E-07	2.18E-07	2.57E-08	7.92E-08	1.05E-07
1905	437537.35	3762679.72	3.15E-07	1.08E-06	1.39E-06	4.90E-08	1.76E-07	2.25E-07	2.64E-08	8.15E-08	1.08E-07
1906	437527.96	3762679.72	3.22E-07	1.10E-06	1.42E-06	5.01E-08	1.80E-07	2.30E-07	2.70E-08	8.33E-08	1.10E-07
1907	437518.57	3762679.72	3.27E-07	1.12E-06	1.44E-06	5.08E-08	1.82E-07	2.33E-07	2.74E-08	8.45E-08	1.12E-07
1908	437509.18	3762679.72	3.3E-07	1.12E-06	1.45E-06	5.12E-08	1.84E-07	2.35E-07	2.76E-08	8.52E-08	1.13E-07
1909	437499.79	3762679.73	3.31E-07	1.13E-06	1.46E-06	5.14E-08	1.84E-07	2.35E-07	2.77E-08	8.54E-08	1.13E-07
1910	437490.4	3762679.73	3.29E-07	1.12E-06	1.45E-06	5.11E-08	1.83E-07	2.35E-07	2.75E-08	8.51E-08	1.13E-07
1911	437481.01	3762679.73	3.26E-07	1.11E-06	1.44E-06	5.06E-08	1.82E-07	2.32E-07	2.73E-08	8.42E-08	1.11E-07
1912	437471.62	3762679.73	3.21E-07	1.09E-06	1.41E-06	4.98E-08	1.79E-07	2.28E-07	2.68E-08	8.28E-08	1.10E-07
1913	437462.23	3762679.73	3.13E-07	1.07E-06	1.38E-06	4.87E-08	1.75E-07	2.23E-07	2.62E-08	8.10E-08	1.07E-07
1914	437452.84	3762679.73	3.03E-07	1.03E-06	1.34E-06	4.71E-08	1.69E-07	2.16E-07	2.54E-08	7.84E-08	1.04E-07
1915	437546.74	3762669.72	2.48E-07	8.44E-07	1.09E-06	3.85E-08	1.38E-07	1.76E-07	2.07E-08	6.40E-08	8.47E-08
1916	437537.35	3762669.72	2.53E-07	8.61E-07	1.11E-06	3.92E-08	1.41E-07	1.80E-07	2.11E-08	6.53E-08	8.64E-08
1917	437527.96	3762669.72	2.56E-07	8.73E-07	1.13E-06	3.98E-08	1.43E-07	1.82E-07	2.14E-08	6.62E-08	8.76E-08
1918	437518.57	3762669.72	2.58E-07	8.81E-07	1.14E-06	4.02E-08	1.44E-07	1.84E-07	2.16E-08	6.68E-08	8.84E-08
1919	437509.18	3762669.72	2.6E-07	8.87E-07	1.15E-06	4.04E-08	1.45E-07	1.85E-07	2.18E-08	6.72E-08	8.90E-08
1920	437499.79	3762669.73	2.6E-07	8.88E-07	1.15E-06	4.05E-08	1.45E-07	1.86E-07	2.18E-08	6.73E-08	8.91E-08
1921	437490.4	3762669.73	2.59E-07	8.84E-07	1.14E-06	4.03E-08	1.44E-07	1.85E-07	2.17E-08	6.70E-08	8.87E-08
1922	437481.01	3762669.73	2.57E-07	8.76E-07	1.13E-06	3.99E-08	1.43E-07	1.83E-07	2.15E-08	6.64E-08	8.78E-08
1923	437471.62	3762669.73	2.53E-07	8.62E-07	1.11E-06	3.93E-08	1.41E-07	1.80E-07	2.12E-08	6.53E-08	8.65E-08
1924	437462.23	3762669.73	2.47E-07	8.44E-07	1.09E-06	3.84E-08	1.38E-07	1.76E-07	2.07E-08	6.39E-08	8.46E-08
1925	437452.84	3762669.73	2.4E-07	8.19E-07	1.06E-06	3.73E-08	1.34E-07	1.71E-07	2.01E-08	6.20E-08	8.21E-08
1926	437443.45	3762669.73	2.31E-07	7.89E-07	1.02E-06	3.59E-08	1.29E-07	1.65E-07	1.94E-08	5.98E-08	7.91E-08
1927	437581.61	3762670.28	2.19E-07	7.45E-07	9.64E-07	3.40E-08	1.22E-07	1.56E-07	1.83E-08	5.65E-08	7.47E-08
1928	437590.1	3762673.8	2.23E-07	7.61E-07	9.84E-07	3.47E-08	1.24E-07	1.59E-07	1.87E-08	5.76E-08	7.63E-08
1929	437546.74	3762659.72	2.04E-07	6.95E-07	8.99E-07	3.17E-08	1.14E-07	1.45E-07	1.71E-08	5.27E-08	6.98E-08
1930	437537.35	3762659.72	2.07E-07	7.05E-07	9.12E-07	3.21E-08	1.15E-07	1.47E-07	1.73E-08	5.34E-08	7.07E-08
1931	437527.96	3762659.72	2.09E-07	7.11E-07	9.20E-07	3.24E-08	1.16E-07	1.49E-07	1.75E-08	5.39E-08	7.14E-08
1932	437518.57	3762659.72	2.09E-07	7.14E-07	9.24E-07	3.25E-08	1.17E-07	1.49E-07	1.75E-08	5.41E-08	7.17E-08
1933	437509.18	3762659.72	2.1E-07	7.18E-07	9.28E-07	3.27E-08	1.17E-07	1.50E-07	1.76E-08	5.44E-08	7.20E-08
1934	437499.79	3762659.73	2.1E-07	7.18E-07	9.28E-07	3.27E-08	1.17E-07	1.50E-07	1.76E-08	5.44E-08	7.20E-08
1935	437490.4	3762659.73	2.09E-07	7.14E-07	9.24E-07	3.25E-08	1.17E-07	1.49E-07	1.75E-08	5.41E-08	7.16E-08
1936	437481.01	3762659.73	2.07E-07	7.07E-07	9.14E-07	3.22E-08	1.15E-07	1.48E-07	1.74E-08	5.36E-08	7.09E-08
1937	437471.62	3762659.73	2.04E-07	6.96E-07	9.01E-07	3.17E-08	1.14E-07	1.45E-07	1.71E-08	5.28E-08	6.99E-08
1938	437462.23	3762659.73	2E-07	6.82E-07	8.82E-07	3.11E-08	1.11E-07	1.42E-07	1.67E-08	5.17E-08	6.84E-08
1939	437452.84	3762659.73	1.94E-07	6.63E-07	8.58E-07	3.02E-08	1.08E-07	1.39E-07	1.63E-08	5.03E-08	6.65E-08
1940	437443.44	3762659.73	1.88E-07	6.41E-07	8.29E-07	2.92E-08	1.05E-07	1.34E-07	1.57E-08	4.86E-08	6.43E-08
1941	437597.42	3762666.83	1.92E-07	6.55E-07	8.47E-07	2.98E-08	1.07E-07	1.37E-07	1.61E-08	4.96E-08	6.57E-08
1942	437546.74	3762649.72	1.71E-07	5.82E-07	7.53E-07	2.65E-08	9.51E-08	1.22E-07	1.43E-08	4.41E-08	5.84E-08
1943	437537.35	3762649.72	1.73E-07	5.89E-07	7.61E-07	2.68E-08	9.62E-08	1.23E-07	1.44E-08	4.46E-08	5.90E-08
1944	437527.96	3762649.72	1.74E-07	5.92E-07	7.66E-07	2.70E-08	9.68E-08	1.24E-07	1.45E-08	4.49E-08	5.94E-08
1945	437518.57	3762649.72	1.74E-07	5.94E-07	7.68E-07	2.70E-08	9.70E-08	1.24E-07	1.46E-08	4.50E-08	5.96E-08
1946	437509.18	3762649.72	1.74E-07	5.95E-07	7.69E-07	2.71E-08	9.72E-08	1.24E-07	1.46E-08	4.51E-08	5.97E-08
1947	437499.79	3762649.73	1.74E-07	5.94E-07	7.68E-07	2.71E-08	9.70E-08	1.24E-07	1.46E-08	4.50E-08	5.96E-08
1948	437490.4	3762649.73	1.73E-07	5.90E-07	7.63E-07	2.69E-08	9.64E-08	1.23E-07	1.45E-08	4.47E-08	5.92E-08

1949	437481.01	3762649.73	1.71E-07	5.84E-07	7.55E-07	2.66E-08	9.53E-08	1.22E-07	1.43E-08	4.42E-08	5.85E-08
1950	437471.62	3762649.73	1.69E-07	5.75E-07	7.43E-07	2.62E-08	9.39E-08	1.20E-07	1.41E-08	4.36E-08	5.77E-08
1951	437462.23	3762649.73	1.65E-07	5.63E-07	7.28E-07	2.57E-08	9.20E-08	1.18E-07	1.38E-08	4.27E-08	5.65E-08
1952	437452.83	3762649.73	1.61E-07	5.49E-07	7.09E-07	2.50E-08	8.96E-08	1.15E-07	1.35E-08	4.16E-08	5.50E-08
1953	437443.44	3762649.73	1.56E-07	5.32E-07	6.87E-07	2.42E-08	8.68E-08	1.11E-07	1.30E-08	4.03E-08	5.33E-08
1954	437596.57	3762656.48	1.64E-07	5.61E-07	7.25E-07	2.55E-08	9.16E-08	1.17E-07	1.38E-08	4.25E-08	5.62E-08
1955	437616.09	3762671.28	1.86E-07	6.36E-07	8.22E-07	2.90E-08	1.04E-07	1.33E-07	1.56E-08	4.82E-08	6.38E-08
1956	437546.74	3762639.72	1.45E-07	4.94E-07	6.39E-07	2.25E-08	8.07E-08	1.03E-07	1.21E-08	3.74E-08	4.96E-08
1957	437537.35	3762639.72	1.46E-07	4.98E-07	6.44E-07	2.27E-08	8.14E-08	1.04E-07	1.22E-08	3.78E-08	5.00E-08
1958	437527.96	3762639.72	1.47E-07	5.00E-07	6.47E-07	2.28E-08	8.17E-08	1.05E-07	1.23E-08	3.79E-08	5.02E-08
1959	437518.57	3762639.72	1.47E-07	5.01E-07	6.47E-07	2.28E-08	8.18E-08	1.05E-07	1.23E-08	3.79E-08	5.02E-08
1960	437509.18	3762639.72	1.47E-07	5.00E-07	6.47E-07	2.28E-08	8.18E-08	1.05E-07	1.23E-08	3.79E-08	5.02E-08
1961	437499.79	3762639.73	1.46E-07	4.99E-07	6.45E-07	2.27E-08	8.15E-08	1.04E-07	1.22E-08	3.78E-08	5.00E-08
1962	437490.4	3762639.73	1.45E-07	4.95E-07	6.40E-07	2.25E-08	8.08E-08	1.03E-07	1.21E-08	3.75E-08	4.96E-08
1963	437481.01	3762639.73	1.43E-07	4.89E-07	6.33E-07	2.23E-08	7.99E-08	1.02E-07	1.20E-08	3.71E-08	4.91E-08
1964	437471.62	3762639.73	1.41E-07	4.82E-07	6.23E-07	2.20E-08	7.87E-08	1.01E-07	1.18E-08	3.65E-08	4.83E-08
1965	437462.22	3762639.73	1.38E-07	4.72E-07	6.11E-07	2.15E-08	7.71E-08	9.87E-08	1.16E-08	3.58E-08	4.74E-08
1966	437452.83	3762639.73	1.35E-07	4.60E-07	5.95E-07	2.10E-08	7.52E-08	9.62E-08	1.13E-08	3.49E-08	4.62E-08
1967	437443.44	3762639.73	1.31E-07	4.47E-07	5.78E-07	2.04E-08	7.30E-08	9.34E-08	1.10E-08	3.39E-08	4.48E-08
1968	437595.94	3762646.22	1.42E-07	4.84E-07	6.26E-07	2.21E-08	7.91E-08	1.01E-07	1.19E-08	3.67E-08	4.86E-08
1969	437611.86	3762652.82	1.46E-07	4.99E-07	6.46E-07	2.28E-08	8.16E-08	1.04E-07	1.23E-08	3.78E-08	5.01E-08
1970	437623.11	3762664.09	1.62E-07	5.52E-07	7.14E-07	2.52E-08	9.02E-08	1.15E-07	1.36E-08	4.18E-08	5.54E-08
1971	437546.74	3762629.72	1.24E-07	4.24E-07	5.49E-07	1.93E-08	6.93E-08	8.86E-08	1.04E-08	3.21E-08	4.26E-08
1972	437537.35	3762629.72	1.25E-07	4.27E-07	5.52E-07	1.94E-08	6.97E-08	8.92E-08	1.05E-08	3.23E-08	4.28E-08
1973	437527.96	3762629.72	1.25E-07	4.28E-07	5.53E-07	1.95E-08	6.99E-08	8.94E-08	1.05E-08	3.24E-08	4.29E-08
1974	437518.57	3762629.72	1.25E-07	4.27E-07	5.53E-07	1.95E-08	6.98E-08	8.93E-08	1.05E-08	3.24E-08	4.29E-08
1975	437509.18	3762629.72	1.25E-07	4.26E-07	5.52E-07	1.94E-08	6.97E-08	8.91E-08	1.05E-08	3.23E-08	4.28E-08
1976	437499.79	3762629.73	1.24E-07	4.24E-07	5.49E-07	1.93E-08	6.93E-08	8.86E-08	1.04E-08	3.21E-08	4.26E-08
1977	437490.4	3762629.73	1.23E-07	4.20E-07	5.44E-07	1.92E-08	6.87E-08	8.78E-08	1.03E-08	3.19E-08	4.22E-08
1978	437481.01	3762629.73	1.22E-07	4.16E-07	5.38E-07	1.89E-08	6.79E-08	8.68E-08	1.02E-08	3.15E-08	4.17E-08
1979	437471.61	3762629.73	1.2E-07	4.09E-07	5.29E-07	1.86E-08	6.68E-08	8.55E-08	1.00E-08	3.10E-08	4.10E-08
1980	437462.22	3762629.73	1.18E-07	4.01E-07	5.19E-07	1.83E-08	6.55E-08	8.38E-08	9.85E-09	3.04E-08	4.02E-08
1981	437452.83	3762629.73	1.15E-07	3.91E-07	5.06E-07	1.78E-08	6.39E-08	8.18E-08	9.61E-09	2.97E-08	3.93E-08
1982	437443.44	3762629.73	1.12E-07	3.81E-07	4.92E-07	1.73E-08	6.22E-08	7.95E-08	9.34E-09	2.88E-08	3.82E-08
1983	437595.45	3762636.02	1.24E-07	4.22E-07	5.45E-07	1.92E-08	6.89E-08	8.81E-08	1.03E-08	3.19E-08	4.23E-08
1984	437611.17	3762642.54	1.28E-07	4.36E-07	5.64E-07	1.99E-08	7.12E-08	9.11E-08	1.07E-08	3.30E-08	4.37E-08
1985	437630.15	3762656.93	1.42E-07	4.84E-07	6.26E-07	2.21E-08	7.91E-08	1.01E-07	1.19E-08	3.67E-08	4.86E-08
1986	437636.65	3762672.66	1.69E-07	5.75E-07	7.44E-07	2.62E-08	9.40E-08	1.20E-07	1.41E-08	4.36E-08	5.77E-08
1987	437546.74	3762619.72	1.08E-07	3.68E-07	4.76E-07	1.68E-08	6.01E-08	7.68E-08	9.03E-09	2.79E-08	3.69E-08
1988	437537.35	3762619.72	1.08E-07	3.69E-07	4.78E-07	1.68E-08	6.03E-08	7.72E-08	9.07E-09	2.80E-08	3.71E-08
1989	437527.96	3762619.72	1.08E-07	3.70E-07	4.78E-07	1.68E-08	6.04E-08	7.73E-08	9.08E-09	2.80E-08	3.71E-08
1990	437518.57	3762619.72	1.08E-07	3.69E-07	4.77E-07	1.68E-08	6.03E-08	7.71E-08	9.06E-09	2.80E-08	3.70E-08
1991	437509.18	3762619.72	1.08E-07	3.68E-07	4.76E-07	1.68E-08	6.01E-08	7.68E-08	9.03E-09	2.79E-08	3.69E-08
1992	437499.79	3762619.73	1.07E-07	3.65E-07	4.73E-07	1.66E-08	5.97E-08	7.63E-08	8.97E-09	2.77E-08	3.67E-08
1993	437490.4	3762619.73	1.06E-07	3.62E-07	4.68E-07	1.65E-08	5.91E-08	7.56E-08	8.88E-09	2.74E-08	3.63E-08
1994	437481	3762619.73	1.05E-07	3.57E-07	4.62E-07	1.63E-08	5.83E-08	7.46E-08	8.77E-09	2.71E-08	3.58E-08
1995	437471.61	3762619.73	1.03E-07	3.51E-07	4.54E-07	1.60E-08	5.74E-08	7.34E-08	8.63E-09	2.66E-08	3.53E-08
1996	437462.22	3762619.73	1.01E-07	3.45E-07	4.46E-07	1.57E-08	5.63E-08	7.20E-08	8.46E-09	2.61E-08	3.46E-08
1997	437452.83	3762619.73	9.87E-08	3.37E-07	4.35E-07	1.53E-08	5.50E-08	7.03E-08	8.26E-09	2.55E-08	3.38E-08
1998	437443.44	3762619.73	9.61E-08	3.28E-07	4.24E-07	1.49E-08	5.35E-08	6.85E-08	8.04E-09	2.48E-08	3.29E-08
1999	437590.1	3762613.8	9.41E-08	3.21E-07	4.15E-07	1.46E-08	5.24E-08	6.71E-08	7.88E-09	2.43E-08	3.22E-08
2000	437598.59	3762617.32	9.64E-08	3.29E-07	4.25E-07	1.50E-08	5.37E-08	6.87E-08	8.07E-09	2.49E-08	3.30E-08
2001	437607.08	3762620.84	9.85E-08	3.36E-07	4.34E-07	1.53E-08	5.49E-08	7.02E-08	8.24E-09	2.55E-08	3.37E-08
2002	437615.57	3762624.36	1E-07	3.42E-07	4.42E-07	1.56E-08	5.59E-08	7.14E-08	8.39E-09	2.59E-08	3.43E-08
2003	437624.07	3762627.88	1.02E-07	3.47E-07	4.49E-07	1.58E-08	5.67E-08	7.25E-08	8.51E-09	2.63E-08	3.48E-08
2004	437632.56	3762631.4	1.03E-07	3.51E-07	4.54E-07	1.60E-08	5.73E-08	7.33E-08	8.61E-09	2.66E-08	3.52E-08
2005	437644.56	3762643.42	1.13E-07	3.84E-07	4.97E-07	1.75E-08	6.28E-08	8.03E-08	9.43E-09	2.91E-08	3.86E-08
2006	437648.07	3762651.92	1.23E-07	4.18E-07	5.40E-07	1.90E-08	6.82E-08	8.73E-08	1.03E-08	3.17E-08	4.19E-08
2007	437651.58	3762660.42	1.33E-07	4.54E-07	5.87E-07	2.07E-08	7.42E-08	9.49E-08	1.11E-08	3.44E-08	4.55E-08
2008	437655.09	3762668.91	1.45E-07	4.94E-07	6.39E-07	2.25E-08	8.07E-08	1.03E-07	1.21E-08	3.74E-08	4.95E-08
2009	437665.61	3762694.4	1.84E-07	6.29E-07	8.13E-07	2.86E-08	1.03E-07	1.31E-07	1.54E-08	4.76E-08	6.31E-08

2010	437669.12	3762702.9	1.99E-07	6.77E-07	8.75E-07	3.08E-08	1.11E-07	1.41E-07	1.66E-08	5.13E-08	6.79E-08
2011	437672.63	3762711.4	2.13E-07	7.26E-07	9.39E-07	3.31E-08	1.19E-07	1.52E-07	1.78E-08	5.50E-08	7.28E-08
2012	437546.74	3762599.72	8.3E-08	2.83E-07	3.66E-07	1.29E-08	4.63E-08	5.92E-08	6.95E-09	2.15E-08	2.84E-08
2013	437537.35	3762599.72	8.32E-08	2.84E-07	3.67E-07	1.29E-08	4.63E-08	5.92E-08	6.96E-09	2.15E-08	2.84E-08
2014	437527.96	3762599.72	8.31E-08	2.83E-07	3.66E-07	1.29E-08	4.63E-08	5.92E-08	6.95E-09	2.15E-08	2.84E-08
2015	437518.57	3762599.72	8.27E-08	2.82E-07	3.65E-07	1.29E-08	4.61E-08	5.89E-08	6.93E-09	2.14E-08	2.83E-08
2016	437509.18	3762599.72	8.22E-08	2.80E-07	3.63E-07	1.28E-08	4.58E-08	5.86E-08	6.88E-09	2.12E-08	2.81E-08
2017	437499.78	3762599.73	8.15E-08	2.78E-07	3.60E-07	1.27E-08	4.54E-08	5.81E-08	6.82E-09	2.11E-08	2.79E-08
2018	437490.39	3762599.73	8.06E-08	2.75E-07	3.56E-07	1.25E-08	4.49E-08	5.74E-08	6.75E-09	2.08E-08	2.76E-08
2019	437481	3762599.73	7.95E-08	2.71E-07	3.51E-07	1.24E-08	4.43E-08	5.66E-08	6.65E-09	2.05E-08	2.72E-08
2020	437471.61	3762599.73	7.82E-08	2.67E-07	3.45E-07	1.22E-08	4.36E-08	5.57E-08	6.55E-09	2.02E-08	2.68E-08
2021	437462.22	3762599.73	7.67E-08	2.62E-07	3.38E-07	1.19E-08	4.27E-08	5.47E-08	6.42E-09	1.98E-08	2.62E-08
2022	437452.83	3762599.73	7.51E-08	2.56E-07	3.31E-07	1.17E-08	4.18E-08	5.35E-08	6.28E-09	1.94E-08	2.57E-08
2023	437443.44	3762599.73	7.33E-08	2.50E-07	3.23E-07	1.14E-08	4.08E-08	5.22E-08	6.14E-09	1.89E-08	2.51E-08
2024	437597.41	3762596.83	7.62E-08	2.60E-07	3.36E-07	1.18E-08	4.24E-08	5.43E-08	6.38E-09	1.97E-08	2.61E-08
2025	437613.92	3762603.68	7.95E-08	2.71E-07	3.50E-07	1.23E-08	4.43E-08	5.66E-08	6.65E-09	2.05E-08	2.72E-08
2026	437630.43	3762610.52	8.2E-08	2.80E-07	3.62E-07	1.27E-08	4.57E-08	5.84E-08	6.86E-09	2.12E-08	2.81E-08
2027	437646.95	3762617.37	8.38E-08	2.86E-07	3.70E-07	1.30E-08	4.67E-08	5.97E-08	7.01E-09	2.17E-08	2.87E-08
2028	437658.61	3762629.05	9.09E-08	3.10E-07	4.01E-07	1.41E-08	5.06E-08	6.47E-08	7.60E-09	2.35E-08	3.11E-08
2029	437665.44	3762645.58	1.05E-07	3.59E-07	4.64E-07	1.64E-08	5.87E-08	7.50E-08	8.82E-09	2.72E-08	3.60E-08
2030	437672.26	3762662.1	1.22E-07	4.16E-07	5.38E-07	1.90E-08	6.80E-08	8.69E-08	1.02E-08	3.15E-08	4.17E-08
2031	437679.08	3762678.62	1.41E-07	4.81E-07	6.22E-07	2.19E-08	7.86E-08	1.01E-07	1.18E-08	3.65E-08	4.83E-08
2032	437682.49	3762686.88	1.51E-07	5.16E-07	6.67E-07	2.35E-08	8.43E-08	1.08E-07	1.27E-08	3.91E-08	5.17E-08
2033	437689.32	3762703.4	1.72E-07	5.88E-07	7.60E-07	2.68E-08	9.60E-08	1.23E-07	1.44E-08	4.45E-08	5.89E-08
2034	437546.74	3762579.72	6.56E-08	2.24E-07	2.89E-07	1.02E-08	3.66E-08	4.68E-08	5.49E-09	1.70E-08	2.24E-08
2035	437537.35	3762579.72	6.55E-08	2.24E-07	2.89E-07	1.02E-08	3.65E-08	4.67E-08	5.49E-09	1.69E-08	2.24E-08
2036	437527.96	3762579.72	6.53E-08	2.23E-07	2.88E-07	1.01E-08	3.64E-08	4.65E-08	5.47E-09	1.69E-08	2.23E-08
2037	437518.56	3762579.72	6.49E-08	2.21E-07	2.86E-07	1.01E-08	3.62E-08	4.63E-08	5.44E-09	1.68E-08	2.22E-08
2038	437509.17	3762579.72	6.44E-08	2.20E-07	2.84E-07	1.00E-08	3.59E-08	4.59E-08	5.39E-09	1.66E-08	2.20E-08
2039	437499.78	3762579.73	6.38E-08	2.18E-07	2.81E-07	9.91E-09	3.55E-08	4.54E-08	5.34E-09	1.65E-08	2.18E-08
2040	437490.39	3762579.73	6.3E-08	2.15E-07	2.78E-07	9.79E-09	3.51E-08	4.49E-08	5.27E-09	1.63E-08	2.16E-08
2041	437481	3762579.73	6.21E-08	2.12E-07	2.74E-07	9.65E-09	3.46E-08	4.43E-08	5.20E-09	1.61E-08	2.13E-08
2042	437471.61	3762579.73	6.11E-08	2.08E-07	2.70E-07	9.50E-09	3.41E-08	4.36E-08	5.12E-09	1.58E-08	2.09E-08
2043	437462.22	3762579.73	6E-08	2.05E-07	2.65E-07	9.33E-09	3.35E-08	4.28E-08	5.03E-09	1.55E-08	2.05E-08
2044	437452.83	3762579.73	5.89E-08	2.01E-07	2.60E-07	9.15E-09	3.28E-08	4.19E-08	4.93E-09	1.52E-08	2.01E-08
2045	437443.44	3762579.73	5.76E-08	1.96E-07	2.54E-07	8.95E-09	3.21E-08	4.10E-08	4.82E-09	1.49E-08	1.97E-08
2046	437596.56	3762576.48	6.14E-08	2.09E-07	2.71E-07	9.54E-09	3.42E-08	4.38E-08	5.14E-09	1.59E-08	2.10E-08
2047	437612.74	3762583.19	6.42E-08	2.19E-07	2.83E-07	9.97E-09	3.58E-08	4.57E-08	5.37E-09	1.66E-08	2.20E-08
2048	437628.92	3762589.9	6.65E-08	2.27E-07	2.93E-07	1.03E-08	3.70E-08	4.74E-08	5.56E-09	1.72E-08	2.27E-08
2049	437645.09	3762596.6	6.83E-08	2.33E-07	3.01E-07	1.06E-08	3.80E-08	4.86E-08	5.71E-09	1.76E-08	2.34E-08
2050	437661.27	3762603.31	6.96E-08	2.37E-07	3.07E-07	1.08E-08	3.87E-08	4.96E-08	5.82E-09	1.80E-08	2.38E-08
2051	437672.7	3762614.75	7.48E-08	2.55E-07	3.30E-07	1.16E-08	4.17E-08	5.33E-08	6.26E-09	1.93E-08	2.56E-08
2052	437679.38	3762630.94	8.54E-08	2.91E-07	3.76E-07	1.33E-08	4.76E-08	6.08E-08	7.15E-09	2.21E-08	2.92E-08
2053	437686.06	3762647.12	9.75E-08	3.32E-07	4.30E-07	1.51E-08	5.43E-08	6.95E-08	8.16E-09	2.52E-08	3.34E-08
2054	437692.75	3762663.31	1.11E-07	3.79E-07	4.90E-07	1.73E-08	6.19E-08	7.92E-08	9.31E-09	2.87E-08	3.80E-08
2055	437699.43	3762679.49	1.26E-07	4.31E-07	5.57E-07	1.96E-08	7.04E-08	9.00E-08	1.06E-08	3.27E-08	4.32E-08
2056	437706.11	3762695.68	1.42E-07	4.86E-07	6.28E-07	2.21E-08	7.93E-08	1.01E-07	1.19E-08	3.68E-08	4.87E-08
2057	437546.73	3762559.72	5.3E-08	1.81E-07	2.34E-07	8.23E-09	2.95E-08	3.77E-08	4.43E-09	1.37E-08	1.81E-08
2058	437537.34	3762559.72	5.28E-08	1.80E-07	2.33E-07	8.20E-09	2.94E-08	3.76E-08	4.42E-09	1.36E-08	1.81E-08
2059	437527.95	3762559.72	5.25E-08	1.79E-07	2.32E-07	8.16E-09	2.93E-08	3.74E-08	4.40E-09	1.36E-08	1.80E-08
2060	437518.56	3762559.72	5.22E-08	1.78E-07	2.30E-07	8.11E-09	2.91E-08	3.72E-08	4.37E-09	1.35E-08	1.78E-08
2061	437509.17	3762559.72	5.17E-08	1.76E-07	2.28E-07	8.03E-09	2.88E-08	3.68E-08	4.33E-09	1.34E-08	1.77E-08
2062	437499.78	3762559.73	5.11E-08	1.74E-07	2.26E-07	7.95E-09	2.85E-08	3.64E-08	4.28E-09	1.32E-08	1.75E-08
2063	437490.39	3762559.73	5.05E-08	1.72E-07	2.23E-07	7.84E-09	2.81E-08	3.60E-08	4.23E-09	1.30E-08	1.73E-08
2064	437481	3762559.73	4.98E-08	1.70E-07	2.20E-07	7.73E-09	2.77E-08	3.55E-08	4.17E-09	1.29E-08	1.70E-08
2065	437471.61	3762559.73	4.9E-08	1.67E-07	2.16E-07	7.61E-09	2.73E-08	3.49E-08	4.10E-09	1.27E-08	1.68E-08
2066	437462.22	3762559.73	4.82E-08	1.64E-07	2.12E-07	7.48E-09	2.68E-08	3.43E-08	4.03E-09	1.24E-08	1.65E-08
2067	437452.83	3762559.73	4.73E-08	1.61E-07	2.08E-07	7.34E-09	2.63E-08	3.37E-08	3.96E-09	1.22E-08	1.62E-08
2068	437443.44	3762559.73	4.63E-08	1.58E-07	2.04E-07	7.20E-09	2.58E-08	3.30E-08	3.88E-09	1.20E-08	1.58E-08
2069	437598.58	3762557.32	5.08E-08	1.73E-07	2.24E-07	7.89E-09	2.83E-08	3.62E-08	4.25E-09	1.31E-08	1.74E-08
2070	437607.08	3762560.84	5.2E-08	1.77E-07	2.29E-07	8.09E-09	2.90E-08	3.71E-08	4.36E-09	1.34E-08	1.78E-08

2071	437615.57	3762564.36	5.32E-08	1.81E-07	2.35E-07	8.27E-09	2.96E-08	3.79E-08	4.45E-09	1.37E-08	1.82E-08
2072	437624.06	3762567.88	5.43E-08	1.85E-07	2.39E-07	8.43E-09	3.02E-08	3.87E-08	4.54E-09	1.40E-08	1.86E-08
2073	437632.55	3762571.4	5.52E-08	1.88E-07	2.44E-07	8.58E-09	3.08E-08	3.94E-08	4.62E-09	1.43E-08	1.89E-08
2074	437641.05	3762574.93	5.61E-08	1.91E-07	2.47E-07	8.72E-09	3.13E-08	4.00E-08	4.70E-09	1.45E-08	1.92E-08
2075	437649.54	3762578.45	5.69E-08	1.94E-07	2.51E-07	8.84E-09	3.17E-08	4.05E-08	4.76E-09	1.47E-08	1.95E-08
2076	437658.03	3762581.97	5.76E-08	1.96E-07	2.54E-07	8.94E-09	3.21E-08	4.10E-08	4.82E-09	1.49E-08	1.97E-08
2077	437666.52	3762585.49	5.81E-08	1.98E-07	2.56E-07	9.03E-09	3.24E-08	4.14E-08	4.86E-09	1.50E-08	1.99E-08
2078	437675.01	3762589.01	5.86E-08	2.00E-07	2.58E-07	9.10E-09	3.26E-08	4.17E-08	4.90E-09	1.51E-08	2.00E-08
2079	437687.02	3762601.02	6.28E-08	2.14E-07	2.77E-07	9.76E-09	3.50E-08	4.48E-08	5.26E-09	1.62E-08	2.15E-08
2080	437690.52	3762609.52	6.7E-08	2.28E-07	2.95E-07	1.04E-08	3.73E-08	4.77E-08	5.61E-09	1.73E-08	2.29E-08
2081	437694.03	3762618.02	7.15E-08	2.44E-07	3.15E-07	1.11E-08	3.98E-08	5.09E-08	5.98E-09	1.85E-08	2.44E-08
2082	437697.54	3762626.52	7.62E-08	2.60E-07	3.36E-07	1.18E-08	4.25E-08	5.43E-08	6.38E-09	1.97E-08	2.61E-08
2083	437701.05	3762635.01	8.13E-08	2.77E-07	3.58E-07	1.26E-08	4.53E-08	5.79E-08	6.80E-09	2.10E-08	2.78E-08
2084	437704.56	3762643.51	8.67E-08	2.96E-07	3.82E-07	1.35E-08	4.83E-08	6.18E-08	7.26E-09	2.24E-08	2.97E-08
2085	437708.07	3762652.01	9.24E-08	3.15E-07	4.08E-07	1.44E-08	5.15E-08	6.58E-08	7.73E-09	2.39E-08	3.16E-08
2086	437711.58	3762660.5	9.84E-08	3.36E-07	4.34E-07	1.53E-08	5.48E-08	7.01E-08	8.24E-09	2.54E-08	3.37E-08
2087	437715.09	3762669	1.05E-07	3.57E-07	4.62E-07	1.63E-08	5.84E-08	7.46E-08	8.77E-09	2.71E-08	3.58E-08
2088	437718.6	3762677.5	1.11E-07	3.80E-07	4.91E-07	1.73E-08	6.20E-08	7.93E-08	9.32E-09	2.88E-08	3.81E-08
2089	437722.1	3762685.99	1.18E-07	4.02E-07	5.20E-07	1.83E-08	6.57E-08	8.40E-08	9.87E-09	3.05E-08	4.04E-08
2090	437725.61	3762694.49	1.25E-07	4.25E-07	5.50E-07	1.94E-08	6.95E-08	8.88E-08	1.04E-08	3.22E-08	4.27E-08
2091	437729.12	3762702.99	1.31E-07	4.48E-07	5.80E-07	2.04E-08	7.32E-08	9.36E-08	1.10E-08	3.40E-08	4.50E-08
2092	437732.63	3762711.49	1.38E-07	4.71E-07	6.09E-07	2.15E-08	7.69E-08	9.84E-08	1.16E-08	3.57E-08	4.72E-08
2093	437546.73	3762539.72	4.35E-08	1.48E-07	1.92E-07	6.76E-09	2.42E-08	3.10E-08	3.64E-09	1.12E-08	1.49E-08
2094	437537.34	3762539.72	4.33E-08	1.48E-07	1.91E-07	6.73E-09	2.41E-08	3.09E-08	3.63E-09	1.12E-08	1.48E-08
2095	437527.95	3762539.72	4.3E-08	1.47E-07	1.90E-07	6.69E-09	2.40E-08	3.07E-08	3.60E-09	1.11E-08	1.47E-08
2096	437518.56	3762539.72	4.27E-08	1.46E-07	1.88E-07	6.63E-09	2.38E-08	3.04E-08	3.57E-09	1.10E-08	1.46E-08
2097	437509.17	3762539.72	4.23E-08	1.44E-07	1.86E-07	6.57E-09	2.36E-08	3.01E-08	3.54E-09	1.09E-08	1.45E-08
2098	437499.78	3762539.73	4.18E-08	1.43E-07	1.84E-07	6.50E-09	2.33E-08	2.98E-08	3.50E-09	1.08E-08	1.43E-08
2099	437490.39	3762539.73	4.13E-08	1.41E-07	1.82E-07	6.41E-09	2.30E-08	2.94E-08	3.46E-09	1.07E-08	1.41E-08
2100	437481	3762539.73	4.07E-08	1.39E-07	1.80E-07	6.32E-09	2.27E-08	2.90E-08	3.41E-09	1.05E-08	1.39E-08
2101	437471.61	3762539.73	4.01E-08	1.37E-07	1.77E-07	6.23E-09	2.23E-08	2.86E-08	3.36E-09	1.04E-08	1.37E-08
2102	437462.22	3762539.73	3.94E-08	1.34E-07	1.74E-07	6.13E-09	2.20E-08	2.81E-08	3.30E-09	1.02E-08	1.35E-08
2103	437452.82	3762539.73	3.87E-08	1.32E-07	1.71E-07	6.02E-09	2.16E-08	2.76E-08	3.24E-09	1.00E-08	1.33E-08
2104	437443.43	3762539.73	3.8E-08	1.30E-07	1.68E-07	5.91E-09	2.12E-08	2.71E-08	3.18E-09	9.82E-09	1.30E-08
2105	437631.05	3762550.78	4.6E-08	1.57E-07	2.03E-07	7.15E-09	2.57E-08	3.28E-08	3.85E-09	1.19E-08	1.58E-08
2106	437639.38	3762554.23	4.68E-08	1.60E-07	2.07E-07	7.28E-09	2.61E-08	3.34E-08	3.92E-09	1.21E-08	1.60E-08
2107	437647.7	3762557.69	4.76E-08	1.62E-07	2.10E-07	7.39E-09	2.65E-08	3.39E-08	3.98E-09	1.23E-08	1.63E-08
2108	437656.03	3762561.14	4.82E-08	1.64E-07	2.13E-07	7.49E-09	2.68E-08	3.43E-08	4.03E-09	1.25E-08	1.65E-08
2109	437672.68	3762568.04	4.92E-08	1.68E-07	2.17E-07	7.65E-09	2.74E-08	3.51E-08	4.12E-09	1.27E-08	1.68E-08
2110	437681.01	3762571.49	4.97E-08	1.69E-07	2.19E-07	7.72E-09	2.77E-08	3.54E-08	4.16E-09	1.28E-08	1.70E-08
2111	437689.33	3762574.94	5E-08	1.70E-07	2.20E-07	7.77E-09	2.79E-08	3.56E-08	4.18E-09	1.29E-08	1.71E-08
2112	437701.1	3762586.73	5.33E-08	1.82E-07	2.35E-07	8.28E-09	2.97E-08	3.80E-08	4.46E-09	1.38E-08	1.82E-08
2113	437707.98	3762603.39	5.99E-08	2.04E-07	2.64E-07	9.31E-09	3.34E-08	4.27E-08	5.01E-09	1.55E-08	2.05E-08
2114	437714.86	3762620.05	6.74E-08	2.30E-07	2.97E-07	1.05E-08	3.75E-08	4.80E-08	5.64E-09	1.74E-08	2.30E-08
2115	437718.3	3762628.38	7.14E-08	2.44E-07	3.15E-07	1.11E-08	3.98E-08	5.09E-08	5.98E-09	1.85E-08	2.44E-08
2116	437725.18	3762645.04	8.03E-08	2.74E-07	3.54E-07	1.25E-08	4.47E-08	5.72E-08	6.72E-09	2.08E-08	2.75E-08
2117	437732.06	3762661.7	9E-08	3.07E-07	3.97E-07	1.40E-08	5.02E-08	6.42E-08	7.54E-09	2.33E-08	3.08E-08
2118	437738.94	3762678.36	1E-07	3.43E-07	4.43E-07	1.56E-08	5.60E-08	7.16E-08	8.41E-09	2.60E-08	3.44E-08
2119	437742.38	3762686.69	1.06E-07	3.61E-07	4.67E-07	1.64E-08	5.89E-08	7.54E-08	8.85E-09	2.73E-08	3.62E-08
2120	437749.26	3762703.35	1.17E-07	3.97E-07	5.14E-07	1.81E-08	6.49E-08	8.30E-08	9.75E-09	3.01E-08	3.99E-08
2121	437546.73	3762519.72	3.63E-08	1.24E-07	1.60E-07	5.64E-09	2.02E-08	2.59E-08	3.04E-09	9.38E-09	1.24E-08
2122	437537.34	3762519.72	3.61E-08	1.23E-07	1.59E-07	5.61E-09	2.01E-08	2.57E-08	3.02E-09	9.32E-09	1.23E-08
2123	437527.95	3762519.72	3.58E-08	1.22E-07	1.58E-07	5.56E-09	1.99E-08	2.55E-08	3.00E-09	9.25E-09	1.22E-08
2124	437518.56	3762519.72	3.55E-08	1.21E-07	1.57E-07	5.51E-09	1.98E-08	2.53E-08	2.97E-09	9.17E-09	1.21E-08
2125	437509.17	3762519.72	3.51E-08	1.20E-07	1.55E-07	5.46E-09	1.96E-08	2.50E-08	2.94E-09	9.08E-09	1.20E-08
2126	437499.78	3762519.73	3.47E-08	1.18E-07	1.53E-07	5.40E-09	1.94E-08	2.48E-08	2.91E-09	8.98E-09	1.19E-08
2127	437490.39	3762519.73	3.43E-08	1.17E-07	1.51E-07	5.33E-09	1.91E-08	2.44E-08	2.87E-09	8.86E-09	1.17E-08
2128	437481	3762519.73	3.38E-08	1.15E-07	1.49E-07	5.26E-09	1.89E-08	2.41E-08	2.83E-09	8.75E-09	1.16E-08
2129	437471.6	3762519.73	3.34E-08	1.14E-07	1.47E-07	5.18E-09	1.86E-08	2.38E-08	2.79E-09	8.62E-09	1.14E-08
2130	437462.21	3762519.73	3.28E-08	1.12E-07	1.45E-07	5.10E-09	1.83E-08	2.34E-08	2.75E-09	8.49E-09	1.12E-08
2131	437452.82	3762519.73	3.23E-08	1.10E-07	1.42E-07	5.02E-09	1.80E-08	2.30E-08	2.70E-09	8.35E-09	1.11E-08

2132	437443.43	3762519.73	3.18E-08	1.08E-07	1.40E-07	4.93E-09	1.77E-08	2.26E-08	2.66E-09	8.21E-09	1.09E-08
2133	437625.32	3762528.41	3.84E-08	1.31E-07	1.69E-07	5.97E-09	2.14E-08	2.74E-08	3.22E-09	9.93E-09	1.31E-08
2134	437633.97	3762531.99	3.92E-08	1.34E-07	1.73E-07	6.09E-09	2.18E-08	2.79E-08	3.28E-09	1.01E-08	1.34E-08
2135	437642.61	3762535.58	3.99E-08	1.36E-07	1.76E-07	6.20E-09	2.22E-08	2.84E-08	3.34E-09	1.03E-08	1.36E-08
2136	437651.26	3762539.16	4.05E-08	1.38E-07	1.79E-07	6.30E-09	2.26E-08	2.89E-08	3.39E-09	1.05E-08	1.39E-08
2137	437659.91	3762542.75	4.11E-08	1.40E-07	1.81E-07	6.39E-09	2.29E-08	2.93E-08	3.44E-09	1.06E-08	1.41E-08
2138	437668.56	3762546.33	4.17E-08	1.42E-07	1.84E-07	6.47E-09	2.32E-08	2.97E-08	3.49E-09	1.08E-08	1.43E-08
2139	437677.21	3762549.92	4.21E-08	1.44E-07	1.86E-07	6.55E-09	2.35E-08	3.00E-08	3.53E-09	1.09E-08	1.44E-08
2140	437685.86	3762553.51	4.25E-08	1.45E-07	1.88E-07	6.61E-09	2.37E-08	3.03E-08	3.56E-09	1.10E-08	1.45E-08
2141	437694.51	3762557.09	4.29E-08	1.46E-07	1.89E-07	6.66E-09	2.39E-08	3.05E-08	3.59E-09	1.11E-08	1.47E-08
2142	437703.16	3762560.68	4.31E-08	1.47E-07	1.90E-07	6.70E-09	2.40E-08	3.07E-08	3.61E-09	1.11E-08	1.48E-08
2143	437715.38	3762572.92	4.58E-08	1.56E-07	2.02E-07	7.12E-09	2.55E-08	3.27E-08	3.84E-09	1.18E-08	1.57E-08
2144	437718.96	3762581.57	4.85E-08	1.65E-07	2.14E-07	7.54E-09	2.70E-08	3.46E-08	4.06E-09	1.25E-08	1.66E-08
2145	437722.53	3762590.23	5.13E-08	1.75E-07	2.26E-07	7.98E-09	2.86E-08	3.66E-08	4.30E-09	1.33E-08	1.76E-08
2146	437726.11	3762598.88	5.43E-08	1.85E-07	2.40E-07	8.44E-09	3.03E-08	3.87E-08	4.55E-09	1.40E-08	1.86E-08
2147	437729.68	3762607.53	5.75E-08	1.96E-07	2.54E-07	8.94E-09	3.21E-08	4.10E-08	4.82E-09	1.49E-08	1.97E-08
2148	437733.25	3762616.19	6.09E-08	2.08E-07	2.69E-07	9.47E-09	3.39E-08	4.34E-08	5.10E-09	1.57E-08	2.08E-08
2149	437736.83	3762624.84	6.45E-08	2.20E-07	2.85E-07	1.00E-08	3.59E-08	4.60E-08	5.40E-09	1.67E-08	2.21E-08
2150	437740.4	3762633.5	6.83E-08	2.33E-07	3.01E-07	1.06E-08	3.80E-08	4.87E-08	5.72E-09	1.76E-08	2.34E-08
2151	437743.97	3762642.15	7.23E-08	2.46E-07	3.19E-07	1.12E-08	4.03E-08	5.15E-08	6.05E-09	1.87E-08	2.47E-08
2152	437747.55	3762650.81	7.64E-08	2.61E-07	3.37E-07	1.19E-08	4.26E-08	5.44E-08	6.40E-09	1.97E-08	2.61E-08
2153	437751.12	3762659.46	8.07E-08	2.75E-07	3.56E-07	1.25E-08	4.50E-08	5.75E-08	6.76E-09	2.09E-08	2.76E-08
2154	437754.7	3762668.11	8.51E-08	2.90E-07	3.75E-07	1.32E-08	4.74E-08	6.07E-08	7.13E-09	2.20E-08	2.91E-08
2155	437758.27	3762676.77	8.97E-08	3.06E-07	3.95E-07	1.39E-08	5.00E-08	6.39E-08	7.51E-09	2.32E-08	3.07E-08
2156	437761.84	3762685.42	9.43E-08	3.21E-07	4.16E-07	1.46E-08	5.25E-08	6.71E-08	7.89E-09	2.44E-08	3.22E-08
2157	437765.42	3762694.08	9.89E-08	3.37E-07	4.36E-07	1.54E-08	5.51E-08	7.04E-08	8.27E-09	2.55E-08	3.38E-08
2158	437546.73	3762499.72	3.07E-08	1.05E-07	1.35E-07	4.76E-09	1.71E-08	2.18E-08	2.57E-09	7.92E-09	1.05E-08
2159	437537.34	3762499.72	3.04E-08	1.04E-07	1.34E-07	4.73E-09	1.70E-08	2.17E-08	2.55E-09	7.87E-09	1.04E-08
2160	437527.95	3762499.72	3.02E-08	1.03E-07	1.33E-07	4.69E-09	1.68E-08	2.15E-08	2.53E-09	7.80E-09	1.03E-08
2161	437518.56	3762499.72	2.99E-08	1.02E-07	1.32E-07	4.65E-09	1.67E-08	2.13E-08	2.50E-09	7.73E-09	1.02E-08
2162	437509.17	3762499.72	2.96E-08	1.01E-07	1.31E-07	4.60E-09	1.65E-08	2.11E-08	2.48E-09	7.65E-09	1.01E-08
2163	437499.78	3762499.73	2.93E-08	9.98E-08	1.29E-07	4.55E-09	1.63E-08	2.09E-08	2.45E-09	7.56E-09	1.00E-08
2164	437490.38	3762499.73	2.89E-08	9.86E-08	1.27E-07	4.49E-09	1.61E-08	2.06E-08	2.42E-09	7.47E-09	9.89E-09
2165	437480.99	3762499.73	2.85E-08	9.73E-08	1.26E-07	4.43E-09	1.59E-08	2.03E-08	2.39E-09	7.37E-09	9.76E-09
2166	437471.6	3762499.73	2.81E-08	9.59E-08	1.24E-07	4.37E-09	1.57E-08	2.00E-08	2.35E-09	7.27E-09	9.62E-09
2167	437462.21	3762499.73	2.77E-08	9.45E-08	1.22E-07	4.31E-09	1.54E-08	1.98E-08	2.32E-09	7.16E-09	9.48E-09
2168	437452.82	3762499.73	2.73E-08	9.31E-08	1.20E-07	4.24E-09	1.52E-08	1.95E-08	2.29E-09	7.06E-09	9.34E-09
2169	437443.43	3762499.73	2.69E-08	9.16E-08	1.19E-07	4.18E-09	1.50E-08	1.91E-08	2.25E-09	6.94E-09	9.19E-09
2170	437590.09	3762493.8	2.97E-08	1.01E-07	1.31E-07	4.61E-09	1.65E-08	2.11E-08	2.48E-09	7.67E-09	1.02E-08
2171	437598.58	3762497.32	3.05E-08	1.04E-07	1.34E-07	4.73E-09	1.70E-08	2.17E-08	2.55E-09	7.87E-09	1.04E-08
2172	437607.07	3762500.84	3.12E-08	1.07E-07	1.38E-07	4.85E-09	1.74E-08	2.23E-08	2.62E-09	8.07E-09	1.07E-08
2173	437615.56	3762504.36	3.2E-08	1.09E-07	1.41E-07	4.97E-09	1.78E-08	2.28E-08	2.68E-09	8.27E-09	1.09E-08
2174	437624.06	3762507.88	3.27E-08	1.11E-07	1.44E-07	5.08E-09	1.82E-08	2.33E-08	2.74E-09	8.45E-09	1.12E-08
2175	437632.55	3762511.4	3.34E-08	1.14E-07	1.47E-07	5.18E-09	1.86E-08	2.38E-08	2.79E-09	8.62E-09	1.14E-08
2176	437641.04	3762514.93	3.4E-08	1.16E-07	1.50E-07	5.28E-09	1.89E-08	2.42E-08	2.85E-09	8.78E-09	1.16E-08
2177	437649.53	3762518.45	3.46E-08	1.18E-07	1.53E-07	5.37E-09	1.93E-08	2.46E-08	2.89E-09	8.94E-09	1.18E-08
2178	437658.02	3762521.97	3.51E-08	1.20E-07	1.55E-07	5.46E-09	1.96E-08	2.50E-08	2.94E-09	9.08E-09	1.20E-08
2179	437666.52	3762525.49	3.56E-08	1.21E-07	1.57E-07	5.54E-09	1.98E-08	2.54E-08	2.98E-09	9.21E-09	1.22E-08
2180	437675.01	3762529.01	3.61E-08	1.23E-07	1.59E-07	5.61E-09	2.01E-08	2.57E-08	3.02E-09	9.32E-09	1.23E-08
2181	437683.5	3762532.53	3.65E-08	1.24E-07	1.61E-07	5.67E-09	2.03E-08	2.60E-08	3.05E-09	9.42E-09	1.25E-08
2182	437691.99	3762536.05	3.68E-08	1.26E-07	1.62E-07	5.72E-09	2.05E-08	2.62E-08	3.08E-09	9.52E-09	1.26E-08
2183	437700.49	3762539.57	3.71E-08	1.27E-07	1.64E-07	5.77E-09	2.07E-08	2.65E-08	3.11E-09	9.59E-09	1.27E-08
2184	437708.98	3762543.09	3.74E-08	1.27E-07	1.65E-07	5.81E-09	2.08E-08	2.66E-08	3.13E-09	9.66E-09	1.28E-08
2185	437717.47	3762546.61	3.76E-08	1.28E-07	1.66E-07	5.84E-09	2.09E-08	2.68E-08	3.15E-09	9.71E-09	1.29E-08
2186	437729.47	3762558.63	3.97E-08	1.35E-07	1.75E-07	6.17E-09	2.21E-08	2.83E-08	3.33E-09	1.03E-08	1.36E-08
2187	437736.49	3762575.62	4.4E-08	1.50E-07	1.94E-07	6.84E-09	2.45E-08	3.14E-08	3.69E-09	1.14E-08	1.51E-08
2188	437740	3762584.12	4.64E-08	1.58E-07	2.05E-07	7.21E-09	2.59E-08	3.31E-08	3.88E-09	1.20E-08	1.59E-08
2189	437743.51	3762592.62	4.89E-08	1.67E-07	2.16E-07	7.60E-09	2.72E-08	3.48E-08	4.09E-09	1.26E-08	1.67E-08
2190	437747.02	3762601.11	5.15E-08	1.76E-07	2.27E-07	8.01E-09	2.87E-08	3.67E-08	4.31E-09	1.33E-08	1.76E-08
2191	437750.52	3762609.61	5.43E-08	1.85E-07	2.40E-07	8.44E-09	3.03E-08	3.87E-08	4.55E-09	1.40E-08	1.86E-08
2192	437754.03	3762618.11	5.73E-08	1.95E-07	2.53E-07	8.90E-09	3.19E-08	4.08E-08	4.80E-09	1.48E-08	1.96E-08

2193	437757.54	3762626.6	6.04E-08	2.06E-07	2.66E-07	9.39E-09	3.37E-08	4.30E-08	5.06E-09	1.56E-08	2.07E-08
2194	437761.05	3762635.1	6.36E-08	2.17E-07	2.81E-07	9.89E-09	3.55E-08	4.53E-08	5.33E-09	1.64E-08	2.18E-08
2195	437764.56	3762643.6	6.7E-08	2.29E-07	2.96E-07	1.04E-08	3.73E-08	4.77E-08	5.61E-09	1.73E-08	2.29E-08
2196	437768.07	3762652.09	7.05E-08	2.40E-07	3.11E-07	1.10E-08	3.93E-08	5.02E-08	5.90E-09	1.82E-08	2.41E-08
2197	437771.58	3762660.59	7.41E-08	2.53E-07	3.27E-07	1.15E-08	4.13E-08	5.28E-08	6.20E-09	1.91E-08	2.54E-08
2198	437775.09	3762669.09	7.78E-08	2.65E-07	3.43E-07	1.21E-08	4.33E-08	5.54E-08	6.51E-09	2.01E-08	2.66E-08
2199	437778.6	3762677.58	8.15E-08	2.78E-07	3.60E-07	1.27E-08	4.54E-08	5.81E-08	6.82E-09	2.11E-08	2.79E-08
2200	437546.73	3762479.72	2.62E-08	8.93E-08	1.15E-07	4.07E-09	1.46E-08	1.87E-08	2.19E-09	6.77E-09	8.96E-09
2201	437537.34	3762479.72	2.6E-08	8.86E-08	1.15E-07	4.04E-09	1.45E-08	1.85E-08	2.18E-09	6.72E-09	8.89E-09
2202	437527.95	3762479.72	2.58E-08	8.79E-08	1.14E-07	4.00E-09	1.44E-08	1.84E-08	2.16E-09	6.66E-09	8.81E-09
2203	437518.56	3762479.72	2.55E-08	8.70E-08	1.13E-07	3.96E-09	1.42E-08	1.82E-08	2.14E-09	6.59E-09	8.73E-09
2204	437509.16	3762479.72	2.52E-08	8.61E-08	1.11E-07	3.92E-09	1.41E-08	1.80E-08	2.11E-09	6.52E-09	8.64E-09
2205	437499.77	3762479.73	2.5E-08	8.51E-08	1.10E-07	3.88E-09	1.39E-08	1.78E-08	2.09E-09	6.45E-09	8.54E-09
2206	437490.38	3762479.73	2.47E-08	8.41E-08	1.09E-07	3.83E-09	1.37E-08	1.76E-08	2.06E-09	6.37E-09	8.43E-09
2207	437480.99	3762479.73	2.43E-08	8.30E-08	1.07E-07	3.78E-09	1.36E-08	1.73E-08	2.04E-09	6.29E-09	8.33E-09
2208	437471.6	3762479.73	2.4E-08	8.19E-08	1.06E-07	3.73E-09	1.34E-08	1.71E-08	2.01E-09	6.20E-09	8.21E-09
2209	437462.21	3762479.73	2.37E-08	8.08E-08	1.04E-07	3.68E-09	1.32E-08	1.69E-08	1.98E-09	6.12E-09	8.10E-09
2210	437452.82	3762479.73	2.33E-08	7.96E-08	1.03E-07	3.63E-09	1.30E-08	1.66E-08	1.95E-09	6.03E-09	7.99E-09
2211	437443.43	3762479.73	2.3E-08	7.84E-08	1.01E-07	3.57E-09	1.28E-08	1.64E-08	1.93E-09	5.94E-09	7.87E-09
2212	437589.57	3762473.59	2.55E-08	8.70E-08	1.13E-07	3.97E-09	1.42E-08	1.82E-08	2.14E-09	6.59E-09	8.73E-09
2213	437597.93	3762477.06	2.62E-08	8.93E-08	1.16E-07	4.07E-09	1.46E-08	1.87E-08	2.19E-09	6.77E-09	8.96E-09
2214	437606.3	3762480.52	2.68E-08	9.15E-08	1.18E-07	4.17E-09	1.50E-08	1.91E-08	2.25E-09	6.94E-09	9.18E-09
2215	437614.66	3762483.99	2.75E-08	9.37E-08	1.21E-07	4.27E-09	1.53E-08	1.96E-08	2.30E-09	7.10E-09	9.40E-09
2216	437623.02	3762487.46	2.81E-08	9.58E-08	1.24E-07	4.37E-09	1.57E-08	2.00E-08	2.35E-09	7.26E-09	9.61E-09
2217	437631.39	3762490.92	2.87E-08	9.78E-08	1.26E-07	4.46E-09	1.60E-08	2.04E-08	2.40E-09	7.41E-09	9.81E-09
2218	437639.75	3762494.39	2.92E-08	9.97E-08	1.29E-07	4.54E-09	1.63E-08	2.08E-08	2.45E-09	7.56E-09	1.00E-08
2219	437656.48	3762501.33	3.03E-08	1.03E-07	1.33E-07	4.70E-09	1.69E-08	2.16E-08	2.53E-09	7.82E-09	1.04E-08
2220	437664.84	3762504.79	3.07E-08	1.05E-07	1.35E-07	4.77E-09	1.71E-08	2.19E-08	2.57E-09	7.94E-09	1.05E-08
2221	437673.21	3762508.26	3.11E-08	1.06E-07	1.37E-07	4.84E-09	1.73E-08	2.22E-08	2.61E-09	8.05E-09	1.07E-08
2222	437681.57	3762511.73	3.15E-08	1.08E-07	1.39E-07	4.90E-09	1.76E-08	2.25E-08	2.64E-09	8.15E-09	1.08E-08
2223	437689.93	3762515.19	3.19E-08	1.09E-07	1.41E-07	4.95E-09	1.78E-08	2.27E-08	2.67E-09	8.24E-09	1.09E-08
2224	437698.3	3762518.66	3.22E-08	1.10E-07	1.42E-07	5.00E-09	1.79E-08	2.29E-08	2.69E-09	8.32E-09	1.10E-08
2225	437706.66	3762522.13	3.25E-08	1.11E-07	1.43E-07	5.04E-09	1.81E-08	2.31E-08	2.72E-09	8.39E-09	1.11E-08
2226	437723.39	3762529.06	3.29E-08	1.12E-07	1.45E-07	5.11E-09	1.83E-08	2.34E-08	2.75E-09	8.49E-09	1.12E-08
2227	437731.75	3762532.53	3.3E-08	1.13E-07	1.46E-07	5.13E-09	1.84E-08	2.35E-08	2.76E-09	8.53E-09	1.13E-08
2228	437743.57	3762544.37	3.48E-08	1.19E-07	1.53E-07	5.40E-09	1.94E-08	2.48E-08	2.91E-09	8.98E-09	1.19E-08
2229	437747.02	3762552.73	3.65E-08	1.24E-07	1.61E-07	5.66E-09	2.03E-08	2.60E-08	3.05E-09	9.42E-09	1.25E-08
2230	437753.94	3762569.47	4.01E-08	1.37E-07	1.77E-07	6.23E-09	2.23E-08	2.86E-08	3.36E-09	1.04E-08	1.37E-08
2231	437760.85	3762586.21	4.42E-08	1.51E-07	1.95E-07	6.86E-09	2.46E-08	3.15E-08	3.70E-09	1.14E-08	1.51E-08
2232	437767.76	3762602.94	4.87E-08	1.66E-07	2.15E-07	7.57E-09	2.71E-08	3.47E-08	4.08E-09	1.26E-08	1.67E-08
2233	437774.67	3762619.68	5.37E-08	1.83E-07	2.37E-07	8.35E-09	2.99E-08	3.83E-08	4.50E-09	1.39E-08	1.84E-08
2234	437781.58	3762636.42	5.92E-08	2.02E-07	2.61E-07	9.20E-09	3.30E-08	4.22E-08	4.95E-09	1.53E-08	2.02E-08
2235	437788.49	3762653.15	6.5E-08	2.22E-07	2.87E-07	1.01E-08	3.62E-08	4.63E-08	5.44E-09	1.68E-08	2.22E-08
2236	437795.41	3762669.89	7.12E-08	2.43E-07	3.14E-07	1.11E-08	3.97E-08	5.07E-08	5.96E-09	1.84E-08	2.44E-08
2237	437802.32	3762686.63	7.75E-08	2.64E-07	3.42E-07	1.20E-08	4.32E-08	5.52E-08	6.49E-09	2.00E-08	2.65E-08
2238	437809.23	3762703.36	8.37E-08	2.85E-07	3.69E-07	1.30E-08	4.66E-08	5.96E-08	7.00E-09	2.16E-08	2.86E-08
2239	437546.73	3762459.72	2.26E-08	7.71E-08	9.97E-08	3.51E-09	1.26E-08	1.61E-08	1.89E-09	5.84E-09	7.73E-09
2240	437537.34	3762459.72	2.24E-08	7.64E-08	9.89E-08	3.48E-09	1.25E-08	1.60E-08	1.88E-09	5.79E-09	7.67E-09
2241	437527.94	3762459.72	2.22E-08	7.57E-08	9.80E-08	3.45E-09	1.24E-08	1.58E-08	1.86E-09	5.74E-09	7.60E-09
2242	437518.55	3762459.72	2.2E-08	7.50E-08	9.70E-08	3.42E-09	1.23E-08	1.57E-08	1.84E-09	5.68E-09	7.52E-09
2243	437509.16	3762459.72	2.18E-08	7.42E-08	9.59E-08	3.38E-09	1.21E-08	1.55E-08	1.82E-09	5.62E-09	7.44E-09
2244	437499.77	3762459.73	2.15E-08	7.34E-08	9.49E-08	3.34E-09	1.20E-08	1.53E-08	1.80E-09	5.56E-09	7.36E-09
2245	437490.38	3762459.73	2.13E-08	7.25E-08	9.37E-08	3.30E-09	1.18E-08	1.51E-08	1.78E-09	5.49E-09	7.27E-09
2246	437480.99	3762459.73	2.1E-08	7.16E-08	9.26E-08	3.26E-09	1.17E-08	1.50E-08	1.76E-09	5.42E-09	7.18E-09
2247	437471.6	3762459.73	2.07E-08	7.06E-08	9.14E-08	3.22E-09	1.15E-08	1.48E-08	1.73E-09	5.35E-09	7.09E-09
2248	437462.21	3762459.73	2.04E-08	6.97E-08	9.02E-08	3.18E-09	1.14E-08	1.46E-08	1.71E-09	5.28E-09	6.99E-09
2249	437452.82	3762459.73	2.02E-08	6.88E-08	8.89E-08	3.13E-09	1.12E-08	1.44E-08	1.69E-09	5.21E-09	6.90E-09
2250	437443.43	3762459.73	1.99E-08	6.78E-08	8.77E-08	3.09E-09	1.11E-08	1.42E-08	1.66E-09	5.14E-09	6.80E-09
2251	437581.96	3762450.43	2.16E-08	7.38E-08	9.55E-08	3.36E-09	1.21E-08	1.54E-08	1.81E-09	5.59E-09	7.41E-09
2252	437590.58	3762454.01	2.22E-08	7.59E-08	9.81E-08	3.46E-09	1.24E-08	1.59E-08	1.86E-09	5.75E-09	7.61E-09
2253	437599.19	3762457.58	2.28E-08	7.79E-08	1.01E-07	3.55E-09	1.27E-08	1.63E-08	1.91E-09	5.90E-09	7.81E-09

2254	437607.81	3762461.15	2.34E-08	7.99E-08	1.03E-07	3.64E-09	1.30E-08	1.67E-08	1.96E-09	6.05E-09	8.01E-09
2255	437616.42	3762464.72	2.4E-08	8.18E-08	1.06E-07	3.73E-09	1.34E-08	1.71E-08	2.01E-09	6.20E-09	8.21E-09
2256	437625.04	3762468.29	2.45E-08	8.37E-08	1.08E-07	3.81E-09	1.37E-08	1.75E-08	2.05E-09	6.34E-09	8.39E-09
2257	437633.65	3762471.86	2.51E-08	8.55E-08	1.11E-07	3.89E-09	1.40E-08	1.79E-08	2.10E-09	6.48E-09	8.57E-09
2258	437642.27	3762475.44	2.56E-08	8.72E-08	1.13E-07	3.97E-09	1.42E-08	1.82E-08	2.14E-09	6.61E-09	8.75E-09
2259	437650.88	3762479.01	2.6E-08	8.88E-08	1.15E-07	4.05E-09	1.45E-08	1.86E-08	2.18E-09	6.73E-09	8.91E-09
2260	437659.5	3762482.58	2.65E-08	9.03E-08	1.17E-07	4.12E-09	1.48E-08	1.89E-08	2.22E-09	6.85E-09	9.06E-09
2261	437668.11	3762486.15	2.69E-08	9.18E-08	1.19E-07	4.18E-09	1.50E-08	1.92E-08	2.25E-09	6.95E-09	9.21E-09
2262	437676.73	3762489.72	2.73E-08	9.31E-08	1.20E-07	4.24E-09	1.52E-08	1.95E-08	2.29E-09	7.06E-09	9.34E-09
2263	437685.34	3762493.29	2.77E-08	9.43E-08	1.22E-07	4.30E-09	1.54E-08	1.97E-08	2.32E-09	7.15E-09	9.46E-09
2264	437693.96	3762496.86	2.8E-08	9.54E-08	1.23E-07	4.35E-09	1.56E-08	1.99E-08	2.34E-09	7.23E-09	9.57E-09
2265	437702.57	3762500.44	2.83E-08	9.64E-08	1.25E-07	4.39E-09	1.58E-08	2.01E-08	2.37E-09	7.31E-09	9.68E-09
2266	437711.19	3762504.01	2.85E-08	9.73E-08	1.26E-07	4.43E-09	1.59E-08	2.03E-08	2.39E-09	7.38E-09	9.76E-09
2267	437719.8	3762507.58	2.88E-08	9.81E-08	1.27E-07	4.47E-09	1.60E-08	2.05E-08	2.41E-09	7.43E-09	9.84E-09
2268	437728.42	3762511.15	2.9E-08	9.88E-08	1.28E-07	4.50E-09	1.61E-08	2.06E-08	2.42E-09	7.48E-09	9.91E-09
2269	437737.03	3762514.72	2.91E-08	9.93E-08	1.28E-07	4.53E-09	1.62E-08	2.07E-08	2.44E-09	7.53E-09	9.96E-09
2270	437745.65	3762518.29	2.93E-08	9.98E-08	1.29E-07	4.55E-09	1.63E-08	2.08E-08	2.45E-09	7.56E-09	1.00E-08
2271	437757.82	3762530.49	3.07E-08	1.05E-07	1.36E-07	4.78E-09	1.71E-08	2.19E-08	2.57E-09	7.94E-09	1.05E-08
2272	437761.38	3762539.11	3.22E-08	1.10E-07	1.42E-07	5.00E-09	1.79E-08	2.29E-08	2.69E-09	8.32E-09	1.10E-08
2273	437764.94	3762547.73	3.37E-08	1.15E-07	1.49E-07	5.24E-09	1.88E-08	2.40E-08	2.82E-09	8.71E-09	1.15E-08
2274	437768.5	3762556.35	3.53E-08	1.20E-07	1.56E-07	5.49E-09	1.97E-08	2.52E-08	2.96E-09	9.12E-09	1.21E-08
2275	437772.06	3762564.97	3.7E-08	1.26E-07	1.63E-07	5.75E-09	2.06E-08	2.63E-08	3.10E-09	9.56E-09	1.27E-08
2276	437775.62	3762573.59	3.88E-08	1.32E-07	1.71E-07	6.02E-09	2.16E-08	2.76E-08	3.24E-09	1.00E-08	1.33E-08
2277	437779.18	3762582.21	4.06E-08	1.39E-07	1.79E-07	6.31E-09	2.26E-08	2.89E-08	3.40E-09	1.05E-08	1.39E-08
2278	437782.74	3762590.83	4.26E-08	1.45E-07	1.88E-07	6.62E-09	2.37E-08	3.04E-08	3.57E-09	1.10E-08	1.46E-08
2279	437786.3	3762599.45	4.47E-08	1.52E-07	1.97E-07	6.94E-09	2.49E-08	3.18E-08	3.74E-09	1.15E-08	1.53E-08
2280	437789.86	3762608.07	4.69E-08	1.60E-07	2.07E-07	7.28E-09	2.61E-08	3.34E-08	3.92E-09	1.21E-08	1.60E-08
2281	437793.42	3762616.69	4.91E-08	1.68E-07	2.17E-07	7.63E-09	2.74E-08	3.50E-08	4.11E-09	1.27E-08	1.68E-08
2282	437796.98	3762625.31	5.15E-08	1.76E-07	2.27E-07	8.00E-09	2.87E-08	3.67E-08	4.31E-09	1.33E-08	1.76E-08
2283	437800.54	3762633.93	5.4E-08	1.84E-07	2.38E-07	8.38E-09	3.01E-08	3.84E-08	4.52E-09	1.39E-08	1.85E-08
2284	437804.1	3762642.55	5.65E-08	1.93E-07	2.49E-07	8.78E-09	3.15E-08	4.03E-08	4.73E-09	1.46E-08	1.93E-08
2285	437807.66	3762651.17	5.92E-08	2.02E-07	2.61E-07	9.19E-09	3.30E-08	4.21E-08	4.95E-09	1.53E-08	2.02E-08
2286	437811.22	3762659.79	6.19E-08	2.11E-07	2.73E-07	9.61E-09	3.45E-08	4.41E-08	5.18E-09	1.60E-08	2.12E-08
2287	437814.78	3762668.41	6.46E-08	2.20E-07	2.85E-07	1.00E-08	3.60E-08	4.60E-08	5.41E-09	1.67E-08	2.21E-08
2288	437818.34	3762677.03	6.74E-08	2.30E-07	2.97E-07	1.05E-08	3.75E-08	4.80E-08	5.64E-09	1.74E-08	2.30E-08
2289	437821.9	3762685.65	7.01E-08	2.39E-07	3.09E-07	1.09E-08	3.91E-08	5.00E-08	5.87E-09	1.81E-08	2.40E-08
2290	437825.46	3762694.27	7.29E-08	2.49E-07	3.21E-07	1.13E-08	4.06E-08	5.19E-08	6.10E-09	1.88E-08	2.49E-08
2291	437829.02	3762702.89	7.56E-08	2.58E-07	3.33E-07	1.17E-08	4.21E-08	5.38E-08	6.32E-09	1.95E-08	2.58E-08
2292	437832.58	3762711.51	7.82E-08	2.67E-07	3.45E-07	1.21E-08	4.35E-08	5.57E-08	6.54E-09	2.02E-08	2.67E-08
2293	437546.72	3762439.72	1.97E-08	6.71E-08	8.68E-08	3.06E-09	1.10E-08	1.40E-08	1.65E-09	5.08E-09	6.73E-09
2294	437537.33	3762439.72	1.95E-08	6.65E-08	8.60E-08	3.03E-09	1.09E-08	1.39E-08	1.63E-09	5.04E-09	6.67E-09
2295	437527.94	3762439.72	1.93E-08	6.59E-08	8.52E-08	3.00E-09	1.08E-08	1.38E-08	1.62E-09	4.99E-09	6.61E-09
2296	437518.55	3762439.72	1.91E-08	6.52E-08	8.44E-08	2.97E-09	1.07E-08	1.36E-08	1.60E-09	4.94E-09	6.55E-09
2297	437509.16	3762439.72	1.89E-08	6.45E-08	8.35E-08	2.94E-09	1.05E-08	1.35E-08	1.58E-09	4.89E-09	6.48E-09
2298	437499.77	3762439.73	1.87E-08	6.38E-08	8.25E-08	2.91E-09	1.04E-08	1.33E-08	1.57E-09	4.84E-09	6.40E-09
2299	437490.38	3762439.73	1.85E-08	6.31E-08	8.16E-08	2.87E-09	1.03E-08	1.32E-08	1.55E-09	4.78E-09	6.33E-09
2300	437480.99	3762439.73	1.83E-08	6.23E-08	8.06E-08	2.84E-09	1.02E-08	1.30E-08	1.53E-09	4.72E-09	6.25E-09
2301	437471.6	3762439.73	1.8E-08	6.15E-08	7.96E-08	2.80E-09	1.01E-08	1.29E-08	1.51E-09	4.66E-09	6.17E-09
2302	437462.21	3762439.73	1.78E-08	6.07E-08	7.86E-08	2.77E-09	9.92E-09	1.27E-08	1.49E-09	4.60E-09	6.09E-09
2303	437452.82	3762439.73	1.76E-08	6.00E-08	7.76E-08	2.73E-09	9.80E-09	1.25E-08	1.47E-09	4.54E-09	6.02E-09
2304	437443.43	3762439.73	1.74E-08	5.92E-08	7.65E-08	2.70E-09	9.67E-09	1.24E-08	1.45E-09	4.49E-09	5.94E-09
2305	437581.59	3762430.28	1.89E-08	6.46E-08	8.36E-08	2.94E-09	1.06E-08	1.35E-08	1.59E-09	4.90E-09	6.48E-09
2306	437590.08	3762433.8	1.95E-08	6.63E-08	8.58E-08	3.02E-09	1.08E-08	1.39E-08	1.63E-09	5.03E-09	6.66E-09
2307	437598.57	3762437.32	2E-08	6.81E-08	8.80E-08	3.10E-09	1.11E-08	1.42E-08	1.67E-09	5.16E-09	6.83E-09
2308	437607.07	3762440.84	2.05E-08	6.98E-08	9.02E-08	3.18E-09	1.14E-08	1.46E-08	1.71E-09	5.29E-09	7.00E-09
2309	437615.56	3762444.36	2.09E-08	7.14E-08	9.24E-08	3.25E-09	1.17E-08	1.49E-08	1.75E-09	5.41E-09	7.17E-09
2310	437624.05	3762447.88	2.14E-08	7.30E-08	9.45E-08	3.33E-09	1.19E-08	1.53E-08	1.79E-09	5.54E-09	7.33E-09
2311	437632.54	3762451.4	2.19E-08	7.46E-08	9.65E-08	3.40E-09	1.22E-08	1.56E-08	1.83E-09	5.65E-09	7.49E-09
2312	437641.03	3762454.93	2.23E-08	7.61E-08	9.85E-08	3.47E-09	1.24E-08	1.59E-08	1.87E-09	5.77E-09	7.64E-09
2313	437649.53	3762458.45	2.28E-08	7.76E-08	1.00E-07	3.54E-09	1.27E-08	1.62E-08	1.90E-09	5.88E-09	7.78E-09
2314	437658.02	3762461.97	2.32E-08	7.90E-08	1.02E-07	3.60E-09	1.29E-08	1.65E-08	1.94E-09	5.98E-09	7.92E-09

2315	437666.51	3762465.49	2.35E-08	8.03E-08	1.04E-07	3.66E-09	1.31E-08	1.68E-08	1.97E-09	6.08E-09	8.05E-09
2316	437675	3762469.01	2.39E-08	8.15E-08	1.05E-07	3.71E-09	1.33E-08	1.70E-08	2.00E-09	6.18E-09	8.18E-09
2317	437683.5	3762472.53	2.42E-08	8.26E-08	1.07E-07	3.77E-09	1.35E-08	1.73E-08	2.03E-09	6.26E-09	8.29E-09
2318	437691.99	3762476.05	2.45E-08	8.37E-08	1.08E-07	3.81E-09	1.37E-08	1.75E-08	2.05E-09	6.34E-09	8.40E-09
2319	437700.48	3762479.57	2.48E-08	8.47E-08	1.09E-07	3.86E-09	1.38E-08	1.77E-08	2.08E-09	6.42E-09	8.49E-09
2320	437708.97	3762483.09	2.51E-08	8.56E-08	1.11E-07	3.90E-09	1.40E-08	1.79E-08	2.10E-09	6.48E-09	8.58E-09
2321	437717.46	3762486.61	2.53E-08	8.63E-08	1.12E-07	3.93E-09	1.41E-08	1.80E-08	2.12E-09	6.54E-09	8.66E-09
2322	437725.96	3762490.13	2.55E-08	8.70E-08	1.13E-07	3.97E-09	1.42E-08	1.82E-08	2.14E-09	6.60E-09	8.73E-09
2323	437734.45	3762493.65	2.57E-08	8.77E-08	1.13E-07	3.99E-09	1.43E-08	1.83E-08	2.15E-09	6.64E-09	8.79E-09
2324	437742.94	3762497.17	2.59E-08	8.82E-08	1.14E-07	4.02E-09	1.44E-08	1.84E-08	2.16E-09	6.68E-09	8.85E-09
2325	437751.43	3762500.69	2.6E-08	8.86E-08	1.15E-07	4.04E-09	1.45E-08	1.85E-08	2.18E-09	6.72E-09	8.89E-09
2326	437759.92	3762504.21	2.61E-08	8.90E-08	1.15E-07	4.05E-09	1.45E-08	1.86E-08	2.18E-09	6.74E-09	8.93E-09
2327	437771.93	3762516.23	2.73E-08	9.32E-08	1.21E-07	4.25E-09	1.52E-08	1.95E-08	2.29E-09	7.06E-09	9.35E-09
2328	437775.43	3762524.73	2.85E-08	9.73E-08	1.26E-07	4.43E-09	1.59E-08	2.03E-08	2.39E-09	7.37E-09	9.76E-09
2329	437778.94	3762533.22	2.98E-08	1.02E-07	1.31E-07	4.63E-09	1.66E-08	2.12E-08	2.49E-09	7.69E-09	1.02E-08
2330	437782.45	3762541.72	3.11E-08	1.06E-07	1.37E-07	4.83E-09	1.73E-08	2.21E-08	2.60E-09	8.03E-09	1.06E-08
2331	437785.96	3762550.22	3.25E-08	1.11E-07	1.43E-07	5.04E-09	1.81E-08	2.31E-08	2.72E-09	8.39E-09	1.11E-08
2332	437789.47	3762558.71	3.39E-08	1.16E-07	1.49E-07	5.27E-09	1.89E-08	2.41E-08	2.84E-09	8.76E-09	1.16E-08
2333	437792.98	3762567.21	3.54E-08	1.21E-07	1.56E-07	5.50E-09	1.97E-08	2.52E-08	2.96E-09	9.15E-09	1.21E-08
2334	437796.49	3762575.71	3.7E-08	1.26E-07	1.63E-07	5.75E-09	2.06E-08	2.64E-08	3.10E-09	9.56E-09	1.27E-08
2335	437800	3762584.21	3.87E-08	1.32E-07	1.71E-07	6.01E-09	2.15E-08	2.76E-08	3.24E-09	9.99E-09	1.32E-08
2336	437803.51	3762592.7	4.04E-08	1.38E-07	1.78E-07	6.28E-09	2.25E-08	2.88E-08	3.38E-09	1.04E-08	1.38E-08
2337	437807.02	3762601.2	4.23E-08	1.44E-07	1.86E-07	6.57E-09	2.35E-08	3.01E-08	3.54E-09	1.09E-08	1.45E-08
2338	437810.52	3762609.7	4.42E-08	1.51E-07	1.95E-07	6.86E-09	2.46E-08	3.15E-08	3.70E-09	1.14E-08	1.51E-08
2339	437814.03	3762618.19	4.61E-08	1.57E-07	2.03E-07	7.17E-09	2.57E-08	3.29E-08	3.86E-09	1.19E-08	1.58E-08
2340	437817.54	3762626.69	4.82E-08	1.64E-07	2.12E-07	7.49E-09	2.68E-08	3.43E-08	4.03E-09	1.25E-08	1.65E-08
2341	437821.05	3762635.19	5.03E-08	1.72E-07	2.22E-07	7.82E-09	2.80E-08	3.59E-08	4.21E-09	1.30E-08	1.72E-08
2342	437824.56	3762643.68	5.25E-08	1.79E-07	2.32E-07	8.16E-09	2.93E-08	3.74E-08	4.40E-09	1.36E-08	1.80E-08
2343	437828.07	3762652.18	5.48E-08	1.87E-07	2.42E-07	8.52E-09	3.05E-08	3.91E-08	4.59E-09	1.42E-08	1.88E-08
2344	437831.58	3762660.68	5.71E-08	1.95E-07	2.52E-07	8.87E-09	3.18E-08	4.07E-08	4.78E-09	1.48E-08	1.95E-08
2345	437835.09	3762669.18	5.94E-08	2.03E-07	2.62E-07	9.24E-09	3.31E-08	4.24E-08	4.98E-09	1.54E-08	2.03E-08
2346	437838.6	3762677.67	6.18E-08	2.11E-07	2.73E-07	9.60E-09	3.44E-08	4.40E-08	5.17E-09	1.60E-08	2.11E-08
2347	437842.1	3762686.17	6.41E-08	2.19E-07	2.83E-07	9.97E-09	3.57E-08	4.57E-08	5.37E-09	1.66E-08	2.19E-08
2348	437845.61	3762694.67	6.65E-08	2.27E-07	2.93E-07	1.03E-08	3.70E-08	4.73E-08	5.56E-09	1.72E-08	2.27E-08
2349	437849.12	3762703.16	6.87E-08	2.34E-07	3.03E-07	1.07E-08	3.83E-08	4.90E-08	5.75E-09	1.78E-08	2.35E-08
2350	437852.63	3762711.66	7.09E-08	2.42E-07	3.13E-07	1.10E-08	3.95E-08	5.05E-08	5.94E-09	1.83E-08	2.43E-08
2351	437546.72	3762419.72	1.73E-08	5.89E-08	7.62E-08	2.68E-09	9.62E-09	1.23E-08	1.45E-09	4.46E-09	5.91E-09
2352	437537.33	3762419.72	1.71E-08	5.84E-08	7.55E-08	2.66E-09	9.54E-09	1.22E-08	1.43E-09	4.42E-09	5.86E-09
2353	437527.94	3762419.72	1.7E-08	5.78E-08	7.48E-08	2.63E-09	9.45E-09	1.21E-08	1.42E-09	4.38E-09	5.80E-09
2354	437518.55	3762419.72	1.68E-08	5.72E-08	7.40E-08	2.61E-09	9.35E-09	1.20E-08	1.40E-09	4.34E-09	5.74E-09
2355	437509.16	3762419.72	1.66E-08	5.66E-08	7.32E-08	2.58E-09	9.25E-09	1.18E-08	1.39E-09	4.29E-09	5.68E-09
2356	437499.77	3762419.73	1.64E-08	5.60E-08	7.24E-08	2.55E-09	9.15E-09	1.17E-08	1.37E-09	4.24E-09	5.62E-09
2357	437490.38	3762419.73	1.62E-08	5.54E-08	7.16E-08	2.52E-09	9.04E-09	1.16E-08	1.36E-09	4.19E-09	5.55E-09
2358	437480.99	3762419.73	1.6E-08	5.47E-08	7.07E-08	2.49E-09	8.94E-09	1.14E-08	1.34E-09	4.14E-09	5.49E-09
2359	437471.6	3762419.73	1.58E-08	5.40E-08	6.99E-08	2.46E-09	8.83E-09	1.13E-08	1.33E-09	4.09E-09	5.42E-09
2360	437462.21	3762419.73	1.57E-08	5.34E-08	6.90E-08	2.43E-09	8.72E-09	1.12E-08	1.31E-09	4.04E-09	5.35E-09
2361	437452.81	3762419.73	1.55E-08	5.27E-08	6.82E-08	2.40E-09	8.61E-09	1.10E-08	1.29E-09	3.99E-09	5.29E-09
2362	437443.42	3762419.73	1.53E-08	5.21E-08	6.73E-08	2.37E-09	8.51E-09	1.09E-08	1.28E-09	3.95E-09	5.22E-09
2363	437582.06	3762400.48	1.58E-08	5.38E-08	6.95E-08	2.45E-09	8.79E-09	1.12E-08	1.32E-09	4.07E-09	5.39E-09
2364	437590.71	3762404.06	1.62E-08	5.52E-08	7.14E-08	2.52E-09	9.02E-09	1.15E-08	1.36E-09	4.18E-09	5.54E-09
2365	437599.36	3762407.65	1.66E-08	5.66E-08	7.32E-08	2.58E-09	9.25E-09	1.18E-08	1.39E-09	4.29E-09	5.68E-09
2366	437608.01	3762411.23	1.7E-08	5.80E-08	7.50E-08	2.64E-09	9.48E-09	1.21E-08	1.42E-09	4.40E-09	5.82E-09
2367	437616.66	3762414.82	1.74E-08	5.94E-08	7.68E-08	2.71E-09	9.71E-09	1.24E-08	1.46E-09	4.50E-09	5.96E-09
2368	437625.31	3762418.41	1.78E-08	6.08E-08	7.86E-08	2.77E-09	9.93E-09	1.27E-08	1.49E-09	4.61E-09	6.10E-09
2369	437633.96	3762421.99	1.82E-08	6.21E-08	8.03E-08	2.83E-09	1.01E-08	1.30E-08	1.52E-09	4.71E-09	6.23E-09
2370	437642.6	3762425.58	1.86E-08	6.34E-08	8.20E-08	2.89E-09	1.04E-08	1.32E-08	1.56E-09	4.80E-09	6.36E-09
2371	437651.25	3762429.16	1.9E-08	6.46E-08	8.36E-08	2.95E-09	1.06E-08	1.35E-08	1.59E-09	4.90E-09	6.48E-09
2372	437659.9	3762432.75	1.93E-08	6.58E-08	8.51E-08	3.00E-09	1.08E-08	1.38E-08	1.62E-09	4.99E-09	6.60E-09
2373	437668.55	3762436.33	1.96E-08	6.70E-08	8.66E-08	3.05E-09	1.09E-08	1.40E-08	1.64E-09	5.07E-09	6.72E-09
2374	437677.2	3762439.92	2E-08	6.80E-08	8.80E-08	3.10E-09	1.11E-08	1.42E-08	1.67E-09	5.16E-09	6.83E-09
2375	437685.85	3762443.51	2.03E-08	6.91E-08	8.93E-08	3.15E-09	1.13E-08	1.44E-08	1.70E-09	5.23E-09	6.93E-09

2376	437694.5	3762447.09	2.05E-08	7.00E-08	9.05E-08	3.19E-09	1.14E-08	1.46E-08	1.72E-09	5.31E-09	7.02E-09
2377	437703.15	3762450.68	2.08E-08	7.09E-08	9.17E-08	3.23E-09	1.16E-08	1.48E-08	1.74E-09	5.37E-09	7.11E-09
2378	437711.8	3762454.26	2.1E-08	7.17E-08	9.28E-08	3.27E-09	1.17E-08	1.50E-08	1.76E-09	5.43E-09	7.20E-09
2379	437720.45	3762457.85	2.13E-08	7.25E-08	9.37E-08	3.30E-09	1.18E-08	1.51E-08	1.78E-09	5.49E-09	7.27E-09
2380	437729.1	3762461.43	2.15E-08	7.32E-08	9.46E-08	3.33E-09	1.20E-08	1.53E-08	1.80E-09	5.54E-09	7.34E-09
2381	437737.75	3762465.02	2.16E-08	7.38E-08	9.54E-08	3.36E-09	1.21E-08	1.54E-08	1.81E-09	5.59E-09	7.40E-09
2382	437746.4	3762468.61	2.18E-08	7.43E-08	9.61E-08	3.39E-09	1.21E-08	1.55E-08	1.82E-09	5.63E-09	7.46E-09
2383	437755.05	3762472.19	2.19E-08	7.48E-08	9.67E-08	3.41E-09	1.22E-08	1.56E-08	1.84E-09	5.67E-09	7.50E-09
2384	437763.7	3762475.78	2.21E-08	7.52E-08	9.73E-08	3.43E-09	1.23E-08	1.57E-08	1.85E-09	5.70E-09	7.54E-09
2385	437772.35	3762479.36	2.22E-08	7.56E-08	9.77E-08	3.44E-09	1.23E-08	1.58E-08	1.85E-09	5.73E-09	7.58E-09
2386	437781	3762482.95	2.22E-08	7.59E-08	9.81E-08	3.46E-09	1.24E-08	1.58E-08	1.86E-09	5.75E-09	7.61E-09
2387	437793.22	3762495.19	2.32E-08	7.92E-08	1.02E-07	3.61E-09	1.29E-08	1.65E-08	1.94E-09	6.00E-09	7.95E-09
2388	437796.79	3762503.84	2.42E-08	8.24E-08	1.07E-07	3.76E-09	1.35E-08	1.72E-08	2.02E-09	6.25E-09	8.27E-09
2389	437800.37	3762512.5	2.52E-08	8.58E-08	1.11E-07	3.91E-09	1.40E-08	1.79E-08	2.11E-09	6.50E-09	8.61E-09
2390	437803.94	3762521.15	2.62E-08	8.93E-08	1.16E-07	4.07E-09	1.46E-08	1.87E-08	2.19E-09	6.77E-09	8.96E-09
2391	437807.51	3762529.81	2.73E-08	9.30E-08	1.20E-07	4.24E-09	1.52E-08	1.94E-08	2.28E-09	7.05E-09	9.33E-09
2392	437811.09	3762538.46	2.84E-08	9.69E-08	1.25E-07	4.41E-09	1.58E-08	2.02E-08	2.38E-09	7.34E-09	9.72E-09
2393	437814.66	3762547.11	2.96E-08	1.01E-07	1.31E-07	4.60E-09	1.65E-08	2.11E-08	2.48E-09	7.65E-09	1.01E-08
2394	437818.24	3762555.77	3.09E-08	1.05E-07	1.36E-07	4.79E-09	1.72E-08	2.20E-08	2.58E-09	7.97E-09	1.06E-08
2395	437821.81	3762564.42	3.22E-08	1.10E-07	1.42E-07	5.00E-09	1.79E-08	2.29E-08	2.69E-09	8.31E-09	1.10E-08
2396	437825.38	3762573.08	3.35E-08	1.14E-07	1.48E-07	5.21E-09	1.87E-08	2.39E-08	2.81E-09	8.67E-09	1.15E-08
2397	437828.96	3762581.73	3.5E-08	1.19E-07	1.54E-07	5.44E-09	1.95E-08	2.49E-08	2.93E-09	9.04E-09	1.20E-08
2398	437832.53	3762590.39	3.65E-08	1.24E-07	1.61E-07	5.67E-09	2.03E-08	2.60E-08	3.05E-09	9.42E-09	1.25E-08
2399	437836.11	3762599.04	3.8E-08	1.30E-07	1.68E-07	5.91E-09	2.12E-08	2.71E-08	3.18E-09	9.83E-09	1.30E-08
2400	437839.68	3762607.69	3.96E-08	1.35E-07	1.75E-07	6.16E-09	2.21E-08	2.82E-08	3.32E-09	1.02E-08	1.36E-08
2401	437843.25	3762616.35	4.13E-08	1.41E-07	1.82E-07	6.42E-09	2.30E-08	2.94E-08	3.46E-09	1.07E-08	1.41E-08
2402	437846.83	3762625	4.31E-08	1.47E-07	1.90E-07	6.69E-09	2.40E-08	3.07E-08	3.60E-09	1.11E-08	1.47E-08
2403	437850.4	3762633.66	4.48E-08	1.53E-07	1.98E-07	6.97E-09	2.50E-08	3.19E-08	3.75E-09	1.16E-08	1.53E-08
2404	437853.97	3762642.31	4.67E-08	1.59E-07	2.06E-07	7.25E-09	2.60E-08	3.32E-08	3.91E-09	1.21E-08	1.60E-08
2405	437857.55	3762650.97	4.85E-08	1.65E-07	2.14E-07	7.54E-09	2.70E-08	3.46E-08	4.06E-09	1.25E-08	1.66E-08
2406	437861.12	3762659.62	5.04E-08	1.72E-07	2.22E-07	7.83E-09	2.81E-08	3.59E-08	4.22E-09	1.30E-08	1.72E-08
2407	437864.7	3762668.27	5.23E-08	1.78E-07	2.31E-07	8.13E-09	2.92E-08	3.73E-08	4.38E-09	1.35E-08	1.79E-08
2408	437868.27	3762676.93	5.43E-08	1.85E-07	2.39E-07	8.43E-09	3.02E-08	3.87E-08	4.54E-09	1.40E-08	1.86E-08
2409	437871.84	3762685.58	5.62E-08	1.92E-07	2.48E-07	8.73E-09	3.13E-08	4.00E-08	4.70E-09	1.45E-08	1.92E-08
2410	437875.42	3762694.24	5.81E-08	1.98E-07	2.56E-07	9.03E-09	3.24E-08	4.14E-08	4.86E-09	1.50E-08	1.99E-08
2411	437878.99	3762702.89	6E-08	2.04E-07	2.64E-07	9.32E-09	3.34E-08	4.27E-08	5.02E-09	1.55E-08	2.05E-08
2412	437882.57	3762711.55	6.18E-08	2.11E-07	2.72E-07	9.60E-09	3.44E-08	4.40E-08	5.17E-09	1.60E-08	2.11E-08
2413	437546.72	3762389.72	1.44E-08	4.91E-08	6.35E-08	2.24E-09	8.02E-09	1.03E-08	1.20E-09	3.72E-09	4.92E-09
2414	437537.33	3762389.72	1.43E-08	4.86E-08	6.29E-08	2.22E-09	7.95E-09	1.02E-08	1.19E-09	3.69E-09	4.88E-09
2415	437527.94	3762389.72	1.41E-08	4.82E-08	6.23E-08	2.19E-09	7.87E-09	1.01E-08	1.18E-09	3.65E-09	4.83E-09
2416	437518.55	3762389.72	1.4E-08	4.77E-08	6.17E-08	2.17E-09	7.79E-09	9.96E-09	1.17E-09	3.61E-09	4.78E-09
2417	437509.16	3762389.72	1.38E-08	4.72E-08	6.10E-08	2.15E-09	7.71E-09	9.86E-09	1.16E-09	3.57E-09	4.73E-09
2418	437499.77	3762389.73	1.37E-08	4.67E-08	6.04E-08	2.13E-09	7.62E-09	9.75E-09	1.15E-09	3.54E-09	4.68E-09
2419	437490.37	3762389.73	1.35E-08	4.61E-08	5.97E-08	2.10E-09	7.54E-09	9.64E-09	1.13E-09	3.50E-09	4.63E-09
2420	437480.98	3762389.73	1.34E-08	4.56E-08	5.90E-08	2.08E-09	7.45E-09	9.53E-09	1.12E-09	3.46E-09	4.58E-09
2421	437471.59	3762389.73	1.32E-08	4.51E-08	5.83E-08	2.05E-09	7.37E-09	9.42E-09	1.11E-09	3.42E-09	4.52E-09
2422	437462.2	3762389.73	1.31E-08	4.46E-08	5.76E-08	2.03E-09	7.28E-09	9.31E-09	1.09E-09	3.38E-09	4.47E-09
2423	437452.81	3762389.73	1.29E-08	4.41E-08	5.70E-08	2.01E-09	7.20E-09	9.20E-09	1.08E-09	3.34E-09	4.42E-09
2424	437443.42	3762389.73	1.28E-08	4.35E-08	5.63E-08	1.98E-09	7.11E-09	9.10E-09	1.07E-09	3.30E-09	4.37E-09
2425	437581.58	3762370.28	1.33E-08	4.53E-08	5.85E-08	2.06E-09	7.40E-09	9.46E-09	1.11E-09	3.43E-09	4.54E-09
2426	437590.08	3762373.8	1.36E-08	4.64E-08	6.00E-08	2.11E-09	7.58E-09	9.70E-09	1.14E-09	3.52E-09	4.66E-09
2427	437598.57	3762377.32	1.39E-08	4.76E-08	6.15E-08	2.17E-09	7.77E-09	9.93E-09	1.17E-09	3.60E-09	4.77E-09
2428	437607.06	3762380.84	1.43E-08	4.87E-08	6.30E-08	2.22E-09	7.95E-09	1.02E-08	1.20E-09	3.69E-09	4.88E-09
2429	437615.55	3762384.36	1.46E-08	4.98E-08	6.44E-08	2.27E-09	8.14E-09	1.04E-08	1.22E-09	3.77E-09	5.00E-09
2430	437624.05	3762387.88	1.49E-08	5.09E-08	6.59E-08	2.32E-09	8.32E-09	1.06E-08	1.25E-09	3.86E-09	5.11E-09
2431	437632.54	3762391.4	1.53E-08	5.20E-08	6.73E-08	2.37E-09	8.50E-09	1.09E-08	1.28E-09	3.94E-09	5.22E-09
2432	437641.03	3762394.93	1.56E-08	5.31E-08	6.87E-08	2.42E-09	8.67E-09	1.11E-08	1.30E-09	4.02E-09	5.33E-09
2433	437649.52	3762398.45	1.59E-08	5.41E-08	7.00E-08	2.47E-09	8.84E-09	1.13E-08	1.33E-09	4.10E-09	5.43E-09
2434	437658.01	3762401.97	1.62E-08	5.52E-08	7.13E-08	2.51E-09	9.01E-09	1.15E-08	1.35E-09	4.18E-09	5.53E-09
2435	437666.51	3762405.49	1.65E-08	5.61E-08	7.26E-08	2.56E-09	9.17E-09	1.17E-08	1.38E-09	4.25E-09	5.63E-09
2436	437675	3762409.01	1.67E-08	5.71E-08	7.38E-08	2.60E-09	9.32E-09	1.19E-08	1.40E-09	4.32E-09	5.73E-09

2437	437683.49	3762412.53	1.7E-08	5.80E-08	7.50E-08	2.64E-09	9.47E-09	1.21E-08	1.42E-09	4.39E-09	5.82E-09
2438	437691.98	3762416.05	1.72E-08	5.88E-08	7.61E-08	2.68E-09	9.61E-09	1.23E-08	1.44E-09	4.46E-09	5.90E-09
2439	437700.47	3762419.57	1.75E-08	5.96E-08	7.71E-08	2.72E-09	9.74E-09	1.25E-08	1.46E-09	4.52E-09	5.98E-09
2440	437708.97	3762423.09	1.77E-08	6.04E-08	7.81E-08	2.75E-09	9.86E-09	1.26E-08	1.48E-09	4.58E-09	6.06E-09
2441	437717.46	3762426.61	1.79E-08	6.11E-08	7.90E-08	2.78E-09	9.98E-09	1.28E-08	1.50E-09	4.63E-09	6.13E-09
2442	437725.95	3762430.13	1.81E-08	6.17E-08	7.99E-08	2.81E-09	1.01E-08	1.29E-08	1.52E-09	4.68E-09	6.19E-09
2443	437734.44	3762433.65	1.83E-08	6.24E-08	8.06E-08	2.84E-09	1.02E-08	1.30E-08	1.53E-09	4.73E-09	6.26E-09
2444	437742.94	3762437.17	1.85E-08	6.29E-08	8.14E-08	2.87E-09	1.03E-08	1.31E-08	1.54E-09	4.77E-09	6.31E-09
2445	437751.43	3762440.69	1.86E-08	6.34E-08	8.20E-08	2.89E-09	1.04E-08	1.33E-08	1.56E-09	4.81E-09	6.36E-09
2446	437759.92	3762444.21	1.87E-08	6.39E-08	8.26E-08	2.91E-09	1.04E-08	1.33E-08	1.57E-09	4.84E-09	6.41E-09
2447	437768.41	3762447.73	1.89E-08	6.43E-08	8.31E-08	2.93E-09	1.05E-08	1.34E-08	1.58E-09	4.87E-09	6.45E-09
2448	437776.9	3762451.25	1.9E-08	6.46E-08	8.36E-08	2.95E-09	1.06E-08	1.35E-08	1.59E-09	4.90E-09	6.49E-09
2449	437785.4	3762454.77	1.9E-08	6.50E-08	8.40E-08	2.96E-09	1.06E-08	1.36E-08	1.59E-09	4.92E-09	6.52E-09
2450	437793.89	3762458.29	1.91E-08	6.52E-08	8.44E-08	2.97E-09	1.07E-08	1.36E-08	1.60E-09	4.94E-09	6.54E-09
2451	437802.38	3762461.82	1.92E-08	6.55E-08	8.47E-08	2.98E-09	1.07E-08	1.37E-08	1.61E-09	4.96E-09	6.57E-09
2452	437814.38	3762473.83	2E-08	6.81E-08	8.80E-08	3.10E-09	1.11E-08	1.42E-08	1.67E-09	5.16E-09	6.83E-09
2453	437817.89	3762482.33	2.07E-08	7.06E-08	9.13E-08	3.22E-09	1.15E-08	1.47E-08	1.73E-09	5.35E-09	7.08E-09
2454	437821.4	3762490.83	2.15E-08	7.32E-08	9.47E-08	3.34E-09	1.20E-08	1.53E-08	1.80E-09	5.55E-09	7.34E-09
2455	437824.91	3762499.32	2.23E-08	7.59E-08	9.82E-08	3.46E-09	1.24E-08	1.59E-08	1.86E-09	5.75E-09	7.62E-09
2456	437828.42	3762507.82	2.31E-08	7.87E-08	1.02E-07	3.59E-09	1.29E-08	1.65E-08	1.93E-09	5.97E-09	7.90E-09
2457	437831.93	3762516.32	2.4E-08	8.17E-08	1.06E-07	3.72E-09	1.33E-08	1.71E-08	2.01E-09	6.19E-09	8.20E-09
2458	437835.43	3762524.81	2.49E-08	8.48E-08	1.10E-07	3.86E-09	1.39E-08	1.77E-08	2.08E-09	6.43E-09	8.51E-09
2459	437838.94	3762533.31	2.58E-08	8.80E-08	1.14E-07	4.01E-09	1.44E-08	1.84E-08	2.16E-09	6.67E-09	8.83E-09
2460	437842.45	3762541.81	2.68E-08	9.14E-08	1.18E-07	4.17E-09	1.49E-08	1.91E-08	2.24E-09	6.93E-09	9.17E-09
2461	437845.96	3762550.31	2.79E-08	9.50E-08	1.23E-07	4.33E-09	1.55E-08	1.98E-08	2.33E-09	7.20E-09	9.53E-09
2462	437849.47	3762558.8	2.89E-08	9.87E-08	1.28E-07	4.50E-09	1.61E-08	2.06E-08	2.42E-09	7.48E-09	9.90E-09
2463	437852.98	3762567.3	3.01E-08	1.03E-07	1.33E-07	4.67E-09	1.68E-08	2.14E-08	2.52E-09	7.77E-09	1.03E-08
2464	437856.49	3762575.8	3.13E-08	1.07E-07	1.38E-07	4.86E-09	1.74E-08	2.23E-08	2.62E-09	8.08E-09	1.07E-08
2465	437860	3762584.29	3.25E-08	1.11E-07	1.43E-07	5.05E-09	1.81E-08	2.31E-08	2.72E-09	8.39E-09	1.11E-08
2466	437863.51	3762592.79	3.37E-08	1.15E-07	1.49E-07	5.24E-09	1.88E-08	2.40E-08	2.82E-09	8.72E-09	1.15E-08
2467	437867.01	3762601.29	3.51E-08	1.20E-07	1.55E-07	5.45E-09	1.95E-08	2.50E-08	2.94E-09	9.06E-09	1.20E-08
2468	437870.52	3762609.78	3.64E-08	1.24E-07	1.61E-07	5.66E-09	2.03E-08	2.60E-08	3.05E-09	9.41E-09	1.25E-08
2469	437874.03	3762618.28	3.78E-08	1.29E-07	1.67E-07	5.88E-09	2.11E-08	2.70E-08	3.17E-09	9.77E-09	1.29E-08
2470	437877.54	3762626.78	3.93E-08	1.34E-07	1.73E-07	6.10E-09	2.19E-08	2.80E-08	3.29E-09	1.01E-08	1.34E-08
2471	437881.05	3762635.27	4.07E-08	1.39E-07	1.80E-07	6.33E-09	2.27E-08	2.90E-08	3.41E-09	1.05E-08	1.39E-08
2472	437884.56	3762643.77	4.22E-08	1.44E-07	1.86E-07	6.56E-09	2.35E-08	3.01E-08	3.53E-09	1.09E-08	1.44E-08
2473	437888.07	3762652.27	4.37E-08	1.49E-07	1.93E-07	6.80E-09	2.44E-08	3.12E-08	3.66E-09	1.13E-08	1.50E-08
2474	437891.58	3762660.77	4.53E-08	1.54E-07	2.00E-07	7.03E-09	2.52E-08	3.22E-08	3.79E-09	1.17E-08	1.55E-08
2475	437895.09	3762669.26	4.68E-08	1.60E-07	2.06E-07	7.27E-09	2.61E-08	3.33E-08	3.92E-09	1.21E-08	1.60E-08
2476	437898.6	3762677.76	4.84E-08	1.65E-07	2.13E-07	7.51E-09	2.69E-08	3.44E-08	4.05E-09	1.25E-08	1.65E-08
2477	437902.1	3762686.26	4.99E-08	1.70E-07	2.20E-07	7.75E-09	2.78E-08	3.55E-08	4.18E-09	1.29E-08	1.71E-08
2478	437905.61	3762694.75	5.14E-08	1.75E-07	2.27E-07	7.99E-09	2.86E-08	3.66E-08	4.30E-09	1.33E-08	1.76E-08
2479	437909.12	3762703.25	5.29E-08	1.80E-07	2.33E-07	8.21E-09	2.94E-08	3.77E-08	4.43E-09	1.37E-08	1.81E-08
2480	437912.63	3762711.75	5.43E-08	1.85E-07	2.39E-07	8.44E-09	3.02E-08	3.87E-08	4.54E-09	1.40E-08	1.86E-08
2481	437546.72	3762359.72	1.22E-08	4.15E-08	5.37E-08	1.89E-09	6.78E-09	8.67E-09	1.02E-09	3.15E-09	4.16E-09
2482	437537.33	3762359.72	1.21E-08	4.11E-08	5.32E-08	1.87E-09	6.72E-09	8.59E-09	1.01E-09	3.12E-09	4.13E-09
2483	437527.94	3762359.72	1.19E-08	4.07E-08	5.27E-08	1.86E-09	6.65E-09	8.51E-09	9.99E-10	3.09E-09	4.09E-09
2484	437518.54	3762359.72	1.18E-08	4.03E-08	5.21E-08	1.84E-09	6.58E-09	8.42E-09	9.89E-10	3.05E-09	4.04E-09
2485	437509.15	3762359.72	1.17E-08	3.99E-08	5.16E-08	1.82E-09	6.52E-09	8.33E-09	9.79E-10	3.02E-09	4.00E-09
2486	437499.76	3762359.73	1.16E-08	3.95E-08	5.10E-08	1.80E-09	6.45E-09	8.25E-09	9.69E-10	2.99E-09	3.96E-09
2487	437490.37	3762359.73	1.14E-08	3.90E-08	5.05E-08	1.78E-09	6.38E-09	8.16E-09	9.58E-10	2.96E-09	3.92E-09
2488	437480.98	3762359.73	1.13E-08	3.86E-08	4.99E-08	1.76E-09	6.31E-09	8.07E-09	9.48E-10	2.93E-09	3.87E-09
2489	437471.59	3762359.73	1.12E-08	3.82E-08	4.94E-08	1.74E-09	6.24E-09	7.98E-09	9.37E-10	2.89E-09	3.83E-09
2490	437462.2	3762359.73	1.11E-08	3.78E-08	4.88E-08	1.72E-09	6.17E-09	7.89E-09	9.27E-10	2.86E-09	3.79E-09
2491	437452.81	3762359.73	1.1E-08	3.73E-08	4.83E-08	1.70E-09	6.10E-09	7.80E-09	9.17E-10	2.83E-09	3.75E-09
2492	437443.42	3762359.73	1.08E-08	3.69E-08	4.78E-08	1.68E-09	6.04E-09	7.72E-09	9.07E-10	2.80E-09	3.71E-09
2493	437581.98	3762340.45	1.13E-08	3.87E-08	5.00E-08	1.76E-09	6.32E-09	8.08E-09	9.50E-10	2.93E-09	3.88E-09
2494	437590.6	3762344.02	1.16E-08	3.96E-08	5.13E-08	1.81E-09	6.48E-09	8.28E-09	9.73E-10	3.00E-09	3.98E-09
2495	437599.23	3762347.6	1.19E-08	4.06E-08	5.25E-08	1.85E-09	6.63E-09	8.48E-09	9.97E-10	3.08E-09	4.07E-09
2496	437607.85	3762351.17	1.22E-08	4.16E-08	5.38E-08	1.89E-09	6.79E-09	8.68E-09	1.02E-09	3.15E-09	4.17E-09
2497	437616.48	3762354.75	1.25E-08	4.25E-08	5.50E-08	1.94E-09	6.95E-09	8.88E-09	1.04E-09	3.22E-09	4.27E-09

2498	437625.1	3762358.32	1.27E-08	4.35E-08	5.62E-08	1.98E-09	7.10E-09	9.08E-09	1.07E-09	3.29E-09	4.36E-09
2499	437633.73	3762361.9	1.3E-08	4.44E-08	5.74E-08	2.02E-09	7.25E-09	9.28E-09	1.09E-09	3.36E-09	4.45E-09
2500	437642.35	3762365.48	1.33E-08	4.53E-08	5.86E-08	2.06E-09	7.40E-09	9.47E-09	1.11E-09	3.43E-09	4.55E-09
2501	437650.98	3762369.05	1.36E-08	4.62E-08	5.98E-08	2.11E-09	7.55E-09	9.65E-09	1.13E-09	3.50E-09	4.64E-09
2502	437659.6	3762372.63	1.38E-08	4.71E-08	6.09E-08	2.15E-09	7.69E-09	9.84E-09	1.16E-09	3.57E-09	4.72E-09
2503	437668.23	3762376.2	1.41E-08	4.79E-08	6.20E-08	2.18E-09	7.83E-09	1.00E-08	1.18E-09	3.63E-09	4.81E-09
2504	437676.85	3762379.78	1.43E-08	4.88E-08	6.31E-08	2.22E-09	7.97E-09	1.02E-08	1.20E-09	3.69E-09	4.89E-09
2505	437685.48	3762383.35	1.45E-08	4.96E-08	6.41E-08	2.26E-09	8.09E-09	1.04E-08	1.22E-09	3.75E-09	4.97E-09
2506	437694.1	3762386.93	1.48E-08	5.03E-08	6.51E-08	2.29E-09	8.22E-09	1.05E-08	1.23E-09	3.81E-09	5.05E-09
2507	437702.73	3762390.5	1.5E-08	5.10E-08	6.60E-08	2.33E-09	8.34E-09	1.07E-08	1.25E-09	3.87E-09	5.12E-09
2508	437711.35	3762394.08	1.52E-08	5.17E-08	6.69E-08	2.36E-09	8.45E-09	1.08E-08	1.27E-09	3.92E-09	5.19E-09
2509	437719.98	3762397.66	1.54E-08	5.24E-08	6.77E-08	2.39E-09	8.56E-09	1.09E-08	1.29E-09	3.97E-09	5.25E-09
2510	437728.6	3762401.23	1.55E-08	5.30E-08	6.85E-08	2.41E-09	8.66E-09	1.11E-08	1.30E-09	4.01E-09	5.32E-09
2511	437737.23	3762404.81	1.57E-08	5.36E-08	6.93E-08	2.44E-09	8.75E-09	1.12E-08	1.31E-09	4.06E-09	5.37E-09
2512	437745.85	3762408.38	1.59E-08	5.41E-08	6.99E-08	2.46E-09	8.83E-09	1.13E-08	1.33E-09	4.10E-09	5.43E-09
2513	437754.48	3762411.96	1.6E-08	5.46E-08	7.06E-08	2.49E-09	8.91E-09	1.14E-08	1.34E-09	4.14E-09	5.47E-09
2514	437763.1	3762415.53	1.61E-08	5.50E-08	7.12E-08	2.51E-09	8.99E-09	1.15E-08	1.35E-09	4.17E-09	5.52E-09
2515	437771.73	3762419.11	1.63E-08	5.54E-08	7.17E-08	2.53E-09	9.05E-09	1.16E-08	1.36E-09	4.20E-09	5.56E-09
2516	437780.35	3762422.68	1.64E-08	5.58E-08	7.22E-08	2.54E-09	9.11E-09	1.17E-08	1.37E-09	4.23E-09	5.60E-09
2517	437788.98	3762426.26	1.65E-08	5.61E-08	7.26E-08	2.56E-09	9.17E-09	1.17E-08	1.38E-09	4.25E-09	5.63E-09
2518	437797.6	3762429.83	1.65E-08	5.64E-08	7.30E-08	2.57E-09	9.22E-09	1.18E-08	1.38E-09	4.27E-09	5.66E-09
2519	437806.23	3762433.41	1.66E-08	5.67E-08	7.33E-08	2.58E-09	9.26E-09	1.18E-08	1.39E-09	4.29E-09	5.68E-09
2520	437814.85	3762436.99	1.67E-08	5.69E-08	7.36E-08	2.59E-09	9.29E-09	1.19E-08	1.40E-09	4.31E-09	5.71E-09
2521	437823.48	3762440.56	1.67E-08	5.71E-08	7.38E-08	2.60E-09	9.32E-09	1.19E-08	1.40E-09	4.32E-09	5.72E-09
2522	437835.66	3762452.77	1.74E-08	5.92E-08	7.66E-08	2.70E-09	9.67E-09	1.24E-08	1.45E-09	4.49E-09	5.94E-09
2523	437839.23	3762461.4	1.8E-08	6.13E-08	7.92E-08	2.79E-09	1.00E-08	1.28E-08	1.50E-09	4.64E-09	6.15E-09
2524	437842.79	3762470.03	1.86E-08	6.34E-08	8.20E-08	2.89E-09	1.04E-08	1.32E-08	1.56E-09	4.80E-09	6.36E-09
2525	437846.36	3762478.66	1.92E-08	6.56E-08	8.49E-08	2.99E-09	1.07E-08	1.37E-08	1.61E-09	4.97E-09	6.58E-09
2526	437849.92	3762487.29	1.99E-08	6.79E-08	8.78E-08	3.10E-09	1.11E-08	1.42E-08	1.67E-09	5.15E-09	6.81E-09
2527	437853.48	3762495.92	2.06E-08	7.03E-08	9.09E-08	3.20E-09	1.15E-08	1.47E-08	1.73E-09	5.33E-09	7.06E-09
2528	437857.05	3762504.55	2.14E-08	7.28E-08	9.42E-08	3.32E-09	1.19E-08	1.52E-08	1.79E-09	5.52E-09	7.31E-09
2529	437860.61	3762513.17	2.21E-08	7.54E-08	9.76E-08	3.44E-09	1.23E-08	1.58E-08	1.85E-09	5.72E-09	7.57E-09
2530	437864.17	3762521.8	2.29E-08	7.82E-08	1.01E-07	3.56E-09	1.28E-08	1.63E-08	1.92E-09	5.92E-09	7.84E-09
2531	437867.74	3762530.43	2.38E-08	8.10E-08	1.05E-07	3.69E-09	1.32E-08	1.69E-08	1.99E-09	6.14E-09	8.13E-09
2532	437871.3	3762539.06	2.46E-08	8.40E-08	1.09E-07	3.83E-09	1.37E-08	1.75E-08	2.06E-09	6.36E-09	8.42E-09
2533	437874.86	3762547.69	2.55E-08	8.71E-08	1.13E-07	3.97E-09	1.42E-08	1.82E-08	2.14E-09	6.60E-09	8.73E-09
2534	437878.43	3762556.32	2.65E-08	9.03E-08	1.17E-07	4.11E-09	1.48E-08	1.89E-08	2.22E-09	6.84E-09	9.06E-09
2535	437881.99	3762564.95	2.75E-08	9.37E-08	1.21E-07	4.27E-09	1.53E-08	1.96E-08	2.30E-09	7.10E-09	9.40E-09
2536	437885.56	3762573.58	2.85E-08	9.72E-08	1.26E-07	4.43E-09	1.59E-08	2.03E-08	2.39E-09	7.36E-09	9.75E-09
2537	437889.12	3762582.21	2.96E-08	1.01E-07	1.30E-07	4.59E-09	1.65E-08	2.11E-08	2.47E-09	7.64E-09	1.01E-08
2538	437892.68	3762590.84	3.07E-08	1.05E-07	1.35E-07	4.77E-09	1.71E-08	2.18E-08	2.57E-09	7.92E-09	1.05E-08
2539	437896.25	3762599.47	3.18E-08	1.08E-07	1.40E-07	4.94E-09	1.77E-08	2.27E-08	2.66E-09	8.22E-09	1.09E-08
2540	437899.81	3762608.1	3.3E-08	1.12E-07	1.45E-07	5.12E-09	1.84E-08	2.35E-08	2.76E-09	8.52E-09	1.13E-08
2541	437903.37	3762616.73	3.42E-08	1.17E-07	1.51E-07	5.31E-09	1.90E-08	2.44E-08	2.86E-09	8.83E-09	1.17E-08
2542	437906.94	3762625.36	3.54E-08	1.21E-07	1.56E-07	5.50E-09	1.97E-08	2.52E-08	2.96E-09	9.15E-09	1.21E-08
2543	437910.5	3762633.99	3.67E-08	1.25E-07	1.62E-07	5.70E-09	2.04E-08	2.61E-08	3.07E-09	9.47E-09	1.25E-08
2544	437914.07	3762642.62	3.79E-08	1.29E-07	1.67E-07	5.89E-09	2.11E-08	2.70E-08	3.18E-09	9.80E-09	1.30E-08
2545	437917.63	3762651.25	3.92E-08	1.34E-07	1.73E-07	6.09E-09	2.18E-08	2.79E-08	3.28E-09	1.01E-08	1.34E-08
2546	437921.19	3762659.88	4.05E-08	1.38E-07	1.79E-07	6.29E-09	2.26E-08	2.89E-08	3.39E-09	1.05E-08	1.39E-08
2547	437924.76	3762668.51	4.18E-08	1.43E-07	1.84E-07	6.50E-09	2.33E-08	2.98E-08	3.50E-09	1.08E-08	1.43E-08
2548	437928.32	3762677.14	4.31E-08	1.47E-07	1.90E-07	6.69E-09	2.40E-08	3.07E-08	3.61E-09	1.11E-08	1.47E-08
2549	437931.88	3762685.77	4.44E-08	1.51E-07	1.96E-07	6.89E-09	2.47E-08	3.16E-08	3.71E-09	1.15E-08	1.52E-08
2550	437935.45	3762694.4	4.56E-08	1.56E-07	2.01E-07	7.09E-09	2.54E-08	3.25E-08	3.82E-09	1.18E-08	1.56E-08
2551	437939.01	3762703.03	4.68E-08	1.60E-07	2.07E-07	7.28E-09	2.61E-08	3.34E-08	3.92E-09	1.21E-08	1.60E-08
2552	437942.58	3762711.66	4.8E-08	1.64E-07	2.12E-07	7.46E-09	2.67E-08	3.42E-08	4.02E-09	1.24E-08	1.64E-08
2553	437546.71	3762329.72	1.04E-08	3.55E-08	4.60E-08	1.62E-09	5.81E-09	7.43E-09	8.72E-10	2.69E-09	3.57E-09
2554	437537.32	3762329.72	1.03E-08	3.52E-08	4.55E-08	1.60E-09	5.75E-09	7.36E-09	8.64E-10	2.67E-09	3.53E-09
2555	437527.93	3762329.72	1.02E-08	3.49E-08	4.51E-08	1.59E-09	5.69E-09	7.28E-09	8.56E-10	2.64E-09	3.50E-09
2556	437518.54	3762329.72	1.01E-08	3.45E-08	4.46E-08	1.57E-09	5.64E-09	7.21E-09	8.47E-10	2.62E-09	3.46E-09
2557	437509.15	3762329.72	1E-08	3.42E-08	4.42E-08	1.56E-09	5.58E-09	7.14E-09	8.39E-10	2.59E-09	3.43E-09
2558	437499.76	3762329.73	9.91E-09	3.38E-08	4.37E-08	1.54E-09	5.52E-09	7.06E-09	8.30E-10	2.56E-09	3.39E-09

2559	437490.37	3762329.73	9.81E-09	3.35E-08	4.33E-08	1.52E-09	5.47E-09	6.99E-09	8.21E-10	2.53E-09	3.36E-09
2560	437480.98	3762329.73	9.71E-09	3.31E-08	4.28E-08	1.51E-09	5.41E-09	6.92E-09	8.12E-10	2.51E-09	3.32E-09
2561	437471.59	3762329.73	9.6E-09	3.28E-08	4.24E-08	1.49E-09	5.35E-09	6.84E-09	8.04E-10	2.48E-09	3.29E-09
2562	437462.2	3762329.73	9.5E-09	3.24E-08	4.19E-08	1.48E-09	5.29E-09	6.77E-09	7.95E-10	2.46E-09	3.25E-09
2563	437452.81	3762329.73	9.4E-09	3.21E-08	4.15E-08	1.46E-09	5.24E-09	6.70E-09	7.87E-10	2.43E-09	3.22E-09
2564	437443.42	3762329.73	9.31E-09	3.17E-08	4.10E-08	1.45E-09	5.18E-09	6.63E-09	7.79E-10	2.40E-09	3.18E-09
2565	437581.58	3762310.28	9.78E-09	3.34E-08	4.31E-08	1.52E-09	5.45E-09	6.97E-09	8.19E-10	2.53E-09	3.35E-09
2566	437590.07	3762313.8	1E-08	3.42E-08	4.42E-08	1.56E-09	5.58E-09	7.14E-09	8.38E-10	2.59E-09	3.43E-09
2567	437598.56	3762317.32	1.02E-08	3.49E-08	4.52E-08	1.59E-09	5.71E-09	7.30E-09	8.58E-10	2.65E-09	3.51E-09
2568	437607.06	3762320.84	1.05E-08	3.57E-08	4.62E-08	1.63E-09	5.84E-09	7.47E-09	8.77E-10	2.71E-09	3.58E-09
2569	437615.55	3762324.36	1.07E-08	3.65E-08	4.72E-08	1.66E-09	5.97E-09	7.63E-09	8.96E-10	2.77E-09	3.66E-09
2570	437624.04	3762327.88	1.09E-08	3.73E-08	4.82E-08	1.70E-09	6.09E-09	7.79E-09	9.16E-10	2.83E-09	3.74E-09
2571	437632.53	3762331.4	1.12E-08	3.81E-08	4.92E-08	1.74E-09	6.22E-09	7.96E-09	9.35E-10	2.89E-09	3.82E-09
2572	437641.02	3762334.93	1.14E-08	3.89E-08	5.02E-08	1.77E-09	6.35E-09	8.12E-09	9.54E-10	2.94E-09	3.90E-09
2573	437649.52	3762338.45	1.16E-08	3.96E-08	5.12E-08	1.80E-09	6.47E-09	8.28E-09	9.72E-10	3.00E-09	3.97E-09
2574	437658.01	3762341.97	1.18E-08	4.04E-08	5.22E-08	1.84E-09	6.59E-09	8.43E-09	9.91E-10	3.06E-09	4.05E-09
2575	437666.5	3762345.49	1.2E-08	4.11E-08	5.31E-08	1.87E-09	6.71E-09	8.58E-09	1.01E-09	3.11E-09	4.12E-09
2576	437674.99	3762349.01	1.23E-08	4.18E-08	5.40E-08	1.90E-09	6.83E-09	8.73E-09	1.03E-09	3.17E-09	4.19E-09
2577	437683.48	3762352.53	1.25E-08	4.25E-08	5.49E-08	1.94E-09	6.94E-09	8.88E-09	1.04E-09	3.22E-09	4.26E-09
2578	437691.98	3762356.05	1.27E-08	4.31E-08	5.58E-08	1.97E-09	7.05E-09	9.01E-09	1.06E-09	3.27E-09	4.33E-09
2579	437700.47	3762359.57	1.28E-08	4.38E-08	5.66E-08	2.00E-09	7.15E-09	9.15E-09	1.07E-09	3.32E-09	4.39E-09
2580	437708.96	3762363.09	1.3E-08	4.44E-08	5.74E-08	2.02E-09	7.25E-09	9.28E-09	1.09E-09	3.36E-09	4.45E-09
2581	437717.45	3762366.61	1.32E-08	4.50E-08	5.82E-08	2.05E-09	7.35E-09	9.40E-09	1.10E-09	3.41E-09	4.51E-09
2582	437725.95	3762370.13	1.34E-08	4.56E-08	5.89E-08	2.08E-09	7.44E-09	9.52E-09	1.12E-09	3.45E-09	4.57E-09
2583	437734.44	3762373.65	1.35E-08	4.61E-08	5.96E-08	2.10E-09	7.53E-09	9.63E-09	1.13E-09	3.49E-09	4.62E-09
2584	437742.93	3762377.17	1.37E-08	4.66E-08	6.02E-08	2.12E-09	7.61E-09	9.73E-09	1.14E-09	3.53E-09	4.67E-09
2585	437751.42	3762380.69	1.38E-08	4.70E-08	6.08E-08	2.14E-09	7.69E-09	9.83E-09	1.15E-09	3.56E-09	4.72E-09
2586	437759.91	3762384.21	1.39E-08	4.75E-08	6.14E-08	2.16E-09	7.76E-09	9.92E-09	1.17E-09	3.60E-09	4.76E-09
2587	437768.41	3762387.73	1.4E-08	4.79E-08	6.19E-08	2.18E-09	7.82E-09	1.00E-08	1.18E-09	3.63E-09	4.80E-09
2588	437776.9	3762391.25	1.42E-08	4.83E-08	6.24E-08	2.20E-09	7.88E-09	1.01E-08	1.18E-09	3.66E-09	4.84E-09
2589	437785.39	3762394.77	1.43E-08	4.86E-08	6.29E-08	2.22E-09	7.94E-09	1.02E-08	1.19E-09	3.68E-09	4.88E-09
2590	437793.88	3762398.29	1.43E-08	4.89E-08	6.33E-08	2.23E-09	7.99E-09	1.02E-08	1.20E-09	3.71E-09	4.91E-09
2591	437802.37	3762401.82	1.44E-08	4.92E-08	6.37E-08	2.24E-09	8.04E-09	1.03E-08	1.21E-09	3.73E-09	4.94E-09
2592	437810.87	3762405.34	1.45E-08	4.95E-08	6.40E-08	2.25E-09	8.08E-09	1.03E-08	1.21E-09	3.75E-09	4.96E-09
2593	437819.36	3762408.86	1.46E-08	4.97E-08	6.43E-08	2.26E-09	8.12E-09	1.04E-08	1.22E-09	3.77E-09	4.99E-09
2594	437827.85	3762412.38	1.46E-08	4.99E-08	6.45E-08	2.27E-09	8.15E-09	1.04E-08	1.22E-09	3.78E-09	5.01E-09
2595	437836.34	3762415.9	1.47E-08	5.01E-08	6.48E-08	2.28E-09	8.18E-09	1.05E-08	1.23E-09	3.79E-09	5.02E-09
2596	437844.84	3762419.42	1.47E-08	5.02E-08	6.49E-08	2.29E-09	8.20E-09	1.05E-08	1.23E-09	3.81E-09	5.04E-09
2597	437856.84	3762431.44	1.52E-08	5.19E-08	6.72E-08	2.37E-09	8.48E-09	1.09E-08	1.27E-09	3.94E-09	5.21E-09
2598	437860.35	3762439.93	1.57E-08	5.36E-08	6.93E-08	2.44E-09	8.75E-09	1.12E-08	1.32E-09	4.06E-09	5.38E-09
2599	437863.85	3762448.43	1.62E-08	5.53E-08	7.15E-08	2.52E-09	9.03E-09	1.16E-08	1.36E-09	4.19E-09	5.55E-09
2600	437867.36	3762456.93	1.67E-08	5.71E-08	7.38E-08	2.60E-09	9.32E-09	1.19E-08	1.40E-09	4.32E-09	5.72E-09
2601	437870.87	3762465.42	1.73E-08	5.89E-08	7.62E-08	2.68E-09	9.62E-09	1.23E-08	1.45E-09	4.46E-09	5.91E-09
2602	437874.38	3762473.92	1.78E-08	6.08E-08	7.86E-08	2.77E-09	9.93E-09	1.27E-08	1.49E-09	4.61E-09	6.10E-09
2603	437877.89	3762482.42	1.84E-08	6.28E-08	8.12E-08	2.86E-09	1.03E-08	1.31E-08	1.54E-09	4.76E-09	6.30E-09
2604	437881.4	3762490.91	1.9E-08	6.48E-08	8.38E-08	2.95E-09	1.06E-08	1.35E-08	1.59E-09	4.91E-09	6.50E-09
2605	437884.91	3762499.41	1.96E-08	6.70E-08	8.66E-08	3.05E-09	1.09E-08	1.40E-08	1.64E-09	5.07E-09	6.72E-09
2606	437888.42	3762507.91	2.03E-08	6.92E-08	8.95E-08	3.15E-09	1.13E-08	1.45E-08	1.70E-09	5.24E-09	6.94E-09
2607	437891.93	3762516.4	2.1E-08	7.15E-08	9.25E-08	3.26E-09	1.17E-08	1.49E-08	1.75E-09	5.42E-09	7.17E-09
2608	437895.43	3762524.9	2.17E-08	7.39E-08	9.56E-08	3.37E-09	1.21E-08	1.54E-08	1.81E-09	5.60E-09	7.41E-09
2609	437898.94	3762533.4	2.24E-08	7.64E-08	9.88E-08	3.48E-09	1.25E-08	1.60E-08	1.88E-09	5.79E-09	7.67E-09
2610	437902.45	3762541.9	2.32E-08	7.90E-08	1.02E-07	3.60E-09	1.29E-08	1.65E-08	1.94E-09	5.99E-09	7.93E-09
2611	437905.96	3762550.39	2.4E-08	8.17E-08	1.06E-07	3.72E-09	1.34E-08	1.71E-08	2.01E-09	6.19E-09	8.20E-09
2612	437909.47	3762558.89	2.48E-08	8.46E-08	1.09E-07	3.85E-09	1.38E-08	1.77E-08	2.08E-09	6.41E-09	8.48E-09
2613	437912.98	3762567.39	2.57E-08	8.75E-08	1.13E-07	3.99E-09	1.43E-08	1.83E-08	2.15E-09	6.63E-09	8.77E-09
2614	437916.49	3762575.88	2.65E-08	9.05E-08	1.17E-07	4.12E-09	1.48E-08	1.89E-08	2.22E-09	6.86E-09	9.08E-09
2615	437920	3762584.38	2.75E-08	9.36E-08	1.21E-07	4.27E-09	1.53E-08	1.96E-08	2.30E-09	7.09E-09	9.39E-09
2616	437923.51	3762592.88	2.84E-08	9.69E-08	1.25E-07	4.41E-09	1.58E-08	2.02E-08	2.38E-09	7.34E-09	9.72E-09
2617	437930.52	3762609.87	3.04E-08	1.04E-07	1.34E-07	4.72E-09	1.69E-08	2.16E-08	2.54E-09	7.85E-09	1.04E-08
2618	437934.03	3762618.37	3.14E-08	1.07E-07	1.38E-07	4.88E-09	1.75E-08	2.24E-08	2.63E-09	8.11E-09	1.07E-08
2619	437937.54	3762626.87	3.24E-08	1.11E-07	1.43E-07	5.04E-09	1.81E-08	2.31E-08	2.71E-09	8.38E-09	1.11E-08

2620	437941.05	3762635.36	3.35E-08	1.14E-07	1.48E-07	5.20E-09	1.87E-08	2.39E-08	2.80E-09	8.65E-09	1.15E-08
2621	437546.71	3762299.72	9.02E-09	3.08E-08	3.98E-08	1.40E-09	5.03E-09	6.43E-09	7.55E-10	2.33E-09	3.09E-09
2622	437537.32	3762299.72	8.94E-09	3.05E-08	3.94E-08	1.39E-09	4.98E-09	6.37E-09	7.48E-10	2.31E-09	3.06E-09
2623	437527.93	3762299.72	8.85E-09	3.02E-08	3.90E-08	1.38E-09	4.93E-09	6.31E-09	7.41E-10	2.29E-09	3.03E-09
2624	437518.54	3762299.72	8.77E-09	2.99E-08	3.87E-08	1.36E-09	4.88E-09	6.25E-09	7.34E-10	2.27E-09	3.00E-09
2625	437509.15	3762299.72	8.68E-09	2.96E-08	3.83E-08	1.35E-09	4.83E-09	6.18E-09	7.26E-10	2.24E-09	2.97E-09
2626	437499.76	3762299.73	8.59E-09	2.93E-08	3.79E-08	1.33E-09	4.79E-09	6.12E-09	7.19E-10	2.22E-09	2.94E-09
2627	437490.37	3762299.73	8.5E-09	2.90E-08	3.75E-08	1.32E-09	4.74E-09	6.06E-09	7.12E-10	2.20E-09	2.91E-09
2628	437480.98	3762299.73	8.42E-09	2.87E-08	3.71E-08	1.31E-09	4.69E-09	6.00E-09	7.04E-10	2.17E-09	2.88E-09
2629	437471.59	3762299.73	8.33E-09	2.84E-08	3.67E-08	1.29E-09	4.64E-09	5.93E-09	6.97E-10	2.15E-09	2.85E-09
2630	437462.19	3762299.73	8.25E-09	2.81E-08	3.64E-08	1.28E-09	4.59E-09	5.87E-09	6.90E-10	2.13E-09	2.82E-09
2631	437452.8	3762299.73	8.16E-09	2.78E-08	3.60E-08	1.27E-09	4.55E-09	5.82E-09	6.83E-10	2.11E-09	2.79E-09
2632	437443.41	3762299.73	8.08E-09	2.76E-08	3.56E-08	1.26E-09	4.50E-09	5.76E-09	6.77E-10	2.09E-09	2.77E-09
2633	437581.92	3762280.42	8.54E-09	2.91E-08	3.77E-08	1.33E-09	4.76E-09	6.08E-09	7.15E-10	2.21E-09	2.92E-09
2634	437590.53	3762283.99	8.73E-09	2.98E-08	3.85E-08	1.36E-09	4.87E-09	6.22E-09	7.31E-10	2.26E-09	2.99E-09
2635	437599.13	3762287.56	8.93E-09	3.05E-08	3.94E-08	1.39E-09	4.98E-09	6.36E-09	7.48E-10	2.31E-09	3.06E-09
2636	437607.74	3762291.13	9.13E-09	3.11E-08	4.03E-08	1.42E-09	5.09E-09	6.51E-09	7.64E-10	2.36E-09	3.12E-09
2637	437616.35	3762294.7	9.33E-09	3.18E-08	4.12E-08	1.45E-09	5.20E-09	6.65E-09	7.81E-10	2.41E-09	3.19E-09
2638	437624.96	3762298.26	9.53E-09	3.25E-08	4.20E-08	1.48E-09	5.31E-09	6.79E-09	7.98E-10	2.46E-09	3.26E-09
2639	437633.56	3762301.83	9.73E-09	3.32E-08	4.29E-08	1.51E-09	5.42E-09	6.93E-09	8.14E-10	2.51E-09	3.33E-09
2640	437642.17	3762305.4	9.92E-09	3.38E-08	4.38E-08	1.54E-09	5.53E-09	7.07E-09	8.31E-10	2.56E-09	3.39E-09
2641	437650.78	3762308.97	1.01E-08	3.45E-08	4.46E-08	1.57E-09	5.64E-09	7.21E-09	8.47E-10	2.61E-09	3.46E-09
2642	437659.38	3762312.54	1.03E-08	3.51E-08	4.54E-08	1.60E-09	5.74E-09	7.34E-09	8.63E-10	2.66E-09	3.53E-09
2643	437667.99	3762316.11	1.05E-08	3.58E-08	4.63E-08	1.63E-09	5.85E-09	7.48E-09	8.78E-10	2.71E-09	3.59E-09
2644	437676.6	3762319.67	1.07E-08	3.64E-08	4.71E-08	1.66E-09	5.95E-09	7.61E-09	8.94E-10	2.76E-09	3.65E-09
2645	437685.2	3762323.24	1.09E-08	3.70E-08	4.79E-08	1.69E-09	6.05E-09	7.73E-09	9.09E-10	2.80E-09	3.71E-09
2646	437693.81	3762326.81	1.1E-08	3.76E-08	4.86E-08	1.71E-09	6.14E-09	7.86E-09	9.23E-10	2.85E-09	3.77E-09
2647	437702.42	3762330.38	1.12E-08	3.82E-08	4.94E-08	1.74E-09	6.24E-09	7.98E-09	9.37E-10	2.89E-09	3.83E-09
2648	437711.02	3762333.95	1.14E-08	3.87E-08	5.01E-08	1.76E-09	6.33E-09	8.09E-09	9.51E-10	2.93E-09	3.89E-09
2649	437719.63	3762337.51	1.15E-08	3.93E-08	5.08E-08	1.79E-09	6.41E-09	8.20E-09	9.64E-10	2.97E-09	3.94E-09
2650	437728.24	3762341.08	1.17E-08	3.98E-08	5.14E-08	1.81E-09	6.50E-09	8.31E-09	9.76E-10	3.01E-09	3.99E-09
2651	437736.85	3762344.65	1.18E-08	4.02E-08	5.21E-08	1.83E-09	6.58E-09	8.41E-09	9.88E-10	3.05E-09	4.04E-09
2652	437745.45	3762348.22	1.19E-08	4.07E-08	5.27E-08	1.86E-09	6.65E-09	8.51E-09	9.99E-10	3.08E-09	4.08E-09
2653	437754.06	3762351.79	1.21E-08	4.11E-08	5.32E-08	1.87E-09	6.72E-09	8.60E-09	1.01E-09	3.12E-09	4.13E-09
2654	437762.67	3762355.35	1.22E-08	4.16E-08	5.37E-08	1.89E-09	6.79E-09	8.68E-09	1.02E-09	3.15E-09	4.17E-09
2655	437771.27	3762358.92	1.23E-08	4.19E-08	5.42E-08	1.91E-09	6.85E-09	8.76E-09	1.03E-09	3.18E-09	4.21E-09
2656	437779.88	3762362.49	1.24E-08	4.23E-08	5.47E-08	1.93E-09	6.91E-09	8.84E-09	1.04E-09	3.21E-09	4.24E-09
2657	437788.49	3762366.06	1.25E-08	4.26E-08	5.51E-08	1.94E-09	6.96E-09	8.91E-09	1.05E-09	3.23E-09	4.28E-09
2658	437797.09	3762369.63	1.26E-08	4.29E-08	5.55E-08	1.96E-09	7.02E-09	8.97E-09	1.05E-09	3.25E-09	4.31E-09
2659	437805.7	3762373.19	1.27E-08	4.32E-08	5.59E-08	1.97E-09	7.06E-09	9.03E-09	1.06E-09	3.28E-09	4.34E-09
2660	437814.31	3762376.76	1.28E-08	4.35E-08	5.62E-08	1.98E-09	7.10E-09	9.09E-09	1.07E-09	3.30E-09	4.36E-09
2661	437822.91	3762380.33	1.28E-08	4.37E-08	5.66E-08	1.99E-09	7.14E-09	9.14E-09	1.07E-09	3.31E-09	4.39E-09
2662	437831.52	3762383.9	1.29E-08	4.39E-08	5.68E-08	2.00E-09	7.18E-09	9.18E-09	1.08E-09	3.33E-09	4.41E-09
2663	437840.13	3762387.47	1.29E-08	4.41E-08	5.71E-08	2.01E-09	7.21E-09	9.22E-09	1.08E-09	3.34E-09	4.43E-09
2664	437848.73	3762391.04	1.3E-08	4.43E-08	5.73E-08	2.02E-09	7.24E-09	9.26E-09	1.09E-09	3.36E-09	4.44E-09
2665	437857.34	3762394.6	1.3E-08	4.44E-08	5.75E-08	2.03E-09	7.26E-09	9.29E-09	1.09E-09	3.37E-09	4.46E-09
2666	437865.95	3762398.17	1.31E-08	4.46E-08	5.76E-08	2.03E-09	7.28E-09	9.31E-09	1.09E-09	3.38E-09	4.47E-09
2667	437878.11	3762410.35	1.35E-08	4.60E-08	5.95E-08	2.10E-09	7.51E-09	9.61E-09	1.13E-09	3.49E-09	4.61E-09
2668	437881.67	3762418.96	1.39E-08	4.74E-08	6.13E-08	2.16E-09	7.74E-09	9.90E-09	1.16E-09	3.59E-09	4.75E-09
2669	437885.22	3762427.57	1.43E-08	4.88E-08	6.31E-08	2.22E-09	7.97E-09	1.02E-08	1.20E-09	3.70E-09	4.90E-09
2670	437888.78	3762436.19	1.47E-08	5.03E-08	6.50E-08	2.29E-09	8.21E-09	1.05E-08	1.23E-09	3.81E-09	5.04E-09
2671	437892.34	3762444.8	1.52E-08	5.18E-08	6.70E-08	2.36E-09	8.46E-09	1.08E-08	1.27E-09	3.93E-09	5.20E-09
2672	437895.89	3762453.41	1.57E-08	5.34E-08	6.90E-08	2.43E-09	8.72E-09	1.12E-08	1.31E-09	4.05E-09	5.36E-09
2673	437899.45	3762462.02	1.61E-08	5.50E-08	7.12E-08	2.51E-09	8.99E-09	1.15E-08	1.35E-09	4.17E-09	5.52E-09
2674	437903.01	3762470.63	1.66E-08	5.67E-08	7.34E-08	2.58E-09	9.27E-09	1.19E-08	1.39E-09	4.30E-09	5.69E-09
2675	437906.56	3762479.25	1.72E-08	5.85E-08	7.56E-08	2.66E-09	9.55E-09	1.22E-08	1.44E-09	4.43E-09	5.87E-09
2676	437910.12	3762487.86	1.77E-08	6.03E-08	7.80E-08	2.75E-09	9.85E-09	1.26E-08	1.48E-09	4.57E-09	6.05E-09
2677	437913.68	3762496.47	1.82E-08	6.22E-08	8.05E-08	2.83E-09	1.02E-08	1.30E-08	1.53E-09	4.71E-09	6.24E-09
2678	437917.23	3762505.08	1.88E-08	6.42E-08	8.30E-08	2.92E-09	1.05E-08	1.34E-08	1.58E-09	4.86E-09	6.44E-09
2679	437920.79	3762513.69	1.94E-08	6.62E-08	8.57E-08	3.02E-09	1.08E-08	1.38E-08	1.63E-09	5.02E-09	6.65E-09
2680	437924.34	3762522.3	2.01E-08	6.84E-08	8.84E-08	3.12E-09	1.12E-08	1.43E-08	1.68E-09	5.18E-09	6.86E-09

2681	437927.9	3762530.92	2.07E-08	7.06E-08	9.13E-08	3.22E-09	1.15E-08	1.48E-08	1.73E-09	5.35E-09	7.08E-09
2682	437931.46	3762539.53	2.14E-08	7.29E-08	9.43E-08	3.32E-09	1.19E-08	1.52E-08	1.79E-09	5.52E-09	7.31E-09
2683	437935.01	3762548.14	2.21E-08	7.53E-08	9.73E-08	3.43E-09	1.23E-08	1.57E-08	1.85E-09	5.70E-09	7.55E-09
2684	437938.57	3762556.75	2.28E-08	7.77E-08	1.01E-07	3.54E-09	1.27E-08	1.62E-08	1.91E-09	5.89E-09	7.80E-09
2685	437995.47	3762694.54	3.67E-08	1.25E-07	1.62E-07	5.70E-09	2.04E-08	2.61E-08	3.07E-09	9.48E-09	1.25E-08
2686	437999.03	3762703.15	3.75E-08	1.28E-07	1.65E-07	5.83E-09	2.09E-08	2.67E-08	3.14E-09	9.69E-09	1.28E-08
2687	438002.58	3762711.76	3.83E-08	1.31E-07	1.69E-07	5.95E-09	2.14E-08	2.73E-08	3.21E-09	9.90E-09	1.31E-08
2688	437546.71	3762269.72	7.89E-09	2.69E-08	3.48E-08	1.23E-09	4.39E-09	5.62E-09	6.60E-10	2.04E-09	2.70E-09
2689	437537.32	3762269.72	7.82E-09	2.67E-08	3.45E-08	1.21E-09	4.35E-09	5.57E-09	6.54E-10	2.02E-09	2.67E-09
2690	437527.93	3762269.72	7.75E-09	2.64E-08	3.42E-08	1.20E-09	4.31E-09	5.52E-09	6.48E-10	2.00E-09	2.65E-09
2691	437518.54	3762269.72	7.67E-09	2.62E-08	3.38E-08	1.19E-09	4.27E-09	5.47E-09	6.42E-10	1.98E-09	2.62E-09
2692	437509.15	3762269.72	7.6E-09	2.59E-08	3.35E-08	1.18E-09	4.23E-09	5.41E-09	6.36E-10	1.96E-09	2.60E-09
2693	437499.76	3762269.73	7.52E-09	2.57E-08	3.32E-08	1.17E-09	4.19E-09	5.36E-09	6.30E-10	1.94E-09	2.57E-09
2694	437490.36	3762269.73	7.45E-09	2.54E-08	3.28E-08	1.16E-09	4.15E-09	5.31E-09	6.23E-10	1.92E-09	2.55E-09
2695	437480.97	3762269.73	7.37E-09	2.51E-08	3.25E-08	1.15E-09	4.11E-09	5.25E-09	6.17E-10	1.91E-09	2.52E-09
2696	437471.58	3762269.73	7.3E-09	2.49E-08	3.22E-08	1.13E-09	4.07E-09	5.20E-09	6.11E-10	1.89E-09	2.50E-09
2697	437462.19	3762269.73	7.23E-09	2.47E-08	3.19E-08	1.12E-09	4.03E-09	5.15E-09	6.05E-10	1.87E-09	2.47E-09
2698	437452.8	3762269.73	7.16E-09	2.44E-08	3.16E-08	1.11E-09	3.99E-09	5.10E-09	5.99E-10	1.85E-09	2.45E-09
2699	437443.41	3762269.73	7.09E-09	2.42E-08	3.13E-08	1.10E-09	3.95E-09	5.05E-09	5.94E-10	1.83E-09	2.43E-09
2700	437649.51	3762278.45	8.84E-09	3.01E-08	3.90E-08	1.37E-09	4.92E-09	6.30E-09	7.40E-10	2.28E-09	3.02E-09
2701	437658	3762281.97	9E-09	3.07E-08	3.97E-08	1.40E-09	5.01E-09	6.41E-09	7.54E-10	2.33E-09	3.08E-09
2702	437666.5	3762285.49	9.16E-09	3.12E-08	4.04E-08	1.42E-09	5.10E-09	6.53E-09	7.67E-10	2.37E-09	3.13E-09
2703	437674.99	3762289.01	9.32E-09	3.18E-08	4.11E-08	1.45E-09	5.19E-09	6.64E-09	7.80E-10	2.41E-09	3.19E-09
2704	437683.48	3762292.53	9.48E-09	3.23E-08	4.18E-08	1.47E-09	5.28E-09	6.75E-09	7.93E-10	2.45E-09	3.24E-09
2705	437691.97	3762296.05	9.63E-09	3.28E-08	4.25E-08	1.50E-09	5.36E-09	6.86E-09	8.06E-10	2.49E-09	3.29E-09
2706	437700.46	3762299.57	9.77E-09	3.33E-08	4.31E-08	1.52E-09	5.45E-09	6.96E-09	8.18E-10	2.53E-09	3.34E-09
2707	437708.96	3762303.09	9.92E-09	3.38E-08	4.37E-08	1.54E-09	5.52E-09	7.07E-09	8.30E-10	2.56E-09	3.39E-09
2708	437717.45	3762306.61	1.01E-08	3.43E-08	4.44E-08	1.56E-09	5.60E-09	7.17E-09	8.42E-10	2.60E-09	3.44E-09
2709	437725.94	3762310.13	1.02E-08	3.48E-08	4.49E-08	1.58E-09	5.68E-09	7.26E-09	8.53E-10	2.63E-09	3.49E-09
2710	437734.43	3762313.65	1.03E-08	3.52E-08	4.55E-08	1.60E-09	5.75E-09	7.35E-09	8.64E-10	2.67E-09	3.53E-09
2711	437742.92	3762317.17	1.04E-08	3.56E-08	4.61E-08	1.62E-09	5.82E-09	7.44E-09	8.74E-10	2.70E-09	3.57E-09
2712	437751.42	3762320.69	1.06E-08	3.60E-08	4.66E-08	1.64E-09	5.88E-09	7.53E-09	8.84E-10	2.73E-09	3.61E-09
2713	437759.91	3762324.21	1.07E-08	3.64E-08	4.71E-08	1.66E-09	5.95E-09	7.61E-09	8.94E-10	2.76E-09	3.65E-09
2714	437768.4	3762327.73	1.08E-08	3.68E-08	4.76E-08	1.68E-09	6.01E-09	7.68E-09	9.03E-10	2.79E-09	3.69E-09
2715	437776.89	3762331.25	1.09E-08	3.71E-08	4.80E-08	1.69E-09	6.06E-09	7.76E-09	9.11E-10	2.81E-09	3.72E-09
2716	437785.39	3762334.77	1.1E-08	3.74E-08	4.84E-08	1.71E-09	6.12E-09	7.82E-09	9.19E-10	2.84E-09	3.76E-09
2717	437793.88	3762338.29	1.11E-08	3.78E-08	4.88E-08	1.72E-09	6.17E-09	7.89E-09	9.27E-10	2.86E-09	3.79E-09
2718	437802.37	3762341.82	1.12E-08	3.80E-08	4.92E-08	1.73E-09	6.21E-09	7.95E-09	9.34E-10	2.88E-09	3.82E-09
2719	437810.86	3762345.34	1.12E-08	3.83E-08	4.95E-08	1.75E-09	6.26E-09	8.00E-09	9.40E-10	2.90E-09	3.84E-09
2720	437819.35	3762348.86	1.13E-08	3.86E-08	4.99E-08	1.76E-09	6.30E-09	8.06E-09	9.46E-10	2.92E-09	3.87E-09
2721	437827.85	3762352.38	1.14E-08	3.88E-08	5.02E-08	1.77E-09	6.34E-09	8.10E-09	9.52E-10	2.94E-09	3.89E-09
2722	437836.34	3762355.9	1.14E-08	3.90E-08	5.04E-08	1.78E-09	6.37E-09	8.15E-09	9.57E-10	2.95E-09	3.91E-09
2723	437844.83	3762359.42	1.15E-08	3.92E-08	5.07E-08	1.79E-09	6.40E-09	8.19E-09	9.62E-10	2.97E-09	3.93E-09
2724	437853.32	3762362.94	1.15E-08	3.94E-08	5.09E-08	1.79E-09	6.43E-09	8.22E-09	9.66E-10	2.98E-09	3.95E-09
2725	437861.81	3762366.46	1.16E-08	3.95E-08	5.11E-08	1.80E-09	6.45E-09	8.25E-09	9.70E-10	2.99E-09	3.96E-09
2726	437870.31	3762369.98	1.16E-08	3.96E-08	5.13E-08	1.81E-09	6.48E-09	8.28E-09	9.73E-10	3.00E-09	3.98E-09
2727	437878.8	3762373.5	1.17E-08	3.98E-08	5.14E-08	1.81E-09	6.49E-09	8.31E-09	9.76E-10	3.01E-09	3.99E-09
2728	437887.29	3762377.02	1.17E-08	3.98E-08	5.15E-08	1.82E-09	6.51E-09	8.33E-09	9.78E-10	3.02E-09	4.00E-09
2729	437899.29	3762389.04	1.2E-08	4.10E-08	5.31E-08	1.87E-09	6.70E-09	8.57E-09	1.01E-09	3.11E-09	4.12E-09
2730	437902.8	3762397.53	1.24E-08	4.22E-08	5.45E-08	1.92E-09	6.89E-09	8.81E-09	1.03E-09	3.20E-09	4.23E-09
2731	437906.31	3762406.03	1.27E-08	4.33E-08	5.60E-08	1.97E-09	7.08E-09	9.05E-09	1.06E-09	3.28E-09	4.35E-09
2732	437909.82	3762414.53	1.31E-08	4.46E-08	5.76E-08	2.03E-09	7.28E-09	9.31E-09	1.09E-09	3.38E-09	4.47E-09
2733	437913.33	3762423.03	1.34E-08	4.58E-08	5.92E-08	2.09E-09	7.48E-09	9.57E-09	1.12E-09	3.47E-09	4.59E-09
2734	437916.84	3762431.52	1.38E-08	4.71E-08	6.09E-08	2.15E-09	7.69E-09	9.84E-09	1.16E-09	3.57E-09	4.72E-09
2735	437920.35	3762440.02	1.42E-08	4.84E-08	6.26E-08	2.21E-09	7.91E-09	1.01E-08	1.19E-09	3.67E-09	4.86E-09
2736	437923.85	3762448.52	1.46E-08	4.98E-08	6.44E-08	2.27E-09	8.13E-09	1.04E-08	1.22E-09	3.77E-09	4.99E-09
2737	437927.36	3762457.01	1.5E-08	5.12E-08	6.62E-08	2.33E-09	8.36E-09	1.07E-08	1.26E-09	3.88E-09	5.14E-09
2738	437930.87	3762465.51	1.54E-08	5.27E-08	6.81E-08	2.40E-09	8.60E-09	1.10E-08	1.29E-09	3.99E-09	5.28E-09
2739	437934.38	3762474.01	1.59E-08	5.42E-08	7.01E-08	2.47E-09	8.85E-09	1.13E-08	1.33E-09	4.11E-09	5.44E-09
2740	437937.89	3762482.5	1.64E-08	5.58E-08	7.21E-08	2.54E-09	9.11E-09	1.17E-08	1.37E-09	4.23E-09	5.59E-09
2741	437941.4	3762491	1.68E-08	5.74E-08	7.42E-08	2.62E-09	9.38E-09	1.20E-08	1.41E-09	4.35E-09	5.76E-09

2742	437944.91	3762499.5	1.73E-08	5.91E-08	7.64E-08	2.69E-09	9.66E-09	1.23E-08	1.45E-09	4.48E-09	5.93E-09
2743	437994.03	3762618.46	2.64E-08	9.00E-08	1.16E-07	4.10E-09	1.47E-08	1.88E-08	2.21E-09	6.82E-09	9.03E-09
2744	437997.54	3762626.95	2.71E-08	9.26E-08	1.20E-07	4.22E-09	1.51E-08	1.93E-08	2.27E-09	7.01E-09	9.29E-09
2745	438001.05	3762635.45	2.79E-08	9.52E-08	1.23E-07	4.34E-09	1.55E-08	1.99E-08	2.34E-09	7.21E-09	9.55E-09
2746	438004.56	3762643.95	2.87E-08	9.78E-08	1.26E-07	4.46E-09	1.60E-08	2.04E-08	2.40E-09	7.41E-09	9.81E-09
2747	438008.07	3762652.44	2.94E-08	1.00E-07	1.30E-07	4.58E-09	1.64E-08	2.10E-08	2.46E-09	7.61E-09	1.01E-08
2748	438011.58	3762660.94	3.02E-08	1.03E-07	1.33E-07	4.69E-09	1.68E-08	2.15E-08	2.53E-09	7.81E-09	1.03E-08
2749	438015.09	3762669.44	3.1E-08	1.06E-07	1.37E-07	4.81E-09	1.72E-08	2.21E-08	2.59E-09	8.00E-09	1.06E-08
2750	438018.59	3762677.93	3.17E-08	1.08E-07	1.40E-07	4.93E-09	1.77E-08	2.26E-08	2.65E-09	8.19E-09	1.08E-08
2751	438022.1	3762686.43	3.24E-08	1.11E-07	1.43E-07	5.04E-09	1.81E-08	2.31E-08	2.72E-09	8.38E-09	1.11E-08
2752	438025.61	3762694.93	3.32E-08	1.13E-07	1.46E-07	5.15E-09	1.85E-08	2.36E-08	2.78E-09	8.57E-09	1.13E-08
2753	438029.12	3762703.43	3.39E-08	1.15E-07	1.49E-07	5.26E-09	1.89E-08	2.41E-08	2.83E-09	8.75E-09	1.16E-08
2754	438032.63	3762711.92	3.45E-08	1.18E-07	1.52E-07	5.37E-09	1.92E-08	2.46E-08	2.89E-09	8.92E-09	1.18E-08
2755	437546.71	3762239.72	6.97E-09	2.38E-08	3.07E-08	1.08E-09	3.88E-09	4.96E-09	5.83E-10	1.80E-09	2.38E-09
2756	437537.32	3762239.72	6.9E-09	2.35E-08	3.04E-08	1.07E-09	3.85E-09	4.92E-09	5.78E-10	1.78E-09	2.36E-09
2757	437527.92	3762239.72	6.84E-09	2.33E-08	3.02E-08	1.06E-09	3.81E-09	4.87E-09	5.72E-10	1.77E-09	2.34E-09
2758	437518.53	3762239.72	6.77E-09	2.31E-08	2.99E-08	1.05E-09	3.77E-09	4.83E-09	5.67E-10	1.75E-09	2.32E-09
2759	437509.14	3762239.72	6.71E-09	2.29E-08	2.96E-08	1.04E-09	3.74E-09	4.78E-09	5.62E-10	1.73E-09	2.30E-09
2760	437499.75	3762239.73	6.65E-09	2.27E-08	2.93E-08	1.03E-09	3.70E-09	4.73E-09	5.56E-10	1.72E-09	2.27E-09
2761	437490.36	3762239.73	6.58E-09	2.24E-08	2.90E-08	1.02E-09	3.67E-09	4.69E-09	5.51E-10	1.70E-09	2.25E-09
2762	437480.97	3762239.73	6.52E-09	2.22E-08	2.87E-08	1.01E-09	3.63E-09	4.64E-09	5.46E-10	1.68E-09	2.23E-09
2763	437471.58	3762239.73	6.46E-09	2.20E-08	2.85E-08	1.00E-09	3.60E-09	4.60E-09	5.40E-10	1.67E-09	2.21E-09
2764	437462.19	3762239.73	6.4E-09	2.18E-08	2.82E-08	9.94E-10	3.56E-09	4.56E-09	5.35E-10	1.65E-09	2.19E-09
2765	437452.8	3762239.73	6.34E-09	2.16E-08	2.79E-08	9.85E-10	3.53E-09	4.52E-09	5.30E-10	1.64E-09	2.17E-09
2766	437443.41	3762239.73	6.28E-09	2.14E-08	2.77E-08	9.76E-10	3.50E-09	4.47E-09	5.26E-10	1.62E-09	2.15E-09
2767	437719.37	3762277.41	8.91E-09	3.04E-08	3.93E-08	1.38E-09	4.96E-09	6.35E-09	7.46E-10	2.30E-09	3.05E-09
2768	437727.96	3762280.97	9.03E-09	3.08E-08	3.98E-08	1.40E-09	5.03E-09	6.43E-09	7.56E-10	2.33E-09	3.09E-09
2769	437736.55	3762284.53	9.15E-09	3.12E-08	4.03E-08	1.42E-09	5.10E-09	6.52E-09	7.66E-10	2.36E-09	3.13E-09
2770	437745.15	3762288.09	9.26E-09	3.16E-08	4.08E-08	1.44E-09	5.16E-09	6.60E-09	7.75E-10	2.39E-09	3.17E-09
2771	437753.74	3762291.66	9.37E-09	3.20E-08	4.13E-08	1.46E-09	5.22E-09	6.68E-09	7.84E-10	2.42E-09	3.21E-09
2772	437762.33	3762295.22	9.47E-09	3.23E-08	4.18E-08	1.47E-09	5.28E-09	6.75E-09	7.93E-10	2.45E-09	3.24E-09
2773	437770.93	3762298.78	9.57E-09	3.26E-08	4.22E-08	1.49E-09	5.33E-09	6.82E-09	8.01E-10	2.47E-09	3.28E-09
2774	437779.52	3762302.34	9.67E-09	3.30E-08	4.26E-08	1.50E-09	5.39E-09	6.89E-09	8.09E-10	2.50E-09	3.31E-09
2775	437788.11	3762305.91	9.76E-09	3.33E-08	4.30E-08	1.52E-09	5.44E-09	6.95E-09	8.17E-10	2.52E-09	3.34E-09
2776	437796.71	3762309.47	9.85E-09	3.36E-08	4.34E-08	1.53E-09	5.48E-09	7.01E-09	8.24E-10	2.54E-09	3.37E-09
2777	437805.3	3762313.03	9.93E-09	3.38E-08	4.38E-08	1.54E-09	5.53E-09	7.07E-09	8.31E-10	2.56E-09	3.40E-09
2778	437813.89	3762316.59	1E-08	3.41E-08	4.41E-08	1.55E-09	5.57E-09	7.13E-09	8.37E-10	2.58E-09	3.42E-09
2779	437822.49	3762320.16	1.01E-08	3.43E-08	4.44E-08	1.57E-09	5.61E-09	7.18E-09	8.43E-10	2.60E-09	3.45E-09
2780	437831.08	3762323.72	1.01E-08	3.46E-08	4.47E-08	1.58E-09	5.65E-09	7.22E-09	8.49E-10	2.62E-09	3.47E-09
2781	437839.67	3762327.28	1.02E-08	3.48E-08	4.50E-08	1.59E-09	5.68E-09	7.27E-09	8.54E-10	2.64E-09	3.49E-09
2782	437848.27	3762330.84	1.03E-08	3.50E-08	4.52E-08	1.59E-09	5.71E-09	7.31E-09	8.59E-10	2.65E-09	3.51E-09
2783	437856.86	3762334.41	1.03E-08	3.52E-08	4.55E-08	1.60E-09	5.74E-09	7.35E-09	8.63E-10	2.66E-09	3.53E-09
2784	437865.45	3762337.97	1.04E-08	3.53E-08	4.57E-08	1.61E-09	5.77E-09	7.38E-09	8.67E-10	2.68E-09	3.54E-09
2785	437874.04	3762341.53	1.04E-08	3.55E-08	4.59E-08	1.62E-09	5.79E-09	7.41E-09	8.70E-10	2.69E-09	3.56E-09
2786	437882.64	3762345.09	1.04E-08	3.56E-08	4.60E-08	1.62E-09	5.81E-09	7.44E-09	8.74E-10	2.70E-09	3.57E-09
2787	437891.23	3762348.65	1.05E-08	3.57E-08	4.62E-08	1.63E-09	5.83E-09	7.46E-09	8.76E-10	2.71E-09	3.58E-09
2788	437899.82	3762352.22	1.05E-08	3.58E-08	4.63E-08	1.63E-09	5.85E-09	7.48E-09	8.79E-10	2.71E-09	3.59E-09
2789	437908.42	3762355.78	1.05E-08	3.59E-08	4.64E-08	1.64E-09	5.86E-09	7.50E-09	8.81E-10	2.72E-09	3.60E-09
2790	437920.56	3762367.94	1.08E-08	3.69E-08	4.77E-08	1.68E-09	6.03E-09	7.71E-09	9.05E-10	2.80E-09	3.70E-09
2791	437924.11	3762376.54	1.11E-08	3.79E-08	4.90E-08	1.73E-09	6.18E-09	7.91E-09	9.29E-10	2.87E-09	3.80E-09
2792	437927.66	3762385.14	1.14E-08	3.89E-08	5.03E-08	1.77E-09	6.35E-09	8.12E-09	9.54E-10	2.94E-09	3.90E-09
2793	437931.21	3762393.73	1.17E-08	3.99E-08	5.16E-08	1.82E-09	6.52E-09	8.33E-09	9.79E-10	3.02E-09	4.00E-09
2794	437934.76	3762402.33	1.2E-08	4.09E-08	5.29E-08	1.87E-09	6.69E-09	8.55E-09	1.00E-09	3.10E-09	4.11E-09
2795	437938.32	3762410.93	1.23E-08	4.20E-08	5.43E-08	1.91E-09	6.86E-09	8.78E-09	1.03E-09	3.18E-09	4.22E-09
2796	437941.87	3762419.53	1.27E-08	4.31E-08	5.58E-08	1.97E-09	7.05E-09	9.01E-09	1.06E-09	3.27E-09	4.33E-09
2797	437945.42	3762428.13	1.3E-08	4.43E-08	5.73E-08	2.02E-09	7.24E-09	9.25E-09	1.09E-09	3.36E-09	4.44E-09
2798	437948.97	3762436.73	1.33E-08	4.55E-08	5.88E-08	2.07E-09	7.43E-09	9.51E-09	1.12E-09	3.45E-09	4.56E-09
2799	437952.52	3762445.32	1.37E-08	4.67E-08	6.04E-08	2.13E-09	7.63E-09	9.76E-09	1.15E-09	3.54E-09	4.69E-09
2800	437956.07	3762453.92	1.41E-08	4.80E-08	6.21E-08	2.19E-09	7.84E-09	1.00E-08	1.18E-09	3.64E-09	4.82E-09
2801	438005.78	3762574.29	2.1E-08	7.16E-08	9.25E-08	3.26E-09	1.17E-08	1.49E-08	1.76E-09	5.42E-09	7.18E-09
2802	438009.33	3762582.89	2.16E-08	7.37E-08	9.53E-08	3.36E-09	1.20E-08	1.54E-08	1.81E-09	5.58E-09	7.39E-09

2803	438012.88	3762591.49	2.22E-08	7.58E-08	9.81E-08	3.46E-09	1.24E-08	1.58E-08	1.86E-09	5.75E-09	7.61E-09
2804	438016.43	3762600.09	2.29E-08	7.80E-08	1.01E-07	3.56E-09	1.27E-08	1.63E-08	1.92E-09	5.91E-09	7.83E-09
2805	438019.98	3762608.69	2.35E-08	8.02E-08	1.04E-07	3.66E-09	1.31E-08	1.68E-08	1.97E-09	6.08E-09	8.05E-09
2806	438023.53	3762617.29	2.42E-08	8.25E-08	1.07E-07	3.76E-09	1.35E-08	1.72E-08	2.02E-09	6.25E-09	8.27E-09
2807	438027.08	3762625.88	2.49E-08	8.47E-08	1.10E-07	3.86E-09	1.38E-08	1.77E-08	2.08E-09	6.42E-09	8.50E-09
2808	438030.63	3762634.48	2.55E-08	8.70E-08	1.13E-07	3.96E-09	1.42E-08	1.82E-08	2.14E-09	6.59E-09	8.73E-09
2809	438034.18	3762643.08	2.62E-08	8.93E-08	1.15E-07	4.07E-09	1.46E-08	1.87E-08	2.19E-09	6.77E-09	8.96E-09
2810	438037.73	3762651.68	2.69E-08	9.16E-08	1.18E-07	4.17E-09	1.50E-08	1.91E-08	2.25E-09	6.94E-09	9.19E-09
2811	438041.28	3762660.28	2.75E-08	9.38E-08	1.21E-07	4.28E-09	1.53E-08	1.96E-08	2.30E-09	7.11E-09	9.41E-09
2812	438044.84	3762668.87	2.82E-08	9.61E-08	1.24E-07	4.38E-09	1.57E-08	2.01E-08	2.36E-09	7.28E-09	9.64E-09
2813	438048.39	3762677.47	2.88E-08	9.83E-08	1.27E-07	4.48E-09	1.61E-08	2.05E-08	2.41E-09	7.45E-09	9.86E-09
2814	438051.94	3762686.07	2.95E-08	1.00E-07	1.30E-07	4.58E-09	1.64E-08	2.10E-08	2.47E-09	7.61E-09	1.01E-08
2815	438055.49	3762694.67	3.01E-08	1.03E-07	1.33E-07	4.67E-09	1.68E-08	2.14E-08	2.52E-09	7.77E-09	1.03E-08
2816	438059.04	3762703.27	3.07E-08	1.05E-07	1.35E-07	4.77E-09	1.71E-08	2.19E-08	2.57E-09	7.93E-09	1.05E-08
2817	438062.59	3762711.86	3.13E-08	1.07E-07	1.38E-07	4.86E-09	1.74E-08	2.23E-08	2.62E-09	8.08E-09	1.07E-08
2818	437546.7	3762209.72	6.2E-09	2.11E-08	2.73E-08	9.64E-10	3.45E-09	4.42E-09	5.19E-10	1.60E-09	2.12E-09
2819	437537.31	3762209.72	6.14E-09	2.10E-08	2.71E-08	9.55E-10	3.42E-09	4.38E-09	5.14E-10	1.59E-09	2.10E-09
2820	437527.92	3762209.72	6.09E-09	2.08E-08	2.68E-08	9.46E-10	3.39E-09	4.34E-09	5.09E-10	1.57E-09	2.08E-09
2821	437518.53	3762209.72	6.03E-09	2.06E-08	2.66E-08	9.37E-10	3.36E-09	4.30E-09	5.05E-10	1.56E-09	2.06E-09
2822	437509.14	3762209.72	5.97E-09	2.04E-08	2.63E-08	9.28E-10	3.33E-09	4.26E-09	5.00E-10	1.54E-09	2.04E-09
2823	437499.75	3762209.73	5.92E-09	2.02E-08	2.61E-08	9.20E-10	3.30E-09	4.22E-09	4.95E-10	1.53E-09	2.02E-09
2824	437490.36	3762209.73	5.86E-09	2.00E-08	2.59E-08	9.11E-10	3.27E-09	4.18E-09	4.91E-10	1.52E-09	2.01E-09
2825	437480.97	3762209.73	5.81E-09	1.98E-08	2.56E-08	9.03E-10	3.24E-09	4.14E-09	4.86E-10	1.50E-09	1.99E-09
2826	437471.58	3762209.73	5.76E-09	1.96E-08	2.54E-08	8.95E-10	3.21E-09	4.10E-09	4.82E-10	1.49E-09	1.97E-09
2827	437462.19	3762209.73	5.7E-09	1.95E-08	2.52E-08	8.86E-10	3.18E-09	4.06E-09	4.77E-10	1.47E-09	1.95E-09
2828	437452.8	3762209.73	5.65E-09	1.93E-08	2.49E-08	8.79E-10	3.15E-09	4.03E-09	4.73E-10	1.46E-09	1.93E-09
2829	437443.4	3762209.73	5.61E-09	1.91E-08	2.47E-08	8.71E-10	3.12E-09	3.99E-09	4.69E-10	1.45E-09	1.92E-09
2830	437793.87	3762278.29	8.76E-09	2.99E-08	3.86E-08	1.36E-09	4.88E-09	6.24E-09	7.33E-10	2.26E-09	3.00E-09
2831	437802.36	3762281.82	8.83E-09	3.01E-08	3.90E-08	1.37E-09	4.92E-09	6.29E-09	7.40E-10	2.28E-09	3.02E-09
2832	437810.86	3762285.34	8.91E-09	3.04E-08	3.93E-08	1.38E-09	4.96E-09	6.35E-09	7.46E-10	2.30E-09	3.05E-09
2833	437819.35	3762288.86	8.98E-09	3.06E-08	3.96E-08	1.40E-09	5.00E-09	6.40E-09	7.51E-10	2.32E-09	3.07E-09
2834	437827.84	3762292.38	9.04E-09	3.08E-08	3.99E-08	1.41E-09	5.04E-09	6.44E-09	7.57E-10	2.34E-09	3.09E-09
2835	437836.33	3762295.9	9.11E-09	3.11E-08	4.02E-08	1.41E-09	5.07E-09	6.49E-09	7.62E-10	2.35E-09	3.12E-09
2836	437844.83	3762299.42	9.16E-09	3.13E-08	4.04E-08	1.42E-09	5.11E-09	6.53E-09	7.67E-10	2.37E-09	3.14E-09
2837	437853.32	3762302.94	9.22E-09	3.14E-08	4.07E-08	1.43E-09	5.14E-09	6.57E-09	7.72E-10	2.38E-09	3.15E-09
2838	437861.81	3762306.46	9.27E-09	3.16E-08	4.09E-08	1.44E-09	5.16E-09	6.60E-09	7.76E-10	2.40E-09	3.17E-09
2839	437870.3	3762309.98	9.32E-09	3.18E-08	4.11E-08	1.45E-09	5.19E-09	6.64E-09	7.80E-10	2.41E-09	3.19E-09
2840	437878.79	3762313.5	9.36E-09	3.19E-08	4.13E-08	1.45E-09	5.21E-09	6.67E-09	7.83E-10	2.42E-09	3.20E-09
2841	437887.29	3762317.02	9.4E-09	3.20E-08	4.14E-08	1.46E-09	5.24E-09	6.70E-09	7.87E-10	2.43E-09	3.21E-09
2842	437895.78	3762320.54	9.43E-09	3.22E-08	4.16E-08	1.47E-09	5.25E-09	6.72E-09	7.90E-10	2.44E-09	3.23E-09
2843	437904.27	3762324.06	9.46E-09	3.23E-08	4.17E-08	1.47E-09	5.27E-09	6.74E-09	7.92E-10	2.45E-09	3.24E-09
2844	437912.76	3762327.58	9.49E-09	3.24E-08	4.19E-08	1.47E-09	5.29E-09	6.76E-09	7.94E-10	2.45E-09	3.25E-09
2845	437921.25	3762331.1	9.52E-09	3.24E-08	4.20E-08	1.48E-09	5.30E-09	6.78E-09	7.96E-10	2.46E-09	3.26E-09
2846	437929.75	3762334.62	9.54E-09	3.25E-08	4.21E-08	1.48E-09	5.31E-09	6.79E-09	7.98E-10	2.46E-09	3.26E-09
2847	437941.75	3762346.64	9.79E-09	3.34E-08	4.32E-08	1.52E-09	5.45E-09	6.97E-09	8.19E-10	2.53E-09	3.35E-09
2848	437945.26	3762355.14	1E-08	3.42E-08	4.42E-08	1.56E-09	5.58E-09	7.14E-09	8.39E-10	2.59E-09	3.43E-09
2849	437948.77	3762363.63	1.03E-08	3.50E-08	4.53E-08	1.60E-09	5.72E-09	7.32E-09	8.59E-10	2.65E-09	3.51E-09
2850	437952.27	3762372.13	1.05E-08	3.59E-08	4.64E-08	1.63E-09	5.86E-09	7.49E-09	8.80E-10	2.72E-09	3.60E-09
2851	437955.78	3762380.63	1.08E-08	3.67E-08	4.75E-08	1.67E-09	6.00E-09	7.68E-09	9.02E-10	2.78E-09	3.69E-09
2852	437983.85	3762448.6	1.31E-08	4.48E-08	5.79E-08	2.04E-09	7.32E-09	9.36E-09	1.10E-09	3.39E-09	4.49E-09
2853	437987.36	3762457.1	1.35E-08	4.59E-08	5.94E-08	2.09E-09	7.50E-09	9.60E-09	1.13E-09	3.48E-09	4.61E-09
2854	437990.87	3762465.6	1.38E-08	4.71E-08	6.10E-08	2.15E-09	7.70E-09	9.85E-09	1.16E-09	3.57E-09	4.73E-09
2855	437994.38	3762474.09	1.42E-08	4.84E-08	6.26E-08	2.20E-09	7.90E-09	1.01E-08	1.19E-09	3.67E-09	4.85E-09
2856	437997.89	3762482.59	1.46E-08	4.97E-08	6.42E-08	2.26E-09	8.11E-09	1.04E-08	1.22E-09	3.76E-09	4.98E-09
2857	438001.4	3762491.09	1.5E-08	5.10E-08	6.60E-08	2.32E-09	8.33E-09	1.07E-08	1.25E-09	3.87E-09	5.12E-09
2858	438004.91	3762499.59	1.54E-08	5.24E-08	6.78E-08	2.39E-09	8.56E-09	1.09E-08	1.29E-09	3.97E-09	5.26E-09
2859	438008.42	3762508.08	1.58E-08	5.38E-08	6.96E-08	2.45E-09	8.79E-09	1.12E-08	1.32E-09	4.08E-09	5.40E-09
2860	438011.93	3762516.58	1.62E-08	5.53E-08	7.15E-08	2.52E-09	9.03E-09	1.16E-08	1.36E-09	4.19E-09	5.55E-09
2861	438015.43	3762525.08	1.67E-08	5.68E-08	7.35E-08	2.59E-09	9.29E-09	1.19E-08	1.40E-09	4.31E-09	5.70E-09
2862	438018.94	3762533.57	1.71E-08	5.84E-08	7.56E-08	2.66E-09	9.54E-09	1.22E-08	1.43E-09	4.43E-09	5.86E-09
2863	438022.45	3762542.07	1.76E-08	6.00E-08	7.77E-08	2.74E-09	9.81E-09	1.25E-08	1.47E-09	4.55E-09	6.02E-09

2864	438025.96	3762550.57	1.81E-08	6.17E-08	7.98E-08	2.81E-09	1.01E-08	1.29E-08	1.51E-09	4.68E-09	6.19E-09
2865	438029.47	3762559.06	1.86E-08	6.34E-08	8.20E-08	2.89E-09	1.04E-08	1.33E-08	1.56E-09	4.81E-09	6.36E-09
2866	438032.98	3762567.56	1.91E-08	6.52E-08	8.43E-08	2.97E-09	1.06E-08	1.36E-08	1.60E-09	4.94E-09	6.54E-09
2867	438036.49	3762576.06	1.96E-08	6.70E-08	8.66E-08	3.05E-09	1.09E-08	1.40E-08	1.64E-09	5.08E-09	6.72E-09
2868	438040	3762584.56	2.02E-08	6.88E-08	8.90E-08	3.14E-09	1.12E-08	1.44E-08	1.69E-09	5.21E-09	6.90E-09
2869	438043.51	3762593.05	2.07E-08	7.07E-08	9.14E-08	3.22E-09	1.15E-08	1.48E-08	1.73E-09	5.36E-09	7.09E-09
2870	438047.01	3762601.55	2.13E-08	7.26E-08	9.39E-08	3.31E-09	1.19E-08	1.52E-08	1.78E-09	5.50E-09	7.28E-09
2871	438050.52	3762610.05	2.18E-08	7.45E-08	9.63E-08	3.39E-09	1.22E-08	1.56E-08	1.83E-09	5.64E-09	7.47E-09
2872	438054.03	3762618.54	2.24E-08	7.64E-08	9.88E-08	3.48E-09	1.25E-08	1.60E-08	1.88E-09	5.79E-09	7.67E-09
2873	438057.54	3762627.04	2.3E-08	7.84E-08	1.01E-07	3.57E-09	1.28E-08	1.64E-08	1.92E-09	5.94E-09	7.86E-09
2874	438061.05	3762635.54	2.36E-08	8.03E-08	1.04E-07	3.66E-09	1.31E-08	1.68E-08	1.97E-09	6.09E-09	8.06E-09
2875	438064.56	3762644.03	2.41E-08	8.23E-08	1.06E-07	3.75E-09	1.34E-08	1.72E-08	2.02E-09	6.23E-09	8.25E-09
2876	438068.07	3762652.53	2.47E-08	8.42E-08	1.09E-07	3.84E-09	1.38E-08	1.76E-08	2.07E-09	6.38E-09	8.45E-09
2877	438071.58	3762661.03	2.53E-08	8.62E-08	1.11E-07	3.93E-09	1.41E-08	1.80E-08	2.12E-09	6.53E-09	8.64E-09
2878	438075.09	3762669.52	2.58E-08	8.81E-08	1.14E-07	4.01E-09	1.44E-08	1.84E-08	2.16E-09	6.67E-09	8.83E-09
2879	438078.59	3762678.02	2.64E-08	8.99E-08	1.16E-07	4.10E-09	1.47E-08	1.88E-08	2.21E-09	6.82E-09	9.02E-09
2880	438082.1	3762686.52	2.69E-08	9.18E-08	1.19E-07	4.18E-09	1.50E-08	1.92E-08	2.25E-09	6.95E-09	9.21E-09
2881	438085.61	3762695.02	2.74E-08	9.36E-08	1.21E-07	4.26E-09	1.53E-08	1.96E-08	2.30E-09	7.09E-09	9.39E-09
2882	438089.12	3762703.51	2.8E-08	9.53E-08	1.23E-07	4.34E-09	1.56E-08	1.99E-08	2.34E-09	7.22E-09	9.56E-09
2883	438092.63	3762712.01	2.85E-08	9.70E-08	1.25E-07	4.42E-09	1.58E-08	2.03E-08	2.38E-09	7.35E-09	9.73E-09
2884	437546.7	3762179.72	5.56E-09	1.90E-08	2.45E-08	8.64E-10	3.10E-09	3.96E-09	4.65E-10	1.44E-09	1.90E-09
2885	437537.31	3762179.72	5.51E-09	1.88E-08	2.43E-08	8.56E-10	3.07E-09	3.92E-09	4.61E-10	1.42E-09	1.88E-09
2886	437527.92	3762179.72	5.46E-09	1.86E-08	2.41E-08	8.48E-10	3.04E-09	3.89E-09	4.57E-10	1.41E-09	1.87E-09
2887	437518.53	3762179.72	5.41E-09	1.84E-08	2.39E-08	8.40E-10	3.01E-09	3.85E-09	4.53E-10	1.40E-09	1.85E-09
2888	437509.14	3762179.72	5.36E-09	1.83E-08	2.36E-08	8.33E-10	2.99E-09	3.82E-09	4.49E-10	1.38E-09	1.83E-09
2889	437499.75	3762179.73	5.31E-09	1.81E-08	2.34E-08	8.25E-10	2.96E-09	3.78E-09	4.44E-10	1.37E-09	1.82E-09
2890	437490.36	3762179.73	5.26E-09	1.79E-08	2.32E-08	8.18E-10	2.93E-09	3.75E-09	4.40E-10	1.36E-09	1.80E-09
2891	437480.97	3762179.73	5.21E-09	1.78E-08	2.30E-08	8.10E-10	2.90E-09	3.72E-09	4.36E-10	1.35E-09	1.78E-09
2892	437471.57	3762179.73	5.17E-09	1.76E-08	2.28E-08	8.03E-10	2.88E-09	3.68E-09	4.33E-10	1.34E-09	1.77E-09
2893	437462.18	3762179.73	5.12E-09	1.75E-08	2.26E-08	7.96E-10	2.85E-09	3.65E-09	4.29E-10	1.32E-09	1.75E-09
2894	437452.79	3762179.73	5.08E-09	1.73E-08	2.24E-08	7.90E-10	2.83E-09	3.62E-09	4.25E-10	1.31E-09	1.74E-09
2895	437443.4	3762179.73	5.04E-09	1.72E-08	2.22E-08	7.83E-10	2.81E-09	3.59E-09	4.22E-10	1.30E-09	1.72E-09
2896	437865.06	3762277.81	8.37E-09	2.85E-08	3.69E-08	1.30E-09	4.66E-09	5.96E-09	7.01E-10	2.16E-09	2.86E-09
2897	437873.64	3762281.37	8.42E-09	2.87E-08	3.71E-08	1.31E-09	4.69E-09	6.00E-09	7.04E-10	2.17E-09	2.88E-09
2898	437882.22	3762284.92	8.46E-09	2.88E-08	3.73E-08	1.31E-09	4.71E-09	6.03E-09	7.08E-10	2.19E-09	2.89E-09
2899	437890.81	3762288.48	8.5E-09	2.90E-08	3.75E-08	1.32E-09	4.74E-09	6.06E-09	7.11E-10	2.20E-09	2.91E-09
2900	437899.39	3762292.04	8.54E-09	2.91E-08	3.76E-08	1.33E-09	4.76E-09	6.08E-09	7.15E-10	2.21E-09	2.92E-09
2901	437907.97	3762295.6	8.57E-09	2.92E-08	3.78E-08	1.33E-09	4.77E-09	6.11E-09	7.17E-10	2.21E-09	2.93E-09
2902	437916.55	3762299.15	8.6E-09	2.93E-08	3.79E-08	1.34E-09	4.79E-09	6.13E-09	7.20E-10	2.22E-09	2.94E-09
2903	437925.14	3762302.71	8.63E-09	2.94E-08	3.80E-08	1.34E-09	4.81E-09	6.15E-09	7.22E-10	2.23E-09	2.95E-09
2904	437933.72	3762306.27	8.65E-09	2.95E-08	3.82E-08	1.34E-09	4.82E-09	6.16E-09	7.24E-10	2.24E-09	2.96E-09
2905	437942.3	3762309.83	8.67E-09	2.96E-08	3.82E-08	1.35E-09	4.83E-09	6.18E-09	7.26E-10	2.24E-09	2.97E-09
2906	437950.88	3762313.39	8.69E-09	2.96E-08	3.83E-08	1.35E-09	4.84E-09	6.19E-09	7.27E-10	2.25E-09	2.97E-09
2907	437984.29	3762377.06	1.02E-08	3.49E-08	4.51E-08	1.59E-09	5.70E-09	7.28E-09	8.56E-10	2.64E-09	3.50E-09
2908	437987.84	3762385.64	1.05E-08	3.57E-08	4.61E-08	1.63E-09	5.83E-09	7.46E-09	8.76E-10	2.70E-09	3.58E-09
2909	437991.38	3762394.23	1.07E-08	3.65E-08	4.72E-08	1.66E-09	5.97E-09	7.63E-09	8.97E-10	2.77E-09	3.66E-09
2910	437994.93	3762402.82	1.1E-08	3.74E-08	4.84E-08	1.70E-09	6.11E-09	7.81E-09	9.18E-10	2.83E-09	3.75E-09
2911	437998.47	3762411.41	1.12E-08	3.83E-08	4.95E-08	1.74E-09	6.25E-09	8.00E-09	9.40E-10	2.90E-09	3.84E-09
2912	438002.02	3762419.99	1.15E-08	3.92E-08	5.07E-08	1.79E-09	6.40E-09	8.19E-09	9.62E-10	2.97E-09	3.93E-09
2913	438005.57	3762428.58	1.18E-08	4.01E-08	5.19E-08	1.83E-09	6.56E-09	8.39E-09	9.86E-10	3.04E-09	4.03E-09
2914	438009.11	3762437.17	1.21E-08	4.11E-08	5.32E-08	1.87E-09	6.72E-09	8.59E-09	1.01E-09	3.12E-09	4.13E-09
2915	438012.66	3762445.76	1.24E-08	4.22E-08	5.45E-08	1.92E-09	6.89E-09	8.81E-09	1.03E-09	3.19E-09	4.23E-09
2916	438016.21	3762454.34	1.27E-08	4.32E-08	5.59E-08	1.97E-09	7.06E-09	9.03E-09	1.06E-09	3.27E-09	4.33E-09
2917	438019.75	3762462.93	1.3E-08	4.43E-08	5.73E-08	2.02E-09	7.24E-09	9.26E-09	1.09E-09	3.36E-09	4.44E-09
2918	438023.3	3762471.52	1.33E-08	4.54E-08	5.88E-08	2.07E-09	7.42E-09	9.49E-09	1.12E-09	3.44E-09	4.56E-09
2919	438026.84	3762480.1	1.37E-08	4.66E-08	6.03E-08	2.12E-09	7.61E-09	9.74E-09	1.14E-09	3.53E-09	4.68E-09
2920	438030.39	3762488.69	1.4E-08	4.78E-08	6.18E-08	2.18E-09	7.81E-09	9.99E-09	1.17E-09	3.62E-09	4.80E-09
2921	438033.94	3762497.28	1.44E-08	4.91E-08	6.35E-08	2.24E-09	8.02E-09	1.03E-08	1.20E-09	3.72E-09	4.92E-09
2922	438037.48	3762505.87	1.48E-08	5.04E-08	6.52E-08	2.30E-09	8.23E-09	1.05E-08	1.24E-09	3.82E-09	5.05E-09
2923	438041.03	3762514.45	1.52E-08	5.17E-08	6.69E-08	2.36E-09	8.45E-09	1.08E-08	1.27E-09	3.92E-09	5.19E-09
2924	438044.58	3762523.04	1.56E-08	5.31E-08	6.87E-08	2.42E-09	8.67E-09	1.11E-08	1.30E-09	4.02E-09	5.33E-09

2925	438048.12	3762531.63	1.6E-08	5.45E-08	7.05E-08	2.48E-09	8.91E-09	1.14E-08	1.34E-09	4.13E-09	5.47E-09
2926	438051.67	3762540.22	1.64E-08	5.60E-08	7.24E-08	2.55E-09	9.15E-09	1.17E-08	1.37E-09	4.24E-09	5.62E-09
2927	438055.21	3762548.8	1.69E-08	5.75E-08	7.43E-08	2.62E-09	9.39E-09	1.20E-08	1.41E-09	4.36E-09	5.77E-09
2928	438058.76	3762557.39	1.73E-08	5.90E-08	7.63E-08	2.69E-09	9.64E-09	1.23E-08	1.45E-09	4.47E-09	5.92E-09
2929	438062.31	3762565.98	1.78E-08	6.06E-08	7.83E-08	2.76E-09	9.89E-09	1.27E-08	1.49E-09	4.59E-09	6.08E-09
2930	438065.85	3762574.57	1.82E-08	6.22E-08	8.04E-08	2.83E-09	1.02E-08	1.30E-08	1.53E-09	4.71E-09	6.24E-09
2931	438069.4	3762583.15	1.87E-08	6.38E-08	8.25E-08	2.91E-09	1.04E-08	1.33E-08	1.57E-09	4.83E-09	6.40E-09
2932	438072.95	3762591.74	1.92E-08	6.54E-08	8.46E-08	2.98E-09	1.07E-08	1.37E-08	1.61E-09	4.96E-09	6.56E-09
2933	438076.49	3762600.33	1.97E-08	6.71E-08	8.68E-08	3.06E-09	1.10E-08	1.40E-08	1.65E-09	5.09E-09	6.73E-09
2934	438080.04	3762608.91	2.02E-08	6.88E-08	8.90E-08	3.14E-09	1.12E-08	1.44E-08	1.69E-09	5.21E-09	6.90E-09
2935	438083.58	3762617.5	2.07E-08	7.05E-08	9.12E-08	3.21E-09	1.15E-08	1.47E-08	1.73E-09	5.34E-09	7.07E-09
2936	438087.13	3762626.09	2.12E-08	7.22E-08	9.34E-08	3.29E-09	1.18E-08	1.51E-08	1.77E-09	5.47E-09	7.25E-09
2937	438090.68	3762634.68	2.17E-08	7.40E-08	9.57E-08	3.37E-09	1.21E-08	1.55E-08	1.82E-09	5.61E-09	7.42E-09
2938	438094.22	3762643.26	2.22E-08	7.57E-08	9.79E-08	3.45E-09	1.24E-08	1.58E-08	1.86E-09	5.74E-09	7.59E-09
2939	438097.77	3762651.85	2.27E-08	7.74E-08	1.00E-07	3.53E-09	1.26E-08	1.62E-08	1.90E-09	5.87E-09	7.77E-09
2940	438101.32	3762660.44	2.32E-08	7.91E-08	1.02E-07	3.60E-09	1.29E-08	1.65E-08	1.94E-09	5.99E-09	7.94E-09
2941	438104.86	3762669.03	2.37E-08	8.08E-08	1.04E-07	3.68E-09	1.32E-08	1.69E-08	1.98E-09	6.12E-09	8.10E-09
2942	438108.41	3762677.61	2.42E-08	8.24E-08	1.07E-07	3.75E-09	1.35E-08	1.72E-08	2.02E-09	6.24E-09	8.27E-09
2943	438111.95	3762686.2	2.46E-08	8.40E-08	1.09E-07	3.83E-09	1.37E-08	1.75E-08	2.06E-09	6.36E-09	8.43E-09
2944	438115.5	3762694.79	2.51E-08	8.55E-08	1.11E-07	3.90E-09	1.40E-08	1.79E-08	2.10E-09	6.48E-09	8.58E-09
2945	438119.05	3762703.38	2.55E-08	8.71E-08	1.13E-07	3.97E-09	1.42E-08	1.82E-08	2.14E-09	6.60E-09	8.73E-09
2946	438122.59	3762711.96	2.6E-08	8.85E-08	1.14E-07	4.03E-09	1.45E-08	1.85E-08	2.17E-09	6.71E-09	8.88E-09
2947	437546.7	3762149.72	5.02E-09	1.71E-08	2.21E-08	7.80E-10	2.80E-09	3.58E-09	4.20E-10	1.30E-09	1.72E-09
2948	437537.31	3762149.72	4.98E-09	1.70E-08	2.19E-08	7.73E-10	2.77E-09	3.55E-09	4.17E-10	1.29E-09	1.70E-09
2949	437527.92	3762149.72	4.93E-09	1.68E-08	2.18E-08	7.66E-10	2.75E-09	3.51E-09	4.13E-10	1.27E-09	1.69E-09
2950	437518.53	3762149.72	4.89E-09	1.67E-08	2.16E-08	7.60E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
2951	437509.14	3762149.72	4.84E-09	1.65E-08	2.14E-08	7.53E-10	2.70E-09	3.45E-09	4.06E-10	1.25E-09	1.66E-09
2952	437499.74	3762149.73	4.8E-09	1.64E-08	2.12E-08	7.46E-10	2.67E-09	3.42E-09	4.02E-10	1.24E-09	1.64E-09
2953	437490.35	3762149.73	4.76E-09	1.62E-08	2.10E-08	7.40E-10	2.65E-09	3.39E-09	3.98E-10	1.23E-09	1.63E-09
2954	437480.96	3762149.73	4.72E-09	1.61E-08	2.08E-08	7.33E-10	2.63E-09	3.36E-09	3.95E-10	1.22E-09	1.61E-09
2955	437471.57	3762149.73	4.68E-09	1.59E-08	2.06E-08	7.27E-10	2.61E-09	3.33E-09	3.91E-10	1.21E-09	1.60E-09
2956	437462.18	3762149.73	4.64E-09	1.58E-08	2.04E-08	7.20E-10	2.58E-09	3.30E-09	3.88E-10	1.20E-09	1.59E-09
2957	437452.79	3762149.73	4.6E-09	1.57E-08	2.03E-08	7.14E-10	2.56E-09	3.28E-09	3.85E-10	1.19E-09	1.57E-09
2958	437443.4	3762149.73	4.56E-09	1.56E-08	2.01E-08	7.09E-10	2.54E-09	3.25E-09	3.82E-10	1.18E-09	1.56E-09
2959	437937.37	3762277.78	7.88E-09	2.69E-08	3.48E-08	1.22E-09	4.39E-09	5.62E-09	6.60E-10	2.04E-09	2.70E-09
2960	437946.03	3762281.38	7.91E-09	2.70E-08	3.49E-08	1.23E-09	4.40E-09	5.63E-09	6.62E-10	2.04E-09	2.70E-09
2961	437954.7	3762284.97	7.93E-09	2.70E-08	3.50E-08	1.23E-09	4.42E-09	5.65E-09	6.63E-10	2.05E-09	2.71E-09
2962	438016.5	3762382.45	9.93E-09	3.39E-08	4.38E-08	1.54E-09	5.53E-09	7.08E-09	8.31E-10	2.57E-09	3.40E-09
2963	438020.08	3762391.12	1.02E-08	3.46E-08	4.48E-08	1.58E-09	5.66E-09	7.24E-09	8.50E-10	2.62E-09	3.47E-09
2964	438023.66	3762399.79	1.04E-08	3.54E-08	4.58E-08	1.61E-09	5.79E-09	7.40E-09	8.70E-10	2.68E-09	3.55E-09
2965	438027.24	3762408.46	1.06E-08	3.62E-08	4.69E-08	1.65E-09	5.92E-09	7.57E-09	8.90E-10	2.75E-09	3.64E-09
2966	438030.82	3762417.13	1.09E-08	3.71E-08	4.80E-08	1.69E-09	6.06E-09	7.75E-09	9.10E-10	2.81E-09	3.72E-09
2967	438034.4	3762425.8	1.11E-08	3.79E-08	4.91E-08	1.73E-09	6.20E-09	7.93E-09	9.31E-10	2.88E-09	3.81E-09
2968	438037.98	3762434.47	1.14E-08	3.88E-08	5.02E-08	1.77E-09	6.35E-09	8.11E-09	9.53E-10	2.94E-09	3.90E-09
2969	438041.56	3762443.14	1.17E-08	3.98E-08	5.14E-08	1.81E-09	6.50E-09	8.31E-09	9.76E-10	3.01E-09	3.99E-09
2970	438045.14	3762451.81	1.19E-08	4.07E-08	5.27E-08	1.86E-09	6.65E-09	8.51E-09	1.00E-09	3.09E-09	4.09E-09
2971	438048.72	3762460.48	1.22E-08	4.17E-08	5.40E-08	1.90E-09	6.82E-09	8.72E-09	1.02E-09	3.16E-09	4.19E-09
2972	438052.3	3762469.15	1.25E-08	4.28E-08	5.53E-08	1.95E-09	6.99E-09	8.93E-09	1.05E-09	3.24E-09	4.29E-09
2973	438055.88	3762477.82	1.29E-08	4.38E-08	5.67E-08	2.00E-09	7.16E-09	9.16E-09	1.08E-09	3.32E-09	4.40E-09
2974	438059.47	3762486.49	1.32E-08	4.49E-08	5.81E-08	2.05E-09	7.34E-09	9.39E-09	1.10E-09	3.41E-09	4.51E-09
2975	438063.05	3762495.16	1.35E-08	4.61E-08	5.96E-08	2.10E-09	7.53E-09	9.63E-09	1.13E-09	3.49E-09	4.62E-09
2976	438066.63	3762503.83	1.39E-08	4.73E-08	6.11E-08	2.15E-09	7.72E-09	9.88E-09	1.16E-09	3.58E-09	4.74E-09
2977	438070.21	3762512.51	1.42E-08	4.85E-08	6.27E-08	2.21E-09	7.92E-09	1.01E-08	1.19E-09	3.67E-09	4.86E-09
2978	438073.79	3762521.18	1.46E-08	4.97E-08	6.43E-08	2.27E-09	8.13E-09	1.04E-08	1.22E-09	3.77E-09	4.99E-09
2979	438077.37	3762529.85	1.5E-08	5.10E-08	6.60E-08	2.32E-09	8.33E-09	1.07E-08	1.25E-09	3.87E-09	5.12E-09
2980	438080.95	3762538.52	1.53E-08	5.23E-08	6.77E-08	2.38E-09	8.55E-09	1.09E-08	1.28E-09	3.97E-09	5.25E-09
2981	438084.53	3762547.19	1.57E-08	5.37E-08	6.94E-08	2.45E-09	8.77E-09	1.12E-08	1.32E-09	4.07E-09	5.38E-09
2982	438088.11	3762555.86	1.61E-08	5.50E-08	7.12E-08	2.51E-09	8.99E-09	1.15E-08	1.35E-09	4.17E-09	5.52E-09
2983	438091.69	3762564.53	1.65E-08	5.64E-08	7.30E-08	2.57E-09	9.22E-09	1.18E-08	1.38E-09	4.28E-09	5.66E-09
2984	438095.27	3762573.2	1.7E-08	5.79E-08	7.48E-08	2.64E-09	9.45E-09	1.21E-08	1.42E-09	4.38E-09	5.80E-09
2985	438098.85	3762581.87	1.74E-08	5.93E-08	7.67E-08	2.70E-09	9.69E-09	1.24E-08	1.46E-09	4.49E-09	5.95E-09

2986	438102.43	3762590.54	1.78E-08	6.08E-08	7.86E-08	2.77E-09	9.93E-09	1.27E-08	1.49E-09	4.61E-09	6.10E-09
2987	438106.01	3762599.21	1.83E-08	6.23E-08	8.06E-08	2.84E-09	1.02E-08	1.30E-08	1.53E-09	4.72E-09	6.25E-09
2988	438109.59	3762607.88	1.87E-08	6.38E-08	8.25E-08	2.91E-09	1.04E-08	1.33E-08	1.57E-09	4.84E-09	6.40E-09
2989	438113.17	3762616.55	1.92E-08	6.53E-08	8.45E-08	2.98E-09	1.07E-08	1.37E-08	1.60E-09	4.95E-09	6.55E-09
2990	438116.75	3762625.22	1.96E-08	6.69E-08	8.65E-08	3.05E-09	1.09E-08	1.40E-08	1.64E-09	5.07E-09	6.71E-09
2991	438120.33	3762633.89	2.01E-08	6.84E-08	8.84E-08	3.12E-09	1.12E-08	1.43E-08	1.68E-09	5.18E-09	6.86E-09
2992	438123.91	3762642.56	2.05E-08	6.99E-08	9.04E-08	3.19E-09	1.14E-08	1.46E-08	1.72E-09	5.30E-09	7.01E-09
2993	438127.5	3762651.23	2.09E-08	7.14E-08	9.24E-08	3.25E-09	1.17E-08	1.49E-08	1.75E-09	5.41E-09	7.16E-09
2994	438131.08	3762659.9	2.14E-08	7.29E-08	9.43E-08	3.32E-09	1.19E-08	1.52E-08	1.79E-09	5.52E-09	7.31E-09
2995	438134.66	3762668.57	2.18E-08	7.44E-08	9.62E-08	3.39E-09	1.21E-08	1.55E-08	1.83E-09	5.63E-09	7.46E-09
2996	438138.24	3762677.24	2.22E-08	7.58E-08	9.80E-08	3.45E-09	1.24E-08	1.58E-08	1.86E-09	5.74E-09	7.60E-09
2997	438141.82	3762685.91	2.26E-08	7.72E-08	9.98E-08	3.52E-09	1.26E-08	1.61E-08	1.89E-09	5.85E-09	7.74E-09
2998	438145.4	3762694.58	2.3E-08	7.85E-08	1.02E-07	3.58E-09	1.28E-08	1.64E-08	1.93E-09	5.95E-09	7.88E-09
2999	438148.98	3762703.25	2.34E-08	7.98E-08	1.03E-07	3.64E-09	1.30E-08	1.67E-08	1.96E-09	6.05E-09	8.01E-09
3000	438152.56	3762711.92	2.38E-08	8.10E-08	1.05E-07	3.69E-09	1.32E-08	1.69E-08	1.99E-09	6.14E-09	8.13E-09
3001	437546.7	3762119.72	4.56E-09	1.55E-08	2.01E-08	7.08E-10	2.54E-09	3.25E-09	3.82E-10	1.18E-09	1.56E-09
3002	437537.31	3762119.72	4.52E-09	1.54E-08	1.99E-08	7.02E-10	2.52E-09	3.22E-09	3.78E-10	1.17E-09	1.55E-09
3003	437527.91	3762119.72	4.48E-09	1.53E-08	1.98E-08	6.96E-10	2.49E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
3004	437518.52	3762119.72	4.44E-09	1.51E-08	1.96E-08	6.90E-10	2.47E-09	3.16E-09	3.72E-10	1.15E-09	1.52E-09
3005	437509.13	3762119.72	4.4E-09	1.50E-08	1.94E-08	6.84E-10	2.45E-09	3.14E-09	3.69E-10	1.14E-09	1.51E-09
3006	437499.74	3762119.73	4.37E-09	1.49E-08	1.93E-08	6.78E-10	2.43E-09	3.11E-09	3.65E-10	1.13E-09	1.49E-09
3007	437490.35	3762119.73	4.33E-09	1.48E-08	1.91E-08	6.73E-10	2.41E-09	3.08E-09	3.62E-10	1.12E-09	1.48E-09
3008	437480.96	3762119.73	4.29E-09	1.46E-08	1.89E-08	6.67E-10	2.39E-09	3.06E-09	3.59E-10	1.11E-09	1.47E-09
3009	437471.57	3762119.73	4.26E-09	1.45E-08	1.88E-08	6.61E-10	2.37E-09	3.03E-09	3.56E-10	1.10E-09	1.46E-09
3010	437462.18	3762119.73	4.22E-09	1.44E-08	1.86E-08	6.56E-10	2.35E-09	3.01E-09	3.53E-10	1.09E-09	1.44E-09
3011	437452.79	3762119.73	4.19E-09	1.43E-08	1.85E-08	6.51E-10	2.33E-09	2.98E-09	3.50E-10	1.08E-09	1.43E-09
3012	437443.4	3762119.73	4.15E-09	1.42E-08	1.83E-08	6.45E-10	2.31E-09	2.96E-09	3.48E-10	1.07E-09	1.42E-09
3013	437983.36	3762256.85	7.11E-09	2.42E-08	3.13E-08	1.10E-09	3.96E-09	5.06E-09	5.95E-10	1.84E-09	2.43E-09
3014	437991.91	3762260.4	7.12E-09	2.43E-08	3.14E-08	1.11E-09	3.97E-09	5.07E-09	5.96E-10	1.84E-09	2.44E-09
3015	438000.45	3762263.94	7.13E-09	2.43E-08	3.15E-08	1.11E-09	3.97E-09	5.08E-09	5.97E-10	1.84E-09	2.44E-09
3016	438012.53	3762276.03	7.29E-09	2.49E-08	3.21E-08	1.13E-09	4.06E-09	5.19E-09	6.10E-10	1.88E-09	2.49E-09
3017	438016.06	3762284.58	7.44E-09	2.54E-08	3.28E-08	1.16E-09	4.14E-09	5.30E-09	6.23E-10	1.92E-09	2.54E-09
3018	438019.59	3762293.13	7.59E-09	2.59E-08	3.35E-08	1.18E-09	4.23E-09	5.41E-09	6.35E-10	1.96E-09	2.60E-09
3019	438023.12	3762301.68	7.74E-09	2.64E-08	3.41E-08	1.20E-09	4.31E-09	5.52E-09	6.48E-10	2.00E-09	2.65E-09
3020	438026.65	3762310.23	7.9E-09	2.69E-08	3.48E-08	1.23E-09	4.40E-09	5.63E-09	6.61E-10	2.04E-09	2.70E-09
3021	438030.18	3762318.78	8.06E-09	2.75E-08	3.55E-08	1.25E-09	4.49E-09	5.74E-09	6.74E-10	2.08E-09	2.76E-09
3022	438033.71	3762327.33	8.22E-09	2.80E-08	3.63E-08	1.28E-09	4.58E-09	5.86E-09	6.88E-10	2.12E-09	2.81E-09
3023	438037.25	3762335.88	8.39E-09	2.86E-08	3.70E-08	1.30E-09	4.67E-09	5.98E-09	7.02E-10	2.17E-09	2.87E-09
3024	438040.78	3762344.43	8.56E-09	2.92E-08	3.77E-08	1.33E-09	4.77E-09	6.10E-09	7.16E-10	2.21E-09	2.93E-09
3025	438054.9	3762378.64	9.29E-09	3.17E-08	4.10E-08	1.44E-09	5.17E-09	6.62E-09	7.77E-10	2.40E-09	3.18E-09
3026	438058.43	3762387.19	9.48E-09	3.23E-08	4.18E-08	1.47E-09	5.28E-09	6.75E-09	7.94E-10	2.45E-09	3.24E-09
3027	438061.96	3762395.74	9.68E-09	3.30E-08	4.27E-08	1.50E-09	5.39E-09	6.90E-09	8.10E-10	2.50E-09	3.31E-09
3028	438065.49	3762404.29	9.89E-09	3.37E-08	4.36E-08	1.54E-09	5.51E-09	7.04E-09	8.28E-10	2.55E-09	3.38E-09
3029	438069.02	3762412.84	1.01E-08	3.44E-08	4.45E-08	1.57E-09	5.63E-09	7.20E-09	8.45E-10	2.61E-09	3.46E-09
3030	438072.56	3762421.39	1.03E-08	3.52E-08	4.55E-08	1.60E-09	5.75E-09	7.35E-09	8.64E-10	2.67E-09	3.53E-09
3031	438076.09	3762429.94	1.05E-08	3.60E-08	4.65E-08	1.64E-09	5.88E-09	7.52E-09	8.83E-10	2.73E-09	3.61E-09
3032	438079.62	3762438.49	1.08E-08	3.68E-08	4.76E-08	1.68E-09	6.01E-09	7.68E-09	9.03E-10	2.79E-09	3.69E-09
3033	438083.15	3762447.04	1.1E-08	3.76E-08	4.86E-08	1.71E-09	6.14E-09	7.86E-09	9.23E-10	2.85E-09	3.77E-09
3034	438086.68	3762455.59	1.13E-08	3.85E-08	4.98E-08	1.75E-09	6.28E-09	8.04E-09	9.44E-10	2.92E-09	3.86E-09
3035	438090.21	3762464.14	1.15E-08	3.94E-08	5.09E-08	1.79E-09	6.43E-09	8.22E-09	9.66E-10	2.98E-09	3.95E-09
3036	438093.74	3762472.69	1.18E-08	4.03E-08	5.21E-08	1.84E-09	6.58E-09	8.41E-09	9.89E-10	3.05E-09	4.04E-09
3037	438097.27	3762481.24	1.21E-08	4.12E-08	5.33E-08	1.88E-09	6.73E-09	8.61E-09	1.01E-09	3.12E-09	4.14E-09
3038	438100.8	3762489.79	1.24E-08	4.22E-08	5.46E-08	1.92E-09	6.89E-09	8.82E-09	1.04E-09	3.20E-09	4.23E-09
3039	438104.33	3762498.34	1.27E-08	4.32E-08	5.59E-08	1.97E-09	7.06E-09	9.03E-09	1.06E-09	3.27E-09	4.34E-09
3040	438107.86	3762506.89	1.3E-08	4.42E-08	5.72E-08	2.02E-09	7.23E-09	9.24E-09	1.09E-09	3.35E-09	4.44E-09
3041	438111.4	3762515.44	1.33E-08	4.53E-08	5.86E-08	2.06E-09	7.40E-09	9.47E-09	1.11E-09	3.43E-09	4.54E-09
3042	438114.93	3762523.99	1.36E-08	4.64E-08	6.00E-08	2.11E-09	7.58E-09	9.69E-09	1.14E-09	3.51E-09	4.65E-09
3043	438118.46	3762532.54	1.39E-08	4.75E-08	6.14E-08	2.16E-09	7.76E-09	9.92E-09	1.17E-09	3.60E-09	4.76E-09
3044	438121.99	3762541.09	1.43E-08	4.86E-08	6.29E-08	2.22E-09	7.94E-09	1.02E-08	1.19E-09	3.68E-09	4.88E-09
3045	438125.52	3762549.64	1.46E-08	4.98E-08	6.44E-08	2.27E-09	8.13E-09	1.04E-08	1.22E-09	3.77E-09	4.99E-09
3046	438129.05	3762558.19	1.5E-08	5.10E-08	6.59E-08	2.32E-09	8.33E-09	1.07E-08	1.25E-09	3.86E-09	5.11E-09

3047	438132.58	3762566.74	1.53E-08	5.22E-08	6.75E-08	2.38E-09	8.53E-09	1.09E-08	1.28E-09	3.95E-09	5.24E-09
3048	438136.11	3762575.3	1.57E-08	5.34E-08	6.91E-08	2.43E-09	8.73E-09	1.12E-08	1.31E-09	4.05E-09	5.36E-09
3049	438139.64	3762583.85	1.6E-08	5.47E-08	7.07E-08	2.49E-09	8.93E-09	1.14E-08	1.34E-09	4.14E-09	5.48E-09
3050	438143.17	3762592.4	1.64E-08	5.59E-08	7.23E-08	2.55E-09	9.13E-09	1.17E-08	1.37E-09	4.24E-09	5.61E-09
3051	438146.71	3762600.95	1.68E-08	5.72E-08	7.39E-08	2.60E-09	9.34E-09	1.19E-08	1.40E-09	4.33E-09	5.73E-09
3052	438150.24	3762609.5	1.71E-08	5.84E-08	7.56E-08	2.66E-09	9.55E-09	1.22E-08	1.43E-09	4.43E-09	5.86E-09
3053	438153.77	3762618.05	1.75E-08	5.97E-08	7.72E-08	2.72E-09	9.75E-09	1.25E-08	1.47E-09	4.52E-09	5.99E-09
3054	438157.3	3762626.6	1.79E-08	6.10E-08	7.88E-08	2.78E-09	9.96E-09	1.27E-08	1.50E-09	4.62E-09	6.12E-09
3055	438160.83	3762635.15	1.82E-08	6.22E-08	8.05E-08	2.84E-09	1.02E-08	1.30E-08	1.53E-09	4.71E-09	6.24E-09
3056	438164.36	3762643.7	1.86E-08	6.35E-08	8.21E-08	2.89E-09	1.04E-08	1.33E-08	1.56E-09	4.81E-09	6.37E-09
3057	438167.89	3762652.25	1.9E-08	6.47E-08	8.37E-08	2.95E-09	1.06E-08	1.35E-08	1.59E-09	4.90E-09	6.49E-09
3058	438171.42	3762660.8	1.93E-08	6.59E-08	8.52E-08	3.00E-09	1.08E-08	1.38E-08	1.62E-09	4.99E-09	6.61E-09
3059	438174.95	3762669.35	1.97E-08	6.71E-08	8.68E-08	3.06E-09	1.10E-08	1.40E-08	1.65E-09	5.08E-09	6.73E-09
3060	438178.48	3762677.9	2E-08	6.83E-08	8.83E-08	3.11E-09	1.12E-08	1.43E-08	1.68E-09	5.17E-09	6.85E-09
3061	438182.02	3762686.45	2.04E-08	6.94E-08	8.98E-08	3.16E-09	1.13E-08	1.45E-08	1.70E-09	5.26E-09	6.96E-09
3062	438185.55	3762695	2.07E-08	7.05E-08	9.12E-08	3.21E-09	1.15E-08	1.47E-08	1.73E-09	5.34E-09	7.07E-09
3063	438189.08	3762703.55	2.1E-08	7.15E-08	9.25E-08	3.26E-09	1.17E-08	1.49E-08	1.76E-09	5.42E-09	7.18E-09
3064	438192.61	3762712.1	2.13E-08	7.26E-08	9.38E-08	3.31E-09	1.19E-08	1.52E-08	1.78E-09	5.50E-09	7.28E-09
3065	437985.74	3762217.84	6.37E-09	2.17E-08	2.81E-08	9.90E-10	3.55E-09	4.54E-09	5.33E-10	1.65E-09	2.18E-09
3066	437994.34	3762221.4	6.39E-09	2.18E-08	2.82E-08	9.93E-10	3.56E-09	4.55E-09	5.35E-10	1.65E-09	2.19E-09
3067	438002.93	3762224.97	6.4E-09	2.18E-08	2.82E-08	9.95E-10	3.57E-09	4.56E-09	5.36E-10	1.65E-09	2.19E-09
3068	438011.52	3762228.53	6.42E-09	2.19E-08	2.83E-08	9.97E-10	3.58E-09	4.57E-09	5.37E-10	1.66E-09	2.20E-09
3069	438020.11	3762232.09	6.43E-09	2.19E-08	2.84E-08	9.99E-10	3.58E-09	4.58E-09	5.38E-10	1.66E-09	2.20E-09
3070	438028.71	3762235.65	6.44E-09	2.20E-08	2.84E-08	1.00E-09	3.59E-09	4.59E-09	5.39E-10	1.66E-09	2.20E-09
3071	438040.85	3762247.81	6.57E-09	2.24E-08	2.90E-08	1.02E-09	3.66E-09	4.68E-09	5.50E-10	1.70E-09	2.25E-09
3072	438044.4	3762256.41	6.7E-09	2.28E-08	2.95E-08	1.04E-09	3.73E-09	4.77E-09	5.61E-10	1.73E-09	2.29E-09
3073	438047.95	3762265.01	6.82E-09	2.33E-08	3.01E-08	1.06E-09	3.80E-09	4.86E-09	5.71E-10	1.76E-09	2.33E-09
3074	438051.5	3762273.61	6.95E-09	2.37E-08	3.07E-08	1.08E-09	3.87E-09	4.95E-09	5.82E-10	1.80E-09	2.38E-09
3075	438055.05	3762282.21	7.09E-09	2.42E-08	3.12E-08	1.10E-09	3.95E-09	5.05E-09	5.93E-10	1.83E-09	2.42E-09
3076	438058.61	3762290.8	7.22E-09	2.46E-08	3.18E-08	1.12E-09	4.02E-09	5.14E-09	6.04E-10	1.87E-09	2.47E-09
3077	438062.16	3762299.4	7.36E-09	2.51E-08	3.24E-08	1.14E-09	4.10E-09	5.24E-09	6.16E-10	1.90E-09	2.52E-09
3078	438065.71	3762308	7.5E-09	2.56E-08	3.31E-08	1.16E-09	4.18E-09	5.34E-09	6.27E-10	1.94E-09	2.56E-09
3079	438069.26	3762316.6	7.64E-09	2.60E-08	3.37E-08	1.19E-09	4.25E-09	5.44E-09	6.39E-10	1.97E-09	2.61E-09
3080	438072.81	3762325.2	7.78E-09	2.65E-08	3.43E-08	1.21E-09	4.34E-09	5.54E-09	6.51E-10	2.01E-09	2.66E-09
3081	438076.36	3762333.8	7.93E-09	2.70E-08	3.50E-08	1.23E-09	4.42E-09	5.65E-09	6.64E-10	2.05E-09	2.71E-09
3082	438079.91	3762342.39	8.08E-09	2.76E-08	3.56E-08	1.26E-09	4.50E-09	5.76E-09	6.77E-10	2.09E-09	2.77E-09
3083	438083.46	3762350.99	8.24E-09	2.81E-08	3.63E-08	1.28E-09	4.59E-09	5.87E-09	6.90E-10	2.13E-09	2.82E-09
3084	438087.01	3762359.59	8.4E-09	2.86E-08	3.70E-08	1.31E-09	4.68E-09	5.99E-09	7.03E-10	2.17E-09	2.87E-09
3085	438090.56	3762368.19	8.57E-09	2.92E-08	3.78E-08	1.33E-09	4.77E-09	6.10E-09	7.17E-10	2.21E-09	2.93E-09
3086	438094.11	3762376.79	8.73E-09	2.98E-08	3.85E-08	1.36E-09	4.87E-09	6.22E-09	7.31E-10	2.26E-09	2.99E-09
3087	438097.66	3762385.38	8.91E-09	3.04E-08	3.93E-08	1.38E-09	4.96E-09	6.35E-09	7.46E-10	2.30E-09	3.05E-09
3088	438101.21	3762393.98	9.09E-09	3.10E-08	4.01E-08	1.41E-09	5.06E-09	6.48E-09	7.61E-10	2.35E-09	3.11E-09
3089	438104.76	3762402.58	9.27E-09	3.16E-08	4.09E-08	1.44E-09	5.17E-09	6.61E-09	7.76E-10	2.40E-09	3.17E-09
3090	438108.31	3762411.18	9.47E-09	3.23E-08	4.17E-08	1.47E-09	5.27E-09	6.74E-09	7.92E-10	2.45E-09	3.24E-09
3091	438111.87	3762419.78	9.66E-09	3.30E-08	4.26E-08	1.50E-09	5.38E-09	6.88E-09	8.09E-10	2.50E-09	3.31E-09
3092	438115.42	3762428.37	9.87E-09	3.37E-08	4.35E-08	1.53E-09	5.50E-09	7.03E-09	8.26E-10	2.55E-09	3.38E-09
3093	438118.97	3762436.97	1.01E-08	3.44E-08	4.45E-08	1.57E-09	5.62E-09	7.18E-09	8.44E-10	2.60E-09	3.45E-09
3094	438122.52	3762445.57	1.03E-08	3.51E-08	4.54E-08	1.60E-09	5.74E-09	7.34E-09	8.62E-10	2.66E-09	3.52E-09
3095	438126.07	3762454.17	1.05E-08	3.59E-08	4.64E-08	1.64E-09	5.86E-09	7.50E-09	8.81E-10	2.72E-09	3.60E-09
3096	438129.62	3762462.77	1.08E-08	3.67E-08	4.74E-08	1.67E-09	5.99E-09	7.67E-09	9.01E-10	2.78E-09	3.68E-09
3097	438133.17	3762471.37	1.1E-08	3.75E-08	4.85E-08	1.71E-09	6.13E-09	7.84E-09	9.21E-10	2.84E-09	3.76E-09
3098	438136.72	3762479.96	1.12E-08	3.84E-08	4.96E-08	1.75E-09	6.27E-09	8.01E-09	9.41E-10	2.91E-09	3.85E-09
3099	438140.27	3762488.56	1.15E-08	3.92E-08	5.07E-08	1.79E-09	6.41E-09	8.19E-09	9.63E-10	2.97E-09	3.93E-09
3100	438143.82	3762497.16	1.18E-08	4.01E-08	5.19E-08	1.83E-09	6.55E-09	8.38E-09	9.85E-10	3.04E-09	4.02E-09
3101	438147.37	3762505.76	1.2E-08	4.10E-08	5.31E-08	1.87E-09	6.70E-09	8.57E-09	1.01E-09	3.11E-09	4.12E-09
3102	438150.92	3762514.36	1.23E-08	4.20E-08	5.43E-08	1.91E-09	6.86E-09	8.77E-09	1.03E-09	3.18E-09	4.21E-09
3103	438154.47	3762522.95	1.26E-08	4.29E-08	5.55E-08	1.96E-09	7.01E-09	8.97E-09	1.05E-09	3.25E-09	4.31E-09
3104	438158.02	3762531.55	1.29E-08	4.39E-08	5.68E-08	2.00E-09	7.17E-09	9.17E-09	1.08E-09	3.33E-09	4.40E-09
3105	438161.58	3762540.15	1.32E-08	4.49E-08	5.81E-08	2.05E-09	7.34E-09	9.38E-09	1.10E-09	3.40E-09	4.51E-09
3106	438165.13	3762548.75	1.35E-08	4.59E-08	5.94E-08	2.09E-09	7.50E-09	9.60E-09	1.13E-09	3.48E-09	4.61E-09
3107	438168.68	3762557.35	1.38E-08	4.70E-08	6.07E-08	2.14E-09	7.67E-09	9.81E-09	1.15E-09	3.56E-09	4.71E-09

3108	438172.23	3762565.94	1.41E-08	4.80E-08	6.21E-08	2.19E-09	7.84E-09	1.00E-08	1.18E-09	3.64E-09	4.82E-09
3109	438175.78	3762574.54	1.44E-08	4.91E-08	6.35E-08	2.24E-09	8.02E-09	1.03E-08	1.20E-09	3.72E-09	4.92E-09
3110	438179.33	3762583.14	1.47E-08	5.01E-08	6.49E-08	2.29E-09	8.19E-09	1.05E-08	1.23E-09	3.80E-09	5.03E-09
3111	438193.53	3762617.53	1.6E-08	5.45E-08	7.04E-08	2.48E-09	8.90E-09	1.14E-08	1.34E-09	4.13E-09	5.46E-09
3112	438197.08	3762626.13	1.63E-08	5.55E-08	7.18E-08	2.53E-09	9.07E-09	1.16E-08	1.36E-09	4.21E-09	5.57E-09
3113	438200.63	3762634.73	1.66E-08	5.66E-08	7.32E-08	2.58E-09	9.24E-09	1.18E-08	1.39E-09	4.29E-09	5.68E-09
3114	438204.18	3762643.33	1.69E-08	5.76E-08	7.45E-08	2.63E-09	9.42E-09	1.20E-08	1.41E-09	4.37E-09	5.78E-09
3115	438207.73	3762651.93	1.72E-08	5.87E-08	7.59E-08	2.67E-09	9.59E-09	1.23E-08	1.44E-09	4.45E-09	5.89E-09
3116	438211.28	3762660.52	1.75E-08	5.97E-08	7.72E-08	2.72E-09	9.76E-09	1.25E-08	1.47E-09	4.53E-09	5.99E-09
3117	438214.84	3762669.12	1.78E-08	6.07E-08	7.85E-08	2.77E-09	9.92E-09	1.27E-08	1.49E-09	4.60E-09	6.09E-09
3118	438218.39	3762677.72	1.81E-08	6.17E-08	7.98E-08	2.81E-09	1.01E-08	1.29E-08	1.51E-09	4.67E-09	6.19E-09
3119	438221.94	3762686.32	1.84E-08	6.26E-08	8.10E-08	2.85E-09	1.02E-08	1.31E-08	1.54E-09	4.75E-09	6.28E-09
3120	438225.49	3762694.92	1.86E-08	6.36E-08	8.22E-08	2.90E-09	1.04E-08	1.33E-08	1.56E-09	4.82E-09	6.38E-09
3121	438229.04	3762703.51	1.89E-08	6.45E-08	8.34E-08	2.94E-09	1.05E-08	1.35E-08	1.58E-09	4.88E-09	6.47E-09
3122	438232.59	3762712.11	1.91E-08	6.51E-08	8.42E-08	2.97E-09	1.06E-08	1.36E-08	1.60E-09	4.94E-09	6.54E-09
3123	437987.88	3762178.73	5.74E-09	1.96E-08	2.53E-08	8.91E-10	3.20E-09	4.09E-09	4.80E-10	1.48E-09	1.96E-09
3124	437996.52	3762182.31	5.75E-09	1.96E-08	2.54E-08	8.94E-10	3.21E-09	4.10E-09	4.82E-10	1.49E-09	1.97E-09
3125	438005.15	3762185.89	5.77E-09	1.97E-08	2.55E-08	8.97E-10	3.22E-09	4.11E-09	4.83E-10	1.49E-09	1.97E-09
3126	438013.79	3762189.47	5.79E-09	1.97E-08	2.55E-08	9.00E-10	3.22E-09	4.12E-09	4.85E-10	1.50E-09	1.98E-09
3127	438022.42	3762193.05	5.8E-09	1.98E-08	2.56E-08	9.02E-10	3.23E-09	4.13E-09	4.86E-10	1.50E-09	1.99E-09
3128	438031.06	3762196.63	5.82E-09	1.98E-08	2.57E-08	9.04E-10	3.24E-09	4.14E-09	4.87E-10	1.50E-09	1.99E-09
3129	438039.7	3762200.21	5.83E-09	1.99E-08	2.57E-08	9.06E-10	3.25E-09	4.15E-09	4.88E-10	1.51E-09	1.99E-09
3130	438048.33	3762203.79	5.84E-09	1.99E-08	2.58E-08	9.08E-10	3.25E-09	4.16E-09	4.89E-10	1.51E-09	2.00E-09
3131	438056.97	3762207.37	5.85E-09	1.99E-08	2.58E-08	9.09E-10	3.26E-09	4.17E-09	4.90E-10	1.51E-09	2.00E-09
3132	438069.17	3762219.59	5.96E-09	2.03E-08	2.63E-08	9.27E-10	3.32E-09	4.25E-09	4.99E-10	1.54E-09	2.04E-09
3133	438072.74	3762228.23	6.07E-09	2.07E-08	2.68E-08	9.43E-10	3.38E-09	4.33E-09	5.08E-10	1.57E-09	2.08E-09
3134	438076.31	3762236.87	6.18E-09	2.11E-08	2.73E-08	9.60E-10	3.44E-09	4.40E-09	5.17E-10	1.60E-09	2.11E-09
3135	438079.88	3762245.52	6.29E-09	2.14E-08	2.77E-08	9.77E-10	3.50E-09	4.48E-09	5.26E-10	1.63E-09	2.15E-09
3136	438083.45	3762254.16	6.4E-09	2.18E-08	2.82E-08	9.95E-10	3.57E-09	4.56E-09	5.36E-10	1.65E-09	2.19E-09
3137	438087.02	3762262.8	6.52E-09	2.22E-08	2.87E-08	1.01E-09	3.63E-09	4.64E-09	5.45E-10	1.68E-09	2.23E-09
3138	438090.58	3762271.44	6.63E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.73E-09	5.55E-10	1.71E-09	2.27E-09
3139	438094.15	3762280.08	6.75E-09	2.30E-08	2.98E-08	1.05E-09	3.76E-09	4.81E-09	5.65E-10	1.74E-09	2.31E-09
3140	438097.72	3762288.72	6.87E-09	2.34E-08	3.03E-08	1.07E-09	3.83E-09	4.89E-09	5.75E-10	1.78E-09	2.35E-09
3141	438101.29	3762297.36	6.99E-09	2.38E-08	3.08E-08	1.09E-09	3.89E-09	4.98E-09	5.85E-10	1.81E-09	2.39E-09
3142	438104.86	3762306	7.12E-09	2.43E-08	3.14E-08	1.11E-09	3.96E-09	5.07E-09	5.96E-10	1.84E-09	2.43E-09
3143	438108.43	3762314.64	7.24E-09	2.47E-08	3.19E-08	1.13E-09	4.03E-09	5.16E-09	6.06E-10	1.87E-09	2.48E-09
3144	438111.99	3762323.28	7.37E-09	2.51E-08	3.25E-08	1.15E-09	4.11E-09	5.25E-09	6.17E-10	1.91E-09	2.52E-09
3145	438115.56	3762331.92	7.51E-09	2.56E-08	3.31E-08	1.17E-09	4.18E-09	5.35E-09	6.28E-10	1.94E-09	2.57E-09
3146	438119.13	3762340.57	7.64E-09	2.61E-08	3.37E-08	1.19E-09	4.26E-09	5.44E-09	6.40E-10	1.97E-09	2.61E-09
3147	438122.7	3762349.21	7.78E-09	2.65E-08	3.43E-08	1.21E-09	4.34E-09	5.54E-09	6.51E-10	2.01E-09	2.66E-09
3148	438126.27	3762357.85	7.93E-09	2.70E-08	3.50E-08	1.23E-09	4.42E-09	5.65E-09	6.64E-10	2.05E-09	2.71E-09
3149	438129.84	3762366.49	8.08E-09	2.75E-08	3.56E-08	1.26E-09	4.50E-09	5.75E-09	6.76E-10	2.09E-09	2.76E-09
3150	438133.4	3762375.13	8.23E-09	2.81E-08	3.63E-08	1.28E-09	4.58E-09	5.86E-09	6.89E-10	2.13E-09	2.82E-09
3151	438136.97	3762383.77	8.39E-09	2.86E-08	3.70E-08	1.30E-09	4.67E-09	5.98E-09	7.02E-10	2.17E-09	2.87E-09
3152	438140.54	3762392.41	8.55E-09	2.92E-08	3.77E-08	1.33E-09	4.76E-09	6.09E-09	7.16E-10	2.21E-09	2.93E-09
3153	438144.11	3762401.05	8.72E-09	2.97E-08	3.84E-08	1.35E-09	4.86E-09	6.21E-09	7.30E-10	2.25E-09	2.98E-09
3154	438147.68	3762409.69	8.89E-09	3.03E-08	3.92E-08	1.38E-09	4.95E-09	6.33E-09	7.44E-10	2.30E-09	3.04E-09
3155	438151.25	3762418.33	9.07E-09	3.09E-08	4.00E-08	1.41E-09	5.05E-09	6.46E-09	7.59E-10	2.34E-09	3.10E-09
3156	438154.81	3762426.98	9.26E-09	3.16E-08	4.08E-08	1.44E-09	5.16E-09	6.59E-09	7.75E-10	2.39E-09	3.17E-09
3157	438158.38	3762435.62	9.45E-09	3.22E-08	4.17E-08	1.47E-09	5.26E-09	6.73E-09	7.91E-10	2.44E-09	3.23E-09
3158	438161.95	3762444.26	9.64E-09	3.29E-08	4.25E-08	1.50E-09	5.37E-09	6.87E-09	8.07E-10	2.49E-09	3.30E-09
3159	438165.52	3762452.9	9.85E-09	3.36E-08	4.34E-08	1.53E-09	5.49E-09	7.02E-09	8.24E-10	2.54E-09	3.37E-09
3160	438169.09	3762461.54	1.01E-08	3.43E-08	4.43E-08	1.56E-09	5.60E-09	7.16E-09	8.42E-10	2.60E-09	3.44E-09
3161	438172.66	3762470.18	1.03E-08	3.50E-08	4.53E-08	1.60E-09	5.72E-09	7.32E-09	8.60E-10	2.65E-09	3.51E-09
3162	438176.22	3762478.82	1.05E-08	3.58E-08	4.63E-08	1.63E-09	5.85E-09	7.48E-09	8.78E-10	2.71E-09	3.59E-09
3163	438179.79	3762487.46	1.07E-08	3.66E-08	4.73E-08	1.67E-09	5.97E-09	7.64E-09	8.97E-10	2.77E-09	3.67E-09
3164	438183.36	3762496.1	1.1E-08	3.74E-08	4.83E-08	1.70E-09	6.10E-09	7.80E-09	9.17E-10	2.83E-09	3.75E-09
3165	438197.63	3762530.67	1.19E-08	4.07E-08	5.27E-08	1.86E-09	6.65E-09	8.51E-09	1.00E-09	3.09E-09	4.09E-09
3166	438201.2	3762539.31	1.22E-08	4.16E-08	5.38E-08	1.90E-09	6.80E-09	8.69E-09	1.02E-09	3.15E-09	4.17E-09
3167	438204.77	3762547.95	1.25E-08	4.25E-08	5.50E-08	1.94E-09	6.94E-09	8.88E-09	1.04E-09	3.22E-09	4.26E-09
3168	438208.34	3762556.59	1.27E-08	4.34E-08	5.61E-08	1.98E-09	7.09E-09	9.07E-09	1.07E-09	3.29E-09	4.35E-09

3169	438211.91	3762565.23	1.3E-08	4.43E-08	5.73E-08	2.02E-09	7.24E-09	9.26E-09	1.09E-09	3.36E-09	4.44E-09
3170	438215.48	3762573.87	1.33E-08	4.52E-08	5.85E-08	2.06E-09	7.39E-09	9.45E-09	1.11E-09	3.43E-09	4.54E-09
3171	438219.05	3762582.51	1.35E-08	4.62E-08	5.97E-08	2.10E-09	7.54E-09	9.64E-09	1.13E-09	3.50E-09	4.63E-09
3172	438233.32	3762617.08	1.46E-08	4.99E-08	6.45E-08	2.27E-09	8.14E-09	1.04E-08	1.22E-09	3.78E-09	5.00E-09
3173	438236.89	3762625.72	1.49E-08	5.08E-08	6.57E-08	2.31E-09	8.29E-09	1.06E-08	1.25E-09	3.85E-09	5.09E-09
3174	438240.46	3762634.36	1.52E-08	5.17E-08	6.68E-08	2.36E-09	8.44E-09	1.08E-08	1.27E-09	3.92E-09	5.19E-09
3175	438244.02	3762643	1.54E-08	5.26E-08	6.80E-08	2.40E-09	8.59E-09	1.10E-08	1.29E-09	3.98E-09	5.28E-09
3176	438247.59	3762651.64	1.57E-08	5.35E-08	6.92E-08	2.44E-09	8.74E-09	1.12E-08	1.31E-09	4.05E-09	5.36E-09
3177	438251.16	3762660.28	1.59E-08	5.43E-08	7.03E-08	2.48E-09	8.88E-09	1.14E-08	1.33E-09	4.12E-09	5.45E-09
3178	438254.73	3762668.92	1.62E-08	5.52E-08	7.14E-08	2.52E-09	9.02E-09	1.15E-08	1.35E-09	4.18E-09	5.54E-09
3179	438258.3	3762677.56	1.64E-08	5.60E-08	7.25E-08	2.55E-09	9.15E-09	1.17E-08	1.38E-09	4.25E-09	5.62E-09
3180	438261.87	3762686.2	1.67E-08	5.68E-08	7.35E-08	2.59E-09	9.29E-09	1.19E-08	1.40E-09	4.31E-09	5.70E-09
3181	438265.43	3762694.85	1.69E-08	5.76E-08	7.45E-08	2.63E-09	9.42E-09	1.20E-08	1.41E-09	4.37E-09	5.78E-09
3182	438269	3762703.49	1.71E-08	5.84E-08	7.56E-08	2.66E-09	9.55E-09	1.22E-08	1.43E-09	4.43E-09	5.86E-09
3183	438272.57	3762712.13	1.74E-08	5.92E-08	7.66E-08	2.70E-09	9.67E-09	1.24E-08	1.45E-09	4.49E-09	5.94E-09
3184	437599.45	3761977.7	3.24E-09	1.10E-08	1.43E-08	5.03E-10	1.80E-09	2.31E-09	2.71E-10	8.36E-10	1.11E-09
3185	437608.12	3761981.3	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.34E-09	2.75E-10	8.50E-10	1.13E-09
3186	437616.8	3761984.89	3.34E-09	1.14E-08	1.47E-08	5.19E-10	1.86E-09	2.38E-09	2.80E-10	8.63E-10	1.14E-09
3187	437625.47	3761988.49	3.4E-09	1.16E-08	1.50E-08	5.28E-10	1.89E-09	2.42E-09	2.84E-10	8.77E-10	1.16E-09
3188	437634.15	3761992.09	3.45E-09	1.18E-08	1.52E-08	5.36E-10	1.92E-09	2.46E-09	2.89E-10	8.92E-10	1.18E-09
3189	437642.82	3761995.68	3.51E-09	1.20E-08	1.55E-08	5.45E-10	1.95E-09	2.50E-09	2.93E-10	9.06E-10	1.20E-09
3190	437651.5	3761999.28	3.56E-09	1.21E-08	1.57E-08	5.53E-10	1.98E-09	2.54E-09	2.98E-10	9.20E-10	1.22E-09
3191	437989.81	3762139.53	5.19E-09	1.77E-08	2.29E-08	8.07E-10	2.89E-09	3.70E-09	4.35E-10	1.34E-09	1.78E-09
3192	437998.49	3762143.13	5.21E-09	1.78E-08	2.30E-08	8.10E-10	2.90E-09	3.71E-09	4.36E-10	1.35E-09	1.78E-09
3193	438007.16	3762146.72	5.23E-09	1.78E-08	2.31E-08	8.13E-10	2.91E-09	3.73E-09	4.38E-10	1.35E-09	1.79E-09
3194	438015.84	3762150.32	5.25E-09	1.79E-08	2.31E-08	8.16E-10	2.92E-09	3.74E-09	4.39E-10	1.36E-09	1.80E-09
3195	438024.51	3762153.92	5.26E-09	1.80E-08	2.32E-08	8.18E-10	2.93E-09	3.75E-09	4.41E-10	1.36E-09	1.80E-09
3196	438033.19	3762157.51	5.28E-09	1.80E-08	2.33E-08	8.20E-10	2.94E-09	3.76E-09	4.42E-10	1.36E-09	1.81E-09
3197	438041.86	3762161.11	5.29E-09	1.81E-08	2.33E-08	8.23E-10	2.95E-09	3.77E-09	4.43E-10	1.37E-09	1.81E-09
3198	438050.53	3762164.71	5.31E-09	1.81E-08	2.34E-08	8.25E-10	2.96E-09	3.78E-09	4.44E-10	1.37E-09	1.82E-09
3199	438059.21	3762168.3	5.32E-09	1.81E-08	2.35E-08	8.26E-10	2.96E-09	3.79E-09	4.45E-10	1.37E-09	1.82E-09
3200	438067.88	3762171.9	5.33E-09	1.82E-08	2.35E-08	8.28E-10	2.97E-09	3.80E-09	4.46E-10	1.38E-09	1.82E-09
3201	438076.56	3762175.49	5.34E-09	1.82E-08	2.35E-08	8.29E-10	2.97E-09	3.80E-09	4.47E-10	1.38E-09	1.83E-09
3202	438085.23	3762179.09	5.35E-09	1.82E-08	2.36E-08	8.31E-10	2.98E-09	3.81E-09	4.48E-10	1.38E-09	1.83E-09
3203	438097.49	3762191.37	5.45E-09	1.86E-08	2.40E-08	8.46E-10	3.03E-09	3.88E-09	4.56E-10	1.41E-09	1.86E-09
3204	438101.08	3762200.05	5.54E-09	1.89E-08	2.44E-08	8.61E-10	3.09E-09	3.95E-09	4.64E-10	1.43E-09	1.89E-09
3205	438104.66	3762208.73	5.63E-09	1.92E-08	2.48E-08	8.75E-10	3.14E-09	4.01E-09	4.71E-10	1.46E-09	1.93E-09
3206	438108.25	3762217.41	5.73E-09	1.95E-08	2.53E-08	8.90E-10	3.19E-09	4.08E-09	4.79E-10	1.48E-09	1.96E-09
3207	438111.83	3762226.08	5.82E-09	1.99E-08	2.57E-08	9.05E-10	3.24E-09	4.15E-09	4.88E-10	1.50E-09	1.99E-09
3208	438115.41	3762234.76	5.92E-09	2.02E-08	2.61E-08	9.20E-10	3.30E-09	4.22E-09	4.96E-10	1.53E-09	2.03E-09
3209	438119	3762243.44	6.02E-09	2.05E-08	2.66E-08	9.35E-10	3.35E-09	4.29E-09	5.04E-10	1.56E-09	2.06E-09
3210	438122.58	3762252.12	6.12E-09	2.09E-08	2.70E-08	9.51E-10	3.41E-09	4.36E-09	5.12E-10	1.58E-09	2.09E-09
3211	438126.17	3762260.8	6.22E-09	2.12E-08	2.74E-08	9.67E-10	3.47E-09	4.43E-09	5.21E-10	1.61E-09	2.13E-09
3212	438129.75	3762269.48	6.32E-09	2.16E-08	2.79E-08	9.83E-10	3.52E-09	4.51E-09	5.29E-10	1.63E-09	2.16E-09
3213	438133.34	3762278.16	6.43E-09	2.19E-08	2.84E-08	9.99E-10	3.58E-09	4.58E-09	5.38E-10	1.66E-09	2.20E-09
3214	438136.92	3762286.84	6.54E-09	2.23E-08	2.88E-08	1.02E-09	3.64E-09	4.66E-09	5.47E-10	1.69E-09	2.24E-09
3215	438140.51	3762295.52	6.65E-09	2.27E-08	2.93E-08	1.03E-09	3.70E-09	4.74E-09	5.56E-10	1.72E-09	2.27E-09
3216	438144.09	3762304.2	6.76E-09	2.30E-08	2.98E-08	1.05E-09	3.76E-09	4.82E-09	5.66E-10	1.75E-09	2.31E-09
3217	438147.67	3762312.88	6.87E-09	2.34E-08	3.03E-08	1.07E-09	3.83E-09	4.90E-09	5.75E-10	1.78E-09	2.35E-09
3218	438151.26	3762321.56	6.99E-09	2.38E-08	3.08E-08	1.09E-09	3.89E-09	4.98E-09	5.85E-10	1.81E-09	2.39E-09
3219	438154.84	3762330.24	7.11E-09	2.42E-08	3.14E-08	1.10E-09	3.96E-09	5.07E-09	5.95E-10	1.84E-09	2.43E-09
3220	438158.43	3762338.92	7.23E-09	2.47E-08	3.19E-08	1.12E-09	4.03E-09	5.15E-09	6.06E-10	1.87E-09	2.47E-09
3221	438162.01	3762347.6	7.36E-09	2.51E-08	3.25E-08	1.14E-09	4.10E-09	5.24E-09	6.16E-10	1.90E-09	2.52E-09
3222	438165.6	3762356.28	7.49E-09	2.55E-08	3.30E-08	1.16E-09	4.17E-09	5.34E-09	6.27E-10	1.94E-09	2.56E-09
3223	438169.18	3762364.96	7.63E-09	2.60E-08	3.36E-08	1.19E-09	4.25E-09	5.44E-09	6.39E-10	1.97E-09	2.61E-09
3224	438172.76	3762373.64	7.77E-09	2.65E-08	3.43E-08	1.21E-09	4.33E-09	5.54E-09	6.50E-10	2.01E-09	2.66E-09
3225	438176.35	3762382.32	7.91E-09	2.70E-08	3.49E-08	1.23E-09	4.41E-09	5.64E-09	6.62E-10	2.04E-09	2.71E-09
3226	438179.93	3762391	8.06E-09	2.75E-08	3.55E-08	1.25E-09	4.49E-09	5.74E-09	6.75E-10	2.08E-09	2.76E-09
3227	438183.52	3762399.68	8.21E-09	2.80E-08	3.62E-08	1.28E-09	4.58E-09	5.85E-09	6.87E-10	2.12E-09	2.81E-09
3228	438187.1	3762408.36	8.37E-09	2.85E-08	3.69E-08	1.30E-09	4.66E-09	5.96E-09	7.01E-10	2.16E-09	2.86E-09
3229	438190.69	3762417.04	8.53E-09	2.91E-08	3.76E-08	1.33E-09	4.75E-09	6.08E-09	7.14E-10	2.21E-09	2.92E-09

3230	438194.27	3762425.72	8.7E-09	2.97E-08	3.84E-08	1.35E-09	4.85E-09	6.20E-09	7.28E-10	2.25E-09	2.98E-09
3231	438197.86	3762434.4	8.87E-09	3.03E-08	3.91E-08	1.38E-09	4.94E-09	6.32E-09	7.43E-10	2.29E-09	3.04E-09
3232	438201.44	3762443.08	9.05E-09	3.09E-08	3.99E-08	1.41E-09	5.04E-09	6.45E-09	7.58E-10	2.34E-09	3.10E-09
3233	438205.02	3762451.76	9.24E-09	3.15E-08	4.07E-08	1.44E-09	5.15E-09	6.58E-09	7.73E-10	2.39E-09	3.16E-09
3234	438208.61	3762460.44	9.43E-09	3.21E-08	4.16E-08	1.46E-09	5.25E-09	6.72E-09	7.89E-10	2.44E-09	3.22E-09
3235	438212.19	3762469.12	9.62E-09	3.28E-08	4.24E-08	1.49E-09	5.36E-09	6.85E-09	8.05E-10	2.49E-09	3.29E-09
3236	438215.78	3762477.8	9.82E-09	3.35E-08	4.33E-08	1.53E-09	5.47E-09	7.00E-09	8.22E-10	2.54E-09	3.36E-09
3237	438219.36	3762486.48	1E-08	3.42E-08	4.42E-08	1.56E-09	5.58E-09	7.14E-09	8.39E-10	2.59E-09	3.43E-09
3238	438222.95	3762495.16	1.02E-08	3.49E-08	4.51E-08	1.59E-09	5.70E-09	7.29E-09	8.56E-10	2.64E-09	3.50E-09
3239	438237.28	3762529.87	1.11E-08	3.79E-08	4.90E-08	1.73E-09	6.19E-09	7.91E-09	9.29E-10	2.87E-09	3.80E-09
3240	438240.87	3762538.55	1.13E-08	3.86E-08	5.00E-08	1.76E-09	6.31E-09	8.07E-09	9.48E-10	2.93E-09	3.88E-09
3241	438244.45	3762547.23	1.16E-08	3.94E-08	5.10E-08	1.80E-09	6.44E-09	8.24E-09	9.68E-10	2.99E-09	3.95E-09
3242	438248.04	3762555.91	1.18E-08	4.02E-08	5.20E-08	1.83E-09	6.57E-09	8.40E-09	9.87E-10	3.05E-09	4.03E-09
3243	438251.62	3762564.59	1.2E-08	4.10E-08	5.30E-08	1.87E-09	6.70E-09	8.57E-09	1.01E-09	3.11E-09	4.11E-09
3244	438255.2	3762573.27	1.23E-08	4.18E-08	5.41E-08	1.90E-09	6.83E-09	8.73E-09	1.03E-09	3.17E-09	4.19E-09
3245	438258.79	3762581.95	1.25E-08	4.26E-08	5.51E-08	1.94E-09	6.96E-09	8.90E-09	1.05E-09	3.23E-09	4.28E-09
3246	438294.63	3762668.75	1.48E-08	5.04E-08	6.52E-08	2.30E-09	8.24E-09	1.05E-08	1.24E-09	3.82E-09	5.06E-09
3247	438298.22	3762677.43	1.5E-08	5.12E-08	6.62E-08	2.33E-09	8.36E-09	1.07E-08	1.26E-09	3.88E-09	5.13E-09
3248	438301.8	3762686.11	1.52E-08	5.19E-08	6.71E-08	2.36E-09	8.47E-09	1.08E-08	1.27E-09	3.93E-09	5.20E-09
3249	438305.39	3762694.79	1.54E-08	5.25E-08	6.79E-08	2.39E-09	8.58E-09	1.10E-08	1.29E-09	3.98E-09	5.27E-09
3250	438308.97	3762703.47	1.56E-08	5.32E-08	6.88E-08	2.42E-09	8.69E-09	1.11E-08	1.31E-09	4.03E-09	5.34E-09
3251	438312.55	3762712.15	1.58E-08	5.39E-08	6.97E-08	2.46E-09	8.80E-09	1.13E-08	1.32E-09	4.08E-09	5.41E-09
3252	437598.96	3761937.5	2.95E-09	1.01E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.62E-10	1.01E-09
3253	437607.54	3761941.06	2.99E-09	1.02E-08	1.32E-08	4.65E-10	1.67E-09	2.13E-09	2.50E-10	7.73E-10	1.02E-09
3254	437616.11	3761944.61	3.04E-09	1.04E-08	1.34E-08	4.72E-10	1.69E-09	2.16E-09	2.54E-10	7.85E-10	1.04E-09
3255	437624.69	3761948.17	3.08E-09	1.05E-08	1.36E-08	4.79E-10	1.72E-09	2.20E-09	2.58E-10	7.97E-10	1.05E-09
3256	437633.27	3761951.72	3.13E-09	1.07E-08	1.38E-08	4.86E-10	1.74E-09	2.23E-09	2.62E-10	8.09E-10	1.07E-09
3257	437641.85	3761955.28	3.18E-09	1.08E-08	1.40E-08	4.94E-10	1.77E-09	2.26E-09	2.66E-10	8.21E-10	1.09E-09
3258	437650.43	3761958.84	3.22E-09	1.10E-08	1.42E-08	5.01E-10	1.80E-09	2.30E-09	2.70E-10	8.33E-10	1.10E-09
3259	437659	3761962.39	3.27E-09	1.12E-08	1.44E-08	5.09E-10	1.82E-09	2.33E-09	2.74E-10	8.46E-10	1.12E-09
3260	437667.58	3761965.95	3.32E-09	1.13E-08	1.46E-08	5.16E-10	1.85E-09	2.37E-09	2.78E-10	8.58E-10	1.14E-09
3261	437676.16	3761969.51	3.37E-09	1.15E-08	1.49E-08	5.24E-10	1.88E-09	2.40E-09	2.82E-10	8.71E-10	1.15E-09
3262	437684.74	3761973.06	3.42E-09	1.17E-08	1.51E-08	5.31E-10	1.91E-09	2.44E-09	2.86E-10	8.84E-10	1.17E-09
3263	437693.32	3761976.62	3.47E-09	1.18E-08	1.53E-08	5.39E-10	1.93E-09	2.47E-09	2.90E-10	8.96E-10	1.19E-09
3264	437701.89	3761980.17	3.52E-09	1.20E-08	1.55E-08	5.46E-10	1.96E-09	2.51E-09	2.94E-10	9.09E-10	1.20E-09
3265	437710.47	3761983.73	3.56E-09	1.22E-08	1.57E-08	5.54E-10	1.99E-09	2.54E-09	2.98E-10	9.21E-10	1.22E-09
3266	437719.05	3761987.29	3.61E-09	1.23E-08	1.59E-08	5.61E-10	2.01E-09	2.57E-09	3.02E-10	9.33E-10	1.23E-09
3267	437727.63	3761990.84	3.66E-09	1.25E-08	1.61E-08	5.68E-10	2.04E-09	2.60E-09	3.06E-10	9.45E-10	1.25E-09
3268	437736.21	3761994.4	3.7E-09	1.26E-08	1.63E-08	5.75E-10	2.06E-09	2.64E-09	3.10E-10	9.57E-10	1.27E-09
3269	437744.78	3761997.95	3.75E-09	1.28E-08	1.65E-08	5.82E-10	2.09E-09	2.67E-09	3.14E-10	9.69E-10	1.28E-09
3270	437993.54	3762101.08	4.73E-09	1.61E-08	2.09E-08	7.35E-10	2.64E-09	3.37E-09	3.96E-10	1.22E-09	1.62E-09
3271	438002.12	3762104.64	4.75E-09	1.62E-08	2.10E-08	7.38E-10	2.65E-09	3.38E-09	3.98E-10	1.23E-09	1.63E-09
3272	438010.7	3762108.19	4.77E-09	1.63E-08	2.10E-08	7.41E-10	2.66E-09	3.40E-09	3.99E-10	1.23E-09	1.63E-09
3273	438019.28	3762111.75	4.79E-09	1.63E-08	2.11E-08	7.44E-10	2.67E-09	3.41E-09	4.01E-10	1.24E-09	1.64E-09
3274	438027.85	3762115.3	4.8E-09	1.64E-08	2.12E-08	7.47E-10	2.68E-09	3.42E-09	4.02E-10	1.24E-09	1.64E-09
3275	438036.43	3762118.86	4.82E-09	1.64E-08	2.13E-08	7.49E-10	2.68E-09	3.43E-09	4.03E-10	1.25E-09	1.65E-09
3276	438045.01	3762122.42	4.83E-09	1.65E-08	2.13E-08	7.51E-10	2.69E-09	3.44E-09	4.05E-10	1.25E-09	1.65E-09
3277	438053.59	3762125.97	4.85E-09	1.65E-08	2.14E-08	7.53E-10	2.70E-09	3.45E-09	4.06E-10	1.25E-09	1.66E-09
3278	438062.17	3762129.53	4.86E-09	1.66E-08	2.14E-08	7.55E-10	2.71E-09	3.46E-09	4.07E-10	1.26E-09	1.66E-09
3279	438070.74	3762133.09	4.87E-09	1.66E-08	2.15E-08	7.57E-10	2.71E-09	3.47E-09	4.08E-10	1.26E-09	1.67E-09
3280	438079.32	3762136.64	4.88E-09	1.66E-08	2.15E-08	7.58E-10	2.72E-09	3.48E-09	4.08E-10	1.26E-09	1.67E-09
3281	438087.9	3762140.2	4.89E-09	1.67E-08	2.16E-08	7.60E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
3282	438096.48	3762143.75	4.9E-09	1.67E-08	2.16E-08	7.61E-10	2.73E-09	3.49E-09	4.10E-10	1.27E-09	1.68E-09
3283	438105.06	3762147.31	4.91E-09	1.67E-08	2.16E-08	7.63E-10	2.73E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
3284	438113.63	3762150.87	4.92E-09	1.68E-08	2.17E-08	7.64E-10	2.74E-09	3.50E-09	4.12E-10	1.27E-09	1.68E-09
3285	438125.76	3762163	5E-09	1.70E-08	2.20E-08	7.77E-10	2.79E-09	3.56E-09	4.18E-10	1.29E-09	1.71E-09
3286	438129.3	3762171.59	5.08E-09	1.73E-08	2.24E-08	7.89E-10	2.83E-09	3.62E-09	4.25E-10	1.31E-09	1.74E-09
3287	438132.85	3762180.17	5.16E-09	1.76E-08	2.27E-08	8.01E-10	2.87E-09	3.67E-09	4.32E-10	1.33E-09	1.76E-09
3288	438136.39	3762188.75	5.24E-09	1.79E-08	2.31E-08	8.14E-10	2.92E-09	3.73E-09	4.38E-10	1.35E-09	1.79E-09
3289	438139.93	3762197.34	5.32E-09	1.81E-08	2.35E-08	8.27E-10	2.96E-09	3.79E-09	4.45E-10	1.37E-09	1.82E-09
3290	438143.48	3762205.92	5.4E-09	1.84E-08	2.38E-08	8.40E-10	3.01E-09	3.85E-09	4.52E-10	1.40E-09	1.85E-09

3291	438147.02	3762214.5	5.49E-09	1.87E-08	2.42E-08	8.53E-10	3.06E-09	3.91E-09	4.59E-10	1.42E-09	1.88E-09
3292	438150.57	3762223.08	5.57E-09	1.90E-08	2.46E-08	8.66E-10	3.10E-09	3.97E-09	4.66E-10	1.44E-09	1.91E-09
3293	438154.11	3762231.67	5.66E-09	1.93E-08	2.50E-08	8.79E-10	3.15E-09	4.03E-09	4.74E-10	1.46E-09	1.94E-09
3294	438157.66	3762240.25	5.75E-09	1.96E-08	2.53E-08	8.93E-10	3.20E-09	4.09E-09	4.81E-10	1.48E-09	1.97E-09
3295	438161.2	3762248.83	5.83E-09	1.99E-08	2.57E-08	9.06E-10	3.25E-09	4.16E-09	4.88E-10	1.51E-09	2.00E-09
3296	438164.74	3762257.41	5.92E-09	2.02E-08	2.61E-08	9.20E-10	3.30E-09	4.22E-09	4.96E-10	1.53E-09	2.03E-09
3297	438168.29	3762266	6.02E-09	2.05E-08	2.65E-08	9.35E-10	3.35E-09	4.29E-09	5.03E-10	1.55E-09	2.06E-09
3298	438171.83	3762274.58	6.11E-09	2.08E-08	2.69E-08	9.49E-10	3.40E-09	4.35E-09	5.11E-10	1.58E-09	2.09E-09
3299	438175.38	3762283.16	6.2E-09	2.12E-08	2.74E-08	9.64E-10	3.46E-09	4.42E-09	5.19E-10	1.60E-09	2.12E-09
3300	438178.92	3762291.75	6.3E-09	2.15E-08	2.78E-08	9.79E-10	3.51E-09	4.49E-09	5.27E-10	1.63E-09	2.16E-09
3301	438182.47	3762300.33	6.4E-09	2.18E-08	2.82E-08	9.94E-10	3.56E-09	4.56E-09	5.36E-10	1.65E-09	2.19E-09
3302	438186.01	3762308.91	6.5E-09	2.22E-08	2.87E-08	1.01E-09	3.62E-09	4.63E-09	5.44E-10	1.68E-09	2.22E-09
3303	438189.55	3762317.49	6.61E-09	2.25E-08	2.91E-08	1.03E-09	3.68E-09	4.71E-09	5.53E-10	1.71E-09	2.26E-09
3304	438193.1	3762326.08	6.71E-09	2.29E-08	2.96E-08	1.04E-09	3.74E-09	4.78E-09	5.62E-10	1.73E-09	2.30E-09
3305	438196.64	3762334.66	6.82E-09	2.33E-08	3.01E-08	1.06E-09	3.80E-09	4.86E-09	5.71E-10	1.76E-09	2.33E-09
3306	438200.19	3762343.24	6.94E-09	2.37E-08	3.06E-08	1.08E-09	3.86E-09	4.94E-09	5.81E-10	1.79E-09	2.37E-09
3307	438203.73	3762351.83	7.06E-09	2.41E-08	3.11E-08	1.10E-09	3.93E-09	5.03E-09	5.91E-10	1.82E-09	2.41E-09
3308	438207.28	3762360.41	7.17E-09	2.45E-08	3.16E-08	1.11E-09	4.00E-09	5.11E-09	6.01E-10	1.85E-09	2.45E-09
3309	438210.82	3762368.99	7.3E-09	2.49E-08	3.22E-08	1.13E-09	4.07E-09	5.20E-09	6.11E-10	1.89E-09	2.50E-09
3310	438214.37	3762377.57	7.43E-09	2.53E-08	3.27E-08	1.15E-09	4.14E-09	5.29E-09	6.22E-10	1.92E-09	2.54E-09
3311	438217.91	3762386.16	7.56E-09	2.58E-08	3.33E-08	1.17E-09	4.21E-09	5.38E-09	6.33E-10	1.95E-09	2.59E-09
3312	438221.45	3762394.74	7.69E-09	2.62E-08	3.39E-08	1.20E-09	4.29E-09	5.48E-09	6.44E-10	1.99E-09	2.63E-09
3313	438225	3762403.32	7.83E-09	2.67E-08	3.45E-08	1.22E-09	4.36E-09	5.58E-09	6.56E-10	2.02E-09	2.68E-09
3314	438228.54	3762411.9	7.98E-09	2.72E-08	3.52E-08	1.24E-09	4.44E-09	5.68E-09	6.68E-10	2.06E-09	2.73E-09
3315	438232.09	3762420.49	8.12E-09	2.77E-08	3.58E-08	1.26E-09	4.53E-09	5.79E-09	6.80E-10	2.10E-09	2.78E-09
3316	438235.63	3762429.07	8.28E-09	2.82E-08	3.65E-08	1.29E-09	4.61E-09	5.90E-09	6.93E-10	2.14E-09	2.83E-09
3317	438239.18	3762437.65	8.43E-09	2.88E-08	3.72E-08	1.31E-09	4.70E-09	6.01E-09	7.06E-10	2.18E-09	2.89E-09
3318	438242.72	3762446.24	8.6E-09	2.93E-08	3.79E-08	1.34E-09	4.79E-09	6.13E-09	7.20E-10	2.22E-09	2.94E-09
3319	438246.26	3762454.82	8.76E-09	2.99E-08	3.86E-08	1.36E-09	4.88E-09	6.24E-09	7.33E-10	2.26E-09	3.00E-09
3320	438249.81	3762463.4	8.93E-09	3.05E-08	3.94E-08	1.39E-09	4.98E-09	6.36E-09	7.48E-10	2.31E-09	3.06E-09
3321	438253.35	3762471.98	9.11E-09	3.11E-08	4.02E-08	1.42E-09	5.07E-09	6.49E-09	7.62E-10	2.35E-09	3.12E-09
3322	438256.9	3762480.57	9.28E-09	3.17E-08	4.09E-08	1.44E-09	5.17E-09	6.61E-09	7.77E-10	2.40E-09	3.18E-09
3323	438260.44	3762489.15	9.46E-09	3.23E-08	4.17E-08	1.47E-09	5.27E-09	6.74E-09	7.92E-10	2.45E-09	3.24E-09
3324	438263.99	3762497.73	9.65E-09	3.29E-08	4.25E-08	1.50E-09	5.37E-09	6.87E-09	8.08E-10	2.49E-09	3.30E-09
3325	438299.43	3762583.56	1.16E-08	3.96E-08	5.13E-08	1.81E-09	6.48E-09	8.28E-09	9.73E-10	3.00E-09	3.98E-09
3326	438313.61	3762617.89	1.24E-08	4.24E-08	5.48E-08	1.93E-09	6.93E-09	8.86E-09	1.04E-09	3.21E-09	4.25E-09
3327	438317.15	3762626.47	1.26E-08	4.31E-08	5.57E-08	1.96E-09	7.04E-09	9.00E-09	1.06E-09	3.27E-09	4.32E-09
3328	438320.7	3762635.06	1.28E-08	4.38E-08	5.66E-08	1.99E-09	7.15E-09	9.14E-09	1.07E-09	3.32E-09	4.39E-09
3329	438324.24	3762643.64	1.3E-08	4.44E-08	5.75E-08	2.02E-09	7.26E-09	9.28E-09	1.09E-09	3.37E-09	4.46E-09
3330	438327.78	3762652.22	1.32E-08	4.51E-08	5.83E-08	2.05E-09	7.37E-09	9.42E-09	1.11E-09	3.42E-09	4.52E-09
3331	438331.33	3762660.81	1.34E-08	4.57E-08	5.91E-08	2.08E-09	7.47E-09	9.55E-09	1.12E-09	3.47E-09	4.59E-09
3332	438334.87	3762669.39	1.36E-08	4.64E-08	5.99E-08	2.11E-09	7.57E-09	9.68E-09	1.14E-09	3.51E-09	4.65E-09
3333	438338.42	3762677.97	1.38E-08	4.70E-08	6.07E-08	2.14E-09	7.67E-09	9.81E-09	1.15E-09	3.56E-09	4.71E-09
3334	438341.96	3762686.55	1.39E-08	4.75E-08	6.15E-08	2.17E-09	7.77E-09	9.93E-09	1.17E-09	3.60E-09	4.77E-09
3335	438345.51	3762695.14	1.41E-08	4.81E-08	6.22E-08	2.19E-09	7.86E-09	1.01E-08	1.18E-09	3.65E-09	4.83E-09
3336	438349.05	3762703.72	1.43E-08	4.87E-08	6.30E-08	2.22E-09	7.96E-09	1.02E-08	1.20E-09	3.69E-09	4.89E-09
3337	437616.37	3761904.72	2.79E-09	9.51E-09	1.23E-08	4.33E-10	1.55E-09	1.99E-09	2.33E-10	7.21E-10	9.54E-10
3338	437624.99	3761908.29	2.83E-09	9.65E-09	1.25E-08	4.40E-10	1.58E-09	2.02E-09	2.37E-10	7.31E-10	9.68E-10
3339	437633.6	3761911.86	2.87E-09	9.79E-09	1.27E-08	4.46E-10	1.60E-09	2.04E-09	2.40E-10	7.42E-10	9.82E-10
3340	437642.22	3761915.44	2.91E-09	9.93E-09	1.28E-08	4.52E-10	1.62E-09	2.07E-09	2.44E-10	7.52E-10	9.96E-10
3341	437650.83	3761919.01	2.95E-09	1.01E-08	1.30E-08	4.59E-10	1.64E-09	2.10E-09	2.47E-10	7.63E-10	1.01E-09
3342	437659.45	3761922.58	2.99E-09	1.02E-08	1.32E-08	4.65E-10	1.67E-09	2.13E-09	2.51E-10	7.74E-10	1.02E-09
3343	437668.06	3761926.15	3.04E-09	1.04E-08	1.34E-08	4.72E-10	1.69E-09	2.16E-09	2.54E-10	7.85E-10	1.04E-09
3344	437676.68	3761929.72	3.08E-09	1.05E-08	1.36E-08	4.78E-10	1.71E-09	2.19E-09	2.58E-10	7.95E-10	1.05E-09
3345	437685.29	3761933.29	3.12E-09	1.06E-08	1.38E-08	4.85E-10	1.74E-09	2.22E-09	2.61E-10	8.06E-10	1.07E-09
3346	437693.91	3761936.86	3.16E-09	1.08E-08	1.39E-08	4.91E-10	1.76E-09	2.25E-09	2.65E-10	8.17E-10	1.08E-09
3347	437702.52	3761940.44	3.2E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.28E-09	2.68E-10	8.28E-10	1.10E-09
3348	437711.14	3761944.01	3.25E-09	1.11E-08	1.43E-08	5.04E-10	1.81E-09	2.31E-09	2.72E-10	8.39E-10	1.11E-09
3349	437719.75	3761947.58	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.34E-09	2.75E-10	8.50E-10	1.12E-09
3350	437728.37	3761951.15	3.33E-09	1.14E-08	1.47E-08	5.17E-10	1.85E-09	2.37E-09	2.79E-10	8.60E-10	1.14E-09
3351	437736.99	3761954.72	3.37E-09	1.15E-08	1.49E-08	5.24E-10	1.88E-09	2.40E-09	2.82E-10	8.71E-10	1.15E-09

3352	437745.6	3761958.29	3.41E-09	1.16E-08	1.51E-08	5.30E-10	1.90E-09	2.43E-09	2.86E-10	8.82E-10	1.17E-09
3353	437754.22	3761961.87	3.46E-09	1.18E-08	1.52E-08	5.37E-10	1.93E-09	2.46E-09	2.89E-10	8.93E-10	1.18E-09
3354	437762.83	3761965.44	3.5E-09	1.19E-08	1.54E-08	5.43E-10	1.95E-09	2.49E-09	2.93E-10	9.04E-10	1.20E-09
3355	437771.45	3761969.01	3.54E-09	1.21E-08	1.56E-08	5.50E-10	1.97E-09	2.52E-09	2.96E-10	9.15E-10	1.21E-09
3356	437780.06	3761972.58	3.58E-09	1.22E-08	1.58E-08	5.56E-10	1.99E-09	2.55E-09	3.00E-10	9.25E-10	1.22E-09
3357	437788.68	3761976.15	3.62E-09	1.23E-08	1.60E-08	5.62E-10	2.02E-09	2.58E-09	3.03E-10	9.35E-10	1.24E-09
3358	437797.29	3761979.72	3.66E-09	1.25E-08	1.61E-08	5.68E-10	2.04E-09	2.61E-09	3.06E-10	9.45E-10	1.25E-09
3359	437805.91	3761983.29	3.7E-09	1.26E-08	1.63E-08	5.74E-10	2.06E-09	2.63E-09	3.09E-10	9.55E-10	1.26E-09
3360	437814.52	3761986.87	3.73E-09	1.27E-08	1.65E-08	5.80E-10	2.08E-09	2.66E-09	3.12E-10	9.65E-10	1.28E-09
3361	437823.14	3761990.44	3.77E-09	1.29E-08	1.66E-08	5.86E-10	2.10E-09	2.69E-09	3.15E-10	9.74E-10	1.29E-09
3362	437831.75	3761994.01	3.8E-09	1.30E-08	1.68E-08	5.91E-10	2.12E-09	2.71E-09	3.18E-10	9.82E-10	1.30E-09
3363	437840.37	3761997.58	3.83E-09	1.31E-08	1.69E-08	5.96E-10	2.14E-09	2.73E-09	3.21E-10	9.91E-10	1.31E-09
3364	438090.21	3762101.16	4.49E-09	1.53E-08	1.98E-08	6.98E-10	2.50E-09	3.20E-09	3.76E-10	1.16E-09	1.54E-09
3365	438098.82	3762104.73	4.5E-09	1.54E-08	1.99E-08	7.00E-10	2.51E-09	3.21E-09	3.77E-10	1.16E-09	1.54E-09
3366	438107.44	3762108.3	4.51E-09	1.54E-08	1.99E-08	7.01E-10	2.51E-09	3.21E-09	3.78E-10	1.17E-09	1.54E-09
3367	438116.05	3762111.87	4.52E-09	1.54E-08	1.99E-08	7.02E-10	2.52E-09	3.22E-09	3.78E-10	1.17E-09	1.55E-09
3368	438124.67	3762115.44	4.53E-09	1.54E-08	2.00E-08	7.04E-10	2.52E-09	3.23E-09	3.79E-10	1.17E-09	1.55E-09
3369	438133.29	3762119.01	4.54E-09	1.55E-08	2.00E-08	7.05E-10	2.53E-09	3.23E-09	3.80E-10	1.17E-09	1.55E-09
3370	438141.9	3762122.59	4.54E-09	1.55E-08	2.00E-08	7.06E-10	2.53E-09	3.24E-09	3.80E-10	1.17E-09	1.55E-09
3371	438154.08	3762134.78	4.62E-09	1.57E-08	2.04E-08	7.17E-10	2.57E-09	3.29E-09	3.86E-10	1.19E-09	1.58E-09
3372	438157.64	3762143.4	4.69E-09	1.60E-08	2.07E-08	7.28E-10	2.61E-09	3.34E-09	3.92E-10	1.21E-09	1.60E-09
3373	438161.19	3762152.02	4.75E-09	1.62E-08	2.10E-08	7.39E-10	2.65E-09	3.39E-09	3.98E-10	1.23E-09	1.63E-09
3374	438164.75	3762160.64	4.82E-09	1.64E-08	2.13E-08	7.49E-10	2.69E-09	3.44E-09	4.04E-10	1.25E-09	1.65E-09
3375	438168.31	3762169.26	4.89E-09	1.67E-08	2.16E-08	7.60E-10	2.73E-09	3.49E-09	4.10E-10	1.26E-09	1.67E-09
3376	438171.87	3762177.88	4.96E-09	1.69E-08	2.19E-08	7.71E-10	2.77E-09	3.54E-09	4.16E-10	1.28E-09	1.70E-09
3377	438175.43	3762186.5	5.04E-09	1.72E-08	2.22E-08	7.83E-10	2.81E-09	3.59E-09	4.22E-10	1.30E-09	1.72E-09
3378	438178.99	3762195.12	5.11E-09	1.74E-08	2.25E-08	7.94E-10	2.85E-09	3.64E-09	4.28E-10	1.32E-09	1.75E-09
3379	438182.55	3762203.74	5.19E-09	1.77E-08	2.29E-08	8.06E-10	2.89E-09	3.69E-09	4.34E-10	1.34E-09	1.77E-09
3380	438186.11	3762212.36	5.26E-09	1.79E-08	2.32E-08	8.17E-10	2.93E-09	3.75E-09	4.40E-10	1.36E-09	1.80E-09
3381	438189.67	3762220.98	5.34E-09	1.82E-08	2.35E-08	8.29E-10	2.97E-09	3.80E-09	4.47E-10	1.38E-09	1.83E-09
3382	438193.23	3762229.6	5.42E-09	1.85E-08	2.39E-08	8.42E-10	3.02E-09	3.86E-09	4.53E-10	1.40E-09	1.85E-09
3383	438196.79	3762238.22	5.49E-09	1.87E-08	2.42E-08	8.54E-10	3.06E-09	3.91E-09	4.60E-10	1.42E-09	1.88E-09
3384	438200.35	3762246.84	5.58E-09	1.90E-08	2.46E-08	8.66E-10	3.11E-09	3.97E-09	4.67E-10	1.44E-09	1.91E-09
3385	438203.91	3762255.46	5.66E-09	1.93E-08	2.49E-08	8.79E-10	3.15E-09	4.03E-09	4.74E-10	1.46E-09	1.94E-09
3386	438207.47	3762264.08	5.74E-09	1.96E-08	2.53E-08	8.92E-10	3.20E-09	4.09E-09	4.81E-10	1.48E-09	1.96E-09
3387	438211.03	3762272.7	5.83E-09	1.99E-08	2.57E-08	9.05E-10	3.25E-09	4.15E-09	4.88E-10	1.51E-09	1.99E-09
3388	438214.59	3762281.32	5.91E-09	2.02E-08	2.61E-08	9.19E-10	3.29E-09	4.21E-09	4.95E-10	1.53E-09	2.02E-09
3389	438218.15	3762289.94	6E-09	2.05E-08	2.65E-08	9.32E-10	3.34E-09	4.28E-09	5.02E-10	1.55E-09	2.05E-09
3390	438221.71	3762298.56	6.09E-09	2.08E-08	2.69E-08	9.47E-10	3.39E-09	4.34E-09	5.10E-10	1.57E-09	2.08E-09
3391	438225.27	3762307.18	6.18E-09	2.11E-08	2.73E-08	9.61E-10	3.45E-09	4.41E-09	5.18E-10	1.60E-09	2.12E-09
3392	438228.83	3762315.8	6.28E-09	2.14E-08	2.77E-08	9.76E-10	3.50E-09	4.47E-09	5.26E-10	1.62E-09	2.15E-09
3393	438232.39	3762324.42	6.38E-09	2.18E-08	2.81E-08	9.91E-10	3.55E-09	4.54E-09	5.34E-10	1.65E-09	2.18E-09
3394	438235.95	3762333.04	6.48E-09	2.21E-08	2.86E-08	1.01E-09	3.61E-09	4.62E-09	5.42E-10	1.67E-09	2.22E-09
3395	438239.51	3762341.66	6.58E-09	2.25E-08	2.90E-08	1.02E-09	3.67E-09	4.69E-09	5.51E-10	1.70E-09	2.25E-09
3396	438243.07	3762350.28	6.69E-09	2.28E-08	2.95E-08	1.04E-09	3.73E-09	4.77E-09	5.60E-10	1.73E-09	2.29E-09
3397	438246.63	3762358.9	6.8E-09	2.32E-08	3.00E-08	1.06E-09	3.79E-09	4.84E-09	5.69E-10	1.76E-09	2.33E-09
3398	438250.19	3762367.52	6.91E-09	2.36E-08	3.05E-08	1.07E-09	3.85E-09	4.92E-09	5.79E-10	1.79E-09	2.36E-09
3399	438253.75	3762376.14	7.03E-09	2.40E-08	3.10E-08	1.09E-09	3.92E-09	5.01E-09	5.88E-10	1.82E-09	2.40E-09
3400	438257.31	3762384.76	7.15E-09	2.44E-08	3.15E-08	1.11E-09	3.98E-09	5.09E-09	5.99E-10	1.85E-09	2.45E-09
3401	438260.87	3762393.38	7.28E-09	2.48E-08	3.21E-08	1.13E-09	4.05E-09	5.18E-09	6.09E-10	1.88E-09	2.49E-09
3402	438264.43	3762402	7.4E-09	2.52E-08	3.27E-08	1.15E-09	4.12E-09	5.27E-09	6.20E-10	1.91E-09	2.53E-09
3403	438267.99	3762410.62	7.54E-09	2.57E-08	3.32E-08	1.17E-09	4.20E-09	5.37E-09	6.31E-10	1.95E-09	2.58E-09
3404	438271.55	3762419.24	7.67E-09	2.62E-08	3.38E-08	1.19E-09	4.27E-09	5.47E-09	6.42E-10	1.98E-09	2.62E-09
3405	438275.11	3762427.86	7.81E-09	2.66E-08	3.44E-08	1.21E-09	4.35E-09	5.57E-09	6.54E-10	2.02E-09	2.67E-09
3406	438278.67	3762436.48	7.95E-09	2.71E-08	3.51E-08	1.24E-09	4.43E-09	5.67E-09	6.66E-10	2.06E-09	2.72E-09
3407	438282.23	3762445.1	8.1E-09	2.76E-08	3.57E-08	1.26E-09	4.51E-09	5.77E-09	6.78E-10	2.09E-09	2.77E-09
3408	438285.79	3762453.72	8.25E-09	2.81E-08	3.64E-08	1.28E-09	4.60E-09	5.88E-09	6.91E-10	2.13E-09	2.82E-09
3409	438289.35	3762462.34	8.4E-09	2.87E-08	3.71E-08	1.31E-09	4.68E-09	5.99E-09	7.03E-10	2.17E-09	2.87E-09
3410	438292.91	3762470.96	8.56E-09	2.92E-08	3.77E-08	1.33E-09	4.77E-09	6.10E-09	7.16E-10	2.21E-09	2.93E-09
3411	438296.47	3762479.58	8.72E-09	2.97E-08	3.84E-08	1.35E-09	4.86E-09	6.21E-09	7.30E-10	2.25E-09	2.98E-09
3412	438300.03	3762488.2	8.88E-09	3.03E-08	3.92E-08	1.38E-09	4.95E-09	6.33E-09	7.43E-10	2.29E-09	3.04E-09

3413	438303.59	3762496.82	9.05E-09	3.08E-08	3.99E-08	1.41E-09	5.04E-09	6.44E-09	7.57E-10	2.34E-09	3.09E-09
3414	438317.82	3762531.3	9.73E-09	3.32E-08	4.29E-08	1.51E-09	5.42E-09	6.93E-09	8.14E-10	2.51E-09	3.33E-09
3415	438321.38	3762539.92	9.9E-09	3.38E-08	4.37E-08	1.54E-09	5.52E-09	7.06E-09	8.29E-10	2.56E-09	3.39E-09
3416	438324.94	3762548.54	1.01E-08	3.44E-08	4.45E-08	1.57E-09	5.62E-09	7.18E-09	8.44E-10	2.60E-09	3.45E-09
3417	438328.5	3762557.16	1.03E-08	3.50E-08	4.52E-08	1.59E-09	5.71E-09	7.31E-09	8.59E-10	2.65E-09	3.51E-09
3418	438332.06	3762565.78	1.04E-08	3.56E-08	4.60E-08	1.62E-09	5.81E-09	7.44E-09	8.74E-10	2.70E-09	3.57E-09
3419	438335.62	3762574.4	1.06E-08	3.62E-08	4.68E-08	1.65E-09	5.91E-09	7.56E-09	8.88E-10	2.74E-09	3.63E-09
3420	438339.18	3762583.02	1.08E-08	3.68E-08	4.76E-08	1.68E-09	6.01E-09	7.69E-09	9.03E-10	2.79E-09	3.69E-09
3421	438342.74	3762591.64	1.1E-08	3.74E-08	4.84E-08	1.70E-09	6.11E-09	7.82E-09	9.18E-10	2.83E-09	3.75E-09
3422	438389.02	3762703.7	1.31E-08	4.48E-08	5.79E-08	2.04E-09	7.31E-09	9.35E-09	1.10E-09	3.39E-09	4.49E-09
3423	438392.58	3762712.32	1.33E-08	4.53E-08	5.85E-08	2.06E-09	7.39E-09	9.46E-09	1.11E-09	3.43E-09	4.54E-09
3424	437668.5	3761886.33	2.79E-09	9.52E-09	1.23E-08	4.34E-10	1.56E-09	1.99E-09	2.34E-10	7.22E-10	9.55E-10
3425	437677.15	3761889.92	2.83E-09	9.64E-09	1.25E-08	4.39E-10	1.58E-09	2.02E-09	2.37E-10	7.31E-10	9.68E-10
3426	437685.8	3761893.51	2.86E-09	9.76E-09	1.26E-08	4.45E-10	1.60E-09	2.04E-09	2.40E-10	7.40E-10	9.80E-10
3427	437694.45	3761897.09	2.9E-09	9.89E-09	1.28E-08	4.51E-10	1.62E-09	2.07E-09	2.43E-10	7.49E-10	9.92E-10
3428	437703.1	3761900.68	2.93E-09	1.00E-08	1.29E-08	4.56E-10	1.63E-09	2.09E-09	2.46E-10	7.58E-10	1.00E-09
3429	437711.75	3761904.26	2.97E-09	1.01E-08	1.31E-08	4.62E-10	1.65E-09	2.12E-09	2.49E-10	7.68E-10	1.02E-09
3430	437720.4	3761907.85	3.01E-09	1.03E-08	1.33E-08	4.67E-10	1.67E-09	2.14E-09	2.52E-10	7.77E-10	1.03E-09
3431	437729.05	3761911.43	3.04E-09	1.04E-08	1.34E-08	4.73E-10	1.69E-09	2.17E-09	2.55E-10	7.86E-10	1.04E-09
3432	437737.7	3761915.02	3.08E-09	1.05E-08	1.36E-08	4.79E-10	1.72E-09	2.19E-09	2.58E-10	7.96E-10	1.05E-09
3433	437746.35	3761918.61	3.12E-09	1.06E-08	1.37E-08	4.84E-10	1.74E-09	2.22E-09	2.61E-10	8.06E-10	1.07E-09
3434	437755	3761922.19	3.16E-09	1.08E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.16E-10	1.08E-09
3435	437763.65	3761925.78	3.2E-09	1.09E-08	1.41E-08	4.96E-10	1.78E-09	2.28E-09	2.67E-10	8.26E-10	1.09E-09
3436	437772.3	3761929.36	3.24E-09	1.10E-08	1.43E-08	5.03E-10	1.80E-09	2.30E-09	2.71E-10	8.36E-10	1.11E-09
3437	437780.95	3761932.95	3.27E-09	1.12E-08	1.44E-08	5.09E-10	1.82E-09	2.33E-09	2.74E-10	8.46E-10	1.12E-09
3438	437789.6	3761936.53	3.31E-09	1.13E-08	1.46E-08	5.15E-10	1.85E-09	2.36E-09	2.77E-10	8.56E-10	1.13E-09
3439	437798.25	3761940.12	3.35E-09	1.14E-08	1.48E-08	5.21E-10	1.87E-09	2.39E-09	2.80E-10	8.66E-10	1.15E-09
3440	437806.89	3761943.71	3.39E-09	1.15E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.83E-10	8.75E-10	1.16E-09
3441	437815.54	3761947.29	3.42E-09	1.17E-08	1.51E-08	5.32E-10	1.91E-09	2.44E-09	2.86E-10	8.84E-10	1.17E-09
3442	437824.19	3761950.88	3.46E-09	1.18E-08	1.52E-08	5.37E-10	1.92E-09	2.46E-09	2.89E-10	8.93E-10	1.18E-09
3443	437832.84	3761954.46	3.49E-09	1.19E-08	1.54E-08	5.42E-10	1.94E-09	2.48E-09	2.92E-10	9.01E-10	1.19E-09
3444	437841.49	3761958.05	3.52E-09	1.20E-08	1.55E-08	5.47E-10	1.96E-09	2.51E-09	2.94E-10	9.09E-10	1.20E-09
3445	437850.14	3761961.63	3.55E-09	1.21E-08	1.56E-08	5.51E-10	1.98E-09	2.53E-09	2.97E-10	9.17E-10	1.21E-09
3446	437858.79	3761965.22	3.58E-09	1.22E-08	1.58E-08	5.56E-10	1.99E-09	2.55E-09	2.99E-10	9.24E-10	1.22E-09
3447	437867.44	3761968.81	3.61E-09	1.23E-08	1.59E-08	5.60E-10	2.01E-09	2.57E-09	3.02E-10	9.32E-10	1.23E-09
3448	437876.09	3761972.39	3.63E-09	1.24E-08	1.60E-08	5.64E-10	2.02E-09	2.59E-09	3.04E-10	9.39E-10	1.24E-09
3449	437884.74	3761975.98	3.66E-09	1.25E-08	1.61E-08	5.69E-10	2.04E-09	2.61E-09	3.06E-10	9.46E-10	1.25E-09
3450	437893.39	3761979.56	3.69E-09	1.26E-08	1.63E-08	5.73E-10	2.05E-09	2.63E-09	3.09E-10	9.53E-10	1.26E-09
3451	437902.04	3761983.15	3.71E-09	1.27E-08	1.64E-08	5.77E-10	2.07E-09	2.65E-09	3.11E-10	9.59E-10	1.27E-09
3452	437910.69	3761986.73	3.74E-09	1.28E-08	1.65E-08	5.81E-10	2.08E-09	2.66E-09	3.13E-10	9.66E-10	1.28E-09
3453	437919.34	3761990.32	3.76E-09	1.28E-08	1.66E-08	5.85E-10	2.10E-09	2.68E-09	3.15E-10	9.73E-10	1.29E-09
3454	437927.99	3761993.91	3.79E-09	1.29E-08	1.67E-08	5.89E-10	2.11E-09	2.70E-09	3.17E-10	9.79E-10	1.30E-09
3455	437936.64	3761997.49	3.82E-09	1.30E-08	1.68E-08	5.93E-10	2.13E-09	2.72E-09	3.19E-10	9.86E-10	1.31E-09
3456	438182.39	3762106.55	4.28E-09	1.46E-08	1.89E-08	6.66E-10	2.39E-09	3.05E-09	3.59E-10	1.11E-09	1.47E-09
3457	438185.97	3762115.2	4.34E-09	1.48E-08	1.92E-08	6.75E-10	2.42E-09	3.10E-09	3.64E-10	1.12E-09	1.49E-09
3458	438189.54	3762123.85	4.41E-09	1.50E-08	1.94E-08	6.85E-10	2.45E-09	3.14E-09	3.69E-10	1.14E-09	1.51E-09
3459	438193.11	3762132.51	4.47E-09	1.52E-08	1.97E-08	6.94E-10	2.49E-09	3.18E-09	3.74E-10	1.15E-09	1.53E-09
3460	438196.69	3762141.16	4.53E-09	1.54E-08	2.00E-08	7.03E-10	2.52E-09	3.23E-09	3.79E-10	1.17E-09	1.55E-09
3461	438200.26	3762149.82	4.59E-09	1.57E-08	2.02E-08	7.13E-10	2.56E-09	3.27E-09	3.84E-10	1.19E-09	1.57E-09
3462	438203.84	3762158.47	4.65E-09	1.59E-08	2.05E-08	7.23E-10	2.59E-09	3.31E-09	3.89E-10	1.20E-09	1.59E-09
3463	438207.41	3762167.13	4.71E-09	1.61E-08	2.08E-08	7.33E-10	2.63E-09	3.36E-09	3.95E-10	1.22E-09	1.61E-09
3464	438210.98	3762175.78	4.78E-09	1.63E-08	2.11E-08	7.43E-10	2.66E-09	3.40E-09	4.00E-10	1.23E-09	1.63E-09
3465	438214.56	3762184.43	4.84E-09	1.65E-08	2.14E-08	7.53E-10	2.70E-09	3.45E-09	4.05E-10	1.25E-09	1.66E-09
3466	438218.13	3762193.09	4.91E-09	1.67E-08	2.17E-08	7.63E-10	2.74E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
3467	438221.71	3762201.74	4.98E-09	1.70E-08	2.20E-08	7.74E-10	2.77E-09	3.55E-09	4.17E-10	1.29E-09	1.70E-09
3468	438225.28	3762210.4	5.05E-09	1.72E-08	2.23E-08	7.84E-10	2.81E-09	3.60E-09	4.22E-10	1.30E-09	1.73E-09
3469	438228.85	3762219.05	5.12E-09	1.74E-08	2.26E-08	7.95E-10	2.85E-09	3.65E-09	4.28E-10	1.32E-09	1.75E-09
3470	438232.43	3762227.71	5.19E-09	1.77E-08	2.29E-08	8.06E-10	2.89E-09	3.70E-09	4.34E-10	1.34E-09	1.77E-09
3471	438236	3762236.36	5.26E-09	1.79E-08	2.32E-08	8.17E-10	2.93E-09	3.75E-09	4.40E-10	1.36E-09	1.80E-09
3472	438239.58	3762245.01	5.33E-09	1.82E-08	2.35E-08	8.29E-10	2.97E-09	3.80E-09	4.46E-10	1.38E-09	1.82E-09
3473	438243.15	3762253.67	5.41E-09	1.84E-08	2.38E-08	8.40E-10	3.01E-09	3.85E-09	4.53E-10	1.40E-09	1.85E-09

3474	438246.72	3762262.32	5.48E-09	1.87E-08	2.42E-08	8.52E-10	3.05E-09	3.91E-09	4.59E-10	1.42E-09	1.88E-09
3475	438250.3	3762270.98	5.56E-09	1.90E-08	2.45E-08	8.64E-10	3.10E-09	3.96E-09	4.65E-10	1.44E-09	1.90E-09
3476	438253.87	3762279.63	5.64E-09	1.92E-08	2.49E-08	8.76E-10	3.14E-09	4.02E-09	4.72E-10	1.46E-09	1.93E-09
3477	438257.44	3762288.29	5.72E-09	1.95E-08	2.52E-08	8.89E-10	3.19E-09	4.08E-09	4.79E-10	1.48E-09	1.96E-09
3478	438261.02	3762296.94	5.8E-09	1.98E-08	2.56E-08	9.02E-10	3.23E-09	4.13E-09	4.86E-10	1.50E-09	1.99E-09
3479	438264.59	3762305.59	5.89E-09	2.01E-08	2.60E-08	9.15E-10	3.28E-09	4.20E-09	4.93E-10	1.52E-09	2.01E-09
3480	438268.17	3762314.25	5.98E-09	2.04E-08	2.64E-08	9.29E-10	3.33E-09	4.26E-09	5.00E-10	1.54E-09	2.04E-09
3481	438271.74	3762322.9	6.07E-09	2.07E-08	2.68E-08	9.43E-10	3.38E-09	4.32E-09	5.08E-10	1.57E-09	2.08E-09
3482	438275.31	3762331.56	6.16E-09	2.10E-08	2.72E-08	9.57E-10	3.43E-09	4.39E-09	5.16E-10	1.59E-09	2.11E-09
3483	438278.89	3762340.21	6.26E-09	2.13E-08	2.76E-08	9.72E-10	3.49E-09	4.46E-09	5.24E-10	1.62E-09	2.14E-09
3484	438282.46	3762348.87	6.36E-09	2.17E-08	2.80E-08	9.88E-10	3.54E-09	4.53E-09	5.32E-10	1.64E-09	2.17E-09
3485	438286.04	3762357.52	6.46E-09	2.20E-08	2.85E-08	1.00E-09	3.60E-09	4.60E-09	5.40E-10	1.67E-09	2.21E-09
3486	438300.33	3762392.14	6.9E-09	2.35E-08	3.04E-08	1.07E-09	3.84E-09	4.91E-09	5.77E-10	1.78E-09	2.36E-09
3487	438303.91	3762400.79	7.01E-09	2.39E-08	3.09E-08	1.09E-09	3.91E-09	5.00E-09	5.87E-10	1.81E-09	2.40E-09
3488	438307.48	3762409.45	7.14E-09	2.43E-08	3.15E-08	1.11E-09	3.98E-09	5.08E-09	5.97E-10	1.84E-09	2.44E-09
3489	438311.05	3762418.1	7.26E-09	2.48E-08	3.20E-08	1.13E-09	4.04E-09	5.17E-09	6.08E-10	1.88E-09	2.48E-09
3490	438314.63	3762426.76	7.39E-09	2.52E-08	3.26E-08	1.15E-09	4.11E-09	5.26E-09	6.18E-10	1.91E-09	2.53E-09
3491	438325.35	3762452.72	7.79E-09	2.65E-08	3.43E-08	1.21E-09	4.34E-09	5.55E-09	6.52E-10	2.01E-09	2.66E-09
3492	438328.92	3762461.37	7.93E-09	2.70E-08	3.49E-08	1.23E-09	4.41E-09	5.65E-09	6.63E-10	2.05E-09	2.71E-09
3493	438332.5	3762470.03	8.07E-09	2.75E-08	3.56E-08	1.25E-09	4.49E-09	5.75E-09	6.75E-10	2.08E-09	2.76E-09
3494	438336.07	3762478.68	8.21E-09	2.80E-08	3.62E-08	1.28E-09	4.57E-09	5.85E-09	6.87E-10	2.12E-09	2.81E-09
3495	438339.64	3762487.34	8.36E-09	2.85E-08	3.68E-08	1.30E-09	4.65E-09	5.95E-09	6.99E-10	2.16E-09	2.86E-09
3496	438343.22	3762495.99	8.5E-09	2.90E-08	3.75E-08	1.32E-09	4.74E-09	6.06E-09	7.12E-10	2.20E-09	2.91E-09
3497	438346.79	3762504.64	8.65E-09	2.95E-08	3.82E-08	1.34E-09	4.82E-09	6.16E-09	7.24E-10	2.24E-09	2.96E-09
3498	438389.68	3762608.5	1.05E-08	3.59E-08	4.64E-08	1.64E-09	5.86E-09	7.50E-09	8.81E-10	2.72E-09	3.60E-09
3499	438393.25	3762617.15	1.07E-08	3.64E-08	4.71E-08	1.66E-09	5.95E-09	7.61E-09	8.94E-10	2.76E-09	3.65E-09
3500	438396.83	3762625.8	1.08E-08	3.69E-08	4.78E-08	1.68E-09	6.03E-09	7.72E-09	9.07E-10	2.80E-09	3.71E-09
3501	438400.4	3762634.46	1.1E-08	3.75E-08	4.84E-08	1.71E-09	6.12E-09	7.83E-09	9.20E-10	2.84E-09	3.76E-09
3502	438403.97	3762643.11	1.11E-08	3.80E-08	4.91E-08	1.73E-09	6.20E-09	7.93E-09	9.32E-10	2.88E-09	3.81E-09
3503	438407.55	3762651.77	1.13E-08	3.85E-08	4.98E-08	1.75E-09	6.28E-09	8.04E-09	9.44E-10	2.92E-09	3.86E-09
3504	438411.12	3762660.42	1.14E-08	3.90E-08	5.04E-08	1.78E-09	6.37E-09	8.14E-09	9.56E-10	2.95E-09	3.91E-09
3505	438414.7	3762669.08	1.16E-08	3.94E-08	5.10E-08	1.80E-09	6.44E-09	8.24E-09	9.68E-10	2.99E-09	3.96E-09
3506	438418.27	3762677.73	1.17E-08	3.99E-08	5.16E-08	1.82E-09	6.52E-09	8.34E-09	9.80E-10	3.02E-09	4.00E-09
3507	438421.84	3762686.38	1.18E-08	4.04E-08	5.22E-08	1.84E-09	6.59E-09	8.43E-09	9.91E-10	3.06E-09	4.05E-09
3508	438425.42	3762695.04	1.2E-08	4.08E-08	5.28E-08	1.86E-09	6.67E-09	8.53E-09	1.00E-09	3.09E-09	4.10E-09
3509	438428.99	3762703.69	1.21E-08	4.13E-08	5.34E-08	1.88E-09	6.74E-09	8.62E-09	1.01E-09	3.13E-09	4.14E-09
3510	438432.57	3762712.35	1.22E-08	4.17E-08	5.39E-08	1.90E-09	6.81E-09	8.71E-09	1.02E-09	3.16E-09	4.18E-09
3511	437693.12	3761856.54	2.67E-09	9.09E-09	1.18E-08	4.14E-10	1.48E-09	1.90E-09	2.23E-10	6.89E-10	9.12E-10
3512	437701.69	3761860.09	2.7E-09	9.20E-09	1.19E-08	4.19E-10	1.50E-09	1.92E-09	2.26E-10	6.97E-10	9.23E-10
3513	437710.26	3761863.65	2.73E-09	9.31E-09	1.20E-08	4.24E-10	1.52E-09	1.95E-09	2.29E-10	7.06E-10	9.34E-10
3514	437718.82	3761867.2	2.76E-09	9.42E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.14E-10	9.45E-10
3515	437727.39	3761870.75	2.8E-09	9.53E-09	1.23E-08	4.34E-10	1.56E-09	1.99E-09	2.34E-10	7.22E-10	9.56E-10
3516	437735.96	3761874.3	2.83E-09	9.65E-09	1.25E-08	4.40E-10	1.58E-09	2.02E-09	2.37E-10	7.31E-10	9.68E-10
3517	437744.52	3761877.85	2.86E-09	9.76E-09	1.26E-08	4.45E-10	1.60E-09	2.04E-09	2.40E-10	7.40E-10	9.80E-10
3518	437753.09	3761881.4	2.9E-09	9.88E-09	1.28E-08	4.50E-10	1.61E-09	2.06E-09	2.43E-10	7.49E-10	9.91E-10
3519	437761.66	3761884.95	2.93E-09	9.99E-09	1.29E-08	4.55E-10	1.63E-09	2.09E-09	2.45E-10	7.57E-10	1.00E-09
3520	437770.22	3761888.51	2.97E-09	1.01E-08	1.31E-08	4.61E-10	1.65E-09	2.11E-09	2.48E-10	7.67E-10	1.01E-09
3521	437778.79	3761892.06	3E-09	1.02E-08	1.32E-08	4.66E-10	1.67E-09	2.14E-09	2.51E-10	7.76E-10	1.03E-09
3522	437787.36	3761895.61	3.04E-09	1.04E-08	1.34E-08	4.72E-10	1.69E-09	2.16E-09	2.54E-10	7.85E-10	1.04E-09
3523	437795.92	3761899.16	3.07E-09	1.05E-08	1.35E-08	4.77E-10	1.71E-09	2.19E-09	2.57E-10	7.94E-10	1.05E-09
3524	437804.49	3761902.71	3.11E-09	1.06E-08	1.37E-08	4.83E-10	1.73E-09	2.21E-09	2.60E-10	8.02E-10	1.06E-09
3525	437813.06	3761906.26	3.14E-09	1.07E-08	1.38E-08	4.88E-10	1.75E-09	2.24E-09	2.63E-10	8.11E-10	1.07E-09
3526	437821.62	3761909.81	3.17E-09	1.08E-08	1.40E-08	4.92E-10	1.77E-09	2.26E-09	2.65E-10	8.19E-10	1.08E-09
3527	437830.19	3761913.36	3.2E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.26E-10	1.09E-09
3528	437838.76	3761916.92	3.23E-09	1.10E-08	1.42E-08	5.01E-10	1.80E-09	2.30E-09	2.70E-10	8.34E-10	1.10E-09
3529	437847.32	3761920.47	3.25E-09	1.11E-08	1.44E-08	5.06E-10	1.81E-09	2.32E-09	2.72E-10	8.41E-10	1.11E-09
3530	437855.89	3761924.02	3.28E-09	1.12E-08	1.45E-08	5.10E-10	1.83E-09	2.34E-09	2.75E-10	8.48E-10	1.12E-09
3531	437864.46	3761927.57	3.31E-09	1.13E-08	1.46E-08	5.14E-10	1.84E-09	2.36E-09	2.77E-10	8.55E-10	1.13E-09
3532	437873.02	3761931.12	3.34E-09	1.14E-08	1.47E-08	5.18E-10	1.86E-09	2.38E-09	2.79E-10	8.62E-10	1.14E-09
3533	437881.59	3761934.67	3.36E-09	1.15E-08	1.48E-08	5.22E-10	1.87E-09	2.39E-09	2.81E-10	8.68E-10	1.15E-09
3534	437890.16	3761938.22	3.39E-09	1.15E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.83E-10	8.75E-10	1.16E-09

3535	437898.72	3761941.78	3.41E-09	1.16E-08	1.50E-08	5.30E-10	1.90E-09	2.43E-09	2.85E-10	8.81E-10	1.17E-09
3536	437907.29	3761945.33	3.43E-09	1.17E-08	1.51E-08	5.34E-10	1.91E-09	2.45E-09	2.88E-10	8.87E-10	1.17E-09
3537	437915.86	3761948.88	3.46E-09	1.18E-08	1.52E-08	5.37E-10	1.93E-09	2.46E-09	2.89E-10	8.93E-10	1.18E-09
3538	437924.42	3761952.43	3.48E-09	1.19E-08	1.53E-08	5.41E-10	1.94E-09	2.48E-09	2.91E-10	8.99E-10	1.19E-09
3539	437932.99	3761955.98	3.5E-09	1.19E-08	1.54E-08	5.44E-10	1.95E-09	2.49E-09	2.93E-10	9.05E-10	1.20E-09
3540	437941.56	3761959.53	3.52E-09	1.20E-08	1.55E-08	5.47E-10	1.96E-09	2.51E-09	2.95E-10	9.10E-10	1.20E-09
3541	437950.12	3761963.08	3.54E-09	1.21E-08	1.56E-08	5.51E-10	1.97E-09	2.52E-09	2.97E-10	9.16E-10	1.21E-09
3542	437958.69	3761966.64	3.56E-09	1.22E-08	1.57E-08	5.54E-10	1.99E-09	2.54E-09	2.98E-10	9.21E-10	1.22E-09
3543	437967.26	3761970.19	3.59E-09	1.22E-08	1.58E-08	5.57E-10	2.00E-09	2.55E-09	3.00E-10	9.26E-10	1.23E-09
3544	437975.82	3761973.74	3.61E-09	1.23E-08	1.59E-08	5.60E-10	2.01E-09	2.57E-09	3.02E-10	9.32E-10	1.23E-09
3545	438070.06	3762012.8	3.8E-09	1.29E-08	1.67E-08	5.90E-10	2.12E-09	2.71E-09	3.18E-10	9.81E-10	1.30E-09
3546	438078.62	3762016.36	3.81E-09	1.30E-08	1.68E-08	5.92E-10	2.12E-09	2.71E-09	3.19E-10	9.85E-10	1.30E-09
3547	438087.19	3762019.91	3.82E-09	1.30E-08	1.69E-08	5.94E-10	2.13E-09	2.72E-09	3.20E-10	9.88E-10	1.31E-09
3548	438095.76	3762023.46	3.84E-09	1.31E-08	1.69E-08	5.96E-10	2.14E-09	2.73E-09	3.21E-10	9.91E-10	1.31E-09
3549	438104.32	3762027.01	3.85E-09	1.31E-08	1.70E-08	5.98E-10	2.14E-09	2.74E-09	3.22E-10	9.94E-10	1.32E-09
3550	438112.89	3762030.56	3.86E-09	1.32E-08	1.70E-08	6.00E-10	2.15E-09	2.75E-09	3.23E-10	9.97E-10	1.32E-09
3551	438121.46	3762034.11	3.87E-09	1.32E-08	1.71E-08	6.01E-10	2.16E-09	2.76E-09	3.24E-10	1.00E-09	1.32E-09
3552	438130.02	3762037.66	3.88E-09	1.32E-08	1.71E-08	6.03E-10	2.16E-09	2.76E-09	3.25E-10	1.00E-09	1.33E-09
3553	438138.59	3762041.22	3.89E-09	1.33E-08	1.71E-08	6.04E-10	2.17E-09	2.77E-09	3.25E-10	1.00E-09	1.33E-09
3554	438147.16	3762044.77	3.9E-09	1.33E-08	1.72E-08	6.06E-10	2.17E-09	2.78E-09	3.26E-10	1.01E-09	1.33E-09
3555	438221.28	3762103.91	4.15E-09	1.41E-08	1.83E-08	6.44E-10	2.31E-09	2.95E-09	3.47E-10	1.07E-09	1.42E-09
3556	438224.82	3762112.48	4.2E-09	1.43E-08	1.85E-08	6.53E-10	2.34E-09	2.99E-09	3.52E-10	1.09E-09	1.44E-09
3557	438228.36	3762121.06	4.26E-09	1.45E-08	1.88E-08	6.61E-10	2.37E-09	3.03E-09	3.56E-10	1.10E-09	1.46E-09
3558	438231.9	3762129.63	4.31E-09	1.47E-08	1.90E-08	6.70E-10	2.40E-09	3.07E-09	3.61E-10	1.11E-09	1.47E-09
3559	438235.44	3762138.2	4.37E-09	1.49E-08	1.93E-08	6.78E-10	2.43E-09	3.11E-09	3.65E-10	1.13E-09	1.49E-09
3560	438238.98	3762146.77	4.42E-09	1.51E-08	1.95E-08	6.87E-10	2.46E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
3561	438242.52	3762155.34	4.48E-09	1.53E-08	1.97E-08	6.96E-10	2.49E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
3562	438246.06	3762163.91	4.53E-09	1.55E-08	2.00E-08	7.05E-10	2.53E-09	3.23E-09	3.80E-10	1.17E-09	1.55E-09
3563	438249.6	3762172.48	4.59E-09	1.57E-08	2.03E-08	7.14E-10	2.56E-09	3.27E-09	3.84E-10	1.19E-09	1.57E-09
3564	438253.14	3762181.06	4.65E-09	1.59E-08	2.05E-08	7.23E-10	2.59E-09	3.31E-09	3.89E-10	1.20E-09	1.59E-09
3565	438256.68	3762189.63	4.71E-09	1.61E-08	2.08E-08	7.32E-10	2.62E-09	3.36E-09	3.94E-10	1.22E-09	1.61E-09
3566	438260.22	3762198.2	4.77E-09	1.63E-08	2.10E-08	7.41E-10	2.66E-09	3.40E-09	3.99E-10	1.23E-09	1.63E-09
3567	438263.76	3762206.77	4.83E-09	1.65E-08	2.13E-08	7.51E-10	2.69E-09	3.44E-09	4.05E-10	1.25E-09	1.65E-09
3568	438267.3	3762215.34	4.9E-09	1.67E-08	2.16E-08	7.61E-10	2.73E-09	3.49E-09	4.10E-10	1.26E-09	1.67E-09
3569	438270.84	3762223.91	4.96E-09	1.69E-08	2.19E-08	7.71E-10	2.76E-09	3.53E-09	4.15E-10	1.28E-09	1.70E-09
3570	438274.38	3762232.49	5.02E-09	1.71E-08	2.22E-08	7.81E-10	2.80E-09	3.58E-09	4.21E-10	1.30E-09	1.72E-09
3571	438277.92	3762241.06	5.09E-09	1.74E-08	2.24E-08	7.91E-10	2.84E-09	3.63E-09	4.26E-10	1.32E-09	1.74E-09
3572	438281.46	3762249.63	5.16E-09	1.76E-08	2.27E-08	8.01E-10	2.87E-09	3.67E-09	4.32E-10	1.33E-09	1.76E-09
3573	438285	3762258.2	5.22E-09	1.78E-08	2.30E-08	8.12E-10	2.91E-09	3.72E-09	4.37E-10	1.35E-09	1.79E-09
3574	438288.54	3762266.77	5.29E-09	1.81E-08	2.33E-08	8.23E-10	2.95E-09	3.77E-09	4.43E-10	1.37E-09	1.81E-09
3575	438292.08	3762275.34	5.37E-09	1.83E-08	2.37E-08	8.34E-10	2.99E-09	3.82E-09	4.49E-10	1.39E-09	1.84E-09
3576	438295.62	3762283.91	5.44E-09	1.85E-08	2.40E-08	8.45E-10	3.03E-09	3.87E-09	4.55E-10	1.41E-09	1.86E-09
3577	438299.15	3762292.49	5.51E-09	1.88E-08	2.43E-08	8.57E-10	3.07E-09	3.93E-09	4.62E-10	1.42E-09	1.89E-09
3578	438302.69	3762301.06	5.59E-09	1.91E-08	2.47E-08	8.69E-10	3.11E-09	3.98E-09	4.68E-10	1.44E-09	1.91E-09
3579	438306.23	3762309.63	5.67E-09	1.93E-08	2.50E-08	8.81E-10	3.16E-09	4.04E-09	4.75E-10	1.47E-09	1.94E-09
3580	438309.77	3762318.2	5.75E-09	1.96E-08	2.54E-08	8.94E-10	3.20E-09	4.10E-09	4.81E-10	1.49E-09	1.97E-09
3581	438313.31	3762326.77	5.84E-09	1.99E-08	2.57E-08	9.07E-10	3.25E-09	4.16E-09	4.88E-10	1.51E-09	2.00E-09
3582	438316.85	3762335.34	5.92E-09	2.02E-08	2.61E-08	9.20E-10	3.30E-09	4.22E-09	4.96E-10	1.53E-09	2.03E-09
3583	438320.39	3762343.91	6.01E-09	2.05E-08	2.65E-08	9.34E-10	3.35E-09	4.28E-09	5.03E-10	1.55E-09	2.06E-09
3584	438323.93	3762352.49	6.1E-09	2.08E-08	2.69E-08	9.48E-10	3.40E-09	4.35E-09	5.11E-10	1.58E-09	2.09E-09
3585	438327.47	3762361.06	6.2E-09	2.11E-08	2.73E-08	9.63E-10	3.45E-09	4.41E-09	5.19E-10	1.60E-09	2.12E-09
3586	438341.63	3762395.34	6.6E-09	2.25E-08	2.91E-08	1.03E-09	3.68E-09	4.70E-09	5.53E-10	1.71E-09	2.26E-09
3587	438345.17	3762403.91	6.71E-09	2.29E-08	2.96E-08	1.04E-09	3.74E-09	4.78E-09	5.62E-10	1.73E-09	2.30E-09
3588	438348.71	3762412.49	6.82E-09	2.33E-08	3.01E-08	1.06E-09	3.80E-09	4.86E-09	5.71E-10	1.76E-09	2.33E-09
3589	438391.19	3762515.34	8.33E-09	2.84E-08	3.67E-08	1.29E-09	4.64E-09	5.93E-09	6.97E-10	2.15E-09	2.85E-09
3590	438394.73	3762523.92	8.46E-09	2.89E-08	3.73E-08	1.31E-09	4.71E-09	6.03E-09	7.08E-10	2.19E-09	2.89E-09
3591	438398.27	3762532.49	8.6E-09	2.93E-08	3.79E-08	1.34E-09	4.79E-09	6.13E-09	7.20E-10	2.22E-09	2.94E-09
3592	438401.81	3762541.06	8.74E-09	2.98E-08	3.85E-08	1.36E-09	4.87E-09	6.22E-09	7.31E-10	2.26E-09	2.99E-09
3593	438405.35	3762549.63	8.87E-09	3.03E-08	3.91E-08	1.38E-09	4.94E-09	6.32E-09	7.43E-10	2.29E-09	3.04E-09
3594	438408.88	3762558.2	9.01E-09	3.07E-08	3.97E-08	1.40E-09	5.02E-09	6.42E-09	7.54E-10	2.33E-09	3.08E-09
3595	438412.42	3762566.77	9.15E-09	3.12E-08	4.03E-08	1.42E-09	5.10E-09	6.52E-09	7.66E-10	2.36E-09	3.13E-09

3596	438415.96	3762575.34	9.28E-09	3.17E-08	4.09E-08	1.44E-09	5.17E-09	6.61E-09	7.77E-10	2.40E-09	3.18E-09
3597	438419.5	3762583.92	9.42E-09	3.21E-08	4.15E-08	1.46E-09	5.25E-09	6.71E-09	7.88E-10	2.43E-09	3.22E-09
3598	438423.04	3762592.49	9.55E-09	3.26E-08	4.21E-08	1.48E-09	5.32E-09	6.81E-09	8.00E-10	2.47E-09	3.27E-09
3599	438426.58	3762601.06	9.69E-09	3.30E-08	4.27E-08	1.51E-09	5.40E-09	6.90E-09	8.11E-10	2.50E-09	3.31E-09
3600	438430.12	3762609.63	9.83E-09	3.35E-08	4.33E-08	1.53E-09	5.47E-09	7.00E-09	8.22E-10	2.54E-09	3.36E-09
3601	438433.66	3762618.2	9.96E-09	3.40E-08	4.39E-08	1.55E-09	5.55E-09	7.10E-09	8.34E-10	2.57E-09	3.41E-09
3602	438437.2	3762626.77	1.01E-08	3.44E-08	4.45E-08	1.57E-09	5.62E-09	7.19E-09	8.45E-10	2.61E-09	3.45E-09
3603	438440.74	3762635.34	1.02E-08	3.49E-08	4.51E-08	1.59E-09	5.70E-09	7.29E-09	8.56E-10	2.64E-09	3.50E-09
3604	438444.28	3762643.92	1.04E-08	3.53E-08	4.57E-08	1.61E-09	5.77E-09	7.38E-09	8.67E-10	2.68E-09	3.54E-09
3605	438447.82	3762652.49	1.05E-08	3.58E-08	4.62E-08	1.63E-09	5.84E-09	7.47E-09	8.78E-10	2.71E-09	3.59E-09
3606	438451.36	3762661.06	1.06E-08	3.62E-08	4.68E-08	1.65E-09	5.91E-09	7.56E-09	8.88E-10	2.74E-09	3.63E-09
3607	438454.9	3762669.63	1.07E-08	3.66E-08	4.73E-08	1.67E-09	5.98E-09	7.65E-09	8.98E-10	2.77E-09	3.67E-09
3608	438458.44	3762678.2	1.09E-08	3.70E-08	4.79E-08	1.69E-09	6.05E-09	7.73E-09	9.09E-10	2.80E-09	3.71E-09
3609	438461.98	3762686.77	1.1E-08	3.74E-08	4.84E-08	1.70E-09	6.11E-09	7.82E-09	9.18E-10	2.84E-09	3.75E-09
3610	438465.52	3762695.35	1.11E-08	3.78E-08	4.89E-08	1.72E-09	6.18E-09	7.90E-09	9.28E-10	2.86E-09	3.79E-09
3611	438469.06	3762703.92	1.12E-08	3.82E-08	4.94E-08	1.74E-09	6.24E-09	7.98E-09	9.37E-10	2.89E-09	3.83E-09
3612	438472.6	3762712.49	1.13E-08	3.86E-08	4.99E-08	1.76E-09	6.30E-09	8.06E-09	9.47E-10	2.92E-09	3.87E-09
3613	437537.28	3761799.72	2.14E-09	7.29E-09	9.43E-09	3.32E-10	1.19E-09	1.52E-09	1.79E-10	5.52E-10	7.31E-10
3614	437527.89	3761799.72	2.12E-09	7.24E-09	9.37E-09	3.30E-10	1.18E-09	1.51E-09	1.78E-10	5.49E-10	7.27E-10
3615	437518.5	3761799.72	2.11E-09	7.20E-09	9.31E-09	3.28E-10	1.18E-09	1.50E-09	1.77E-10	5.45E-10	7.22E-10
3616	437509.1	3761799.72	2.1E-09	7.15E-09	9.25E-09	3.26E-10	1.17E-09	1.49E-09	1.76E-10	5.42E-10	7.17E-10
3617	437499.71	3761799.73	2.08E-09	7.10E-09	9.19E-09	3.24E-10	1.16E-09	1.48E-09	1.74E-10	5.38E-10	7.13E-10
3618	437490.32	3761799.73	2.07E-09	7.06E-09	9.13E-09	3.22E-10	1.15E-09	1.48E-09	1.73E-10	5.35E-10	7.08E-10
3619	437480.93	3761799.73	2.06E-09	7.02E-09	9.07E-09	3.20E-10	1.15E-09	1.47E-09	1.72E-10	5.32E-10	7.04E-10
3620	437471.54	3761799.73	2.05E-09	6.97E-09	9.02E-09	3.18E-10	1.14E-09	1.46E-09	1.71E-10	5.28E-10	7.00E-10
3621	437462.15	3761799.73	2.03E-09	6.93E-09	8.96E-09	3.16E-10	1.13E-09	1.45E-09	1.70E-10	5.25E-10	6.95E-10
3622	437719.45	3761827.46	2.56E-09	8.74E-09	1.13E-08	3.98E-10	1.43E-09	1.83E-09	2.14E-10	6.62E-10	8.76E-10
3623	437728.05	3761831.02	2.59E-09	8.84E-09	1.14E-08	4.03E-10	1.44E-09	1.85E-09	2.17E-10	6.70E-10	8.87E-10
3624	437736.65	3761834.59	2.63E-09	8.95E-09	1.16E-08	4.08E-10	1.46E-09	1.87E-09	2.20E-10	6.78E-10	8.98E-10
3625	437745.25	3761838.15	2.66E-09	9.06E-09	1.17E-08	4.13E-10	1.48E-09	1.89E-09	2.22E-10	6.87E-10	9.09E-10
3626	437753.85	3761841.72	2.69E-09	9.17E-09	1.19E-08	4.18E-10	1.50E-09	1.92E-09	2.25E-10	6.95E-10	9.20E-10
3627	437762.45	3761845.28	2.72E-09	9.28E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.04E-10	9.31E-10
3628	437771.05	3761848.85	2.75E-09	9.39E-09	1.21E-08	4.28E-10	1.53E-09	1.96E-09	2.31E-10	7.12E-10	9.42E-10
3629	437779.65	3761852.41	2.79E-09	9.50E-09	1.23E-08	4.33E-10	1.55E-09	1.99E-09	2.33E-10	7.20E-10	9.53E-10
3630	437788.25	3761855.98	2.82E-09	9.61E-09	1.24E-08	4.38E-10	1.57E-09	2.01E-09	2.36E-10	7.28E-10	9.64E-10
3631	437796.84	3761859.54	2.85E-09	9.72E-09	1.26E-08	4.43E-10	1.59E-09	2.03E-09	2.39E-10	7.37E-10	9.75E-10
3632	437805.44	3761863.11	2.88E-09	9.83E-09	1.27E-08	4.48E-10	1.61E-09	2.05E-09	2.41E-10	7.45E-10	9.86E-10
3633	437814.04	3761866.67	2.91E-09	9.93E-09	1.28E-08	4.52E-10	1.62E-09	2.07E-09	2.44E-10	7.52E-10	9.96E-10
3634	437822.64	3761870.24	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.09E-09	2.46E-10	7.60E-10	1.01E-09
3635	437831.24	3761873.8	2.97E-09	1.01E-08	1.31E-08	4.61E-10	1.65E-09	2.11E-09	2.48E-10	7.66E-10	1.01E-09
3636	437839.84	3761877.37	2.99E-09	1.02E-08	1.32E-08	4.65E-10	1.67E-09	2.13E-09	2.50E-10	7.73E-10	1.02E-09
3637	437848.44	3761880.93	3.02E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.52E-10	7.79E-10	1.03E-09
3638	437857.04	3761884.5	3.04E-09	1.04E-08	1.34E-08	4.72E-10	1.69E-09	2.17E-09	2.54E-10	7.86E-10	1.04E-09
3639	437865.64	3761888.06	3.06E-09	1.04E-08	1.35E-08	4.76E-10	1.71E-09	2.18E-09	2.56E-10	7.92E-10	1.05E-09
3640	437874.24	3761891.63	3.09E-09	1.05E-08	1.36E-08	4.80E-10	1.72E-09	2.20E-09	2.58E-10	7.98E-10	1.06E-09
3641	437882.84	3761895.19	3.11E-09	1.06E-08	1.37E-08	4.83E-10	1.73E-09	2.22E-09	2.60E-10	8.04E-10	1.06E-09
3642	437891.44	3761898.76	3.13E-09	1.07E-08	1.38E-08	4.87E-10	1.75E-09	2.23E-09	2.62E-10	8.10E-10	1.07E-09
3643	437900.04	3761902.32	3.16E-09	1.08E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.15E-10	1.08E-09
3644	437908.64	3761905.89	3.18E-09	1.08E-08	1.40E-08	4.94E-10	1.77E-09	2.26E-09	2.66E-10	8.21E-10	1.09E-09
3645	437917.24	3761909.45	3.2E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.26E-10	1.09E-09
3646	437925.84	3761913.02	3.22E-09	1.10E-08	1.42E-08	5.00E-10	1.79E-09	2.29E-09	2.69E-10	8.32E-10	1.10E-09
3647	437934.44	3761916.58	3.24E-09	1.10E-08	1.43E-08	5.03E-10	1.80E-09	2.31E-09	2.71E-10	8.37E-10	1.11E-09
3648	437943.04	3761920.15	3.26E-09	1.11E-08	1.44E-08	5.06E-10	1.82E-09	2.32E-09	2.73E-10	8.42E-10	1.12E-09
3649	437951.64	3761923.71	3.28E-09	1.12E-08	1.45E-08	5.10E-10	1.83E-09	2.34E-09	2.74E-10	8.47E-10	1.12E-09
3650	437960.24	3761927.28	3.3E-09	1.12E-08	1.45E-08	5.12E-10	1.84E-09	2.35E-09	2.76E-10	8.52E-10	1.13E-09
3651	437968.84	3761930.84	3.32E-09	1.13E-08	1.46E-08	5.15E-10	1.85E-09	2.36E-09	2.78E-10	8.57E-10	1.13E-09
3652	437977.44	3761934.41	3.34E-09	1.14E-08	1.47E-08	5.18E-10	1.86E-09	2.38E-09	2.79E-10	8.62E-10	1.14E-09
3653	438046.23	3761962.93	3.47E-09	1.18E-08	1.53E-08	5.40E-10	1.94E-09	2.48E-09	2.91E-10	8.98E-10	1.19E-09
3654	438054.83	3761966.5	3.49E-09	1.19E-08	1.54E-08	5.42E-10	1.94E-09	2.49E-09	2.92E-10	9.02E-10	1.19E-09
3655	438063.43	3761970.06	3.51E-09	1.20E-08	1.55E-08	5.45E-10	1.95E-09	2.50E-09	2.93E-10	9.06E-10	1.20E-09
3656	438072.03	3761973.63	3.52E-09	1.20E-08	1.55E-08	5.47E-10	1.96E-09	2.51E-09	2.95E-10	9.09E-10	1.20E-09

3657	438080.63	3761977.19	3.53E-09	1.20E-08	1.56E-08	5.49E-10	1.97E-09	2.52E-09	2.96E-10	9.13E-10	1.21E-09
3658	438089.23	3761980.76	3.55E-09	1.21E-08	1.56E-08	5.51E-10	1.98E-09	2.53E-09	2.97E-10	9.16E-10	1.21E-09
3659	438097.83	3761984.32	3.56E-09	1.21E-08	1.57E-08	5.53E-10	1.98E-09	2.54E-09	2.98E-10	9.19E-10	1.22E-09
3660	438106.43	3761987.89	3.57E-09	1.22E-08	1.57E-08	5.55E-10	1.99E-09	2.54E-09	2.99E-10	9.23E-10	1.22E-09
3661	438115.03	3761991.45	3.58E-09	1.22E-08	1.58E-08	5.57E-10	2.00E-09	2.55E-09	3.00E-10	9.26E-10	1.23E-09
3662	438123.63	3761995.02	3.59E-09	1.23E-08	1.59E-08	5.59E-10	2.00E-09	2.56E-09	3.01E-10	9.29E-10	1.23E-09
3663	438132.23	3761998.58	3.6E-09	1.23E-08	1.59E-08	5.60E-10	2.01E-09	2.57E-09	3.02E-10	9.31E-10	1.23E-09
3664	438140.83	3762002.15	3.61E-09	1.23E-08	1.59E-08	5.62E-10	2.01E-09	2.58E-09	3.03E-10	9.34E-10	1.24E-09
3665	438149.43	3762005.71	3.62E-09	1.24E-08	1.60E-08	5.63E-10	2.02E-09	2.58E-09	3.03E-10	9.36E-10	1.24E-09
3666	438158.03	3762009.28	3.63E-09	1.24E-08	1.60E-08	5.64E-10	2.02E-09	2.59E-09	3.04E-10	9.39E-10	1.24E-09
3667	438166.63	3762012.84	3.64E-09	1.24E-08	1.61E-08	5.66E-10	2.03E-09	2.59E-09	3.05E-10	9.40E-10	1.25E-09
3668	438175.23	3762016.41	3.65E-09	1.24E-08	1.61E-08	5.67E-10	2.03E-09	2.60E-09	3.05E-10	9.42E-10	1.25E-09
3669	438183.83	3762019.97	3.65E-09	1.25E-08	1.61E-08	5.68E-10	2.04E-09	2.60E-09	3.06E-10	9.44E-10	1.25E-09
3670	438192.43	3762023.54	3.66E-09	1.25E-08	1.61E-08	5.69E-10	2.04E-09	2.61E-09	3.06E-10	9.46E-10	1.25E-09
3671	438201.03	3762027.1	3.67E-09	1.25E-08	1.62E-08	5.70E-10	2.04E-09	2.61E-09	3.07E-10	9.47E-10	1.25E-09
3672	438209.63	3762030.67	3.67E-09	1.25E-08	1.62E-08	5.71E-10	2.05E-09	2.62E-09	3.07E-10	9.49E-10	1.26E-09
3673	438218.23	3762034.23	3.68E-09	1.25E-08	1.62E-08	5.71E-10	2.05E-09	2.62E-09	3.08E-10	9.50E-10	1.26E-09
3674	438226.83	3762037.8	3.68E-09	1.25E-08	1.62E-08	5.72E-10	2.05E-09	2.62E-09	3.08E-10	9.51E-10	1.26E-09
3675	438260.3	3762101.59	4.01E-09	1.37E-08	1.77E-08	6.24E-10	2.24E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
3676	438263.85	3762110.2	4.06E-09	1.39E-08	1.79E-08	6.31E-10	2.26E-09	2.89E-09	3.40E-10	1.05E-09	1.39E-09
3677	438267.41	3762118.8	4.11E-09	1.40E-08	1.81E-08	6.39E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.41E-09
3678	438270.96	3762127.41	4.16E-09	1.42E-08	1.84E-08	6.47E-10	2.32E-09	2.97E-09	3.48E-10	1.08E-09	1.42E-09
3679	438274.51	3762136.01	4.21E-09	1.44E-08	1.86E-08	6.55E-10	2.35E-09	3.00E-09	3.53E-10	1.09E-09	1.44E-09
3680	438278.07	3762144.62	4.27E-09	1.45E-08	1.88E-08	6.63E-10	2.38E-09	3.04E-09	3.57E-10	1.10E-09	1.46E-09
3681	438281.62	3762153.22	4.32E-09	1.47E-08	1.90E-08	6.71E-10	2.41E-09	3.08E-09	3.61E-10	1.12E-09	1.48E-09
3682	438285.17	3762161.82	4.37E-09	1.49E-08	1.93E-08	6.79E-10	2.43E-09	3.11E-09	3.66E-10	1.13E-09	1.50E-09
3683	438288.73	3762170.43	4.42E-09	1.51E-08	1.95E-08	6.87E-10	2.46E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
3684	438292.28	3762179.03	4.48E-09	1.53E-08	1.97E-08	6.96E-10	2.49E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
3685	438295.83	3762187.64	4.53E-09	1.55E-08	2.00E-08	7.04E-10	2.52E-09	3.23E-09	3.79E-10	1.17E-09	1.55E-09
3686	438299.39	3762196.24	4.59E-09	1.56E-08	2.02E-08	7.13E-10	2.55E-09	3.27E-09	3.84E-10	1.18E-09	1.57E-09
3687	438302.94	3762204.85	4.64E-09	1.58E-08	2.05E-08	7.21E-10	2.59E-09	3.31E-09	3.88E-10	1.20E-09	1.59E-09
3688	438306.49	3762213.45	4.7E-09	1.60E-08	2.07E-08	7.30E-10	2.62E-09	3.35E-09	3.93E-10	1.21E-09	1.61E-09
3689	438310.05	3762222.06	4.76E-09	1.62E-08	2.10E-08	7.39E-10	2.65E-09	3.39E-09	3.98E-10	1.23E-09	1.63E-09
3690	438313.6	3762230.66	4.81E-09	1.64E-08	2.12E-08	7.48E-10	2.68E-09	3.43E-09	4.03E-10	1.24E-09	1.65E-09
3691	438317.15	3762239.27	4.87E-09	1.66E-08	2.15E-08	7.57E-10	2.72E-09	3.47E-09	4.08E-10	1.26E-09	1.67E-09
3692	438320.71	3762247.87	4.94E-09	1.68E-08	2.18E-08	7.67E-10	2.75E-09	3.52E-09	4.13E-10	1.28E-09	1.69E-09
3693	438324.26	3762256.47	5E-09	1.70E-08	2.20E-08	7.77E-10	2.78E-09	3.56E-09	4.18E-10	1.29E-09	1.71E-09
3694	438327.81	3762265.08	5.06E-09	1.73E-08	2.23E-08	7.87E-10	2.82E-09	3.61E-09	4.24E-10	1.31E-09	1.73E-09
3695	438331.37	3762273.68	5.13E-09	1.75E-08	2.26E-08	7.97E-10	2.86E-09	3.66E-09	4.29E-10	1.33E-09	1.76E-09
3696	438334.92	3762282.29	5.2E-09	1.77E-08	2.29E-08	8.08E-10	2.90E-09	3.70E-09	4.35E-10	1.34E-09	1.78E-09
3697	438338.47	3762290.89	5.27E-09	1.80E-08	2.32E-08	8.19E-10	2.93E-09	3.75E-09	4.41E-10	1.36E-09	1.80E-09
3698	438342.03	3762299.5	5.34E-09	1.82E-08	2.35E-08	8.30E-10	2.97E-09	3.80E-09	4.47E-10	1.38E-09	1.83E-09
3699	438345.58	3762308.1	5.41E-09	1.85E-08	2.39E-08	8.41E-10	3.02E-09	3.86E-09	4.53E-10	1.40E-09	1.85E-09
3700	438349.13	3762316.71	5.49E-09	1.87E-08	2.42E-08	8.53E-10	3.06E-09	3.91E-09	4.59E-10	1.42E-09	1.88E-09
3701	438391.77	3762419.96	6.58E-09	2.24E-08	2.90E-08	1.02E-09	3.67E-09	4.69E-09	5.51E-10	1.70E-09	2.25E-09
3702	438395.33	3762428.56	6.69E-09	2.28E-08	2.95E-08	1.04E-09	3.73E-09	4.76E-09	5.60E-10	1.73E-09	2.29E-09
3703	438398.88	3762437.17	6.8E-09	2.32E-08	3.00E-08	1.06E-09	3.79E-09	4.84E-09	5.69E-10	1.76E-09	2.32E-09
3704	438402.43	3762445.77	6.91E-09	2.36E-08	3.05E-08	1.07E-09	3.85E-09	4.92E-09	5.78E-10	1.78E-09	2.36E-09
3705	438405.99	3762454.38	7.02E-09	2.39E-08	3.10E-08	1.09E-09	3.91E-09	5.00E-09	5.87E-10	1.81E-09	2.40E-09
3706	438409.54	3762462.98	7.13E-09	2.43E-08	3.15E-08	1.11E-09	3.97E-09	5.08E-09	5.97E-10	1.84E-09	2.44E-09
3707	438413.09	3762471.59	7.25E-09	2.47E-08	3.20E-08	1.13E-09	4.04E-09	5.16E-09	6.07E-10	1.87E-09	2.48E-09
3708	438416.65	3762480.19	7.36E-09	2.51E-08	3.25E-08	1.14E-09	4.10E-09	5.25E-09	6.16E-10	1.90E-09	2.52E-09
3709	438420.2	3762488.8	7.48E-09	2.55E-08	3.30E-08	1.16E-09	4.17E-09	5.33E-09	6.26E-10	1.93E-09	2.56E-09
3710	438423.75	3762497.4	7.6E-09	2.59E-08	3.35E-08	1.18E-09	4.23E-09	5.42E-09	6.36E-10	1.96E-09	2.60E-09
3711	438427.31	3762506.01	7.72E-09	2.63E-08	3.41E-08	1.20E-09	4.30E-09	5.50E-09	6.46E-10	2.00E-09	2.64E-09
3712	438430.86	3762514.61	7.84E-09	2.67E-08	3.46E-08	1.22E-09	4.37E-09	5.59E-09	6.57E-10	2.03E-09	2.68E-09
3713	438434.41	3762523.21	7.97E-09	2.72E-08	3.51E-08	1.24E-09	4.44E-09	5.68E-09	6.67E-10	2.06E-09	2.73E-09
3714	438437.97	3762531.82	8.09E-09	2.76E-08	3.57E-08	1.26E-09	4.51E-09	5.76E-09	6.77E-10	2.09E-09	2.77E-09
3715	438441.52	3762540.42	8.21E-09	2.80E-08	3.62E-08	1.28E-09	4.57E-09	5.85E-09	6.87E-10	2.12E-09	2.81E-09
3716	438445.07	3762549.03	8.33E-09	2.84E-08	3.67E-08	1.29E-09	4.64E-09	5.94E-09	6.97E-10	2.15E-09	2.85E-09
3717	438448.63	3762557.63	8.45E-09	2.88E-08	3.73E-08	1.31E-09	4.71E-09	6.02E-09	7.08E-10	2.18E-09	2.89E-09

3718	438452.18	3762566.24	8.58E-09	2.92E-08	3.78E-08	1.33E-09	4.78E-09	6.11E-09	7.18E-10	2.22E-09	2.93E-09
3719	438455.73	3762574.84	8.7E-09	2.97E-08	3.84E-08	1.35E-09	4.84E-09	6.20E-09	7.28E-10	2.25E-09	2.98E-09
3720	438459.29	3762583.45	8.82E-09	3.01E-08	3.89E-08	1.37E-09	4.91E-09	6.28E-09	7.38E-10	2.28E-09	3.02E-09
3721	438462.84	3762592.05	8.94E-09	3.05E-08	3.94E-08	1.39E-09	4.98E-09	6.37E-09	7.48E-10	2.31E-09	3.06E-09
3722	438466.39	3762600.65	9.06E-09	3.09E-08	3.99E-08	1.41E-09	5.05E-09	6.45E-09	7.58E-10	2.34E-09	3.10E-09
3723	438469.95	3762609.26	9.18E-09	3.13E-08	4.05E-08	1.43E-09	5.11E-09	6.54E-09	7.68E-10	2.37E-09	3.14E-09
3724	438473.5	3762617.86	9.3E-09	3.17E-08	4.10E-08	1.44E-09	5.18E-09	6.63E-09	7.78E-10	2.40E-09	3.18E-09
3725	438477.05	3762626.47	9.42E-09	3.21E-08	4.15E-08	1.46E-09	5.25E-09	6.71E-09	7.88E-10	2.43E-09	3.22E-09
3726	438480.61	3762635.07	9.53E-09	3.25E-08	4.20E-08	1.48E-09	5.31E-09	6.79E-09	7.98E-10	2.46E-09	3.26E-09
3727	438484.16	3762643.68	9.65E-09	3.29E-08	4.26E-08	1.50E-09	5.38E-09	6.87E-09	8.08E-10	2.49E-09	3.30E-09
3728	438487.71	3762652.28	9.76E-09	3.33E-08	4.31E-08	1.52E-09	5.44E-09	6.95E-09	8.17E-10	2.52E-09	3.34E-09
3729	438491.27	3762660.89	9.87E-09	3.37E-08	4.35E-08	1.53E-09	5.50E-09	7.03E-09	8.26E-10	2.55E-09	3.38E-09
3730	438494.82	3762669.49	9.98E-09	3.40E-08	4.40E-08	1.55E-09	5.56E-09	7.11E-09	8.35E-10	2.58E-09	3.41E-09
3731	438498.37	3762678.1	1.01E-08	3.44E-08	4.45E-08	1.57E-09	5.62E-09	7.19E-09	8.44E-10	2.61E-09	3.45E-09
3732	438501.93	3762686.7	1.02E-08	3.48E-08	4.50E-08	1.58E-09	5.68E-09	7.26E-09	8.53E-10	2.63E-09	3.49E-09
3733	438505.48	3762695.3	1.03E-08	3.51E-08	4.54E-08	1.60E-09	5.74E-09	7.34E-09	8.62E-10	2.66E-09	3.52E-09
3734	438509.03	3762703.91	1.04E-08	3.54E-08	4.58E-08	1.62E-09	5.79E-09	7.41E-09	8.70E-10	2.69E-09	3.56E-09
3735	438512.59	3762712.51	1.05E-08	3.58E-08	4.63E-08	1.63E-09	5.84E-09	7.48E-09	8.78E-10	2.71E-09	3.59E-09
3736	437737.29	3761794.85	2.45E-09	8.34E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.05E-10	6.32E-10	8.37E-10
3737	437745.92	3761798.43	2.48E-09	8.45E-09	1.09E-08	3.85E-10	1.38E-09	1.76E-09	2.07E-10	6.40E-10	8.47E-10
3738	437754.55	3761802.01	2.51E-09	8.55E-09	1.11E-08	3.90E-10	1.40E-09	1.79E-09	2.10E-10	6.48E-10	8.58E-10
3739	437763.18	3761805.59	2.54E-09	8.65E-09	1.12E-08	3.94E-10	1.41E-09	1.81E-09	2.12E-10	6.55E-10	8.67E-10
3740	437771.81	3761809.16	2.56E-09	8.75E-09	1.13E-08	3.99E-10	1.43E-09	1.83E-09	2.15E-10	6.63E-10	8.77E-10
3741	437780.44	3761812.74	2.59E-09	8.84E-09	1.14E-08	4.03E-10	1.44E-09	1.85E-09	2.17E-10	6.70E-10	8.87E-10
3742	437789.07	3761816.32	2.62E-09	8.94E-09	1.16E-08	4.07E-10	1.46E-09	1.87E-09	2.19E-10	6.77E-10	8.97E-10
3743	437797.7	3761819.9	2.65E-09	9.04E-09	1.17E-08	4.12E-10	1.48E-09	1.89E-09	2.22E-10	6.85E-10	9.07E-10
3744	437806.33	3761823.48	2.68E-09	9.14E-09	1.18E-08	4.16E-10	1.49E-09	1.91E-09	2.24E-10	6.92E-10	9.16E-10
3745	437814.96	3761827.05	2.71E-09	9.23E-09	1.19E-08	4.21E-10	1.51E-09	1.93E-09	2.27E-10	7.00E-10	9.26E-10
3746	437823.59	3761830.63	2.74E-09	9.33E-09	1.21E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.07E-10	9.36E-10
3747	437832.22	3761834.21	2.76E-09	9.42E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.14E-10	9.45E-10
3748	437840.85	3761837.79	2.79E-09	9.51E-09	1.23E-08	4.33E-10	1.55E-09	1.99E-09	2.33E-10	7.20E-10	9.54E-10
3749	437849.48	3761841.36	2.81E-09	9.59E-09	1.24E-08	4.37E-10	1.57E-09	2.00E-09	2.35E-10	7.27E-10	9.62E-10
3750	437858.11	3761844.94	2.84E-09	9.67E-09	1.25E-08	4.41E-10	1.58E-09	2.02E-09	2.37E-10	7.33E-10	9.70E-10
3751	437866.74	3761848.52	2.86E-09	9.74E-09	1.26E-08	4.44E-10	1.59E-09	2.04E-09	2.39E-10	7.38E-10	9.77E-10
3752	437875.37	3761852.1	2.88E-09	9.81E-09	1.27E-08	4.47E-10	1.60E-09	2.05E-09	2.41E-10	7.44E-10	9.84E-10
3753	437884	3761855.68	2.9E-09	9.88E-09	1.28E-08	4.50E-10	1.61E-09	2.06E-09	2.43E-10	7.49E-10	9.91E-10
3754	437892.63	3761859.25	2.92E-09	9.95E-09	1.29E-08	4.53E-10	1.63E-09	2.08E-09	2.44E-10	7.54E-10	9.98E-10
3755	437901.26	3761862.83	2.94E-09	1.00E-08	1.29E-08	4.56E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.00E-09
3756	437909.89	3761866.41	2.96E-09	1.01E-08	1.30E-08	4.59E-10	1.65E-09	2.11E-09	2.47E-10	7.64E-10	1.01E-09
3757	437918.52	3761869.99	2.98E-09	1.01E-08	1.31E-08	4.62E-10	1.66E-09	2.12E-09	2.49E-10	7.69E-10	1.02E-09
3758	437927.15	3761873.56	2.99E-09	1.02E-08	1.32E-08	4.65E-10	1.67E-09	2.13E-09	2.51E-10	7.74E-10	1.02E-09
3759	437935.78	3761877.14	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.15E-09	2.52E-10	7.79E-10	1.03E-09
3760	437944.41	3761880.72	3.03E-09	1.03E-08	1.34E-08	4.71E-10	1.69E-09	2.16E-09	2.54E-10	7.83E-10	1.04E-09
3761	437953.04	3761884.3	3.05E-09	1.04E-08	1.34E-08	4.74E-10	1.70E-09	2.17E-09	2.55E-10	7.88E-10	1.04E-09
3762	437961.67	3761887.88	3.07E-09	1.05E-08	1.35E-08	4.76E-10	1.71E-09	2.18E-09	2.57E-10	7.92E-10	1.05E-09
3763	437970.3	3761891.45	3.08E-09	1.05E-08	1.36E-08	4.79E-10	1.72E-09	2.20E-09	2.58E-10	7.97E-10	1.05E-09
3764	437978.93	3761895.03	3.1E-09	1.06E-08	1.37E-08	4.82E-10	1.73E-09	2.21E-09	2.59E-10	8.01E-10	1.06E-09
3765	438047.97	3761923.65	3.23E-09	1.10E-08	1.42E-08	5.02E-10	1.80E-09	2.30E-09	2.70E-10	8.35E-10	1.11E-09
3766	438056.6	3761927.23	3.25E-09	1.11E-08	1.43E-08	5.04E-10	1.81E-09	2.31E-09	2.72E-10	8.39E-10	1.11E-09
3767	438065.23	3761930.81	3.26E-09	1.11E-08	1.44E-08	5.06E-10	1.82E-09	2.32E-09	2.73E-10	8.42E-10	1.12E-09
3768	438073.87	3761934.39	3.27E-09	1.12E-08	1.44E-08	5.09E-10	1.82E-09	2.33E-09	2.74E-10	8.46E-10	1.12E-09
3769	438082.5	3761937.96	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.34E-09	2.75E-10	8.49E-10	1.12E-09
3770	438091.13	3761941.54	3.3E-09	1.13E-08	1.46E-08	5.13E-10	1.84E-09	2.35E-09	2.76E-10	8.53E-10	1.13E-09
3771	438099.76	3761945.12	3.31E-09	1.13E-08	1.46E-08	5.15E-10	1.85E-09	2.36E-09	2.77E-10	8.56E-10	1.13E-09
3772	438108.39	3761948.7	3.32E-09	1.13E-08	1.47E-08	5.17E-10	1.85E-09	2.37E-09	2.78E-10	8.59E-10	1.14E-09
3773	438117.02	3761952.27	3.34E-09	1.14E-08	1.47E-08	5.18E-10	1.86E-09	2.38E-09	2.79E-10	8.62E-10	1.14E-09
3774	438125.65	3761955.85	3.35E-09	1.14E-08	1.48E-08	5.20E-10	1.86E-09	2.38E-09	2.80E-10	8.65E-10	1.14E-09
3775	438134.28	3761959.43	3.36E-09	1.14E-08	1.48E-08	5.22E-10	1.87E-09	2.39E-09	2.81E-10	8.67E-10	1.15E-09
3776	438142.91	3761963.01	3.37E-09	1.15E-08	1.48E-08	5.23E-10	1.88E-09	2.40E-09	2.82E-10	8.70E-10	1.15E-09
3777	438151.54	3761966.59	3.38E-09	1.15E-08	1.49E-08	5.24E-10	1.88E-09	2.40E-09	2.83E-10	8.72E-10	1.15E-09
3778	438160.17	3761970.16	3.39E-09	1.15E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.83E-10	8.75E-10	1.16E-09

3779	438168.8	3761973.74	3.39E-09	1.16E-08	1.50E-08	5.28E-10	1.89E-09	2.42E-09	2.84E-10	8.77E-10	1.16E-09
3780	438177.43	3761977.32	3.4E-09	1.16E-08	1.50E-08	5.29E-10	1.90E-09	2.43E-09	2.85E-10	8.80E-10	1.16E-09
3781	438186.06	3761980.9	3.41E-09	1.16E-08	1.51E-08	5.30E-10	1.90E-09	2.43E-09	2.86E-10	8.82E-10	1.17E-09
3782	438194.69	3761984.47	3.42E-09	1.17E-08	1.51E-08	5.32E-10	1.91E-09	2.44E-09	2.86E-10	8.84E-10	1.17E-09
3783	438203.32	3761988.05	3.43E-09	1.17E-08	1.51E-08	5.33E-10	1.91E-09	2.44E-09	2.87E-10	8.86E-10	1.17E-09
3784	438211.95	3761991.63	3.43E-09	1.17E-08	1.51E-08	5.34E-10	1.91E-09	2.45E-09	2.88E-10	8.87E-10	1.17E-09
3785	438220.58	3761995.21	3.44E-09	1.17E-08	1.52E-08	5.35E-10	1.92E-09	2.45E-09	2.88E-10	8.89E-10	1.18E-09
3786	438229.21	3761998.79	3.45E-09	1.18E-08	1.52E-08	5.35E-10	1.92E-09	2.45E-09	2.88E-10	8.90E-10	1.18E-09
3787	438237.84	3762002.36	3.45E-09	1.18E-08	1.52E-08	5.36E-10	1.92E-09	2.46E-09	2.89E-10	8.92E-10	1.18E-09
3788	438246.47	3762005.94	3.45E-09	1.18E-08	1.52E-08	5.37E-10	1.92E-09	2.46E-09	2.89E-10	8.93E-10	1.18E-09
3789	438255.1	3762009.52	3.46E-09	1.18E-08	1.53E-08	5.37E-10	1.93E-09	2.46E-09	2.89E-10	8.94E-10	1.18E-09
3790	438267.3	3762021.73	3.5E-09	1.19E-08	1.54E-08	5.44E-10	1.95E-09	2.50E-09	2.93E-10	9.05E-10	1.20E-09
3791	438270.86	3762030.37	3.54E-09	1.21E-08	1.56E-08	5.51E-10	1.97E-09	2.52E-09	2.97E-10	9.16E-10	1.21E-09
3792	438274.43	3762039	3.58E-09	1.22E-08	1.58E-08	5.57E-10	2.00E-09	2.55E-09	3.00E-10	9.26E-10	1.23E-09
3793	438302.96	3762108.08	3.93E-09	1.34E-08	1.73E-08	6.11E-10	2.19E-09	2.80E-09	3.29E-10	1.02E-09	1.34E-09
3794	438306.52	3762116.72	3.98E-09	1.36E-08	1.75E-08	6.18E-10	2.22E-09	2.83E-09	3.33E-10	1.03E-09	1.36E-09
3795	438310.09	3762125.35	4.02E-09	1.37E-08	1.77E-08	6.25E-10	2.24E-09	2.87E-09	3.37E-10	1.04E-09	1.38E-09
3796	438313.65	3762133.99	4.07E-09	1.39E-08	1.79E-08	6.32E-10	2.27E-09	2.90E-09	3.41E-10	1.05E-09	1.39E-09
3797	438317.22	3762142.62	4.12E-09	1.40E-08	1.82E-08	6.40E-10	2.29E-09	2.93E-09	3.45E-10	1.06E-09	1.41E-09
3798	438320.79	3762151.26	4.16E-09	1.42E-08	1.84E-08	6.47E-10	2.32E-09	2.97E-09	3.49E-10	1.08E-09	1.42E-09
3799	438324.35	3762159.89	4.21E-09	1.44E-08	1.86E-08	6.54E-10	2.35E-09	3.00E-09	3.52E-10	1.09E-09	1.44E-09
3800	438327.92	3762168.53	4.26E-09	1.45E-08	1.88E-08	6.62E-10	2.37E-09	3.03E-09	3.56E-10	1.10E-09	1.46E-09
3801	438331.48	3762177.16	4.31E-09	1.47E-08	1.90E-08	6.69E-10	2.40E-09	3.07E-09	3.61E-10	1.11E-09	1.47E-09
3802	438335.05	3762185.8	4.36E-09	1.49E-08	1.92E-08	6.77E-10	2.43E-09	3.10E-09	3.65E-10	1.13E-09	1.49E-09
3803	438338.62	3762194.43	4.41E-09	1.50E-08	1.94E-08	6.85E-10	2.45E-09	3.14E-09	3.69E-10	1.14E-09	1.51E-09
3804	438342.18	3762203.07	4.46E-09	1.52E-08	1.97E-08	6.93E-10	2.48E-09	3.18E-09	3.73E-10	1.15E-09	1.53E-09
3805	438345.75	3762211.7	4.51E-09	1.54E-08	1.99E-08	7.01E-10	2.51E-09	3.21E-09	3.77E-10	1.17E-09	1.54E-09
3806	438349.31	3762220.34	4.56E-09	1.56E-08	2.01E-08	7.09E-10	2.54E-09	3.25E-09	3.82E-10	1.18E-09	1.56E-09
3807	438352.88	3762228.97	4.62E-09	1.57E-08	2.04E-08	7.18E-10	2.57E-09	3.29E-09	3.87E-10	1.19E-09	1.58E-09
3808	438388.54	3762315.33	5.25E-09	1.79E-08	2.31E-08	8.15E-10	2.92E-09	3.74E-09	4.39E-10	1.36E-09	1.79E-09
3809	438392.1	3762323.96	5.32E-09	1.81E-08	2.35E-08	8.26E-10	2.96E-09	3.79E-09	4.45E-10	1.37E-09	1.82E-09
3810	438395.67	3762332.6	5.39E-09	1.84E-08	2.38E-08	8.38E-10	3.00E-09	3.84E-09	4.51E-10	1.39E-09	1.85E-09
3811	438399.24	3762341.23	5.47E-09	1.87E-08	2.41E-08	8.50E-10	3.05E-09	3.90E-09	4.58E-10	1.41E-09	1.87E-09
3812	438402.8	3762349.87	5.55E-09	1.89E-08	2.45E-08	8.62E-10	3.09E-09	3.95E-09	4.65E-10	1.43E-09	1.90E-09
3813	438406.37	3762358.5	5.63E-09	1.92E-08	2.48E-08	8.75E-10	3.14E-09	4.01E-09	4.71E-10	1.46E-09	1.93E-09
3814	438409.93	3762367.14	5.72E-09	1.95E-08	2.52E-08	8.88E-10	3.18E-09	4.07E-09	4.78E-10	1.48E-09	1.96E-09
3815	438413.5	3762375.77	5.8E-09	1.98E-08	2.56E-08	9.01E-10	3.23E-09	4.13E-09	4.86E-10	1.50E-09	1.98E-09
3816	438417.07	3762384.41	5.89E-09	2.01E-08	2.60E-08	9.15E-10	3.28E-09	4.20E-09	4.93E-10	1.52E-09	2.01E-09
3817	438420.63	3762393.04	5.98E-09	2.04E-08	2.64E-08	9.29E-10	3.33E-09	4.26E-09	5.00E-10	1.54E-09	2.04E-09
3818	438424.2	3762401.68	6.07E-09	2.07E-08	2.68E-08	9.43E-10	3.38E-09	4.32E-09	5.08E-10	1.57E-09	2.08E-09
3819	438427.76	3762410.31	6.16E-09	2.10E-08	2.72E-08	9.58E-10	3.43E-09	4.39E-09	5.16E-10	1.59E-09	2.11E-09
3820	438431.33	3762418.95	6.26E-09	2.13E-08	2.76E-08	9.72E-10	3.49E-09	4.46E-09	5.24E-10	1.62E-09	2.14E-09
3821	438434.9	3762427.58	6.36E-09	2.17E-08	2.80E-08	9.88E-10	3.54E-09	4.53E-09	5.32E-10	1.64E-09	2.17E-09
3822	438438.46	3762436.22	6.45E-09	2.20E-08	2.85E-08	1.00E-09	3.60E-09	4.60E-09	5.40E-10	1.67E-09	2.21E-09
3823	438442.03	3762444.85	6.55E-09	2.24E-08	2.89E-08	1.02E-09	3.65E-09	4.67E-09	5.49E-10	1.69E-09	2.24E-09
3824	438445.59	3762453.49	6.66E-09	2.27E-08	2.94E-08	1.03E-09	3.71E-09	4.74E-09	5.57E-10	1.72E-09	2.28E-09
3825	438449.16	3762462.12	6.76E-09	2.31E-08	2.98E-08	1.05E-09	3.77E-09	4.82E-09	5.66E-10	1.75E-09	2.31E-09
3826	438452.73	3762470.76	6.86E-09	2.34E-08	3.03E-08	1.07E-09	3.82E-09	4.89E-09	5.75E-10	1.77E-09	2.35E-09
3827	438456.29	3762479.39	6.97E-09	2.38E-08	3.07E-08	1.08E-09	3.88E-09	4.97E-09	5.83E-10	1.80E-09	2.38E-09
3828	438459.86	3762488.03	7.08E-09	2.41E-08	3.12E-08	1.10E-09	3.94E-09	5.04E-09	5.92E-10	1.83E-09	2.42E-09
3829	438463.42	3762496.66	7.18E-09	2.45E-08	3.17E-08	1.12E-09	4.00E-09	5.12E-09	6.01E-10	1.86E-09	2.46E-09
3830	438466.99	3762505.3	7.29E-09	2.49E-08	3.22E-08	1.13E-09	4.06E-09	5.20E-09	6.10E-10	1.88E-09	2.50E-09
3831	438470.56	3762513.93	7.4E-09	2.52E-08	3.26E-08	1.15E-09	4.12E-09	5.27E-09	6.20E-10	1.91E-09	2.53E-09
3832	438474.12	3762522.57	7.51E-09	2.56E-08	3.31E-08	1.17E-09	4.18E-09	5.35E-09	6.29E-10	1.94E-09	2.57E-09
3833	438477.69	3762531.2	7.62E-09	2.60E-08	3.36E-08	1.18E-09	4.25E-09	5.43E-09	6.38E-10	1.97E-09	2.61E-09
3834	438481.25	3762539.84	7.73E-09	2.64E-08	3.41E-08	1.20E-09	4.31E-09	5.51E-09	6.47E-10	2.00E-09	2.64E-09
3835	438484.82	3762548.47	7.84E-09	2.67E-08	3.46E-08	1.22E-09	4.37E-09	5.59E-09	6.56E-10	2.03E-09	2.68E-09
3836	438488.39	3762557.11	7.95E-09	2.71E-08	3.51E-08	1.24E-09	4.43E-09	5.66E-09	6.65E-10	2.05E-09	2.72E-09
3837	438491.95	3762565.74	8.06E-09	2.75E-08	3.55E-08	1.25E-09	4.49E-09	5.74E-09	6.75E-10	2.08E-09	2.76E-09
3838	438495.52	3762574.38	8.17E-09	2.78E-08	3.60E-08	1.27E-09	4.55E-09	5.82E-09	6.84E-10	2.11E-09	2.79E-09
3839	438499.08	3762583.01	8.28E-09	2.82E-08	3.65E-08	1.29E-09	4.61E-09	5.90E-09	6.93E-10	2.14E-09	2.83E-09

3840	438502.65	3762591.65	8.38E-09	2.86E-08	3.70E-08	1.30E-09	4.67E-09	5.97E-09	7.02E-10	2.17E-09	2.87E-09
3841	438506.22	3762600.28	8.49E-09	2.89E-08	3.74E-08	1.32E-09	4.73E-09	6.05E-09	7.11E-10	2.19E-09	2.90E-09
3842	438509.78	3762608.92	8.6E-09	2.93E-08	3.79E-08	1.34E-09	4.79E-09	6.12E-09	7.20E-10	2.22E-09	2.94E-09
3843	438513.35	3762617.55	8.7E-09	2.97E-08	3.84E-08	1.35E-09	4.85E-09	6.20E-09	7.29E-10	2.25E-09	2.98E-09
3844	438516.91	3762626.19	8.81E-09	3.00E-08	3.88E-08	1.37E-09	4.91E-09	6.28E-09	7.37E-10	2.28E-09	3.01E-09
3845	438520.48	3762634.83	8.91E-09	3.04E-08	3.93E-08	1.38E-09	4.97E-09	6.35E-09	7.46E-10	2.30E-09	3.05E-09
3846	438524.05	3762643.46	9.02E-09	3.07E-08	3.98E-08	1.40E-09	5.02E-09	6.42E-09	7.55E-10	2.33E-09	3.08E-09
3847	438527.61	3762652.1	9.12E-09	3.11E-08	4.02E-08	1.42E-09	5.08E-09	6.50E-09	7.63E-10	2.36E-09	3.12E-09
3848	438531.18	3762660.73	9.22E-09	3.14E-08	4.06E-08	1.43E-09	5.13E-09	6.57E-09	7.71E-10	2.38E-09	3.15E-09
3849	438534.74	3762669.37	9.31E-09	3.18E-08	4.11E-08	1.45E-09	5.19E-09	6.64E-09	7.80E-10	2.41E-09	3.19E-09
3850	438538.31	3762678	9.41E-09	3.21E-08	4.15E-08	1.46E-09	5.24E-09	6.70E-09	7.88E-10	2.43E-09	3.22E-09
3851	438541.88	3762686.64	9.5E-09	3.24E-08	4.19E-08	1.48E-09	5.29E-09	6.77E-09	7.95E-10	2.46E-09	3.25E-09
3852	438545.44	3762695.27	9.59E-09	3.27E-08	4.23E-08	1.49E-09	5.34E-09	6.83E-09	8.03E-10	2.48E-09	3.28E-09
3853	438549.01	3762703.91	9.68E-09	3.30E-08	4.27E-08	1.50E-09	5.39E-09	6.90E-09	8.10E-10	2.50E-09	3.31E-09
3854	438552.57	3762712.54	9.77E-09	3.33E-08	4.31E-08	1.52E-09	5.44E-09	6.96E-09	8.18E-10	2.52E-09	3.34E-09
3855	437683.45	3762710.71	1.94E-07	6.62E-07	8.56E-07	3.02E-08	1.08E-07	1.38E-07	1.63E-08	5.02E-08	6.64E-08
3856	437703.45	3762710.71	1.68E-07	5.71E-07	7.39E-07	2.60E-08	9.33E-08	1.19E-07	1.40E-08	4.33E-08	5.73E-08
3857	437723.45	3762710.71	1.46E-07	4.97E-07	6.43E-07	2.27E-08	8.12E-08	1.04E-07	1.22E-08	3.77E-08	4.99E-08
3858	437743.45	3762710.71	1.28E-07	4.37E-07	5.65E-07	1.99E-08	7.13E-08	9.12E-08	1.07E-08	3.31E-08	4.38E-08
3859	437803.45	3762710.71	9.04E-08	3.08E-07	3.99E-07	1.41E-08	5.04E-08	6.44E-08	7.57E-09	2.34E-08	3.09E-08
3860	437803.45	3762674.65	7.09E-08	2.42E-07	3.13E-07	1.10E-08	3.95E-08	5.05E-08	5.94E-09	1.83E-08	2.43E-08
3861	437863.45	3762710.71	6.71E-08	2.29E-07	2.96E-07	1.04E-08	3.74E-08	4.78E-08	5.61E-09	1.73E-08	2.29E-08
3862	437863.45	3762701.7	6.38E-08	2.18E-07	2.81E-07	9.92E-09	3.56E-08	4.55E-08	5.34E-09	1.65E-08	2.18E-08
3863	437863.45	3762692.68	6.06E-08	2.07E-07	2.67E-07	9.42E-09	3.38E-08	4.32E-08	5.08E-09	1.57E-08	2.07E-08
3864	437893.45	3762710.71	5.86E-08	2.00E-07	2.59E-07	9.11E-09	3.27E-08	4.18E-08	4.91E-09	1.52E-08	2.01E-08
3865	437893.45	3762701.7	5.6E-08	1.91E-07	2.47E-07	8.70E-09	3.12E-08	3.99E-08	4.69E-09	1.45E-08	1.92E-08
3866	437893.45	3762692.68	5.34E-08	1.82E-07	2.36E-07	8.30E-09	2.98E-08	3.81E-08	4.47E-09	1.38E-08	1.83E-08
3867	437923.45	3762710.71	5.17E-08	1.76E-07	2.28E-07	8.03E-09	2.88E-08	3.68E-08	4.32E-09	1.33E-08	1.77E-08
3868	437923.45	3762701.7	4.95E-08	1.69E-07	2.18E-07	7.69E-09	2.76E-08	3.53E-08	4.14E-09	1.28E-08	1.69E-08
3869	437923.45	3762692.68	4.74E-08	1.62E-07	2.09E-07	7.36E-09	2.64E-08	3.38E-08	3.97E-09	1.22E-08	1.62E-08
3870	438013.45	3762710.71	3.67E-08	1.25E-07	1.62E-07	5.71E-09	2.05E-08	2.62E-08	3.07E-09	9.49E-09	1.26E-08
3871	438013.45	3762701.7	3.55E-08	1.21E-07	1.56E-07	5.51E-09	1.98E-08	2.53E-08	2.97E-09	9.17E-09	1.21E-08
3872	438013.45	3762692.68	3.42E-08	1.17E-07	1.51E-07	5.32E-09	1.91E-08	2.44E-08	2.87E-09	8.85E-09	1.17E-08
3873	438043.45	3762710.71	3.32E-08	1.13E-07	1.46E-07	5.15E-09	1.85E-08	2.36E-08	2.78E-09	8.57E-09	1.13E-08
3874	438043.45	3762701.7	3.21E-08	1.09E-07	1.41E-07	4.99E-09	1.79E-08	2.29E-08	2.69E-09	8.29E-09	1.10E-08
3875	438043.45	3762692.68	3.1E-08	1.06E-07	1.37E-07	4.82E-09	1.73E-08	2.21E-08	2.60E-09	8.02E-09	1.06E-08
3876	438083.45	3762719.73	3E-08	1.02E-07	1.32E-07	4.67E-09	1.67E-08	2.14E-08	2.51E-09	7.76E-09	1.03E-08
3877	438083.45	3762710.71	2.91E-08	9.94E-08	1.29E-07	4.53E-09	1.62E-08	2.08E-08	2.44E-09	7.53E-09	9.97E-09
3878	438123.45	3762683.67	2.36E-08	8.06E-08	1.04E-07	3.67E-09	1.32E-08	1.68E-08	1.98E-09	6.11E-09	8.09E-09
3879	438123.45	3762674.65	2.29E-08	7.82E-08	1.01E-07	3.56E-09	1.28E-08	1.63E-08	1.92E-09	5.93E-09	7.85E-09
3880	438163.45	3762710.71	2.3E-08	7.83E-08	1.01E-07	3.57E-09	1.28E-08	1.64E-08	1.92E-09	5.93E-09	7.86E-09
3881	438163.45	3762701.7	2.24E-08	7.63E-08	9.87E-08	3.48E-09	1.25E-08	1.59E-08	1.87E-09	5.78E-09	7.65E-09
3882	438163.45	3762692.68	2.18E-08	7.43E-08	9.61E-08	3.38E-09	1.21E-08	1.55E-08	1.82E-09	5.63E-09	7.45E-09
3883	438163.45	3762683.67	2.12E-08	7.23E-08	9.35E-08	3.29E-09	1.18E-08	1.51E-08	1.77E-09	5.48E-09	7.25E-09
3884	438163.45	3762674.65	2.06E-08	7.03E-08	9.09E-08	3.20E-09	1.15E-08	1.47E-08	1.73E-09	5.33E-09	7.05E-09
3885	438203.45	3762710.71	2.06E-08	7.02E-08	9.08E-08	3.20E-09	1.15E-08	1.47E-08	1.72E-09	5.32E-09	7.04E-09
3886	438203.45	3762701.7	2.01E-08	6.85E-08	8.86E-08	3.12E-09	1.12E-08	1.43E-08	1.68E-09	5.19E-09	6.87E-09
3887	438203.45	3762692.68	1.96E-08	6.68E-08	8.64E-08	3.05E-09	1.09E-08	1.40E-08	1.64E-09	5.06E-09	6.70E-09
3888	438203.45	3762683.67	1.91E-08	6.51E-08	8.42E-08	2.97E-09	1.06E-08	1.36E-08	1.60E-09	4.94E-09	6.53E-09
3889	438203.45	3762674.65	1.86E-08	6.35E-08	8.21E-08	2.89E-09	1.04E-08	1.33E-08	1.56E-09	4.81E-09	6.37E-09
3890	438243.45	3762710.71	1.85E-08	6.31E-08	8.16E-08	2.88E-09	1.03E-08	1.32E-08	1.55E-09	4.78E-09	6.33E-09
3891	438243.45	3762701.7	1.81E-08	6.19E-08	8.00E-08	2.82E-09	1.01E-08	1.29E-08	1.52E-09	4.69E-09	6.21E-09
3892	438243.45	3762692.68	1.77E-08	6.04E-08	7.81E-08	2.75E-09	9.87E-09	1.26E-08	1.48E-09	4.58E-09	6.06E-09
3893	438243.45	3762683.67	1.73E-08	5.90E-08	7.63E-08	2.69E-09	9.64E-09	1.23E-08	1.45E-09	4.47E-09	5.92E-09
3894	438243.45	3762674.65	1.69E-08	5.76E-08	7.44E-08	2.62E-09	9.40E-09	1.20E-08	1.41E-09	4.36E-09	5.77E-09
3895	438283.45	3762710.71	1.69E-08	5.75E-08	7.43E-08	2.62E-09	9.39E-09	1.20E-08	1.41E-09	4.36E-09	5.77E-09
3896	438283.45	3762701.7	1.65E-08	5.62E-08	7.27E-08	2.56E-09	9.18E-09	1.17E-08	1.38E-09	4.26E-09	5.64E-09
3897	438283.45	3762692.68	1.61E-08	5.50E-08	7.11E-08	2.50E-09	8.98E-09	1.15E-08	1.35E-09	4.16E-09	5.51E-09
3898	438283.45	3762683.67	1.58E-08	5.37E-08	6.95E-08	2.45E-09	8.78E-09	1.12E-08	1.32E-09	4.07E-09	5.39E-09
3899	438283.45	3762674.65	1.54E-08	5.25E-08	6.79E-08	2.39E-09	8.58E-09	1.10E-08	1.29E-09	3.98E-09	5.27E-09
3900	438323.45	3762710.71	1.54E-08	5.24E-08	6.77E-08	2.39E-09	8.56E-09	1.09E-08	1.29E-09	3.97E-09	5.25E-09

3901	438323.45	3762701.7	1.5E-08	5.13E-08	6.63E-08	2.34E-09	8.38E-09	1.07E-08	1.26E-09	3.89E-09	5.15E-09
3902	438323.45	3762692.68	1.47E-08	5.02E-08	6.49E-08	2.29E-09	8.20E-09	1.05E-08	1.23E-09	3.80E-09	5.04E-09
3903	438323.45	3762683.67	1.44E-08	4.91E-08	6.36E-08	2.24E-09	8.03E-09	1.03E-08	1.21E-09	3.72E-09	4.93E-09
3904	438323.45	3762674.65	1.41E-08	4.81E-08	6.22E-08	2.19E-09	7.86E-09	1.00E-08	1.18E-09	3.64E-09	4.82E-09
3905	438403.45	3762710.71	1.29E-08	4.41E-08	5.70E-08	2.01E-09	7.20E-09	9.21E-09	1.08E-09	3.34E-09	4.42E-09
3906	438403.45	3762701.7	1.27E-08	4.33E-08	5.60E-08	1.97E-09	7.07E-09	9.04E-09	1.06E-09	3.28E-09	4.34E-09
3907	438403.45	3762692.68	1.24E-08	4.24E-08	5.49E-08	1.93E-09	6.93E-09	8.87E-09	1.04E-09	3.22E-09	4.26E-09
3908	438403.45	3762683.67	1.22E-08	4.16E-08	5.38E-08	1.90E-09	6.80E-09	8.70E-09	1.02E-09	3.15E-09	4.18E-09
3909	438403.45	3762674.65	1.2E-08	4.08E-08	5.28E-08	1.86E-09	6.67E-09	8.53E-09	1.00E-09	3.09E-09	4.09E-09
3910	438443.45	3762710.71	1.19E-08	4.07E-08	5.26E-08	1.85E-09	6.65E-09	8.50E-09	9.98E-10	3.08E-09	4.08E-09
3911	438443.45	3762701.7	1.17E-08	4.00E-08	5.17E-08	1.82E-09	6.53E-09	8.35E-09	9.81E-10	3.03E-09	4.01E-09
3912	438443.45	3762692.68	1.15E-08	3.92E-08	5.07E-08	1.79E-09	6.41E-09	8.20E-09	9.63E-10	2.97E-09	3.94E-09
3913	438443.45	3762683.67	1.13E-08	3.85E-08	4.98E-08	1.75E-09	6.29E-09	8.05E-09	9.45E-10	2.92E-09	3.86E-09
3914	438443.45	3762674.65	1.11E-08	3.78E-08	4.89E-08	1.72E-09	6.17E-09	7.90E-09	9.28E-10	2.86E-09	3.79E-09
3915	437433.52	3762664.69	1.99E-07	6.78E-07	8.77E-07	3.09E-08	1.11E-07	1.42E-07	1.66E-08	5.14E-08	6.80E-08
3916	437423.62	3762664.73	1.89E-07	6.46E-07	8.35E-07	2.94E-08	1.05E-07	1.35E-07	1.58E-08	4.89E-08	6.48E-08
3917	437413.73	3762664.76	1.79E-07	6.11E-07	7.90E-07	2.78E-08	9.98E-08	1.28E-07	1.50E-08	4.63E-08	6.13E-08
3918	437403.84	3762664.8	1.68E-07	5.74E-07	7.42E-07	2.62E-08	9.38E-08	1.20E-07	1.41E-08	4.35E-08	5.76E-08
3919	437393.94	3762664.84	1.58E-07	5.38E-07	6.95E-07	2.45E-08	8.78E-08	1.12E-07	1.32E-08	4.07E-08	5.39E-08
3920	437433.48	3762654.69	1.64E-07	5.59E-07	7.23E-07	2.55E-08	9.13E-08	1.17E-07	1.37E-08	4.24E-08	5.61E-08
3921	437423.59	3762654.73	1.57E-07	5.34E-07	6.91E-07	2.44E-08	8.73E-08	1.12E-07	1.31E-08	4.05E-08	5.36E-08
3922	437413.69	3762654.76	1.49E-07	5.08E-07	6.57E-07	2.31E-08	8.30E-08	1.06E-07	1.25E-08	3.85E-08	5.10E-08
3923	437403.8	3762654.8	1.41E-07	4.80E-07	6.21E-07	2.19E-08	7.85E-08	1.00E-07	1.18E-08	3.64E-08	4.82E-08
3924	437393.9	3762654.84	1.33E-07	4.53E-07	5.85E-07	2.06E-08	7.39E-08	9.46E-08	1.11E-08	3.43E-08	4.54E-08
3925	437433.44	3762644.69	1.37E-07	4.68E-07	6.06E-07	2.13E-08	7.65E-08	9.79E-08	1.15E-08	3.55E-08	4.70E-08
3926	437423.55	3762644.73	1.32E-07	4.49E-07	5.81E-07	2.05E-08	7.34E-08	9.39E-08	1.10E-08	3.40E-08	4.51E-08
3927	437413.65	3762644.76	1.26E-07	4.29E-07	5.55E-07	1.95E-08	7.01E-08	8.96E-08	1.05E-08	3.25E-08	4.30E-08
3928	437403.76	3762644.8	1.2E-07	4.08E-07	5.27E-07	1.86E-08	6.66E-08	8.52E-08	1.00E-08	3.09E-08	4.09E-08
3929	437393.86	3762644.84	1.13E-07	3.86E-07	5.00E-07	1.76E-08	6.31E-08	8.07E-08	9.48E-09	2.93E-08	3.88E-08
3930	437433.4	3762634.69	1.17E-07	3.97E-07	5.14E-07	1.81E-08	6.49E-08	8.30E-08	9.75E-09	3.01E-08	3.99E-08
3931	437423.51	3762634.73	1.12E-07	3.82E-07	4.94E-07	1.74E-08	6.25E-08	7.99E-08	9.38E-09	2.90E-08	3.84E-08
3932	437413.61	3762634.76	1.07E-07	3.66E-07	4.74E-07	1.67E-08	5.99E-08	7.66E-08	8.99E-09	2.78E-08	3.68E-08
3933	437403.72	3762634.8	1.03E-07	3.50E-07	4.53E-07	1.59E-08	5.72E-08	7.31E-08	8.59E-09	2.65E-08	3.51E-08
3934	437393.83	3762634.84	9.78E-08	3.33E-07	4.31E-07	1.52E-08	5.45E-08	6.97E-08	8.18E-09	2.53E-08	3.34E-08
3935	437433.36	3762624.69	1E-07	3.41E-07	4.41E-07	1.55E-08	5.57E-08	7.12E-08	8.37E-09	2.58E-08	3.42E-08
3936	437423.47	3762624.73	9.65E-08	3.29E-07	4.25E-07	1.50E-08	5.37E-08	6.87E-08	8.07E-09	2.49E-08	3.30E-08
3937	437413.58	3762624.76	9.28E-08	3.16E-07	4.09E-07	1.44E-08	5.17E-08	6.61E-08	7.77E-09	2.40E-08	3.17E-08
3938	437403.68	3762624.8	8.9E-08	3.03E-07	3.92E-07	1.38E-08	4.96E-08	6.34E-08	7.45E-09	2.30E-08	3.04E-08
3939	437393.79	3762624.84	8.52E-08	2.90E-07	3.76E-07	1.32E-08	4.74E-08	6.07E-08	7.13E-09	2.20E-08	2.91E-08
3940	437433.33	3762614.69	8.67E-08	2.96E-07	3.82E-07	1.35E-08	4.83E-08	6.18E-08	7.26E-09	2.24E-08	2.97E-08
3941	437423.43	3762614.73	8.39E-08	2.86E-07	3.70E-07	1.30E-08	4.67E-08	5.98E-08	7.02E-09	2.17E-08	2.87E-08
3942	437413.54	3762614.76	8.09E-08	2.76E-07	3.57E-07	1.26E-08	4.51E-08	5.77E-08	6.77E-09	2.09E-08	2.77E-08
3943	437403.64	3762614.8	7.79E-08	2.66E-07	3.44E-07	1.21E-08	4.34E-08	5.55E-08	6.52E-09	2.01E-08	2.67E-08
3944	437393.75	3762614.84	7.48E-08	2.55E-07	3.30E-07	1.16E-08	4.17E-08	5.33E-08	6.27E-09	1.93E-08	2.56E-08
3945	437433.29	3762604.69	7.59E-08	2.59E-07	3.35E-07	1.18E-08	4.23E-08	5.41E-08	6.35E-09	1.96E-08	2.60E-08
3946	437423.39	3762604.73	7.36E-08	2.51E-07	3.25E-07	1.14E-08	4.10E-08	5.24E-08	6.16E-09	1.90E-08	2.52E-08
3947	437413.5	3762604.76	7.12E-08	2.43E-07	3.14E-07	1.11E-08	3.97E-08	5.07E-08	5.96E-09	1.84E-08	2.44E-08
3948	437403.61	3762604.8	6.88E-08	2.34E-07	3.03E-07	1.07E-08	3.83E-08	4.90E-08	5.76E-09	1.78E-08	2.35E-08
3949	437393.71	3762604.84	6.63E-08	2.26E-07	2.92E-07	1.03E-08	3.69E-08	4.72E-08	5.55E-09	1.71E-08	2.27E-08
3950	437475.58	3762607.98	8.79E-08	3.00E-07	3.88E-07	1.37E-08	4.90E-08	6.26E-08	7.36E-09	2.27E-08	3.01E-08
3951	437433.25	3762594.69	6.69E-08	2.28E-07	2.95E-07	1.04E-08	3.73E-08	4.77E-08	5.60E-09	1.73E-08	2.29E-08
3952	437423.35	3762594.73	6.51E-08	2.22E-07	2.87E-07	1.01E-08	3.62E-08	4.63E-08	5.45E-09	1.68E-08	2.23E-08
3953	437413.46	3762594.76	6.31E-08	2.15E-07	2.78E-07	9.80E-09	3.51E-08	4.50E-08	5.28E-09	1.63E-08	2.16E-08
3954	437403.57	3762594.8	6.11E-08	2.08E-07	2.69E-07	9.49E-09	3.40E-08	4.35E-08	5.11E-09	1.58E-08	2.09E-08
3955	437393.67	3762594.84	5.91E-08	2.01E-07	2.61E-07	9.18E-09	3.29E-08	4.21E-08	4.94E-09	1.53E-08	2.02E-08
3956	437433.21	3762584.69	5.94E-08	2.03E-07	2.62E-07	9.23E-09	3.31E-08	4.23E-08	4.97E-09	1.54E-08	2.03E-08
3957	437423.32	3762584.73	5.79E-08	1.97E-07	2.55E-07	8.99E-09	3.22E-08	4.12E-08	4.84E-09	1.50E-08	1.98E-08
3958	437413.42	3762584.76	5.63E-08	1.92E-07	2.48E-07	8.74E-09	3.13E-08	4.01E-08	4.71E-09	1.45E-08	1.92E-08
3959	437403.53	3762584.8	5.46E-08	1.86E-07	2.41E-07	8.49E-09	3.04E-08	3.89E-08	4.57E-09	1.41E-08	1.87E-08
3960	437393.63	3762584.84	5.29E-08	1.81E-07	2.33E-07	8.23E-09	2.95E-08	3.77E-08	4.43E-09	1.37E-08	1.81E-08
3961	437478.55	3762589.23	6.93E-08	2.36E-07	3.06E-07	1.08E-08	3.86E-08	4.94E-08	5.80E-09	1.79E-08	2.37E-08

3962	437433.17	3762574.69	5.31E-08	1.81E-07	2.34E-07	8.25E-09	2.96E-08	3.78E-08	4.44E-09	1.37E-08	1.82E-08
3963	437423.28	3762574.73	5.18E-08	1.77E-07	2.28E-07	8.04E-09	2.88E-08	3.69E-08	4.33E-09	1.34E-08	1.77E-08
3964	437413.38	3762574.76	5.04E-08	1.72E-07	2.22E-07	7.84E-09	2.81E-08	3.59E-08	4.22E-09	1.30E-08	1.73E-08
3965	437403.49	3762574.8	4.91E-08	1.67E-07	2.16E-07	7.62E-09	2.73E-08	3.50E-08	4.11E-09	1.27E-08	1.68E-08
3966	437393.6	3762574.84	4.77E-08	1.63E-07	2.10E-07	7.41E-09	2.66E-08	3.40E-08	3.99E-09	1.23E-08	1.63E-08
3967	437477.05	3762568.64	5.44E-08	1.86E-07	2.40E-07	8.46E-09	3.03E-08	3.88E-08	4.56E-09	1.41E-08	1.86E-08
3968	437433.1	3762554.69	4.3E-08	1.47E-07	1.90E-07	6.68E-09	2.40E-08	3.06E-08	3.60E-09	1.11E-08	1.47E-08
3969	437423.2	3762554.73	4.21E-08	1.43E-07	1.86E-07	6.54E-09	2.34E-08	3.00E-08	3.52E-09	1.09E-08	1.44E-08
3970	437413.31	3762554.76	4.11E-08	1.40E-07	1.81E-07	6.39E-09	2.29E-08	2.93E-08	3.44E-09	1.06E-08	1.41E-08
3971	437403.41	3762554.8	4.02E-08	1.37E-07	1.77E-07	6.24E-09	2.24E-08	2.86E-08	3.36E-09	1.04E-08	1.37E-08
3972	437393.52	3762554.84	3.92E-08	1.34E-07	1.73E-07	6.09E-09	2.18E-08	2.79E-08	3.28E-09	1.01E-08	1.34E-08
3973	437479.04	3762549.49	4.47E-08	1.52E-07	1.97E-07	6.94E-09	2.49E-08	3.18E-08	3.74E-09	1.15E-08	1.53E-08
3974	437524.19	3762568.04	5.72E-08	1.95E-07	2.52E-07	8.89E-09	3.19E-08	4.08E-08	4.79E-09	1.48E-08	1.96E-08
3975	437533.22	3762571.75	5.99E-08	2.04E-07	2.64E-07	9.31E-09	3.34E-08	4.27E-08	5.01E-09	1.55E-08	2.05E-08
3976	437433.02	3762534.69	3.55E-08	1.21E-07	1.57E-07	5.52E-09	1.98E-08	2.53E-08	2.97E-09	9.18E-09	1.22E-08
3977	437423.12	3762534.73	3.48E-08	1.19E-07	1.54E-07	5.41E-09	1.94E-08	2.48E-08	2.91E-09	9.00E-09	1.19E-08
3978	437413.23	3762534.77	3.41E-08	1.16E-07	1.50E-07	5.30E-09	1.90E-08	2.43E-08	2.86E-09	8.82E-09	1.17E-08
3979	437403.34	3762534.8	3.34E-08	1.14E-07	1.47E-07	5.19E-09	1.86E-08	2.38E-08	2.80E-09	8.63E-09	1.14E-08
3980	437393.44	3762534.84	3.27E-08	1.12E-07	1.44E-07	5.08E-09	1.82E-08	2.33E-08	2.74E-09	8.45E-09	1.12E-08
3981	437477.77	3762529	3.66E-08	1.25E-07	1.61E-07	5.69E-09	2.04E-08	2.61E-08	3.07E-09	9.46E-09	1.25E-08
3982	437530.17	3762550.53	4.79E-08	1.63E-07	2.11E-07	7.44E-09	2.67E-08	3.41E-08	4.01E-09	1.24E-08	1.64E-08
3983	437432.94	3762514.69	2.98E-08	1.02E-07	1.32E-07	4.63E-09	1.66E-08	2.12E-08	2.50E-09	7.70E-09	1.02E-08
3984	437423.05	3762514.73	2.93E-08	9.98E-08	1.29E-07	4.55E-09	1.63E-08	2.09E-08	2.45E-09	7.57E-09	1.00E-08
3985	437413.15	3762514.77	2.87E-08	9.80E-08	1.27E-07	4.47E-09	1.60E-08	2.05E-08	2.41E-09	7.43E-09	9.83E-09
3986	437403.26	3762514.8	2.82E-08	9.61E-08	1.24E-07	4.38E-09	1.57E-08	2.01E-08	2.36E-09	7.29E-09	9.65E-09
3987	437393.37	3762514.84	2.77E-08	9.43E-08	1.22E-07	4.30E-09	1.54E-08	1.97E-08	2.32E-09	7.15E-09	9.46E-09
3988	437479.25	3762509.64	3.09E-08	1.05E-07	1.36E-07	4.80E-09	1.72E-08	2.20E-08	2.59E-09	7.99E-09	1.06E-08
3989	437524.87	3762528.39	3.86E-08	1.32E-07	1.70E-07	6.00E-09	2.15E-08	2.75E-08	3.23E-09	9.98E-09	1.32E-08
3990	437432.86	3762494.69	2.53E-08	8.64E-08	1.12E-07	3.94E-09	1.41E-08	1.81E-08	2.12E-09	6.55E-09	8.67E-09
3991	437422.97	3762494.73	2.49E-08	8.50E-08	1.10E-07	3.87E-09	1.39E-08	1.78E-08	2.09E-09	6.44E-09	8.53E-09
3992	437413.08	3762494.77	2.45E-08	8.36E-08	1.08E-07	3.81E-09	1.37E-08	1.75E-08	2.05E-09	6.33E-09	8.38E-09
3993	437403.18	3762494.8	2.41E-08	8.21E-08	1.06E-07	3.74E-09	1.34E-08	1.72E-08	2.02E-09	6.22E-09	8.24E-09
3994	437393.29	3762494.84	2.37E-08	8.08E-08	1.04E-07	3.68E-09	1.32E-08	1.69E-08	1.98E-09	6.12E-09	8.10E-09
3995	437478.16	3762489.23	2.61E-08	8.90E-08	1.15E-07	4.06E-09	1.45E-08	1.86E-08	2.18E-09	6.74E-09	8.93E-09
3996	437531.38	3762511.09	3.33E-08	1.14E-07	1.47E-07	5.18E-09	1.86E-08	2.37E-08	2.79E-09	8.61E-09	1.14E-08
3997	437610.35	3762594.95	7.29E-08	2.48E-07	3.21E-07	1.13E-08	4.06E-08	5.19E-08	6.10E-09	1.88E-08	2.49E-08
3998	437617.7	3762612.66	8.7E-08	2.97E-07	3.84E-07	1.35E-08	4.85E-08	6.20E-08	7.28E-09	2.25E-08	2.98E-08
3999	437632.42	3762648.08	1.26E-07	4.29E-07	5.54E-07	1.95E-08	7.00E-08	8.95E-08	1.05E-08	3.25E-08	4.30E-08
4000	437432.79	3762474.69	2.18E-08	7.43E-08	9.61E-08	3.38E-09	1.21E-08	1.55E-08	1.82E-09	5.63E-09	7.45E-09
4001	437422.89	3762474.73	2.15E-08	7.31E-08	9.46E-08	3.33E-09	1.19E-08	1.53E-08	1.80E-09	5.54E-09	7.34E-09
4002	437413	3762474.77	2.11E-08	7.20E-08	9.32E-08	3.28E-09	1.18E-08	1.50E-08	1.77E-09	5.46E-09	7.23E-09
4003	437403.11	3762474.8	2.08E-08	7.09E-08	9.17E-08	3.23E-09	1.16E-08	1.48E-08	1.74E-09	5.37E-09	7.11E-09
4004	437393.21	3762474.84	2.05E-08	6.98E-08	9.03E-08	3.18E-09	1.14E-08	1.46E-08	1.71E-09	5.29E-09	7.00E-09
4005	437477.3	3762468.9	2.23E-08	7.61E-08	9.84E-08	3.47E-09	1.24E-08	1.59E-08	1.87E-09	5.77E-09	7.64E-09
4006	437529.33	3762490.28	2.8E-08	9.55E-08	1.24E-07	4.35E-09	1.56E-08	2.00E-08	2.34E-09	7.24E-09	9.58E-09
4007	437623.89	3762579.4	6.06E-08	2.07E-07	2.67E-07	9.41E-09	3.37E-08	4.32E-08	5.07E-09	1.57E-08	2.07E-08
4008	437645.47	3762631.36	9.8E-08	3.34E-07	4.32E-07	1.52E-08	5.46E-08	6.98E-08	8.20E-09	2.53E-08	3.35E-08
4009	437432.71	3762454.69	1.89E-08	6.45E-08	8.34E-08	2.94E-09	1.05E-08	1.35E-08	1.58E-09	4.89E-09	6.47E-09
4010	437422.82	3762454.73	1.86E-08	6.36E-08	8.22E-08	2.90E-09	1.04E-08	1.33E-08	1.56E-09	4.82E-09	6.38E-09
4011	437412.92	3762454.77	1.84E-08	6.27E-08	8.10E-08	2.85E-09	1.02E-08	1.31E-08	1.54E-09	4.75E-09	6.29E-09
4012	437403.03	3762454.8	1.81E-08	6.18E-08	7.99E-08	2.81E-09	1.01E-08	1.29E-08	1.52E-09	4.68E-09	6.20E-09
4013	437393.14	3762454.84	1.79E-08	6.09E-08	7.87E-08	2.77E-09	9.95E-09	1.27E-08	1.49E-09	4.61E-09	6.11E-09
4014	437478.38	3762449.38	1.94E-08	6.63E-08	8.57E-08	3.02E-09	1.08E-08	1.39E-08	1.63E-09	5.02E-09	6.65E-09
4015	437523.2	3762467.79	2.34E-08	7.99E-08	1.03E-07	3.64E-09	1.31E-08	1.67E-08	1.96E-09	6.06E-09	8.02E-09
4016	437532.16	3762471.48	2.43E-08	8.29E-08	1.07E-07	3.78E-09	1.35E-08	1.73E-08	2.03E-09	6.28E-09	8.32E-09
4017	437616.55	3762513.57	3.43E-08	1.17E-07	1.51E-07	5.34E-09	1.91E-08	2.45E-08	2.88E-09	8.88E-09	1.18E-08
4018	437627.7	3762540.41	4.23E-08	1.44E-07	1.87E-07	6.58E-09	2.36E-08	3.02E-08	3.54E-09	1.09E-08	1.45E-08
4019	437657.43	3762612.01	7.66E-08	2.61E-07	3.38E-07	1.19E-08	4.27E-08	5.46E-08	6.42E-09	1.98E-08	2.62E-08
4020	437432.63	3762434.69	1.65E-08	5.64E-08	7.30E-08	2.57E-09	9.22E-09	1.18E-08	1.39E-09	4.28E-09	5.66E-09
4021	437422.74	3762434.73	1.63E-08	5.57E-08	7.20E-08	2.54E-09	9.10E-09	1.16E-08	1.37E-09	4.22E-09	5.59E-09
4022	437412.85	3762434.77	1.61E-08	5.49E-08	7.11E-08	2.50E-09	8.98E-09	1.15E-08	1.35E-09	4.16E-09	5.51E-09

4023	437402.95	3762434.8	1.59E-08	5.42E-08	7.01E-08	2.47E-09	8.86E-09	1.13E-08	1.33E-09	4.11E-09	5.44E-09
4024	437393.06	3762434.84	1.57E-08	5.35E-08	6.92E-08	2.44E-09	8.74E-09	1.12E-08	1.31E-09	4.05E-09	5.37E-09
4025	437477.59	3762429.09	1.7E-08	5.78E-08	7.48E-08	2.63E-09	9.45E-09	1.21E-08	1.42E-09	4.38E-09	5.80E-09
4026	437530.31	3762450.75	2.09E-08	7.13E-08	9.22E-08	3.25E-09	1.16E-08	1.49E-08	1.75E-09	5.40E-09	7.15E-09
4027	437641.52	3762525.54	3.69E-08	1.26E-07	1.63E-07	5.73E-09	2.05E-08	2.63E-08	3.09E-09	9.53E-09	1.26E-08
4028	437659.73	3762569.39	5.13E-08	1.75E-07	2.26E-07	7.97E-09	2.86E-08	3.66E-08	4.29E-09	1.33E-08	1.76E-08
4029	437674.3	3762604.48	6.75E-08	2.30E-07	2.98E-07	1.05E-08	3.76E-08	4.81E-08	5.65E-09	1.74E-08	2.31E-08
4030	437681.59	3762622.02	7.76E-08	2.65E-07	3.42E-07	1.21E-08	4.33E-08	5.53E-08	6.50E-09	2.01E-08	2.66E-08
4031	437432.56	3762414.69	1.46E-08	4.98E-08	6.44E-08	2.27E-09	8.13E-09	1.04E-08	1.22E-09	3.77E-09	4.99E-09
4032	437422.66	3762414.73	1.44E-08	4.92E-08	6.36E-08	2.24E-09	8.03E-09	1.03E-08	1.21E-09	3.72E-09	4.93E-09
4033	437412.77	3762414.77	1.42E-08	4.85E-08	6.28E-08	2.21E-09	7.93E-09	1.01E-08	1.19E-09	3.68E-09	4.87E-09
4034	437402.88	3762414.8	1.41E-08	4.79E-08	6.20E-08	2.18E-09	7.83E-09	1.00E-08	1.18E-09	3.63E-09	4.81E-09
4035	437392.98	3762414.84	1.39E-08	4.74E-08	6.13E-08	2.16E-09	7.74E-09	9.90E-09	1.16E-09	3.59E-09	4.75E-09
4036	437460.44	3762402.07	1.4E-08	4.78E-08	6.18E-08	2.18E-09	7.81E-09	9.99E-09	1.17E-09	3.62E-09	4.80E-09
4037	437469.47	3762405.78	1.45E-08	4.94E-08	6.39E-08	2.25E-09	8.08E-09	1.03E-08	1.21E-09	3.75E-09	4.96E-09
4038	437478.5	3762409.49	1.5E-08	5.12E-08	6.62E-08	2.33E-09	8.36E-09	1.07E-08	1.26E-09	3.88E-09	5.13E-09
4039	437523.65	3762428.05	1.78E-08	6.07E-08	7.85E-08	2.77E-09	9.92E-09	1.27E-08	1.49E-09	4.60E-09	6.09E-09
4040	437532.69	3762431.76	1.84E-08	6.28E-08	8.12E-08	2.86E-09	1.03E-08	1.31E-08	1.54E-09	4.76E-09	6.30E-09
4041	437656.04	3762512.35	3.28E-08	1.12E-07	1.45E-07	5.09E-09	1.83E-08	2.34E-08	2.74E-09	8.47E-09	1.12E-08
4042	437686	3762584.48	5.46E-08	1.86E-07	2.41E-07	8.49E-09	3.04E-08	3.89E-08	4.57E-09	1.41E-08	1.87E-08
4043	437432.48	3762394.69	1.3E-08	4.42E-08	5.72E-08	2.01E-09	7.22E-09	9.24E-09	1.09E-09	3.35E-09	4.43E-09
4044	437422.59	3762394.73	1.28E-08	4.37E-08	5.65E-08	1.99E-09	7.14E-09	9.13E-09	1.07E-09	3.31E-09	4.38E-09
4045	437412.69	3762394.77	1.27E-08	4.32E-08	5.58E-08	1.97E-09	7.05E-09	9.02E-09	1.06E-09	3.27E-09	4.33E-09
4046	437402.8	3762394.8	1.25E-08	4.27E-08	5.52E-08	1.94E-09	6.97E-09	8.92E-09	1.05E-09	3.23E-09	4.28E-09
4047	437392.9	3762394.84	1.24E-08	4.22E-08	5.46E-08	1.92E-09	6.89E-09	8.82E-09	1.04E-09	3.20E-09	4.23E-09
4048	437451.17	3762378.3	1.21E-08	4.12E-08	5.33E-08	1.88E-09	6.73E-09	8.61E-09	1.01E-09	3.12E-09	4.14E-09
4049	437504.39	3762400.16	1.46E-08	4.99E-08	6.45E-08	2.27E-09	8.15E-09	1.04E-08	1.22E-09	3.78E-09	5.01E-09
4050	437513.26	3762403.81	1.51E-08	5.15E-08	6.67E-08	2.35E-09	8.42E-09	1.08E-08	1.27E-09	3.91E-09	5.17E-09
4051	437522.13	3762407.45	1.56E-08	5.32E-08	6.88E-08	2.43E-09	8.69E-09	1.11E-08	1.31E-09	4.03E-09	5.34E-09
4052	437531	3762411.09	1.61E-08	5.49E-08	7.11E-08	2.50E-09	8.98E-09	1.15E-08	1.35E-09	4.16E-09	5.51E-09
4053	437658.85	3762470.97	2.45E-08	8.37E-08	1.08E-07	3.81E-09	1.37E-08	1.75E-08	2.05E-09	6.34E-09	8.39E-09
4054	437702.99	3762577.24	4.91E-08	1.67E-07	2.16E-07	7.63E-09	2.73E-08	3.50E-08	4.11E-09	1.27E-08	1.68E-08
4055	437442.3	3762374.65	1.17E-08	4.00E-08	5.17E-08	1.82E-09	6.53E-09	8.35E-09	9.81E-10	3.03E-09	4.01E-09
4056	437432.4	3762374.69	1.16E-08	3.95E-08	5.11E-08	1.80E-09	6.46E-09	8.26E-09	9.70E-10	2.99E-09	3.96E-09
4057	437422.51	3762374.73	1.15E-08	3.91E-08	5.05E-08	1.78E-09	6.38E-09	8.16E-09	9.59E-10	2.96E-09	3.92E-09
4058	437412.62	3762374.77	1.13E-08	3.86E-08	5.00E-08	1.76E-09	6.31E-09	8.07E-09	9.49E-10	2.93E-09	3.88E-09
4059	437402.72	3762374.8	1.12E-08	3.82E-08	4.94E-08	1.74E-09	6.25E-09	7.99E-09	9.38E-10	2.90E-09	3.84E-09
4060	437392.83	3762374.84	1.11E-08	3.78E-08	4.89E-08	1.72E-09	6.18E-09	7.90E-09	9.29E-10	2.87E-09	3.79E-09
4061	437451.19	3762348.35	1.03E-08	3.51E-08	4.54E-08	1.60E-09	5.74E-09	7.34E-09	8.62E-10	2.66E-09	3.52E-09
4062	437505.23	3762370.55	1.24E-08	4.21E-08	5.45E-08	1.92E-09	6.88E-09	8.80E-09	1.03E-09	3.19E-09	4.23E-09
4063	437514.23	3762374.25	1.27E-08	4.34E-08	5.62E-08	1.98E-09	7.10E-09	9.08E-09	1.07E-09	3.29E-09	4.36E-09
4064	437523.24	3762377.95	1.31E-08	4.48E-08	5.79E-08	2.04E-09	7.32E-09	9.36E-09	1.10E-09	3.39E-09	4.49E-09
4065	437532.25	3762381.65	1.35E-08	4.62E-08	5.97E-08	2.10E-09	7.55E-09	9.65E-09	1.13E-09	3.50E-09	4.63E-09
4066	437683.82	3762458.84	2.22E-08	7.59E-08	9.81E-08	3.46E-09	1.24E-08	1.58E-08	1.86E-09	5.75E-09	7.61E-09
4067	437706.22	3762512.79	3.05E-08	1.04E-07	1.34E-07	4.74E-09	1.70E-08	2.17E-08	2.55E-09	7.88E-09	1.04E-08
4068	437713.69	3762530.78	3.39E-08	1.16E-07	1.50E-07	5.28E-09	1.89E-08	2.42E-08	2.84E-09	8.77E-09	1.16E-08
4069	437442.18	3762344.65	1E-08	3.41E-08	4.41E-08	1.56E-09	5.58E-09	7.13E-09	8.38E-10	2.59E-09	3.42E-09
4070	437432.29	3762344.69	9.9E-09	3.38E-08	4.37E-08	1.54E-09	5.52E-09	7.05E-09	8.29E-10	2.56E-09	3.39E-09
4071	437422.39	3762344.73	9.8E-09	3.34E-08	4.32E-08	1.52E-09	5.46E-09	6.98E-09	8.20E-10	2.53E-09	3.35E-09
4072	437412.5	3762344.77	9.7E-09	3.31E-08	4.28E-08	1.51E-09	5.40E-09	6.91E-09	8.12E-10	2.51E-09	3.32E-09
4073	437402.61	3762344.8	9.6E-09	3.27E-08	4.23E-08	1.49E-09	5.35E-09	6.84E-09	8.03E-10	2.48E-09	3.28E-09
4074	437392.71	3762344.84	9.51E-09	3.24E-08	4.19E-08	1.48E-09	5.30E-09	6.77E-09	7.96E-10	2.46E-09	3.25E-09
4075	437451.19	3762318.4	8.89E-09	3.03E-08	3.92E-08	1.38E-09	4.95E-09	6.33E-09	7.44E-10	2.30E-09	3.04E-09
4076	437505.93	3762340.89	1.06E-08	3.60E-08	4.66E-08	1.64E-09	5.88E-09	7.52E-09	8.84E-10	2.73E-09	3.61E-09
4077	437515.05	3762344.64	1.09E-08	3.71E-08	4.80E-08	1.69E-09	6.06E-09	7.75E-09	9.10E-10	2.81E-09	3.72E-09
4078	437524.18	3762348.39	1.12E-08	3.82E-08	4.94E-08	1.74E-09	6.24E-09	7.98E-09	9.37E-10	2.89E-09	3.83E-09
4079	437701.3	3762428.71	1.84E-08	6.27E-08	8.11E-08	2.86E-09	1.02E-08	1.31E-08	1.54E-09	4.75E-09	6.29E-09
4080	437705.09	3762437.82	1.93E-08	6.57E-08	8.50E-08	3.00E-09	1.07E-08	1.37E-08	1.61E-09	4.98E-09	6.60E-09
4081	437720.22	3762474.26	2.34E-08	7.98E-08	1.03E-07	3.64E-09	1.30E-08	1.67E-08	1.96E-09	6.05E-09	8.01E-09
4082	437742.92	3762528.91	3.15E-08	1.07E-07	1.39E-07	4.89E-09	1.75E-08	2.24E-08	2.63E-09	8.13E-09	1.08E-08
4083	437761.83	3762574.45	4.06E-08	1.38E-07	1.79E-07	6.30E-09	2.26E-08	2.89E-08	3.40E-09	1.05E-08	1.39E-08

4084	437769.4	3762592.67	4.5E-08	1.53E-07	1.98E-07	6.99E-09	2.51E-08	3.21E-08	3.77E-09	1.16E-08	1.54E-08
4085	437776.97	3762610.89	5E-08	1.70E-07	2.20E-07	7.77E-09	2.78E-08	3.56E-08	4.18E-09	1.29E-08	1.71E-08
4086	437442.07	3762314.65	8.65E-09	2.95E-08	3.81E-08	1.34E-09	4.82E-09	6.16E-09	7.24E-10	2.23E-09	2.96E-09
4087	437432.17	3762314.69	8.56E-09	2.92E-08	3.77E-08	1.33E-09	4.77E-09	6.10E-09	7.16E-10	2.21E-09	2.93E-09
4088	437422.28	3762314.73	8.48E-09	2.89E-08	3.74E-08	1.32E-09	4.72E-09	6.04E-09	7.09E-10	2.19E-09	2.90E-09
4089	437412.39	3762314.77	8.39E-09	2.86E-08	3.70E-08	1.30E-09	4.68E-09	5.98E-09	7.03E-10	2.17E-09	2.87E-09
4090	437402.49	3762314.8	8.31E-09	2.84E-08	3.67E-08	1.29E-09	4.63E-09	5.92E-09	6.96E-10	2.15E-09	2.84E-09
4091	437392.6	3762314.84	8.24E-09	2.81E-08	3.63E-08	1.28E-09	4.59E-09	5.87E-09	6.90E-10	2.13E-09	2.82E-09
4092	437450.88	3762288.32	7.74E-09	2.64E-08	3.41E-08	1.20E-09	4.31E-09	5.52E-09	6.48E-10	2.00E-09	2.65E-09
4093	437504.44	3762310.33	9.07E-09	3.09E-08	4.00E-08	1.41E-09	5.05E-09	6.46E-09	7.59E-10	2.34E-09	3.10E-09
4094	437513.37	3762313.99	9.32E-09	3.18E-08	4.11E-08	1.45E-09	5.19E-09	6.64E-09	7.80E-10	2.41E-09	3.19E-09
4095	437522.3	3762317.66	9.58E-09	3.27E-08	4.22E-08	1.49E-09	5.34E-09	6.82E-09	8.02E-10	2.47E-09	3.28E-09
4096	437531.22	3762321.33	9.84E-09	3.36E-08	4.34E-08	1.53E-09	5.48E-09	7.01E-09	8.24E-10	2.54E-09	3.37E-09
4097	437726.1	3762416.18	1.68E-08	5.73E-08	7.42E-08	2.61E-09	9.37E-09	1.20E-08	1.41E-09	4.34E-09	5.75E-09
4098	437740.9	3762451.83	2E-08	6.83E-08	8.83E-08	3.11E-09	1.12E-08	1.43E-08	1.68E-09	5.17E-09	6.85E-09
4099	437755.71	3762487.48	2.39E-08	8.14E-08	1.05E-07	3.71E-09	1.33E-08	1.70E-08	2.00E-09	6.17E-09	8.17E-09
4100	437441.95	3762284.65	7.55E-09	2.57E-08	3.33E-08	1.17E-09	4.21E-09	5.38E-09	6.32E-10	1.95E-09	2.58E-09
4101	437432.06	3762284.69	7.48E-09	2.55E-08	3.30E-08	1.16E-09	4.17E-09	5.33E-09	6.26E-10	1.93E-09	2.56E-09
4102	437422.16	3762284.73	7.41E-09	2.53E-08	3.27E-08	1.15E-09	4.13E-09	5.28E-09	6.20E-10	1.91E-09	2.53E-09
4103	437412.27	3762284.77	7.34E-09	2.50E-08	3.24E-08	1.14E-09	4.09E-09	5.23E-09	6.14E-10	1.90E-09	2.51E-09
4104	437402.38	3762284.8	7.27E-09	2.48E-08	3.21E-08	1.13E-09	4.05E-09	5.18E-09	6.09E-10	1.88E-09	2.49E-09
4105	437392.48	3762284.84	7.21E-09	2.46E-08	3.18E-08	1.12E-09	4.02E-09	5.14E-09	6.04E-10	1.86E-09	2.47E-09
4106	437450.87	3762258.36	6.82E-09	2.32E-08	3.01E-08	1.06E-09	3.80E-09	4.86E-09	5.71E-10	1.76E-09	2.33E-09
4107	437505.05	3762280.63	7.93E-09	2.70E-08	3.50E-08	1.23E-09	4.42E-09	5.65E-09	6.64E-10	2.05E-09	2.71E-09
4108	437514.09	3762284.34	8.14E-09	2.78E-08	3.59E-08	1.26E-09	4.53E-09	5.80E-09	6.81E-10	2.10E-09	2.78E-09
4109	437523.12	3762288.05	8.35E-09	2.85E-08	3.68E-08	1.30E-09	4.65E-09	5.95E-09	6.99E-10	2.16E-09	2.86E-09
4110	437532.15	3762291.76	8.57E-09	2.92E-08	3.78E-08	1.33E-09	4.78E-09	6.11E-09	7.18E-10	2.22E-09	2.93E-09
4111	437747.35	3762395.13	1.48E-08	5.06E-08	6.54E-08	2.31E-09	8.26E-09	1.06E-08	1.24E-09	3.83E-09	5.08E-09
4112	437762.33	3762431.2	1.75E-08	5.96E-08	7.70E-08	2.71E-09	9.73E-09	1.24E-08	1.46E-09	4.51E-09	5.97E-09
4113	437777.31	3762467.26	2.06E-08	7.02E-08	9.08E-08	3.20E-09	1.15E-08	1.47E-08	1.72E-09	5.32E-09	7.04E-09
4114	437441.84	3762254.65	6.66E-09	2.27E-08	2.94E-08	1.03E-09	3.71E-09	4.74E-09	5.57E-10	1.72E-09	2.28E-09
4115	437431.94	3762254.69	6.59E-09	2.25E-08	2.91E-08	1.02E-09	3.67E-09	4.70E-09	5.52E-10	1.70E-09	2.26E-09
4116	437422.05	3762254.73	6.53E-09	2.23E-08	2.88E-08	1.02E-09	3.64E-09	4.66E-09	5.47E-10	1.69E-09	2.24E-09
4117	437412.15	3762254.77	6.48E-09	2.21E-08	2.86E-08	1.01E-09	3.61E-09	4.61E-09	5.42E-10	1.67E-09	2.22E-09
4118	437402.26	3762254.81	6.42E-09	2.19E-08	2.83E-08	9.98E-10	3.58E-09	4.58E-09	5.38E-10	1.66E-09	2.20E-09
4119	437392.37	3762254.84	6.37E-09	2.17E-08	2.81E-08	9.90E-10	3.55E-09	4.54E-09	5.33E-10	1.65E-09	2.18E-09
4120	437450.84	3762228.4	6.05E-09	2.06E-08	2.67E-08	9.41E-10	3.37E-09	4.31E-09	5.07E-10	1.56E-09	2.07E-09
4121	437505.58	3762250.89	6.99E-09	2.38E-08	3.08E-08	1.09E-09	3.90E-09	4.98E-09	5.85E-10	1.81E-09	2.39E-09
4122	437514.71	3762254.64	7.17E-09	2.44E-08	3.16E-08	1.11E-09	3.99E-09	5.11E-09	6.00E-10	1.85E-09	2.45E-09
4123	437523.83	3762258.39	7.35E-09	2.51E-08	3.24E-08	1.14E-09	4.10E-09	5.24E-09	6.15E-10	1.90E-09	2.51E-09
4124	437768.6	3762374.06	1.32E-08	4.50E-08	5.82E-08	2.05E-09	7.35E-09	9.40E-09	1.10E-09	3.41E-09	4.51E-09
4125	437783.74	3762410.49	1.54E-08	5.24E-08	6.78E-08	2.39E-09	8.56E-09	1.09E-08	1.29E-09	3.97E-09	5.26E-09
4126	437798.87	3762446.93	1.79E-08	6.12E-08	7.91E-08	2.79E-09	9.99E-09	1.28E-08	1.50E-09	4.63E-09	6.14E-09
4127	437441.72	3762224.65	5.92E-09	2.02E-08	2.61E-08	9.19E-10	3.30E-09	4.22E-09	4.95E-10	1.53E-09	2.02E-09
4128	437431.83	3762224.69	5.86E-09	2.00E-08	2.59E-08	9.11E-10	3.27E-09	4.18E-09	4.91E-10	1.52E-09	2.01E-09
4129	437421.93	3762224.73	5.81E-09	1.98E-08	2.56E-08	9.03E-10	3.24E-09	4.14E-09	4.87E-10	1.50E-09	1.99E-09
4130	437412.04	3762224.77	5.77E-09	1.97E-08	2.54E-08	8.96E-10	3.21E-09	4.11E-09	4.83E-10	1.49E-09	1.97E-09
4131	437402.15	3762224.81	5.72E-09	1.95E-08	2.52E-08	8.89E-10	3.19E-09	4.07E-09	4.79E-10	1.48E-09	1.96E-09
4132	437392.25	3762224.84	5.68E-09	1.94E-08	2.50E-08	8.82E-10	3.16E-09	4.04E-09	4.75E-10	1.47E-09	1.94E-09
4133	437450.57	3762198.34	5.41E-09	1.85E-08	2.39E-08	8.41E-10	3.02E-09	3.86E-09	4.53E-10	1.40E-09	1.85E-09
4134	437504.35	3762220.43	6.19E-09	2.11E-08	2.73E-08	9.62E-10	3.45E-09	4.41E-09	5.18E-10	1.60E-09	2.12E-09
4135	437513.31	3762224.11	6.34E-09	2.16E-08	2.79E-08	9.85E-10	3.53E-09	4.51E-09	5.30E-10	1.64E-09	2.17E-09
4136	437522.28	3762227.8	6.49E-09	2.21E-08	2.86E-08	1.01E-09	3.61E-09	4.62E-09	5.43E-10	1.68E-09	2.22E-09
4137	437789.64	3762352.49	1.18E-08	4.02E-08	5.20E-08	1.83E-09	6.57E-09	8.40E-09	9.87E-10	3.05E-09	4.03E-09
4138	437804.51	3762388.28	1.36E-08	4.62E-08	5.98E-08	2.11E-09	7.55E-09	9.66E-09	1.13E-09	3.50E-09	4.64E-09
4139	437819.38	3762424.08	1.56E-08	5.32E-08	6.88E-08	2.43E-09	8.70E-09	1.11E-08	1.31E-09	4.03E-09	5.34E-09
4140	437441.61	3762194.65	5.3E-09	1.81E-08	2.34E-08	8.24E-10	2.95E-09	3.78E-09	4.44E-10	1.37E-09	1.81E-09
4141	437431.71	3762194.69	5.26E-09	1.79E-08	2.32E-08	8.17E-10	2.93E-09	3.74E-09	4.40E-10	1.36E-09	1.80E-09
4142	437421.82	3762194.73	5.21E-09	1.78E-08	2.30E-08	8.10E-10	2.90E-09	3.71E-09	4.36E-10	1.35E-09	1.78E-09
4143	437411.92	3762194.77	5.17E-09	1.76E-08	2.28E-08	8.03E-10	2.88E-09	3.68E-09	4.33E-10	1.34E-09	1.77E-09
4144	437402.03	3762194.81	5.13E-09	1.75E-08	2.26E-08	7.97E-10	2.86E-09	3.66E-09	4.29E-10	1.33E-09	1.76E-09

4145	437392.14	3762194.84	5.09E-09	1.74E-08	2.25E-08	7.91E-10	2.84E-09	3.63E-09	4.26E-10	1.32E-09	1.74E-09
4146	437450.54	3762168.37	4.88E-09	1.66E-08	2.15E-08	7.58E-10	2.72E-09	3.48E-09	4.08E-10	1.26E-09	1.67E-09
4147	437504.82	3762190.67	5.55E-09	1.89E-08	2.45E-08	8.62E-10	3.09E-09	3.95E-09	4.64E-10	1.43E-09	1.90E-09
4148	437513.87	3762194.39	5.67E-09	1.93E-08	2.50E-08	8.81E-10	3.16E-09	4.04E-09	4.75E-10	1.47E-09	1.94E-09
4149	437522.92	3762198.11	5.8E-09	1.98E-08	2.56E-08	9.01E-10	3.23E-09	4.13E-09	4.86E-10	1.50E-09	1.98E-09
4150	437810.88	3762331.4	1.06E-08	3.62E-08	4.69E-08	1.65E-09	5.92E-09	7.57E-09	8.89E-10	2.75E-09	3.63E-09
4151	437825.89	3762367.53	1.21E-08	4.13E-08	5.34E-08	1.88E-09	6.75E-09	8.63E-09	1.01E-09	3.13E-09	4.15E-09
4152	437840.9	3762403.66	1.38E-08	4.72E-08	6.10E-08	2.15E-09	7.71E-09	9.86E-09	1.16E-09	3.58E-09	4.73E-09
4153	437923.44	3762602.39	2.98E-08	1.02E-07	1.32E-07	4.64E-09	1.66E-08	2.13E-08	2.50E-09	7.71E-09	1.02E-08
4154	437441.49	3762164.65	4.78E-09	1.63E-08	2.11E-08	7.43E-10	2.66E-09	3.41E-09	4.00E-10	1.24E-09	1.64E-09
4155	437431.6	3762164.69	4.74E-09	1.62E-08	2.09E-08	7.37E-10	2.64E-09	3.38E-09	3.97E-10	1.23E-09	1.62E-09
4156	437421.7	3762164.73	4.71E-09	1.60E-08	2.08E-08	7.31E-10	2.62E-09	3.35E-09	3.94E-10	1.22E-09	1.61E-09
4157	437411.81	3762164.77	4.67E-09	1.59E-08	2.06E-08	7.26E-10	2.60E-09	3.33E-09	3.91E-10	1.21E-09	1.60E-09
4158	437401.92	3762164.81	4.64E-09	1.58E-08	2.04E-08	7.20E-10	2.58E-09	3.30E-09	3.88E-10	1.20E-09	1.59E-09
4159	437392.02	3762164.84	4.6E-09	1.57E-08	2.03E-08	7.15E-10	2.56E-09	3.28E-09	3.85E-10	1.19E-09	1.57E-09
4160	437450.5	3762138.4	4.43E-09	1.51E-08	1.95E-08	6.88E-10	2.47E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
4161	437505.24	3762160.89	5.01E-09	1.71E-08	2.21E-08	7.78E-10	2.79E-09	3.57E-09	4.19E-10	1.29E-09	1.71E-09
4162	437514.36	3762164.64	5.12E-09	1.74E-08	2.26E-08	7.95E-10	2.85E-09	3.65E-09	4.28E-10	1.32E-09	1.75E-09
4163	437523.49	3762168.39	5.23E-09	1.78E-08	2.31E-08	8.12E-10	2.91E-09	3.72E-09	4.38E-10	1.35E-09	1.79E-09
4164	437832.12	3762310.3	9.63E-09	3.28E-08	4.25E-08	1.50E-09	5.37E-09	6.86E-09	8.06E-10	2.49E-09	3.29E-09
4165	437847.25	3762346.73	1.09E-08	3.72E-08	4.81E-08	1.69E-09	6.08E-09	7.77E-09	9.13E-10	2.82E-09	3.73E-09
4166	437862.39	3762383.17	1.24E-08	4.22E-08	5.45E-08	1.92E-09	6.89E-09	8.81E-09	1.03E-09	3.19E-09	4.23E-09
4167	437441.38	3762134.65	4.34E-09	1.48E-08	1.91E-08	6.74E-10	2.42E-09	3.09E-09	3.63E-10	1.12E-09	1.48E-09
4168	437431.48	3762134.69	4.31E-09	1.47E-08	1.90E-08	6.69E-10	2.40E-09	3.07E-09	3.60E-10	1.11E-09	1.47E-09
4169	437421.59	3762134.73	4.27E-09	1.46E-08	1.88E-08	6.64E-10	2.38E-09	3.04E-09	3.58E-10	1.10E-09	1.46E-09
4170	437411.69	3762134.77	4.24E-09	1.45E-08	1.87E-08	6.59E-10	2.36E-09	3.02E-09	3.55E-10	1.10E-09	1.45E-09
4171	437401.8	3762134.81	4.21E-09	1.44E-08	1.86E-08	6.54E-10	2.35E-09	3.00E-09	3.53E-10	1.09E-09	1.44E-09
4172	437391.91	3762134.84	4.18E-09	1.43E-08	1.84E-08	6.50E-10	2.33E-09	2.98E-09	3.50E-10	1.08E-09	1.43E-09
4173	437450.25	3762108.35	4.04E-09	1.38E-08	1.78E-08	6.27E-10	2.25E-09	2.88E-09	3.38E-10	1.04E-09	1.38E-09
4174	437504.18	3762130.5	4.53E-09	1.55E-08	2.00E-08	7.04E-10	2.53E-09	3.23E-09	3.80E-10	1.17E-09	1.55E-09
4175	437513.17	3762134.2	4.63E-09	1.58E-08	2.04E-08	7.19E-10	2.58E-09	3.30E-09	3.87E-10	1.20E-09	1.58E-09
4176	437522.15	3762137.89	4.72E-09	1.61E-08	2.08E-08	7.34E-10	2.63E-09	3.36E-09	3.95E-10	1.22E-09	1.62E-09
4177	437853.18	3762288.77	8.77E-09	2.99E-08	3.87E-08	1.36E-09	4.88E-09	6.25E-09	7.34E-10	2.27E-09	3.00E-09
4178	437868.09	3762324.67	9.84E-09	3.35E-08	4.34E-08	1.53E-09	5.48E-09	7.01E-09	8.23E-10	2.54E-09	3.37E-09
4179	437883	3762360.56	1.1E-08	3.77E-08	4.87E-08	1.72E-09	6.15E-09	7.87E-09	9.24E-10	2.85E-09	3.78E-09
4180	437441.26	3762104.65	3.96E-09	1.35E-08	1.75E-08	6.16E-10	2.21E-09	2.82E-09	3.32E-10	1.02E-09	1.36E-09
4181	437431.37	3762104.69	3.93E-09	1.34E-08	1.73E-08	6.11E-10	2.19E-09	2.80E-09	3.29E-10	1.02E-09	1.35E-09
4182	437421.47	3762104.73	3.9E-09	1.33E-08	1.72E-08	6.07E-10	2.17E-09	2.78E-09	3.27E-10	1.01E-09	1.34E-09
4183	437411.58	3762104.77	3.88E-09	1.32E-08	1.71E-08	6.02E-10	2.16E-09	2.76E-09	3.24E-10	1.00E-09	1.33E-09
4184	437401.68	3762104.81	3.85E-09	1.31E-08	1.70E-08	5.98E-10	2.14E-09	2.74E-09	3.22E-10	9.95E-10	1.32E-09
4185	437391.79	3762104.84	3.82E-09	1.30E-08	1.69E-08	5.94E-10	2.13E-09	2.72E-09	3.20E-10	9.88E-10	1.31E-09
4186	437486.44	3762093.26	3.99E-09	1.36E-08	1.76E-08	6.20E-10	2.22E-09	2.84E-09	3.34E-10	1.03E-09	1.36E-09
4187	437495.5	3762096.98	4.06E-09	1.39E-08	1.79E-08	6.31E-10	2.26E-09	2.90E-09	3.40E-10	1.05E-09	1.39E-09
4188	437504.56	3762100.71	4.14E-09	1.41E-08	1.83E-08	6.44E-10	2.31E-09	2.95E-09	3.47E-10	1.07E-09	1.42E-09
4189	437513.61	3762104.43	4.22E-09	1.44E-08	1.86E-08	6.56E-10	2.35E-09	3.01E-09	3.53E-10	1.09E-09	1.44E-09
4190	437522.67	3762108.15	4.3E-09	1.47E-08	1.90E-08	6.69E-10	2.40E-09	3.07E-09	3.60E-10	1.11E-09	1.47E-09
4191	437889.44	3762303.84	8.96E-09	3.06E-08	3.95E-08	1.39E-09	4.99E-09	6.39E-09	7.50E-10	2.32E-09	3.07E-09
4192	437904.46	3762340.01	1E-08	3.41E-08	4.41E-08	1.55E-09	5.57E-09	7.12E-09	8.37E-10	2.58E-09	3.42E-09
4193	437921.49	3762284.71	8.17E-09	2.79E-08	3.60E-08	1.27E-09	4.55E-09	5.82E-09	6.84E-10	2.11E-09	2.80E-09
4194	437925.26	3762293.78	8.38E-09	2.86E-08	3.70E-08	1.30E-09	4.67E-09	5.97E-09	7.02E-10	2.17E-09	2.87E-09
4195	437936.56	3762320.99	9.05E-09	3.08E-08	3.99E-08	1.41E-09	5.04E-09	6.44E-09	7.57E-10	2.34E-09	3.09E-09
4196	437940.33	3762330.05	9.28E-09	3.16E-08	4.09E-08	1.44E-09	5.17E-09	6.61E-09	7.77E-10	2.40E-09	3.17E-09
4197	438002.64	3762383.78	1.02E-08	3.47E-08	4.49E-08	1.58E-09	5.67E-09	7.25E-09	8.52E-10	2.63E-09	3.48E-09
4198	438006.42	3762392.87	1.04E-08	3.55E-08	4.60E-08	1.62E-09	5.81E-09	7.43E-09	8.73E-10	2.69E-09	3.57E-09
4199	438010.19	3762401.96	1.07E-08	3.64E-08	4.71E-08	1.66E-09	5.95E-09	7.61E-09	8.94E-10	2.76E-09	3.65E-09
4200	438013.97	3762411.05	1.09E-08	3.73E-08	4.83E-08	1.70E-09	6.10E-09	7.80E-09	9.16E-10	2.83E-09	3.74E-09
4201	438017.74	3762420.14	1.12E-08	3.82E-08	4.95E-08	1.74E-09	6.25E-09	7.99E-09	9.39E-10	2.90E-09	3.84E-09
4202	438021.52	3762429.23	1.15E-08	3.92E-08	5.07E-08	1.79E-09	6.40E-09	8.19E-09	9.62E-10	2.97E-09	3.93E-09
4203	438025.29	3762438.32	1.18E-08	4.02E-08	5.20E-08	1.83E-09	6.57E-09	8.40E-09	9.87E-10	3.05E-09	4.03E-09
4204	438029.07	3762447.41	1.21E-08	4.12E-08	5.33E-08	1.88E-09	6.73E-09	8.61E-09	1.01E-09	3.12E-09	4.14E-09
4205	438032.84	3762456.5	1.24E-08	4.23E-08	5.47E-08	1.93E-09	6.91E-09	8.84E-09	1.04E-09	3.21E-09	4.24E-09

4206	438036.62	3762465.59	1.27E-08	4.34E-08	5.61E-08	1.98E-09	7.09E-09	9.07E-09	1.07E-09	3.29E-09	4.36E-09
4207	438040.39	3762474.68	1.31E-08	4.46E-08	5.76E-08	2.03E-09	7.28E-09	9.31E-09	1.09E-09	3.38E-09	4.47E-09
4208	438044.17	3762483.77	1.34E-08	4.58E-08	5.92E-08	2.09E-09	7.48E-09	9.56E-09	1.12E-09	3.47E-09	4.59E-09
4209	438047.94	3762492.86	1.38E-08	4.70E-08	6.08E-08	2.14E-09	7.68E-09	9.82E-09	1.15E-09	3.56E-09	4.72E-09
4210	438051.72	3762501.95	1.42E-08	4.83E-08	6.24E-08	2.20E-09	7.89E-09	1.01E-08	1.19E-09	3.66E-09	4.84E-09
4211	438055.49	3762511.04	1.46E-08	4.96E-08	6.42E-08	2.26E-09	8.11E-09	1.04E-08	1.22E-09	3.76E-09	4.98E-09
4212	438059.27	3762520.12	1.5E-08	5.10E-08	6.59E-08	2.32E-09	8.33E-09	1.07E-08	1.25E-09	3.86E-09	5.11E-09
4213	438063.04	3762529.21	1.54E-08	5.24E-08	6.78E-08	2.39E-09	8.56E-09	1.09E-08	1.29E-09	3.97E-09	5.26E-09
4214	438066.82	3762538.3	1.58E-08	5.38E-08	6.96E-08	2.45E-09	8.80E-09	1.12E-08	1.32E-09	4.08E-09	5.40E-09
4215	438070.6	3762547.39	1.62E-08	5.53E-08	7.15E-08	2.52E-09	9.04E-09	1.16E-08	1.36E-09	4.19E-09	5.55E-09
4216	438074.37	3762556.48	1.67E-08	5.68E-08	7.35E-08	2.59E-09	9.28E-09	1.19E-08	1.39E-09	4.31E-09	5.70E-09
4217	438078.15	3762565.57	1.71E-08	5.84E-08	7.55E-08	2.66E-09	9.53E-09	1.22E-08	1.43E-09	4.42E-09	5.85E-09
4218	438081.92	3762574.66	1.76E-08	5.99E-08	7.75E-08	2.73E-09	9.79E-09	1.25E-08	1.47E-09	4.54E-09	6.01E-09
4219	438085.7	3762583.75	1.8E-08	6.15E-08	7.96E-08	2.80E-09	1.01E-08	1.29E-08	1.51E-09	4.66E-09	6.17E-09
4220	438089.47	3762592.84	1.85E-08	6.32E-08	8.17E-08	2.88E-09	1.03E-08	1.32E-08	1.55E-09	4.79E-09	6.34E-09
4221	438093.25	3762601.93	1.9E-08	6.48E-08	8.39E-08	2.95E-09	1.06E-08	1.35E-08	1.59E-09	4.91E-09	6.51E-09
4222	438097.02	3762611.02	1.95E-08	6.65E-08	8.61E-08	3.03E-09	1.09E-08	1.39E-08	1.63E-09	5.04E-09	6.68E-09
4223	438100.8	3762620.11	2E-08	6.82E-08	8.82E-08	3.11E-09	1.11E-08	1.43E-08	1.67E-09	5.17E-09	6.85E-09
4224	438104.57	3762629.2	2.05E-08	6.99E-08	9.04E-08	3.19E-09	1.14E-08	1.46E-08	1.72E-09	5.30E-09	7.02E-09
4225	438108.35	3762638.29	2.1E-08	7.16E-08	9.26E-08	3.26E-09	1.17E-08	1.50E-08	1.76E-09	5.43E-09	7.19E-09
4226	438112.12	3762647.38	2.15E-08	7.33E-08	9.48E-08	3.34E-09	1.20E-08	1.53E-08	1.80E-09	5.56E-09	7.35E-09
4227	438115.9	3762656.47	2.2E-08	7.50E-08	9.70E-08	3.42E-09	1.22E-08	1.57E-08	1.84E-09	5.68E-09	7.52E-09
4228	438119.67	3762665.56	2.25E-08	7.66E-08	9.91E-08	3.49E-09	1.25E-08	1.60E-08	1.88E-09	5.81E-09	7.69E-09
4229	437981.85	3762237.43	6.74E-09	2.30E-08	2.97E-08	1.05E-09	3.76E-09	4.80E-09	5.64E-10	1.74E-09	2.31E-09
4230	437985.64	3762246.54	6.89E-09	2.35E-08	3.04E-08	1.07E-09	3.84E-09	4.91E-09	5.77E-10	1.78E-09	2.36E-09
4231	437996.99	3762273.86	7.36E-09	2.51E-08	3.25E-08	1.14E-09	4.10E-09	5.24E-09	6.16E-10	1.90E-09	2.52E-09
4232	438000.77	3762282.97	7.52E-09	2.57E-08	3.32E-08	1.17E-09	4.19E-09	5.36E-09	6.30E-10	1.94E-09	2.57E-09
4233	438004.55	3762292.08	7.69E-09	2.62E-08	3.39E-08	1.19E-09	4.28E-09	5.48E-09	6.44E-10	1.99E-09	2.63E-09
4234	438008.34	3762301.19	7.86E-09	2.68E-08	3.47E-08	1.22E-09	4.38E-09	5.60E-09	6.58E-10	2.03E-09	2.69E-09
4235	438012.12	3762310.3	8.03E-09	2.74E-08	3.54E-08	1.25E-09	4.48E-09	5.72E-09	6.73E-10	2.08E-09	2.75E-09
4236	438015.9	3762319.41	8.21E-09	2.80E-08	3.62E-08	1.28E-09	4.57E-09	5.85E-09	6.87E-10	2.12E-09	2.81E-09
4237	438019.69	3762328.52	8.39E-09	2.86E-08	3.70E-08	1.30E-09	4.68E-09	5.98E-09	7.03E-10	2.17E-09	2.87E-09
4238	438042.39	3762383.17	9.59E-09	3.27E-08	4.23E-08	1.49E-09	5.34E-09	6.83E-09	8.02E-10	2.48E-09	3.28E-09
4239	438046.17	3762392.28	9.81E-09	3.34E-08	4.32E-08	1.52E-09	5.46E-09	6.99E-09	8.21E-10	2.53E-09	3.35E-09
4240	438049.95	3762401.39	1E-08	3.42E-08	4.42E-08	1.56E-09	5.59E-09	7.15E-09	8.40E-10	2.59E-09	3.43E-09
4241	438053.74	3762410.49	1.03E-08	3.50E-08	4.53E-08	1.59E-09	5.72E-09	7.31E-09	8.59E-10	2.65E-09	3.51E-09
4242	438057.52	3762419.6	1.05E-08	3.58E-08	4.63E-08	1.63E-09	5.85E-09	7.48E-09	8.79E-10	2.71E-09	3.59E-09
4243	438061.3	3762428.71	1.08E-08	3.67E-08	4.74E-08	1.67E-09	5.99E-09	7.66E-09	9.00E-10	2.78E-09	3.68E-09
4244	438065.09	3762437.82	1.1E-08	3.76E-08	4.86E-08	1.71E-09	6.14E-09	7.85E-09	9.22E-10	2.85E-09	3.77E-09
4245	438068.87	3762446.93	1.13E-08	3.85E-08	4.98E-08	1.75E-09	6.29E-09	8.04E-09	9.45E-10	2.92E-09	3.86E-09
4246	438072.65	3762456.04	1.16E-08	3.94E-08	5.10E-08	1.80E-09	6.44E-09	8.24E-09	9.68E-10	2.99E-09	3.96E-09
4247	438076.44	3762465.15	1.19E-08	4.04E-08	5.23E-08	1.84E-09	6.61E-09	8.45E-09	9.92E-10	3.06E-09	4.06E-09
4248	438080.22	3762474.26	1.22E-08	4.15E-08	5.36E-08	1.89E-09	6.77E-09	8.66E-09	1.02E-09	3.14E-09	4.16E-09
4249	438084	3762483.36	1.25E-08	4.25E-08	5.50E-08	1.94E-09	6.95E-09	8.88E-09	1.04E-09	3.22E-09	4.27E-09
4250	438087.79	3762492.47	1.28E-08	4.36E-08	5.64E-08	1.99E-09	7.12E-09	9.11E-09	1.07E-09	3.30E-09	4.38E-09
4251	438091.57	3762501.58	1.31E-08	4.47E-08	5.79E-08	2.04E-09	7.31E-09	9.35E-09	1.10E-09	3.39E-09	4.49E-09
4252	438095.35	3762510.69	1.35E-08	4.59E-08	5.94E-08	2.09E-09	7.50E-09	9.59E-09	1.13E-09	3.48E-09	4.61E-09
4253	438099.13	3762519.8	1.38E-08	4.71E-08	6.09E-08	2.15E-09	7.69E-09	9.84E-09	1.16E-09	3.57E-09	4.73E-09
4254	438102.92	3762528.91	1.42E-08	4.83E-08	6.25E-08	2.20E-09	7.89E-09	1.01E-08	1.19E-09	3.66E-09	4.85E-09
4255	438106.7	3762538.02	1.45E-08	4.96E-08	6.41E-08	2.26E-09	8.10E-09	1.04E-08	1.22E-09	3.76E-09	4.97E-09
4256	438110.48	3762547.13	1.49E-08	5.09E-08	6.58E-08	2.32E-09	8.31E-09	1.06E-08	1.25E-09	3.85E-09	5.10E-09
4257	438114.27	3762556.24	1.53E-08	5.22E-08	6.75E-08	2.38E-09	8.52E-09	1.09E-08	1.28E-09	3.95E-09	5.23E-09
4258	438118.05	3762565.34	1.57E-08	5.35E-08	6.92E-08	2.44E-09	8.74E-09	1.12E-08	1.31E-09	4.06E-09	5.37E-09
4259	438121.83	3762574.45	1.61E-08	5.49E-08	7.10E-08	2.50E-09	8.97E-09	1.15E-08	1.35E-09	4.16E-09	5.51E-09
4260	438125.62	3762583.56	1.65E-08	5.63E-08	7.28E-08	2.56E-09	9.19E-09	1.18E-08	1.38E-09	4.26E-09	5.65E-09
4261	438129.4	3762592.67	1.69E-08	5.77E-08	7.46E-08	2.63E-09	9.42E-09	1.21E-08	1.42E-09	4.37E-09	5.79E-09
4262	438133.18	3762601.78	1.73E-08	5.91E-08	7.64E-08	2.69E-09	9.66E-09	1.23E-08	1.45E-09	4.48E-09	5.93E-09
4263	438136.97	3762610.89	1.77E-08	6.05E-08	7.83E-08	2.76E-09	9.89E-09	1.26E-08	1.49E-09	4.59E-09	6.07E-09
4264	438140.75	3762620	1.82E-08	6.19E-08	8.01E-08	2.82E-09	1.01E-08	1.29E-08	1.52E-09	4.69E-09	6.21E-09
4265	438144.53	3762629.11	1.86E-08	6.34E-08	8.20E-08	2.89E-09	1.04E-08	1.32E-08	1.56E-09	4.80E-09	6.36E-09
4266	438148.32	3762638.21	1.9E-08	6.48E-08	8.38E-08	2.95E-09	1.06E-08	1.35E-08	1.59E-09	4.91E-09	6.50E-09

4267	438152.1	3762647.32	1.94E-08	6.62E-08	8.56E-08	3.02E-09	1.08E-08	1.38E-08	1.63E-09	5.02E-09	6.64E-09
4268	438155.88	3762656.43	1.98E-08	6.76E-08	8.74E-08	3.08E-09	1.10E-08	1.41E-08	1.66E-09	5.12E-09	6.78E-09
4269	438159.67	3762665.54	2.02E-08	6.90E-08	8.92E-08	3.14E-09	1.13E-08	1.44E-08	1.69E-09	5.23E-09	6.92E-09
4270	437987.4	3762154.47	5.4E-09	1.84E-08	2.38E-08	8.38E-10	3.01E-09	3.84E-09	4.52E-10	1.39E-09	1.85E-09
4271	437991.19	3762163.6	5.51E-09	1.88E-08	2.43E-08	8.56E-10	3.07E-09	3.92E-09	4.61E-10	1.42E-09	1.88E-09
4272	437994.98	3762172.72	5.62E-09	1.92E-08	2.48E-08	8.73E-10	3.13E-09	4.01E-09	4.71E-10	1.45E-09	1.92E-09
4273	438006.35	3762200.1	5.98E-09	2.04E-08	2.64E-08	9.30E-10	3.33E-09	4.26E-09	5.01E-10	1.55E-09	2.05E-09
4274	438010.14	3762209.23	6.11E-09	2.08E-08	2.69E-08	9.49E-10	3.40E-09	4.35E-09	5.11E-10	1.58E-09	2.09E-09
4275	438013.93	3762218.35	6.24E-09	2.13E-08	2.75E-08	9.69E-10	3.47E-09	4.44E-09	5.22E-10	1.61E-09	2.13E-09
4276	438025.3	3762245.73	6.63E-09	2.26E-08	2.93E-08	1.03E-09	3.70E-09	4.73E-09	5.55E-10	1.71E-09	2.27E-09
4277	438029.09	3762254.86	6.77E-09	2.31E-08	2.99E-08	1.05E-09	3.77E-09	4.82E-09	5.67E-10	1.75E-09	2.32E-09
4278	438032.88	3762263.98	6.91E-09	2.36E-08	3.05E-08	1.07E-09	3.85E-09	4.92E-09	5.78E-10	1.79E-09	2.36E-09
4279	438036.67	3762273.11	7.05E-09	2.41E-08	3.11E-08	1.10E-09	3.93E-09	5.03E-09	5.90E-10	1.82E-09	2.41E-09
4280	438040.46	3762282.23	7.2E-09	2.45E-08	3.17E-08	1.12E-09	4.01E-09	5.13E-09	6.03E-10	1.86E-09	2.46E-09
4281	438044.25	3762291.36	7.35E-09	2.51E-08	3.24E-08	1.14E-09	4.09E-09	5.23E-09	6.15E-10	1.90E-09	2.51E-09
4282	438048.04	3762300.49	7.5E-09	2.56E-08	3.31E-08	1.17E-09	4.18E-09	5.34E-09	6.28E-10	1.94E-09	2.57E-09
4283	438051.84	3762309.61	7.65E-09	2.61E-08	3.38E-08	1.19E-09	4.26E-09	5.45E-09	6.41E-10	1.98E-09	2.62E-09
4284	438055.63	3762318.74	7.81E-09	2.66E-08	3.44E-08	1.21E-09	4.35E-09	5.57E-09	6.54E-10	2.02E-09	2.67E-09
4285	438059.42	3762327.86	7.97E-09	2.72E-08	3.52E-08	1.24E-09	4.44E-09	5.68E-09	6.67E-10	2.06E-09	2.73E-09
4286	438063.21	3762336.99	8.14E-09	2.78E-08	3.59E-08	1.26E-09	4.53E-09	5.80E-09	6.81E-10	2.10E-09	2.78E-09
4287	438067	3762346.12	8.31E-09	2.83E-08	3.66E-08	1.29E-09	4.63E-09	5.92E-09	6.95E-10	2.15E-09	2.84E-09
4288	438070.79	3762355.24	8.48E-09	2.89E-08	3.74E-08	1.32E-09	4.73E-09	6.04E-09	7.10E-10	2.19E-09	2.90E-09
4289	438074.58	3762364.37	8.66E-09	2.95E-08	3.82E-08	1.35E-09	4.83E-09	6.17E-09	7.25E-10	2.24E-09	2.96E-09
4290	438078.37	3762373.49	8.85E-09	3.02E-08	3.90E-08	1.37E-09	4.93E-09	6.30E-09	7.40E-10	2.29E-09	3.03E-09
4291	438082.16	3762382.62	9.04E-09	3.08E-08	3.99E-08	1.40E-09	5.03E-09	6.44E-09	7.56E-10	2.34E-09	3.09E-09
4292	438085.95	3762391.74	9.23E-09	3.15E-08	4.07E-08	1.43E-09	5.14E-09	6.58E-09	7.73E-10	2.39E-09	3.16E-09
4293	438089.74	3762400.87	9.44E-09	3.22E-08	4.16E-08	1.47E-09	5.26E-09	6.72E-09	7.90E-10	2.44E-09	3.23E-09
4294	438093.53	3762410	9.64E-09	3.29E-08	4.25E-08	1.50E-09	5.37E-09	6.87E-09	8.07E-10	2.49E-09	3.30E-09
4295	438097.32	3762419.12	9.86E-09	3.36E-08	4.35E-08	1.53E-09	5.49E-09	7.03E-09	8.25E-10	2.55E-09	3.37E-09
4296	438101.11	3762428.25	1.01E-08	3.44E-08	4.45E-08	1.57E-09	5.62E-09	7.19E-09	8.44E-10	2.61E-09	3.45E-09
4297	438104.9	3762437.37	1.03E-08	3.52E-08	4.55E-08	1.60E-09	5.75E-09	7.35E-09	8.64E-10	2.67E-09	3.53E-09
4298	438108.69	3762446.5	1.06E-08	3.60E-08	4.66E-08	1.64E-09	5.88E-09	7.52E-09	8.84E-10	2.73E-09	3.61E-09
4299	438112.48	3762455.63	1.08E-08	3.69E-08	4.77E-08	1.68E-09	6.02E-09	7.70E-09	9.05E-10	2.79E-09	3.70E-09
4300	438116.27	3762464.75	1.11E-08	3.77E-08	4.88E-08	1.72E-09	6.17E-09	7.89E-09	9.27E-10	2.86E-09	3.79E-09
4301	438120.06	3762473.88	1.13E-08	3.87E-08	5.00E-08	1.76E-09	6.32E-09	8.08E-09	9.49E-10	2.93E-09	3.88E-09
4302	438123.85	3762483	1.16E-08	3.96E-08	5.12E-08	1.80E-09	6.47E-09	8.27E-09	9.72E-10	3.00E-09	3.97E-09
4303	438127.64	3762492.13	1.19E-08	4.06E-08	5.25E-08	1.85E-09	6.63E-09	8.48E-09	9.96E-10	3.07E-09	4.07E-09
4304	438131.43	3762501.26	1.22E-08	4.16E-08	5.38E-08	1.89E-09	6.79E-09	8.69E-09	1.02E-09	3.15E-09	4.17E-09
4305	438135.22	3762510.38	1.25E-08	4.26E-08	5.51E-08	1.94E-09	6.96E-09	8.90E-09	1.05E-09	3.23E-09	4.27E-09
4306	438139.01	3762519.51	1.28E-08	4.36E-08	5.64E-08	1.99E-09	7.13E-09	9.12E-09	1.07E-09	3.31E-09	4.38E-09
4307	438142.8	3762528.63	1.31E-08	4.47E-08	5.78E-08	2.04E-09	7.31E-09	9.34E-09	1.10E-09	3.39E-09	4.49E-09
4308	438146.59	3762537.76	1.34E-08	4.58E-08	5.93E-08	2.09E-09	7.49E-09	9.57E-09	1.12E-09	3.47E-09	4.60E-09
4309	438150.38	3762546.89	1.38E-08	4.70E-08	6.07E-08	2.14E-09	7.67E-09	9.81E-09	1.15E-09	3.56E-09	4.71E-09
4310	438154.18	3762556.01	1.41E-08	4.81E-08	6.22E-08	2.19E-09	7.86E-09	1.01E-08	1.18E-09	3.65E-09	4.83E-09
4311	438157.97	3762565.14	1.44E-08	4.93E-08	6.37E-08	2.25E-09	8.05E-09	1.03E-08	1.21E-09	3.73E-09	4.94E-09
4312	438161.76	3762574.26	1.48E-08	5.05E-08	6.53E-08	2.30E-09	8.24E-09	1.05E-08	1.24E-09	3.82E-09	5.06E-09
4313	438165.55	3762583.39	1.51E-08	5.16E-08	6.68E-08	2.35E-09	8.44E-09	1.08E-08	1.27E-09	3.91E-09	5.18E-09
4314	438169.34	3762592.52	1.55E-08	5.29E-08	6.84E-08	2.41E-09	8.63E-09	1.10E-08	1.30E-09	4.01E-09	5.30E-09
4315	438173.13	3762601.64	1.59E-08	5.41E-08	6.99E-08	2.46E-09	8.83E-09	1.13E-08	1.33E-09	4.10E-09	5.42E-09
4316	438176.92	3762610.77	1.62E-08	5.53E-08	7.15E-08	2.52E-09	9.03E-09	1.15E-08	1.36E-09	4.19E-09	5.55E-09
4317	438180.71	3762619.89	1.66E-08	5.65E-08	7.30E-08	2.57E-09	9.23E-09	1.18E-08	1.39E-09	4.28E-09	5.67E-09
4318	438184.5	3762629.02	1.69E-08	5.77E-08	7.46E-08	2.63E-09	9.42E-09	1.21E-08	1.42E-09	4.37E-09	5.79E-09
4319	438188.29	3762638.15	1.73E-08	5.89E-08	7.61E-08	2.68E-09	9.62E-09	1.23E-08	1.45E-09	4.46E-09	5.91E-09
4320	438192.08	3762647.27	1.76E-08	6.00E-08	7.77E-08	2.74E-09	9.81E-09	1.25E-08	1.47E-09	4.55E-09	6.02E-09
4321	438195.87	3762656.4	1.8E-08	6.12E-08	7.92E-08	2.79E-09	1.00E-08	1.28E-08	1.50E-09	4.64E-09	6.14E-09
4322	438199.66	3762665.52	1.83E-08	6.23E-08	8.06E-08	2.84E-09	1.02E-08	1.30E-08	1.53E-09	4.72E-09	6.25E-09
4323	438015.52	3762125.87	4.96E-09	1.69E-08	2.19E-08	7.70E-10	2.76E-09	3.53E-09	4.15E-10	1.28E-09	1.70E-09
4324	438019.26	3762134.87	5.05E-09	1.72E-08	2.23E-08	7.85E-10	2.81E-09	3.60E-09	4.23E-10	1.31E-09	1.73E-09
4325	438022.99	3762143.86	5.15E-09	1.76E-08	2.27E-08	8.00E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
4326	438034.2	3762170.85	5.45E-09	1.86E-08	2.40E-08	8.46E-10	3.03E-09	3.88E-09	4.56E-10	1.41E-09	1.86E-09
4327	438037.94	3762179.85	5.55E-09	1.89E-08	2.45E-08	8.63E-10	3.09E-09	3.96E-09	4.65E-10	1.43E-09	1.90E-09

4328	438041.68	3762188.85	5.66E-09	1.93E-08	2.50E-08	8.79E-10	3.15E-09	4.03E-09	4.74E-10	1.46E-09	1.94E-09
4329	438052.89	3762215.84	5.99E-09	2.04E-08	2.64E-08	9.31E-10	3.34E-09	4.27E-09	5.02E-10	1.55E-09	2.05E-09
4330	438056.62	3762224.83	6.11E-09	2.08E-08	2.69E-08	9.49E-10	3.40E-09	4.35E-09	5.11E-10	1.58E-09	2.09E-09
4331	438060.36	3762233.83	6.22E-09	2.12E-08	2.75E-08	9.67E-10	3.47E-09	4.43E-09	5.21E-10	1.61E-09	2.13E-09
4332	438064.1	3762242.82	6.34E-09	2.16E-08	2.80E-08	9.86E-10	3.53E-09	4.52E-09	5.31E-10	1.64E-09	2.17E-09
4333	438067.83	3762251.82	6.47E-09	2.20E-08	2.85E-08	1.00E-09	3.60E-09	4.61E-09	5.41E-10	1.67E-09	2.21E-09
4334	438071.57	3762260.82	6.59E-09	2.25E-08	2.91E-08	1.02E-09	3.67E-09	4.69E-09	5.52E-10	1.70E-09	2.25E-09
4335	438075.31	3762269.81	6.71E-09	2.29E-08	2.96E-08	1.04E-09	3.74E-09	4.78E-09	5.62E-10	1.73E-09	2.30E-09
4336	438079.04	3762278.81	6.84E-09	2.33E-08	3.02E-08	1.06E-09	3.81E-09	4.87E-09	5.73E-10	1.77E-09	2.34E-09
4337	438082.78	3762287.81	6.97E-09	2.38E-08	3.07E-08	1.08E-09	3.88E-09	4.97E-09	5.83E-10	1.80E-09	2.38E-09
4338	438086.52	3762296.8	7.1E-09	2.42E-08	3.13E-08	1.10E-09	3.96E-09	5.06E-09	5.95E-10	1.84E-09	2.43E-09
4339	438090.25	3762305.8	7.24E-09	2.47E-08	3.19E-08	1.12E-09	4.03E-09	5.16E-09	6.06E-10	1.87E-09	2.48E-09
4340	438093.99	3762314.8	7.38E-09	2.51E-08	3.25E-08	1.15E-09	4.11E-09	5.25E-09	6.17E-10	1.91E-09	2.52E-09
4341	438097.72	3762323.79	7.52E-09	2.56E-08	3.31E-08	1.17E-09	4.19E-09	5.35E-09	6.29E-10	1.94E-09	2.57E-09
4342	438101.46	3762332.79	7.66E-09	2.61E-08	3.38E-08	1.19E-09	4.27E-09	5.46E-09	6.41E-10	1.98E-09	2.62E-09
4343	438105.2	3762341.78	7.81E-09	2.66E-08	3.44E-08	1.21E-09	4.35E-09	5.56E-09	6.54E-10	2.02E-09	2.67E-09
4344	438108.93	3762350.78	7.96E-09	2.71E-08	3.51E-08	1.24E-09	4.43E-09	5.67E-09	6.66E-10	2.06E-09	2.72E-09
4345	438112.67	3762359.78	8.12E-09	2.77E-08	3.58E-08	1.26E-09	4.52E-09	5.78E-09	6.79E-10	2.10E-09	2.78E-09
4346	438116.41	3762368.77	8.28E-09	2.82E-08	3.65E-08	1.29E-09	4.61E-09	5.90E-09	6.93E-10	2.14E-09	2.83E-09
4347	438120.14	3762377.77	8.45E-09	2.88E-08	3.72E-08	1.31E-09	4.70E-09	6.02E-09	7.07E-10	2.18E-09	2.89E-09
4348	438123.88	3762386.77	8.62E-09	2.94E-08	3.80E-08	1.34E-09	4.80E-09	6.14E-09	7.21E-10	2.23E-09	2.95E-09
4349	438127.62	3762395.76	8.79E-09	3.00E-08	3.88E-08	1.37E-09	4.90E-09	6.26E-09	7.36E-10	2.27E-09	3.01E-09
4350	438131.35	3762404.76	8.98E-09	3.06E-08	3.96E-08	1.39E-09	5.00E-09	6.40E-09	7.51E-10	2.32E-09	3.07E-09
4351	438135.09	3762413.76	9.17E-09	3.13E-08	4.04E-08	1.42E-09	5.11E-09	6.53E-09	7.67E-10	2.37E-09	3.14E-09
4352	438138.83	3762422.75	9.36E-09	3.19E-08	4.13E-08	1.45E-09	5.21E-09	6.67E-09	7.84E-10	2.42E-09	3.20E-09
4353	438142.56	3762431.75	9.56E-09	3.26E-08	4.22E-08	1.49E-09	5.33E-09	6.81E-09	8.00E-10	2.47E-09	3.27E-09
4354	438146.3	3762440.74	9.77E-09	3.33E-08	4.31E-08	1.52E-09	5.44E-09	6.96E-09	8.18E-10	2.53E-09	3.34E-09
4355	438150.04	3762449.74	9.99E-09	3.41E-08	4.41E-08	1.55E-09	5.56E-09	7.12E-09	8.36E-10	2.58E-09	3.42E-09
4356	438153.77	3762458.74	1.02E-08	3.48E-08	4.50E-08	1.59E-09	5.69E-09	7.28E-09	8.55E-10	2.64E-09	3.49E-09
4357	438157.51	3762467.73	1.04E-08	3.56E-08	4.61E-08	1.62E-09	5.82E-09	7.44E-09	8.74E-10	2.70E-09	3.57E-09
4358	438161.25	3762476.73	1.07E-08	3.64E-08	4.71E-08	1.66E-09	5.95E-09	7.61E-09	8.94E-10	2.76E-09	3.65E-09
4359	438164.98	3762485.73	1.09E-08	3.73E-08	4.82E-08	1.70E-09	6.09E-09	7.79E-09	9.15E-10	2.82E-09	3.74E-09
4360	438168.72	3762494.72	1.12E-08	3.81E-08	4.93E-08	1.74E-09	6.23E-09	7.97E-09	9.36E-10	2.89E-09	3.82E-09
4361	438172.46	3762503.72	1.14E-08	3.90E-08	5.04E-08	1.78E-09	6.37E-09	8.15E-09	9.57E-10	2.96E-09	3.91E-09
4362	438176.19	3762512.72	1.17E-08	3.99E-08	5.16E-08	1.82E-09	6.52E-09	8.34E-09	9.79E-10	3.02E-09	4.00E-09
4363	438183.67	3762530.71	1.22E-08	4.18E-08	5.40E-08	1.90E-09	6.82E-09	8.73E-09	1.03E-09	3.16E-09	4.19E-09
4364	438187.4	3762539.7	1.25E-08	4.27E-08	5.53E-08	1.95E-09	6.98E-09	8.93E-09	1.05E-09	3.24E-09	4.29E-09
4365	438191.14	3762548.7	1.28E-08	4.37E-08	5.65E-08	1.99E-09	7.14E-09	9.13E-09	1.07E-09	3.31E-09	4.38E-09
4366	438194.87	3762557.7	1.31E-08	4.47E-08	5.78E-08	2.04E-09	7.30E-09	9.34E-09	1.10E-09	3.39E-09	4.48E-09
4367	438198.61	3762566.69	1.34E-08	4.57E-08	5.91E-08	2.08E-09	7.46E-09	9.54E-09	1.12E-09	3.46E-09	4.58E-09
4368	438202.35	3762575.69	1.37E-08	4.67E-08	6.04E-08	2.13E-09	7.63E-09	9.76E-09	1.15E-09	3.54E-09	4.68E-09
4369	438206.08	3762584.69	1.4E-08	4.77E-08	6.17E-08	2.17E-09	7.79E-09	9.97E-09	1.17E-09	3.61E-09	4.79E-09
4370	438221.03	3762620.67	1.52E-08	5.18E-08	6.69E-08	2.36E-09	8.46E-09	1.08E-08	1.27E-09	3.92E-09	5.19E-09
4371	438224.77	3762629.67	1.55E-08	5.28E-08	6.82E-08	2.40E-09	8.62E-09	1.10E-08	1.29E-09	4.00E-09	5.29E-09
4372	438228.5	3762638.66	1.58E-08	5.38E-08	6.95E-08	2.45E-09	8.78E-09	1.12E-08	1.32E-09	4.07E-09	5.39E-09
4373	438232.24	3762647.66	1.61E-08	5.47E-08	7.08E-08	2.49E-09	8.94E-09	1.14E-08	1.34E-09	4.15E-09	5.49E-09
4374	438235.98	3762656.66	1.63E-08	5.57E-08	7.20E-08	2.54E-09	9.10E-09	1.16E-08	1.37E-09	4.22E-09	5.59E-09
4375	438239.71	3762665.65	1.66E-08	5.66E-08	7.32E-08	2.58E-09	9.25E-09	1.18E-08	1.39E-09	4.29E-09	5.68E-09
4376	438047.51	3762106.59	4.66E-09	1.59E-08	2.06E-08	7.24E-10	2.60E-09	3.32E-09	3.90E-10	1.20E-09	1.59E-09
4377	438051.26	3762115.61	4.74E-09	1.62E-08	2.09E-08	7.37E-10	2.64E-09	3.38E-09	3.97E-10	1.23E-09	1.62E-09
4378	438062.49	3762142.66	5E-09	1.71E-08	2.21E-08	7.77E-10	2.79E-09	3.56E-09	4.19E-10	1.29E-09	1.71E-09
4379	438066.24	3762151.68	5.09E-09	1.74E-08	2.25E-08	7.91E-10	2.84E-09	3.63E-09	4.26E-10	1.32E-09	1.74E-09
4380	438069.98	3762160.69	5.19E-09	1.77E-08	2.29E-08	8.06E-10	2.89E-09	3.69E-09	4.34E-10	1.34E-09	1.77E-09
4381	438081.22	3762187.74	5.47E-09	1.87E-08	2.41E-08	8.50E-10	3.05E-09	3.90E-09	4.58E-10	1.41E-09	1.87E-09
4382	438084.96	3762196.76	5.57E-09	1.90E-08	2.46E-08	8.66E-10	3.10E-09	3.97E-09	4.66E-10	1.44E-09	1.91E-09
4383	438088.71	3762205.78	5.67E-09	1.93E-08	2.50E-08	8.82E-10	3.16E-09	4.04E-09	4.75E-10	1.47E-09	1.94E-09
4384	438092.45	3762214.79	5.77E-09	1.97E-08	2.55E-08	8.97E-10	3.22E-09	4.11E-09	4.83E-10	1.49E-09	1.98E-09
4385	438096.2	3762223.81	5.88E-09	2.00E-08	2.59E-08	9.13E-10	3.27E-09	4.19E-09	4.92E-10	1.52E-09	2.01E-09
4386	438099.94	3762232.83	5.98E-09	2.04E-08	2.64E-08	9.30E-10	3.33E-09	4.26E-09	5.01E-10	1.55E-09	2.05E-09
4387	438103.69	3762241.84	6.09E-09	2.08E-08	2.69E-08	9.46E-10	3.39E-09	4.34E-09	5.10E-10	1.57E-09	2.08E-09
4388	438107.43	3762250.86	6.2E-09	2.11E-08	2.73E-08	9.63E-10	3.45E-09	4.42E-09	5.19E-10	1.60E-09	2.12E-09

4389	438111.18	3762259.88	6.31E-09	2.15E-08	2.78E-08	9.80E-10	3.51E-09	4.49E-09	5.28E-10	1.63E-09	2.16E-09
4390	438114.92	3762268.89	6.42E-09	2.19E-08	2.83E-08	9.97E-10	3.58E-09	4.57E-09	5.37E-10	1.66E-09	2.20E-09
4391	438118.67	3762277.91	6.53E-09	2.23E-08	2.88E-08	1.01E-09	3.64E-09	4.65E-09	5.47E-10	1.69E-09	2.23E-09
4392	438122.41	3762286.93	6.65E-09	2.27E-08	2.93E-08	1.03E-09	3.70E-09	4.74E-09	5.57E-10	1.72E-09	2.27E-09
4393	438126.16	3762295.94	6.77E-09	2.31E-08	2.98E-08	1.05E-09	3.77E-09	4.82E-09	5.66E-10	1.75E-09	2.31E-09
4394	438129.9	3762304.96	6.89E-09	2.35E-08	3.04E-08	1.07E-09	3.84E-09	4.91E-09	5.77E-10	1.78E-09	2.36E-09
4395	438133.65	3762313.98	7.01E-09	2.39E-08	3.09E-08	1.09E-09	3.91E-09	4.99E-09	5.87E-10	1.81E-09	2.40E-09
4396	438137.39	3762322.99	7.14E-09	2.43E-08	3.15E-08	1.11E-09	3.98E-09	5.08E-09	5.97E-10	1.84E-09	2.44E-09
4397	438141.14	3762332.01	7.27E-09	2.48E-08	3.20E-08	1.13E-09	4.05E-09	5.18E-09	6.08E-10	1.88E-09	2.49E-09
4398	438144.88	3762341.03	7.4E-09	2.52E-08	3.26E-08	1.15E-09	4.12E-09	5.27E-09	6.19E-10	1.91E-09	2.53E-09
4399	438148.63	3762350.04	7.54E-09	2.57E-08	3.32E-08	1.17E-09	4.20E-09	5.37E-09	6.31E-10	1.95E-09	2.58E-09
4400	438152.37	3762359.06	7.68E-09	2.62E-08	3.39E-08	1.19E-09	4.28E-09	5.47E-09	6.43E-10	1.98E-09	2.63E-09
4401	438156.12	3762368.08	7.83E-09	2.67E-08	3.45E-08	1.22E-09	4.36E-09	5.58E-09	6.55E-10	2.02E-09	2.68E-09
4402	438159.86	3762377.1	7.98E-09	2.72E-08	3.52E-08	1.24E-09	4.45E-09	5.69E-09	6.68E-10	2.06E-09	2.73E-09
4403	438163.61	3762386.11	8.14E-09	2.77E-08	3.59E-08	1.26E-09	4.53E-09	5.80E-09	6.81E-10	2.10E-09	2.78E-09
4404	438167.35	3762395.13	8.3E-09	2.83E-08	3.66E-08	1.29E-09	4.62E-09	5.91E-09	6.94E-10	2.14E-09	2.84E-09
4405	438171.1	3762404.15	8.46E-09	2.89E-08	3.73E-08	1.31E-09	4.71E-09	6.03E-09	7.08E-10	2.19E-09	2.89E-09
4406	438174.84	3762413.16	8.63E-09	2.94E-08	3.81E-08	1.34E-09	4.81E-09	6.15E-09	7.23E-10	2.23E-09	2.95E-09
4407	438178.59	3762422.18	8.81E-09	3.00E-08	3.89E-08	1.37E-09	4.91E-09	6.28E-09	7.38E-10	2.28E-09	3.01E-09
4408	438182.33	3762431.2	9E-09	3.07E-08	3.97E-08	1.40E-09	5.01E-09	6.41E-09	7.53E-10	2.32E-09	3.08E-09
4409	438186.08	3762440.21	9.19E-09	3.13E-08	4.05E-08	1.43E-09	5.12E-09	6.54E-09	7.69E-10	2.37E-09	3.14E-09
4410	438189.82	3762449.23	9.38E-09	3.20E-08	4.14E-08	1.46E-09	5.23E-09	6.68E-09	7.85E-10	2.42E-09	3.21E-09
4411	438193.57	3762458.25	9.58E-09	3.27E-08	4.23E-08	1.49E-09	5.34E-09	6.83E-09	8.02E-10	2.48E-09	3.28E-09
4412	438197.31	3762467.26	9.79E-09	3.34E-08	4.32E-08	1.52E-09	5.45E-09	6.98E-09	8.19E-10	2.53E-09	3.35E-09
4413	438201.06	3762476.28	1E-08	3.41E-08	4.41E-08	1.55E-09	5.57E-09	7.13E-09	8.37E-10	2.58E-09	3.42E-09
4414	438204.8	3762485.3	1.02E-08	3.49E-08	4.51E-08	1.59E-09	5.69E-09	7.28E-09	8.56E-10	2.64E-09	3.50E-09
4415	438208.55	3762494.31	1.04E-08	3.56E-08	4.61E-08	1.62E-09	5.82E-09	7.44E-09	8.74E-10	2.70E-09	3.57E-09
4416	438223.53	3762530.38	1.14E-08	3.88E-08	5.02E-08	1.77E-09	6.35E-09	8.12E-09	9.54E-10	2.94E-09	3.90E-09
4417	438227.27	3762539.4	1.16E-08	3.97E-08	5.13E-08	1.81E-09	6.48E-09	8.29E-09	9.74E-10	3.01E-09	3.98E-09
4418	438231.02	3762548.41	1.19E-08	4.05E-08	5.24E-08	1.85E-09	6.62E-09	8.47E-09	9.95E-10	3.07E-09	4.07E-09
4419	438234.76	3762557.43	1.21E-08	4.14E-08	5.35E-08	1.89E-09	6.76E-09	8.65E-09	1.02E-09	3.14E-09	4.15E-09
4420	438238.51	3762566.45	1.24E-08	4.23E-08	5.47E-08	1.93E-09	6.91E-09	8.83E-09	1.04E-09	3.20E-09	4.24E-09
4421	438242.25	3762575.47	1.27E-08	4.31E-08	5.58E-08	1.97E-09	7.05E-09	9.01E-09	1.06E-09	3.27E-09	4.33E-09
4422	438246	3762584.48	1.29E-08	4.40E-08	5.69E-08	2.01E-09	7.19E-09	9.20E-09	1.08E-09	3.34E-09	4.42E-09
4423	437476.27	3761809.53	2.09E-09	7.12E-09	9.20E-09	3.24E-10	1.16E-09	1.49E-09	1.75E-10	5.39E-10	7.14E-10
4424	437485.32	3761813.25	2.11E-09	7.21E-09	9.32E-09	3.28E-10	1.18E-09	1.51E-09	1.77E-10	5.46E-10	7.23E-10
4425	437494.37	3761816.96	2.14E-09	7.30E-09	9.44E-09	3.33E-10	1.19E-09	1.53E-09	1.79E-10	5.53E-10	7.32E-10
4426	437503.42	3761820.68	2.17E-09	7.39E-09	9.56E-09	3.37E-10	1.21E-09	1.54E-09	1.81E-10	5.60E-10	7.42E-10
4427	437512.47	3761824.4	2.2E-09	7.49E-09	9.69E-09	3.41E-10	1.22E-09	1.56E-09	1.84E-10	5.67E-10	7.51E-10
4428	437521.52	3761828.12	2.23E-09	7.59E-09	9.81E-09	3.46E-10	1.24E-09	1.59E-09	1.86E-10	5.75E-10	7.61E-10
4429	438090.78	3762114.45	4.62E-09	1.57E-08	2.04E-08	7.17E-10	2.57E-09	3.29E-09	3.86E-10	1.19E-09	1.58E-09
4430	438094.53	3762123.49	4.69E-09	1.60E-08	2.07E-08	7.29E-10	2.62E-09	3.34E-09	3.93E-10	1.21E-09	1.61E-09
4431	438098.28	3762132.52	4.78E-09	1.63E-08	2.11E-08	7.42E-10	2.66E-09	3.40E-09	4.00E-10	1.23E-09	1.63E-09
4432	438109.54	3762159.63	5.03E-09	1.71E-08	2.22E-08	7.81E-10	2.80E-09	3.58E-09	4.21E-10	1.30E-09	1.72E-09
4433	438113.29	3762168.66	5.11E-09	1.74E-08	2.25E-08	7.94E-10	2.85E-09	3.64E-09	4.28E-10	1.32E-09	1.75E-09
4434	438117.05	3762177.7	5.2E-09	1.77E-08	2.29E-08	8.07E-10	2.89E-09	3.70E-09	4.35E-10	1.34E-09	1.78E-09
4435	438120.8	3762186.73	5.28E-09	1.80E-08	2.33E-08	8.21E-10	2.94E-09	3.76E-09	4.42E-10	1.37E-09	1.81E-09
4436	438124.55	3762195.77	5.37E-09	1.83E-08	2.37E-08	8.35E-10	2.99E-09	3.83E-09	4.50E-10	1.39E-09	1.84E-09
4437	438128.31	3762204.81	5.47E-09	1.86E-08	2.41E-08	8.49E-10	3.04E-09	3.89E-09	4.57E-10	1.41E-09	1.87E-09
4438	438132.06	3762213.84	5.56E-09	1.90E-08	2.45E-08	8.64E-10	3.10E-09	3.96E-09	4.65E-10	1.44E-09	1.90E-09
4439	438135.81	3762222.88	5.65E-09	1.93E-08	2.49E-08	8.78E-10	3.15E-09	4.03E-09	4.73E-10	1.46E-09	1.93E-09
4440	438139.56	3762231.91	5.74E-09	1.96E-08	2.53E-08	8.93E-10	3.20E-09	4.09E-09	4.81E-10	1.48E-09	1.97E-09
4441	438143.32	3762240.95	5.84E-09	1.99E-08	2.58E-08	9.07E-10	3.25E-09	4.16E-09	4.89E-10	1.51E-09	2.00E-09
4442	438147.07	3762249.98	5.94E-09	2.02E-08	2.62E-08	9.22E-10	3.31E-09	4.23E-09	4.97E-10	1.53E-09	2.03E-09
4443	438150.82	3762259.02	6.03E-09	2.06E-08	2.66E-08	9.38E-10	3.36E-09	4.30E-09	5.05E-10	1.56E-09	2.06E-09
4444	438154.57	3762268.05	6.13E-09	2.09E-08	2.70E-08	9.53E-10	3.42E-09	4.37E-09	5.13E-10	1.58E-09	2.10E-09
4445	438158.33	3762277.09	6.24E-09	2.13E-08	2.75E-08	9.69E-10	3.47E-09	4.44E-09	5.22E-10	1.61E-09	2.13E-09
4446	438162.08	3762286.12	6.34E-09	2.16E-08	2.80E-08	9.85E-10	3.53E-09	4.52E-09	5.31E-10	1.64E-09	2.17E-09
4447	438165.83	3762295.16	6.45E-09	2.20E-08	2.84E-08	1.00E-09	3.59E-09	4.59E-09	5.40E-10	1.67E-09	2.21E-09
4448	438169.59	3762304.2	6.56E-09	2.24E-08	2.89E-08	1.02E-09	3.65E-09	4.67E-09	5.49E-10	1.69E-09	2.24E-09
4449	438173.34	3762313.23	6.67E-09	2.27E-08	2.94E-08	1.04E-09	3.71E-09	4.75E-09	5.58E-10	1.72E-09	2.28E-09

4450	438177.09	3762322.27	6.78E-09	2.31E-08	2.99E-08	1.05E-09	3.78E-09	4.83E-09	5.68E-10	1.75E-09	2.32E-09
4451	438180.84	3762331.3	6.9E-09	2.35E-08	3.04E-08	1.07E-09	3.84E-09	4.92E-09	5.78E-10	1.78E-09	2.36E-09
4452	438184.6	3762340.34	7.02E-09	2.40E-08	3.10E-08	1.09E-09	3.91E-09	5.00E-09	5.88E-10	1.81E-09	2.40E-09
4453	438188.35	3762349.37	7.15E-09	2.44E-08	3.15E-08	1.11E-09	3.98E-09	5.09E-09	5.98E-10	1.85E-09	2.45E-09
4454	438192.1	3762358.41	7.28E-09	2.48E-08	3.21E-08	1.13E-09	4.06E-09	5.19E-09	6.09E-10	1.88E-09	2.49E-09
4455	438195.86	3762367.44	7.41E-09	2.53E-08	3.27E-08	1.15E-09	4.13E-09	5.28E-09	6.21E-10	1.92E-09	2.54E-09
4456	438199.61	3762376.48	7.55E-09	2.57E-08	3.33E-08	1.17E-09	4.21E-09	5.38E-09	6.32E-10	1.95E-09	2.58E-09
4457	438203.36	3762385.51	7.69E-09	2.62E-08	3.39E-08	1.20E-09	4.29E-09	5.48E-09	6.44E-10	1.99E-09	2.63E-09
4458	438207.11	3762394.55	7.84E-09	2.67E-08	3.46E-08	1.22E-09	4.37E-09	5.59E-09	6.56E-10	2.03E-09	2.68E-09
4459	438210.87	3762403.59	7.99E-09	2.73E-08	3.52E-08	1.24E-09	4.45E-09	5.69E-09	6.69E-10	2.06E-09	2.73E-09
4460	438214.62	3762412.62	8.15E-09	2.78E-08	3.59E-08	1.27E-09	4.54E-09	5.80E-09	6.82E-10	2.11E-09	2.79E-09
4461	438218.37	3762421.66	8.31E-09	2.83E-08	3.66E-08	1.29E-09	4.63E-09	5.92E-09	6.96E-10	2.15E-09	2.84E-09
4462	438222.12	3762430.69	8.48E-09	2.89E-08	3.74E-08	1.32E-09	4.72E-09	6.04E-09	7.10E-10	2.19E-09	2.90E-09
4463	438225.88	3762439.73	8.65E-09	2.95E-08	3.81E-08	1.34E-09	4.82E-09	6.16E-09	7.24E-10	2.23E-09	2.96E-09
4464	438229.63	3762448.76	8.83E-09	3.01E-08	3.89E-08	1.37E-09	4.92E-09	6.29E-09	7.39E-10	2.28E-09	3.02E-09
4465	438233.38	3762457.8	9.01E-09	3.07E-08	3.97E-08	1.40E-09	5.02E-09	6.42E-09	7.54E-10	2.33E-09	3.08E-09
4466	438237.14	3762466.83	9.2E-09	3.14E-08	4.06E-08	1.43E-09	5.12E-09	6.55E-09	7.70E-10	2.38E-09	3.15E-09
4467	438240.89	3762475.87	9.39E-09	3.20E-08	4.14E-08	1.46E-09	5.23E-09	6.69E-09	7.86E-10	2.43E-09	3.21E-09
4468	438244.64	3762484.91	9.58E-09	3.27E-08	4.23E-08	1.49E-09	5.34E-09	6.83E-09	8.02E-10	2.48E-09	3.28E-09
4469	438248.39	3762493.94	9.78E-09	3.34E-08	4.31E-08	1.52E-09	5.45E-09	6.97E-09	8.19E-10	2.53E-09	3.35E-09
4470	438300.93	3762620.44	1.28E-08	4.38E-08	5.66E-08	2.00E-09	7.15E-09	9.15E-09	1.07E-09	3.32E-09	4.39E-09
4471	438304.69	3762629.47	1.31E-08	4.45E-08	5.76E-08	2.03E-09	7.28E-09	9.31E-09	1.09E-09	3.38E-09	4.47E-09
4472	438308.44	3762638.51	1.33E-08	4.53E-08	5.86E-08	2.06E-09	7.40E-09	9.46E-09	1.11E-09	3.43E-09	4.54E-09
4473	438312.19	3762647.54	1.35E-08	4.60E-08	5.95E-08	2.10E-09	7.51E-09	9.61E-09	1.13E-09	3.49E-09	4.61E-09
4474	438315.94	3762656.58	1.37E-08	4.67E-08	6.04E-08	2.13E-09	7.63E-09	9.76E-09	1.15E-09	3.54E-09	4.69E-09
4475	438319.7	3762665.61	1.39E-08	4.74E-08	6.13E-08	2.16E-09	7.75E-09	9.91E-09	1.16E-09	3.59E-09	4.76E-09
4476	437476.18	3761769.56	1.95E-09	6.64E-09	8.59E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.03E-10	6.66E-10
4477	437485.25	3761773.28	1.97E-09	6.73E-09	8.70E-09	3.07E-10	1.10E-09	1.41E-09	1.65E-10	5.10E-10	6.75E-10
4478	437494.32	3761777.01	2E-09	6.81E-09	8.81E-09	3.10E-10	1.11E-09	1.42E-09	1.67E-10	5.16E-10	6.83E-10
4479	437503.39	3761780.73	2.02E-09	6.90E-09	8.92E-09	3.14E-10	1.13E-09	1.44E-09	1.69E-10	5.23E-10	6.92E-10
4480	437512.45	3761784.46	2.05E-09	6.98E-09	9.03E-09	3.18E-10	1.14E-09	1.46E-09	1.71E-10	5.29E-10	7.00E-10
4481	437521.52	3761788.18	2.07E-09	7.07E-09	9.14E-09	3.22E-10	1.16E-09	1.48E-09	1.74E-10	5.36E-10	7.09E-10
4482	438126.58	3762104.34	4.42E-09	1.51E-08	1.95E-08	6.87E-10	2.46E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
4483	438137.86	3762131.49	4.64E-09	1.58E-08	2.05E-08	7.21E-10	2.58E-09	3.31E-09	3.88E-10	1.20E-09	1.59E-09
4484	438141.62	3762140.55	4.71E-09	1.61E-08	2.08E-08	7.32E-10	2.63E-09	3.36E-09	3.95E-10	1.22E-09	1.61E-09
4485	438145.38	3762149.6	4.79E-09	1.63E-08	2.11E-08	7.44E-10	2.67E-09	3.41E-09	4.01E-10	1.24E-09	1.64E-09
4486	438149.14	3762158.65	4.86E-09	1.66E-08	2.15E-08	7.56E-10	2.71E-09	3.47E-09	4.07E-10	1.26E-09	1.66E-09
4487	438152.9	3762167.71	4.94E-09	1.68E-08	2.18E-08	7.68E-10	2.75E-09	3.52E-09	4.14E-10	1.28E-09	1.69E-09
4488	438156.66	3762176.76	5.02E-09	1.71E-08	2.21E-08	7.80E-10	2.80E-09	3.57E-09	4.20E-10	1.30E-09	1.72E-09
4489	438160.42	3762185.81	5.1E-09	1.74E-08	2.25E-08	7.92E-10	2.84E-09	3.63E-09	4.27E-10	1.32E-09	1.74E-09
4490	438164.18	3762194.86	5.18E-09	1.77E-08	2.28E-08	8.05E-10	2.88E-09	3.69E-09	4.33E-10	1.34E-09	1.77E-09
4491	438167.94	3762203.92	5.26E-09	1.79E-08	2.32E-08	8.17E-10	2.93E-09	3.75E-09	4.40E-10	1.36E-09	1.80E-09
4492	438171.7	3762212.97	5.34E-09	1.82E-08	2.36E-08	8.30E-10	2.98E-09	3.81E-09	4.47E-10	1.38E-09	1.83E-09
4493	438175.46	3762222.02	5.43E-09	1.85E-08	2.39E-08	8.43E-10	3.02E-09	3.87E-09	4.54E-10	1.40E-09	1.86E-09
4494	438179.22	3762231.07	5.51E-09	1.88E-08	2.43E-08	8.56E-10	3.07E-09	3.93E-09	4.61E-10	1.42E-09	1.88E-09
4495	438182.98	3762240.13	5.6E-09	1.91E-08	2.47E-08	8.69E-10	3.12E-09	3.99E-09	4.68E-10	1.45E-09	1.91E-09
4496	438186.74	3762249.18	5.68E-09	1.94E-08	2.51E-08	8.83E-10	3.17E-09	4.05E-09	4.76E-10	1.47E-09	1.94E-09
4497	438190.49	3762258.23	5.77E-09	1.97E-08	2.55E-08	8.97E-10	3.22E-09	4.11E-09	4.83E-10	1.49E-09	1.98E-09
4498	438194.25	3762267.28	5.86E-09	2.00E-08	2.59E-08	9.11E-10	3.27E-09	4.18E-09	4.91E-10	1.52E-09	2.01E-09
4499	438198.01	3762276.34	5.96E-09	2.03E-08	2.63E-08	9.26E-10	3.32E-09	4.24E-09	4.99E-10	1.54E-09	2.04E-09
4500	438201.77	3762285.39	6.05E-09	2.06E-08	2.67E-08	9.40E-10	3.37E-09	4.31E-09	5.07E-10	1.56E-09	2.07E-09
4501	438205.53	3762294.44	6.15E-09	2.10E-08	2.71E-08	9.55E-10	3.43E-09	4.38E-09	5.15E-10	1.59E-09	2.10E-09
4502	438209.29	3762303.49	6.25E-09	2.13E-08	2.76E-08	9.71E-10	3.48E-09	4.45E-09	5.23E-10	1.61E-09	2.14E-09
4503	438213.05	3762312.55	6.35E-09	2.17E-08	2.80E-08	9.87E-10	3.54E-09	4.53E-09	5.32E-10	1.64E-09	2.17E-09
4504	438216.81	3762321.6	6.46E-09	2.20E-08	2.85E-08	1.00E-09	3.60E-09	4.60E-09	5.40E-10	1.67E-09	2.21E-09
4505	438220.57	3762330.65	6.56E-09	2.24E-08	2.89E-08	1.02E-09	3.66E-09	4.68E-09	5.49E-10	1.70E-09	2.25E-09
4506	438224.33	3762339.7	6.68E-09	2.28E-08	2.94E-08	1.04E-09	3.72E-09	4.76E-09	5.59E-10	1.73E-09	2.28E-09
4507	438228.09	3762348.76	6.79E-09	2.32E-08	2.99E-08	1.06E-09	3.78E-09	4.84E-09	5.68E-10	1.75E-09	2.32E-09
4508	438231.85	3762357.81	6.91E-09	2.36E-08	3.05E-08	1.07E-09	3.85E-09	4.92E-09	5.78E-10	1.79E-09	2.36E-09
4509	438235.61	3762366.86	7.03E-09	2.40E-08	3.10E-08	1.09E-09	3.92E-09	5.01E-09	5.88E-10	1.82E-09	2.41E-09
4510	438239.37	3762375.91	7.16E-09	2.44E-08	3.16E-08	1.11E-09	3.99E-09	5.10E-09	5.99E-10	1.85E-09	2.45E-09

4511	438243.13	3762384.97	7.29E-09	2.49E-08	3.21E-08	1.13E-09	4.06E-09	5.19E-09	6.10E-10	1.88E-09	2.49E-09
4512	438246.89	3762394.02	7.42E-09	2.53E-08	3.27E-08	1.15E-09	4.13E-09	5.29E-09	6.21E-10	1.92E-09	2.54E-09
4513	438250.65	3762403.07	7.56E-09	2.58E-08	3.33E-08	1.17E-09	4.21E-09	5.39E-09	6.33E-10	1.95E-09	2.59E-09
4514	438254.41	3762412.12	7.71E-09	2.63E-08	3.40E-08	1.20E-09	4.29E-09	5.49E-09	6.45E-10	1.99E-09	2.64E-09
4515	438258.17	3762421.18	7.85E-09	2.68E-08	3.46E-08	1.22E-09	4.37E-09	5.59E-09	6.57E-10	2.03E-09	2.69E-09
4516	438261.93	3762430.23	8.01E-09	2.73E-08	3.53E-08	1.24E-09	4.46E-09	5.70E-09	6.70E-10	2.07E-09	2.74E-09
4517	438265.69	3762439.28	8.16E-09	2.78E-08	3.60E-08	1.27E-09	4.55E-09	5.81E-09	6.83E-10	2.11E-09	2.79E-09
4518	438269.45	3762448.34	8.32E-09	2.84E-08	3.67E-08	1.29E-09	4.64E-09	5.93E-09	6.97E-10	2.15E-09	2.85E-09
4519	438273.21	3762457.39	8.49E-09	2.89E-08	3.74E-08	1.32E-09	4.73E-09	6.05E-09	7.10E-10	2.19E-09	2.90E-09
4520	438276.97	3762466.44	8.65E-09	2.95E-08	3.82E-08	1.34E-09	4.82E-09	6.17E-09	7.24E-10	2.24E-09	2.96E-09
4521	438280.73	3762475.49	8.82E-09	3.01E-08	3.89E-08	1.37E-09	4.92E-09	6.29E-09	7.39E-10	2.28E-09	3.02E-09
4522	438284.49	3762484.55	9E-09	3.07E-08	3.97E-08	1.40E-09	5.01E-09	6.41E-09	7.53E-10	2.33E-09	3.08E-09
4523	438288.25	3762493.6	9.18E-09	3.13E-08	4.05E-08	1.43E-09	5.11E-09	6.54E-09	7.68E-10	2.37E-09	3.14E-09
4524	438303.29	3762529.81	9.92E-09	3.38E-08	4.38E-08	1.54E-09	5.53E-09	7.07E-09	8.30E-10	2.56E-09	3.39E-09
4525	438307.05	3762538.86	1.01E-08	3.45E-08	4.46E-08	1.57E-09	5.63E-09	7.20E-09	8.46E-10	2.61E-09	3.46E-09
4526	438310.81	3762547.91	1.03E-08	3.51E-08	4.55E-08	1.60E-09	5.74E-09	7.34E-09	8.63E-10	2.66E-09	3.53E-09
4527	438314.57	3762556.97	1.05E-08	3.58E-08	4.63E-08	1.63E-09	5.85E-09	7.48E-09	8.79E-10	2.71E-09	3.59E-09
4528	438318.33	3762566.02	1.07E-08	3.65E-08	4.72E-08	1.66E-09	5.96E-09	7.62E-09	8.95E-10	2.76E-09	3.66E-09
4529	438322.09	3762575.07	1.09E-08	3.71E-08	4.80E-08	1.69E-09	6.07E-09	7.76E-09	9.12E-10	2.81E-09	3.73E-09
4530	438325.85	3762584.12	1.11E-08	3.78E-08	4.89E-08	1.72E-09	6.18E-09	7.90E-09	9.28E-10	2.87E-09	3.79E-09
4531	438329.61	3762593.18	1.13E-08	3.85E-08	4.98E-08	1.75E-09	6.29E-09	8.04E-09	9.44E-10	2.92E-09	3.86E-09
4532	438340.89	3762620.33	1.19E-08	4.05E-08	5.23E-08	1.84E-09	6.61E-09	8.46E-09	9.93E-10	3.07E-09	4.06E-09
4533	438344.65	3762629.39	1.21E-08	4.11E-08	5.32E-08	1.87E-09	6.72E-09	8.59E-09	1.01E-09	3.12E-09	4.13E-09
4534	438348.41	3762638.44	1.23E-08	4.18E-08	5.40E-08	1.90E-09	6.83E-09	8.73E-09	1.03E-09	3.17E-09	4.19E-09
4535	438128.5	3762012.66	3.7E-09	1.26E-08	1.63E-08	5.76E-10	2.06E-09	2.64E-09	3.10E-10	9.57E-10	1.27E-09
4536	438132.27	3762021.73	3.76E-09	1.28E-08	1.66E-08	5.84E-10	2.10E-09	2.68E-09	3.15E-10	9.72E-10	1.29E-09
4537	438136.03	3762030.8	3.82E-09	1.30E-08	1.68E-08	5.93E-10	2.13E-09	2.72E-09	3.20E-10	9.87E-10	1.31E-09
4538	438166.16	3762103.35	4.31E-09	1.47E-08	1.90E-08	6.69E-10	2.40E-09	3.07E-09	3.60E-10	1.11E-09	1.47E-09
4539	438169.93	3762112.41	4.37E-09	1.49E-08	1.93E-08	6.79E-10	2.43E-09	3.11E-09	3.66E-10	1.13E-09	1.50E-09
4540	438173.7	3762121.48	4.44E-09	1.51E-08	1.96E-08	6.89E-10	2.47E-09	3.16E-09	3.71E-10	1.15E-09	1.52E-09
4541	438177.46	3762130.55	4.5E-09	1.54E-08	1.99E-08	7.00E-10	2.51E-09	3.21E-09	3.77E-10	1.16E-09	1.54E-09
4542	438181.23	3762139.62	4.57E-09	1.56E-08	2.01E-08	7.10E-10	2.54E-09	3.25E-09	3.82E-10	1.18E-09	1.56E-09
4543	438185	3762148.69	4.64E-09	1.58E-08	2.04E-08	7.20E-10	2.58E-09	3.30E-09	3.88E-10	1.20E-09	1.59E-09
4544	438188.76	3762157.76	4.7E-09	1.60E-08	2.07E-08	7.31E-10	2.62E-09	3.35E-09	3.94E-10	1.22E-09	1.61E-09
4545	438192.53	3762166.82	4.77E-09	1.63E-08	2.10E-08	7.41E-10	2.66E-09	3.40E-09	3.99E-10	1.23E-09	1.63E-09
4546	438196.3	3762175.89	4.84E-09	1.65E-08	2.14E-08	7.52E-10	2.70E-09	3.45E-09	4.05E-10	1.25E-09	1.66E-09
4547	438200.06	3762184.96	4.91E-09	1.68E-08	2.17E-08	7.63E-10	2.74E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
4548	438203.83	3762194.03	4.98E-09	1.70E-08	2.20E-08	7.75E-10	2.78E-09	3.55E-09	4.17E-10	1.29E-09	1.71E-09
4549	438207.6	3762203.1	5.06E-09	1.72E-08	2.23E-08	7.86E-10	2.82E-09	3.60E-09	4.23E-10	1.31E-09	1.73E-09
4550	438211.36	3762212.17	5.13E-09	1.75E-08	2.26E-08	7.98E-10	2.86E-09	3.66E-09	4.30E-10	1.33E-09	1.76E-09
4551	438215.13	3762221.23	5.21E-09	1.78E-08	2.30E-08	8.09E-10	2.90E-09	3.71E-09	4.36E-10	1.35E-09	1.78E-09
4552	438218.89	3762230.3	5.29E-09	1.80E-08	2.33E-08	8.21E-10	2.94E-09	3.77E-09	4.42E-10	1.37E-09	1.81E-09
4553	438222.66	3762239.37	5.36E-09	1.83E-08	2.37E-08	8.33E-10	2.99E-09	3.82E-09	4.49E-10	1.39E-09	1.84E-09
4554	438226.43	3762248.44	5.44E-09	1.86E-08	2.40E-08	8.46E-10	3.03E-09	3.88E-09	4.56E-10	1.41E-09	1.86E-09
4555	438230.19	3762257.51	5.52E-09	1.88E-08	2.44E-08	8.58E-10	3.08E-09	3.94E-09	4.62E-10	1.43E-09	1.89E-09
4556	438233.96	3762266.58	5.61E-09	1.91E-08	2.47E-08	8.71E-10	3.12E-09	4.00E-09	4.69E-10	1.45E-09	1.92E-09
4557	438237.73	3762275.64	5.69E-09	1.94E-08	2.51E-08	8.84E-10	3.17E-09	4.06E-09	4.76E-10	1.47E-09	1.95E-09
4558	438241.49	3762284.71	5.78E-09	1.97E-08	2.55E-08	8.98E-10	3.22E-09	4.12E-09	4.84E-10	1.49E-09	1.98E-09
4559	438245.26	3762293.78	5.87E-09	2.00E-08	2.59E-08	9.12E-10	3.27E-09	4.18E-09	4.91E-10	1.52E-09	2.01E-09
4560	438249.03	3762302.85	5.96E-09	2.03E-08	2.63E-08	9.26E-10	3.32E-09	4.25E-09	4.99E-10	1.54E-09	2.04E-09
4561	438252.79	3762311.92	6.05E-09	2.06E-08	2.67E-08	9.41E-10	3.37E-09	4.31E-09	5.07E-10	1.56E-09	2.07E-09
4562	438256.56	3762320.99	6.15E-09	2.10E-08	2.71E-08	9.56E-10	3.43E-09	4.38E-09	5.15E-10	1.59E-09	2.10E-09
4563	438260.33	3762330.05	6.25E-09	2.13E-08	2.76E-08	9.71E-10	3.48E-09	4.45E-09	5.23E-10	1.61E-09	2.14E-09
4564	438264.09	3762339.12	6.35E-09	2.17E-08	2.80E-08	9.87E-10	3.54E-09	4.53E-09	5.32E-10	1.64E-09	2.17E-09
4565	438267.86	3762348.19	6.46E-09	2.20E-08	2.85E-08	1.00E-09	3.60E-09	4.60E-09	5.41E-10	1.67E-09	2.21E-09
4566	438271.62	3762357.26	6.57E-09	2.24E-08	2.90E-08	1.02E-09	3.66E-09	4.68E-09	5.50E-10	1.70E-09	2.25E-09
4567	438275.39	3762366.33	6.68E-09	2.28E-08	2.95E-08	1.04E-09	3.72E-09	4.76E-09	5.59E-10	1.73E-09	2.28E-09
4568	438279.16	3762375.4	6.8E-09	2.32E-08	3.00E-08	1.06E-09	3.79E-09	4.84E-09	5.69E-10	1.76E-09	2.32E-09
4569	438282.92	3762384.46	6.92E-09	2.36E-08	3.05E-08	1.07E-09	3.85E-09	4.93E-09	5.79E-10	1.79E-09	2.37E-09
4570	438286.69	3762393.53	7.04E-09	2.40E-08	3.10E-08	1.09E-09	3.92E-09	5.02E-09	5.89E-10	1.82E-09	2.41E-09
4571	438290.46	3762402.6	7.17E-09	2.44E-08	3.16E-08	1.11E-09	3.99E-09	5.11E-09	6.00E-10	1.85E-09	2.45E-09

4572	438294.22	3762411.67	7.3E-09	2.49E-08	3.22E-08	1.13E-09	4.07E-09	5.20E-09	6.11E-10	1.89E-09	2.50E-09
4573	438297.99	3762420.74	7.44E-09	2.54E-08	3.28E-08	1.16E-09	4.14E-09	5.30E-09	6.22E-10	1.92E-09	2.54E-09
4574	438301.76	3762429.81	7.57E-09	2.58E-08	3.34E-08	1.18E-09	4.22E-09	5.40E-09	6.34E-10	1.96E-09	2.59E-09
4575	438313.06	3762457.01	8.01E-09	2.73E-08	3.53E-08	1.24E-09	4.46E-09	5.71E-09	6.70E-10	2.07E-09	2.74E-09
4576	438316.82	3762466.08	8.16E-09	2.78E-08	3.60E-08	1.27E-09	4.55E-09	5.81E-09	6.83E-10	2.11E-09	2.79E-09
4577	438320.59	3762475.15	8.32E-09	2.84E-08	3.67E-08	1.29E-09	4.63E-09	5.93E-09	6.96E-10	2.15E-09	2.85E-09
4578	438324.35	3762484.22	8.47E-09	2.89E-08	3.74E-08	1.32E-09	4.72E-09	6.04E-09	7.09E-10	2.19E-09	2.90E-09
4579	438328.12	3762493.28	8.63E-09	2.94E-08	3.81E-08	1.34E-09	4.81E-09	6.15E-09	7.23E-10	2.23E-09	2.95E-09
4580	438331.89	3762502.35	8.8E-09	3.00E-08	3.88E-08	1.37E-09	4.90E-09	6.27E-09	7.36E-10	2.27E-09	3.01E-09
4581	438343.19	3762529.56	9.3E-09	3.17E-08	4.10E-08	1.44E-09	5.18E-09	6.62E-09	7.78E-10	2.40E-09	3.18E-09
4582	438346.95	3762538.63	9.46E-09	3.23E-08	4.17E-08	1.47E-09	5.27E-09	6.74E-09	7.92E-10	2.45E-09	3.24E-09
4583	438350.72	3762547.69	9.63E-09	3.29E-08	4.25E-08	1.50E-09	5.37E-09	6.86E-09	8.06E-10	2.49E-09	3.30E-09
4584	438388.38	3762638.38	1.13E-08	3.87E-08	5.00E-08	1.76E-09	6.32E-09	8.08E-09	9.49E-10	2.93E-09	3.88E-09
4585	438392.15	3762647.45	1.15E-08	3.92E-08	5.07E-08	1.79E-09	6.41E-09	8.20E-09	9.63E-10	2.97E-09	3.94E-09
4586	438395.92	3762656.51	1.17E-08	3.98E-08	5.14E-08	1.81E-09	6.50E-09	8.31E-09	9.76E-10	3.01E-09	3.99E-09
4587	438399.68	3762665.58	1.18E-08	4.03E-08	5.21E-08	1.84E-09	6.58E-09	8.42E-09	9.89E-10	3.05E-09	4.04E-09
4588	438156.74	3761984.35	3.48E-09	1.19E-08	1.53E-08	5.40E-10	1.94E-09	2.48E-09	2.91E-10	8.98E-10	1.19E-09
4589	438160.51	3761993.44	3.53E-09	1.20E-08	1.56E-08	5.48E-10	1.96E-09	2.51E-09	2.95E-10	9.11E-10	1.21E-09
4590	438164.29	3762002.52	3.58E-09	1.22E-08	1.58E-08	5.56E-10	1.99E-09	2.55E-09	2.99E-10	9.25E-10	1.22E-09
4591	438175.6	3762029.77	3.73E-09	1.27E-08	1.65E-08	5.80E-10	2.08E-09	2.66E-09	3.13E-10	9.65E-10	1.28E-09
4592	438179.38	3762038.85	3.79E-09	1.29E-08	1.67E-08	5.88E-10	2.11E-09	2.70E-09	3.17E-10	9.78E-10	1.30E-09
4593	438205.78	3762102.43	4.18E-09	1.43E-08	1.84E-08	6.50E-10	2.33E-09	2.98E-09	3.50E-10	1.08E-09	1.43E-09
4594	438209.56	3762111.51	4.24E-09	1.45E-08	1.87E-08	6.59E-10	2.36E-09	3.02E-09	3.55E-10	1.10E-09	1.45E-09
4595	438213.33	3762120.6	4.3E-09	1.47E-08	1.90E-08	6.68E-10	2.40E-09	3.06E-09	3.60E-10	1.11E-09	1.47E-09
4596	438217.1	3762129.68	4.36E-09	1.49E-08	1.92E-08	6.78E-10	2.43E-09	3.11E-09	3.65E-10	1.13E-09	1.49E-09
4597	438220.87	3762138.76	4.42E-09	1.51E-08	1.95E-08	6.87E-10	2.46E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
4598	438224.65	3762147.84	4.48E-09	1.53E-08	1.98E-08	6.96E-10	2.50E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
4599	438228.42	3762156.93	4.54E-09	1.55E-08	2.00E-08	7.06E-10	2.53E-09	3.24E-09	3.80E-10	1.17E-09	1.55E-09
4600	438232.19	3762166.01	4.61E-09	1.57E-08	2.03E-08	7.16E-10	2.57E-09	3.28E-09	3.86E-10	1.19E-09	1.58E-09
4601	438235.96	3762175.09	4.67E-09	1.59E-08	2.06E-08	7.26E-10	2.60E-09	3.33E-09	3.91E-10	1.21E-09	1.60E-09
4602	438239.74	3762184.18	4.73E-09	1.61E-08	2.09E-08	7.36E-10	2.64E-09	3.37E-09	3.96E-10	1.22E-09	1.62E-09
4603	438243.51	3762193.26	4.8E-09	1.64E-08	2.12E-08	7.46E-10	2.67E-09	3.42E-09	4.02E-10	1.24E-09	1.64E-09
4604	438247.28	3762202.34	4.87E-09	1.66E-08	2.15E-08	7.56E-10	2.71E-09	3.47E-09	4.07E-10	1.26E-09	1.66E-09
4605	438251.05	3762211.42	4.93E-09	1.68E-08	2.18E-08	7.67E-10	2.75E-09	3.52E-09	4.13E-10	1.27E-09	1.69E-09
4606	438254.83	3762220.51	5E-09	1.71E-08	2.21E-08	7.77E-10	2.79E-09	3.56E-09	4.19E-10	1.29E-09	1.71E-09
4607	438258.6	3762229.59	5.07E-09	1.73E-08	2.24E-08	7.88E-10	2.83E-09	3.61E-09	4.25E-10	1.31E-09	1.74E-09
4608	438262.37	3762238.67	5.15E-09	1.75E-08	2.27E-08	8.00E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
4609	438266.14	3762247.76	5.22E-09	1.78E-08	2.30E-08	8.11E-10	2.91E-09	3.72E-09	4.37E-10	1.35E-09	1.79E-09
4610	438269.92	3762256.84	5.29E-09	1.80E-08	2.33E-08	8.22E-10	2.95E-09	3.77E-09	4.43E-10	1.37E-09	1.81E-09
4611	438273.69	3762265.92	5.37E-09	1.83E-08	2.37E-08	8.34E-10	2.99E-09	3.83E-09	4.49E-10	1.39E-09	1.84E-09
4612	438277.46	3762275	5.45E-09	1.86E-08	2.40E-08	8.46E-10	3.03E-09	3.88E-09	4.56E-10	1.41E-09	1.86E-09
4613	438281.23	3762284.09	5.53E-09	1.88E-08	2.44E-08	8.59E-10	3.08E-09	3.94E-09	4.62E-10	1.43E-09	1.89E-09
4614	438285.01	3762293.17	5.61E-09	1.91E-08	2.47E-08	8.71E-10	3.12E-09	4.00E-09	4.69E-10	1.45E-09	1.92E-09
4615	438288.78	3762302.25	5.69E-09	1.94E-08	2.51E-08	8.84E-10	3.17E-09	4.06E-09	4.76E-10	1.47E-09	1.95E-09
4616	438292.55	3762311.34	5.78E-09	1.97E-08	2.55E-08	8.98E-10	3.22E-09	4.12E-09	4.84E-10	1.49E-09	1.98E-09
4617	438296.32	3762320.42	5.87E-09	2.00E-08	2.59E-08	9.12E-10	3.27E-09	4.18E-09	4.91E-10	1.52E-09	2.01E-09
4618	438300.1	3762329.5	5.96E-09	2.03E-08	2.63E-08	9.26E-10	3.32E-09	4.24E-09	4.99E-10	1.54E-09	2.04E-09
4619	438303.87	3762338.58	6.05E-09	2.06E-08	2.67E-08	9.41E-10	3.37E-09	4.31E-09	5.07E-10	1.56E-09	2.07E-09
4620	438307.64	3762347.67	6.15E-09	2.10E-08	2.71E-08	9.56E-10	3.43E-09	4.38E-09	5.15E-10	1.59E-09	2.10E-09
4621	438311.41	3762356.75	6.25E-09	2.13E-08	2.76E-08	9.72E-10	3.48E-09	4.46E-09	5.23E-10	1.62E-09	2.14E-09
4622	438326.5	3762393.08	6.69E-09	2.28E-08	2.95E-08	1.04E-09	3.73E-09	4.77E-09	5.60E-10	1.73E-09	2.29E-09
4623	438330.28	3762402.16	6.81E-09	2.32E-08	3.00E-08	1.06E-09	3.79E-09	4.85E-09	5.70E-10	1.76E-09	2.33E-09
4624	438334.05	3762411.25	6.93E-09	2.36E-08	3.05E-08	1.08E-09	3.86E-09	4.94E-09	5.80E-10	1.79E-09	2.37E-09
4625	438337.82	3762420.33	7.05E-09	2.40E-08	3.11E-08	1.10E-09	3.93E-09	5.02E-09	5.90E-10	1.82E-09	2.41E-09
4626	438341.59	3762429.41	7.18E-09	2.45E-08	3.17E-08	1.12E-09	4.00E-09	5.11E-09	6.01E-10	1.85E-09	2.46E-09
4627	438352.91	3762456.66	7.57E-09	2.58E-08	3.34E-08	1.18E-09	4.22E-09	5.40E-09	6.34E-10	1.96E-09	2.59E-09
4628	438390.64	3762547.49	9.03E-09	3.08E-08	3.98E-08	1.40E-09	5.03E-09	6.44E-09	7.56E-10	2.33E-09	3.09E-09
4629	438394.41	3762556.57	9.18E-09	3.13E-08	4.05E-08	1.43E-09	5.12E-09	6.54E-09	7.69E-10	2.37E-09	3.14E-09
4630	438398.18	3762565.66	9.33E-09	3.18E-08	4.12E-08	1.45E-09	5.20E-09	6.65E-09	7.81E-10	2.41E-09	3.19E-09
4631	438401.95	3762574.74	9.49E-09	3.23E-08	4.18E-08	1.47E-09	5.28E-09	6.76E-09	7.94E-10	2.45E-09	3.25E-09
4632	438405.73	3762583.82	9.64E-09	3.29E-08	4.25E-08	1.50E-09	5.37E-09	6.87E-09	8.07E-10	2.49E-09	3.30E-09

4633	438409.5	3762592.9	9.79E-09	3.34E-08	4.32E-08	1.52E-09	5.45E-09	6.97E-09	8.19E-10	2.53E-09	3.35E-09
4634	438413.27	3762601.99	9.94E-09	3.39E-08	4.38E-08	1.54E-09	5.53E-09	7.08E-09	8.32E-10	2.57E-09	3.40E-09
4635	438417.04	3762611.07	1.01E-08	3.44E-08	4.45E-08	1.57E-09	5.62E-09	7.19E-09	8.44E-10	2.61E-09	3.45E-09
4636	438420.82	3762620.15	1.02E-08	3.49E-08	4.51E-08	1.59E-09	5.70E-09	7.29E-09	8.57E-10	2.64E-09	3.50E-09
4637	438424.59	3762629.24	1.04E-08	3.54E-08	4.58E-08	1.61E-09	5.78E-09	7.40E-09	8.69E-10	2.68E-09	3.55E-09
4638	438428.36	3762638.32	1.05E-08	3.59E-08	4.64E-08	1.64E-09	5.86E-09	7.50E-09	8.81E-10	2.72E-09	3.60E-09
4639	438432.13	3762647.4	1.07E-08	3.64E-08	4.71E-08	1.66E-09	5.94E-09	7.60E-09	8.93E-10	2.76E-09	3.65E-09
4640	438435.91	3762656.48	1.08E-08	3.69E-08	4.77E-08	1.68E-09	6.02E-09	7.70E-09	9.05E-10	2.79E-09	3.70E-09
4641	438439.68	3762665.57	1.09E-08	3.73E-08	4.83E-08	1.70E-09	6.10E-09	7.80E-09	9.16E-10	2.83E-09	3.75E-09
4642	437383.98	3762674.84	1.76E-07	6.01E-07	7.78E-07	2.74E-08	9.82E-08	1.26E-07	1.48E-08	4.56E-08	6.03E-08
4643	437383.98	3762690.76	2.47E-07	8.41E-07	1.09E-06	3.83E-08	1.37E-07	1.76E-07	2.07E-08	6.38E-08	8.44E-08
4644	437376.9	3762667.78	1.47E-07	5.00E-07	6.46E-07	2.28E-08	8.16E-08	1.04E-07	1.23E-08	3.79E-08	5.01E-08
4645	437373.98	3762682.8	1.88E-07	6.42E-07	8.31E-07	2.93E-08	1.05E-07	1.34E-07	1.58E-08	4.87E-08	6.44E-08
4646	437366.9	3762667.78	1.35E-07	4.61E-07	5.96E-07	2.10E-08	7.53E-08	9.63E-08	1.13E-08	3.49E-08	4.62E-08
4647	437379.77	3762650.73	1.14E-07	3.88E-07	5.02E-07	1.77E-08	6.34E-08	8.10E-08	9.52E-09	2.94E-08	3.89E-08
4648	437363.98	3762682.8	1.7E-07	5.80E-07	7.50E-07	2.64E-08	9.48E-08	1.21E-07	1.42E-08	4.40E-08	5.82E-08
4649	437356.9	3762667.78	1.24E-07	4.24E-07	5.48E-07	1.93E-08	6.92E-08	8.85E-08	1.04E-08	3.21E-08	4.25E-08
4650	437362.73	3762653.67	1.06E-07	3.61E-07	4.67E-07	1.64E-08	5.90E-08	7.54E-08	8.86E-09	2.74E-08	3.62E-08
4651	437372.69	3762643.67	9.83E-08	3.35E-07	4.33E-07	1.53E-08	5.47E-08	7.00E-08	8.23E-09	2.54E-08	3.36E-08
4652	437353.98	3762682.8	1.53E-07	5.22E-07	6.75E-07	2.38E-08	8.53E-08	1.09E-07	1.28E-08	3.95E-08	5.24E-08
4653	437353.98	3762698.72	2.02E-07	6.89E-07	8.91E-07	3.14E-08	1.13E-07	1.44E-07	1.69E-08	5.22E-08	6.91E-08
4654	437346.9	3762667.78	1.14E-07	3.89E-07	5.02E-07	1.77E-08	6.35E-08	8.12E-08	9.54E-09	2.94E-08	3.90E-08
4655	437352.73	3762653.67	9.86E-08	3.36E-07	4.35E-07	1.53E-08	5.49E-08	7.02E-08	8.25E-09	2.55E-08	3.37E-08
4656	437365.6	3762636.61	8.58E-08	2.93E-07	3.78E-07	1.33E-08	4.78E-08	6.11E-08	7.18E-09	2.22E-08	2.94E-08
4657	437379.7	3762630.73	8.59E-08	2.93E-07	3.79E-07	1.33E-08	4.79E-08	6.12E-08	7.19E-09	2.22E-08	2.94E-08
4658	437343.98	3762682.8	1.37E-07	4.69E-07	6.06E-07	2.14E-08	7.66E-08	9.79E-08	1.15E-08	3.55E-08	4.70E-08
4659	437343.98	3762698.72	1.76E-07	5.99E-07	7.75E-07	2.73E-08	9.78E-08	1.25E-07	1.47E-08	4.54E-08	6.01E-08
4660	437336.9	3762667.78	1.04E-07	3.56E-07	4.60E-07	1.62E-08	5.81E-08	7.44E-08	8.74E-09	2.70E-08	3.57E-08
4661	437342.73	3762653.67	9.16E-08	3.13E-07	4.04E-07	1.42E-08	5.11E-08	6.53E-08	7.67E-09	2.37E-08	3.14E-08
4662	437348.56	3762639.55	8.03E-08	2.74E-07	3.54E-07	1.25E-08	4.48E-08	5.72E-08	6.73E-09	2.08E-08	2.75E-08
4663	437358.52	3762629.55	7.56E-08	2.58E-07	3.33E-07	1.17E-08	4.21E-08	5.39E-08	6.33E-09	1.95E-08	2.59E-08
4664	437372.61	3762623.67	7.58E-08	2.58E-07	3.34E-07	1.18E-08	4.22E-08	5.40E-08	6.34E-09	1.96E-08	2.59E-08
4665	437333.98	3762682.8	1.23E-07	4.20E-07	5.44E-07	1.92E-08	6.87E-08	8.78E-08	1.03E-08	3.18E-08	4.22E-08
4666	437326.9	3762667.78	9.54E-08	3.25E-07	4.21E-07	1.48E-08	5.32E-08	6.80E-08	7.99E-09	2.47E-08	3.27E-08
4667	437332.73	3762653.67	8.51E-08	2.90E-07	3.75E-07	1.32E-08	4.74E-08	6.06E-08	7.12E-09	2.20E-08	2.91E-08
4668	437338.56	3762639.55	7.55E-08	2.57E-07	3.33E-07	1.17E-08	4.20E-08	5.38E-08	6.32E-09	1.95E-08	2.58E-08
4669	437351.43	3762622.5	6.72E-08	2.29E-07	2.96E-07	1.04E-08	3.74E-08	4.78E-08	5.62E-09	1.74E-08	2.30E-08
4670	437365.53	3762616.61	6.74E-08	2.30E-07	2.97E-07	1.05E-08	3.75E-08	4.80E-08	5.64E-09	1.74E-08	2.31E-08
4671	437379.62	3762610.73	6.71E-08	2.29E-07	2.96E-07	1.04E-08	3.74E-08	4.78E-08	5.62E-09	1.73E-08	2.29E-08
4672	437323.98	3762682.8	1.11E-07	3.77E-07	4.88E-07	1.72E-08	6.16E-08	7.88E-08	9.26E-09	2.86E-08	3.78E-08
4673	437316.9	3762667.78	8.73E-08	2.98E-07	3.85E-07	1.36E-08	4.87E-08	6.22E-08	7.31E-09	2.26E-08	2.99E-08
4674	437322.73	3762653.67	7.89E-08	2.69E-07	3.48E-07	1.23E-08	4.39E-08	5.62E-08	6.60E-09	2.04E-08	2.70E-08
4675	437328.56	3762639.55	7.07E-08	2.41E-07	3.12E-07	1.10E-08	3.94E-08	5.04E-08	5.92E-09	1.83E-08	2.42E-08
4676	437334.39	3762625.44	6.32E-08	2.16E-07	2.79E-07	9.83E-09	3.52E-08	4.51E-08	5.29E-09	1.63E-08	2.16E-08
4677	437344.35	3762615.44	6.01E-08	2.05E-07	2.65E-07	9.33E-09	3.35E-08	4.28E-08	5.03E-09	1.55E-08	2.05E-08
4678	437358.44	3762609.55	6.03E-08	2.06E-07	2.66E-07	9.37E-09	3.36E-08	4.30E-08	5.05E-09	1.56E-08	2.06E-08
4679	437372.53	3762603.67	6.01E-08	2.05E-07	2.65E-07	9.34E-09	3.35E-08	4.28E-08	5.03E-09	1.55E-08	2.06E-08
4680	437313.98	3762682.8	9.95E-08	3.39E-07	4.39E-07	1.55E-08	5.54E-08	7.09E-08	8.33E-09	2.57E-08	3.40E-08
4681	437306.9	3762667.78	8E-08	2.73E-07	3.53E-07	1.24E-08	4.46E-08	5.70E-08	6.69E-09	2.07E-08	2.74E-08
4682	437312.73	3762653.67	7.31E-08	2.49E-07	3.22E-07	1.14E-08	4.07E-08	5.21E-08	6.12E-09	1.89E-08	2.50E-08
4683	437318.56	3762639.55	6.62E-08	2.26E-07	2.92E-07	1.03E-08	3.69E-08	4.72E-08	5.55E-09	1.71E-08	2.27E-08
4684	437324.39	3762625.44	5.98E-08	2.04E-07	2.64E-07	9.28E-09	3.33E-08	4.26E-08	5.00E-09	1.54E-08	2.04E-08
4685	437337.26	3762608.38	5.4E-08	1.84E-07	2.38E-07	8.40E-09	3.01E-08	3.85E-08	4.52E-09	1.40E-08	1.85E-08
4686	437351.36	3762602.5	5.43E-08	1.85E-07	2.40E-07	8.44E-09	3.03E-08	3.87E-08	4.55E-09	1.40E-08	1.86E-08
4687	437365.45	3762596.61	5.42E-08	1.85E-07	2.39E-07	8.42E-09	3.02E-08	3.86E-08	4.54E-09	1.40E-08	1.85E-08
4688	437379.54	3762590.73	5.37E-08	1.83E-07	2.37E-07	8.35E-09	2.99E-08	3.83E-08	4.50E-09	1.39E-08	1.84E-08
4689	437303.98	3762682.8	8.99E-08	3.07E-07	3.97E-07	1.40E-08	5.01E-08	6.41E-08	7.53E-09	2.32E-08	3.08E-08
4690	437296.9	3762667.78	7.33E-08	2.50E-07	3.23E-07	1.14E-08	4.08E-08	5.22E-08	6.14E-09	1.89E-08	2.51E-08
4691	437302.73	3762653.67	6.77E-08	2.31E-07	2.98E-07	1.05E-08	3.77E-08	4.82E-08	5.66E-09	1.75E-08	2.32E-08
4692	437308.56	3762639.55	6.2E-08	2.11E-07	2.73E-07	9.63E-09	3.45E-08	4.42E-08	5.19E-09	1.60E-08	2.12E-08
4693	437314.39	3762625.44	5.64E-08	1.92E-07	2.49E-07	8.76E-09	3.14E-08	4.02E-08	4.72E-09	1.46E-08	1.93E-08

4694	437320.22	3762611.32	5.11E-08	1.74E-07	2.25E-07	7.94E-09	2.85E-08	3.64E-08	4.28E-09	1.32E-08	1.75E-08
4695	437330.18	3762601.32	4.89E-08	1.67E-07	2.16E-07	7.59E-09	2.72E-08	3.48E-08	4.09E-09	1.26E-08	1.67E-08
4696	437344.27	3762595.44	4.92E-08	1.68E-07	2.17E-07	7.64E-09	2.74E-08	3.50E-08	4.12E-09	1.27E-08	1.68E-08
4697	437358.36	3762589.55	4.91E-08	1.67E-07	2.17E-07	7.63E-09	2.74E-08	3.50E-08	4.11E-09	1.27E-08	1.68E-08
4698	437372.46	3762583.67	4.87E-08	1.66E-07	2.15E-07	7.57E-09	2.71E-08	3.47E-08	4.08E-09	1.26E-08	1.67E-08
4699	437293.98	3762682.8	8.16E-08	2.78E-07	3.60E-07	1.27E-08	4.55E-08	5.81E-08	6.83E-09	2.11E-08	2.79E-08
4700	437276.9	3762667.78	6.2E-08	2.11E-07	2.73E-07	9.63E-09	3.45E-08	4.42E-08	5.19E-09	1.60E-08	2.12E-08
4701	437282.73	3762653.67	5.81E-08	1.98E-07	2.56E-07	9.02E-09	3.24E-08	4.14E-08	4.86E-09	1.50E-08	1.99E-08
4702	437288.56	3762639.55	5.41E-08	1.84E-07	2.39E-07	8.40E-09	3.01E-08	3.85E-08	4.53E-09	1.40E-08	1.85E-08
4703	437294.39	3762625.44	5E-08	1.71E-07	2.21E-07	7.77E-09	2.79E-08	3.56E-08	4.19E-09	1.29E-08	1.71E-08
4704	437300.22	3762611.32	4.6E-08	1.57E-07	2.03E-07	7.15E-09	2.56E-08	3.28E-08	3.85E-09	1.19E-08	1.57E-08
4705	437306.05	3762597.21	4.22E-08	1.44E-07	1.86E-07	6.55E-09	2.35E-08	3.00E-08	3.53E-09	1.09E-08	1.44E-08
4706	437316.01	3762587.21	4.06E-08	1.38E-07	1.79E-07	6.30E-09	2.26E-08	2.89E-08	3.40E-09	1.05E-08	1.39E-08
4707	437330.1	3762581.32	4.08E-08	1.39E-07	1.80E-07	6.34E-09	2.27E-08	2.91E-08	3.42E-09	1.06E-08	1.40E-08
4708	437344.2	3762575.44	4.08E-08	1.39E-07	1.80E-07	6.35E-09	2.28E-08	2.91E-08	3.42E-09	1.06E-08	1.40E-08
4709	437358.29	3762569.55	4.06E-08	1.38E-07	1.79E-07	6.31E-09	2.26E-08	2.89E-08	3.40E-09	1.05E-08	1.39E-08
4710	437372.38	3762563.67	4.02E-08	1.37E-07	1.77E-07	6.24E-09	2.24E-08	2.86E-08	3.36E-09	1.04E-08	1.37E-08
4711	437273.98	3762682.8	6.78E-08	2.31E-07	2.99E-07	1.05E-08	3.78E-08	4.83E-08	5.68E-09	1.75E-08	2.32E-08
4712	437256.9	3762667.78	5.29E-08	1.81E-07	2.33E-07	8.23E-09	2.95E-08	3.77E-08	4.43E-09	1.37E-08	1.81E-08
4713	437262.73	3762653.67	5.02E-08	1.71E-07	2.21E-07	7.80E-09	2.80E-08	3.58E-08	4.20E-09	1.30E-08	1.72E-08
4714	437268.56	3762639.55	4.73E-08	1.61E-07	2.09E-07	7.35E-09	2.63E-08	3.37E-08	3.96E-09	1.22E-08	1.62E-08
4715	437274.39	3762625.44	4.43E-08	1.51E-07	1.95E-07	6.88E-09	2.47E-08	3.16E-08	3.71E-09	1.14E-08	1.52E-08
4716	437280.22	3762611.32	4.13E-08	1.41E-07	1.82E-07	6.42E-09	2.30E-08	2.94E-08	3.46E-09	1.07E-08	1.41E-08
4717	437301.84	3762573.09	3.42E-08	1.17E-07	1.51E-07	5.32E-09	1.91E-08	2.44E-08	2.86E-09	8.84E-09	1.17E-08
4718	437315.93	3762567.21	3.45E-08	1.18E-07	1.52E-07	5.36E-09	1.92E-08	2.46E-08	2.89E-09	8.91E-09	1.18E-08
4719	437330.03	3762561.32	3.45E-08	1.18E-07	1.52E-07	5.36E-09	1.92E-08	2.46E-08	2.89E-09	8.92E-09	1.18E-08
4720	437344.12	3762555.44	3.44E-08	1.17E-07	1.52E-07	5.34E-09	1.91E-08	2.45E-08	2.88E-09	8.88E-09	1.18E-08
4721	437358.21	3762549.55	3.41E-08	1.16E-07	1.50E-07	5.29E-09	1.90E-08	2.43E-08	2.85E-09	8.80E-09	1.17E-08
4722	437372.3	3762543.67	3.36E-08	1.15E-07	1.48E-07	5.22E-09	1.87E-08	2.39E-08	2.81E-09	8.69E-09	1.15E-08
4723	437253.98	3762682.8	5.72E-08	1.95E-07	2.52E-07	8.88E-09	3.18E-08	4.07E-08	4.78E-09	1.48E-08	1.96E-08
4724	437236.9	3762667.78	4.59E-08	1.56E-07	2.02E-07	7.13E-09	2.56E-08	3.27E-08	3.84E-09	1.19E-08	1.57E-08
4725	437242.73	3762653.67	4.38E-08	1.49E-07	1.93E-07	6.80E-09	2.44E-08	3.12E-08	3.66E-09	1.13E-08	1.50E-08
4726	437248.56	3762639.55	4.15E-08	1.42E-07	1.83E-07	6.45E-09	2.31E-08	2.96E-08	3.48E-09	1.07E-08	1.42E-08
4727	437254.39	3762625.44	3.93E-08	1.34E-07	1.73E-07	6.11E-09	2.19E-08	2.80E-08	3.29E-09	1.02E-08	1.34E-08
4728	437260.22	3762611.32	3.7E-08	1.26E-07	1.63E-07	5.75E-09	2.06E-08	2.64E-08	3.10E-09	9.56E-09	1.27E-08
4729	437287.67	3762558.98	2.92E-08	9.96E-08	1.29E-07	4.54E-09	1.63E-08	2.08E-08	2.45E-09	7.55E-09	9.99E-09
4730	437301.76	3762553.09	2.95E-08	1.00E-07	1.30E-07	4.58E-09	1.64E-08	2.10E-08	2.47E-09	7.61E-09	1.01E-08
4731	437315.86	3762547.21	2.95E-08	1.01E-07	1.30E-07	4.59E-09	1.65E-08	2.10E-08	2.47E-09	7.63E-09	1.01E-08
4732	437329.95	3762541.32	2.94E-08	1.00E-07	1.30E-07	4.58E-09	1.64E-08	2.10E-08	2.46E-09	7.61E-09	1.01E-08
4733	437344.04	3762535.44	2.92E-08	9.97E-08	1.29E-07	4.54E-09	1.63E-08	2.08E-08	2.45E-09	7.55E-09	1.00E-08
4734	437358.13	3762529.55	2.89E-08	9.85E-08	1.27E-07	4.49E-09	1.61E-08	2.06E-08	2.42E-09	7.46E-09	9.88E-09
4735	437372.23	3762523.67	2.84E-08	9.70E-08	1.25E-07	4.42E-09	1.58E-08	2.03E-08	2.38E-09	7.35E-09	9.73E-09
4736	437233.98	3762682.8	4.91E-08	1.67E-07	2.16E-07	7.63E-09	2.73E-08	3.50E-08	4.11E-09	1.27E-08	1.68E-08
4737	437216.9	3762667.78	4E-08	1.37E-07	1.77E-07	6.22E-09	2.23E-08	2.85E-08	3.35E-09	1.03E-08	1.37E-08
4738	437222.73	3762653.67	3.85E-08	1.31E-07	1.70E-07	5.98E-09	2.14E-08	2.74E-08	3.22E-09	9.95E-09	1.32E-08
4739	437228.56	3762639.55	3.68E-08	1.26E-07	1.62E-07	5.72E-09	2.05E-08	2.62E-08	3.08E-09	9.51E-09	1.26E-08
4740	437234.39	3762625.44	3.51E-08	1.20E-07	1.55E-07	5.45E-09	1.95E-08	2.50E-08	2.93E-09	9.06E-09	1.20E-08
4741	437240.22	3762611.32	3.33E-08	1.13E-07	1.47E-07	5.17E-09	1.85E-08	2.37E-08	2.78E-09	8.59E-09	1.14E-08
4742	437287.6	3762538.98	2.55E-08	8.69E-08	1.12E-07	3.96E-09	1.42E-08	1.81E-08	2.13E-09	6.58E-09	8.71E-09
4743	437301.69	3762533.09	2.55E-08	8.71E-08	1.13E-07	3.97E-09	1.42E-08	1.82E-08	2.14E-09	6.60E-09	8.74E-09
4744	437315.78	3762527.21	2.55E-08	8.70E-08	1.12E-07	3.96E-09	1.42E-08	1.82E-08	2.13E-09	6.59E-09	8.72E-09
4745	437329.87	3762521.32	2.53E-08	8.64E-08	1.12E-07	3.94E-09	1.41E-08	1.81E-08	2.12E-09	6.55E-09	8.67E-09
4746	437343.97	3762515.44	2.51E-08	8.55E-08	1.11E-07	3.90E-09	1.40E-08	1.79E-08	2.10E-09	6.48E-09	8.58E-09
4747	437358.06	3762509.55	2.47E-08	8.44E-08	1.09E-07	3.84E-09	1.38E-08	1.76E-08	2.07E-09	6.39E-09	8.46E-09
4748	437372.15	3762503.67	2.43E-08	8.30E-08	1.07E-07	3.78E-09	1.36E-08	1.73E-08	2.04E-09	6.29E-09	8.33E-09
4749	437213.98	3762682.8	4.24E-08	1.45E-07	1.87E-07	6.59E-09	2.36E-08	3.02E-08	3.55E-09	1.10E-08	1.45E-08
4750	437196.9	3762667.78	3.51E-08	1.20E-07	1.55E-07	5.45E-09	1.95E-08	2.50E-08	2.94E-09	9.07E-09	1.20E-08
4751	437202.73	3762653.67	3.4E-08	1.16E-07	1.50E-07	5.28E-09	1.89E-08	2.42E-08	2.84E-09	8.77E-09	1.16E-08
4752	437208.56	3762639.55	3.27E-08	1.11E-07	1.44E-07	5.08E-09	1.82E-08	2.33E-08	2.74E-09	8.45E-09	1.12E-08
4753	437214.39	3762625.44	3.13E-08	1.07E-07	1.38E-07	4.87E-09	1.75E-08	2.23E-08	2.62E-09	8.10E-09	1.07E-08
4754	437220.22	3762611.32	3E-08	1.02E-07	1.32E-07	4.66E-09	1.67E-08	2.14E-08	2.51E-09	7.74E-09	1.03E-08

4755	437259.33	3762530.75	2.21E-08	7.52E-08	9.73E-08	3.43E-09	1.23E-08	1.57E-08	1.85E-09	5.70E-09	7.54E-09
4756	437273.43	3762524.86	2.22E-08	7.59E-08	9.81E-08	3.46E-09	1.24E-08	1.58E-08	1.86E-09	5.75E-09	7.61E-09
4757	437287.52	3762518.98	2.23E-08	7.61E-08	9.84E-08	3.47E-09	1.24E-08	1.59E-08	1.87E-09	5.77E-09	7.64E-09
4758	437301.61	3762513.09	2.23E-08	7.60E-08	9.83E-08	3.46E-09	1.24E-08	1.59E-08	1.87E-09	5.76E-09	7.63E-09
4759	437315.7	3762507.21	2.22E-08	7.56E-08	9.78E-08	3.45E-09	1.24E-08	1.58E-08	1.86E-09	5.73E-09	7.59E-09
4760	437329.8	3762501.32	2.2E-08	7.50E-08	9.70E-08	3.42E-09	1.22E-08	1.57E-08	1.84E-09	5.68E-09	7.52E-09
4761	437343.89	3762495.44	2.17E-08	7.41E-08	9.58E-08	3.38E-09	1.21E-08	1.55E-08	1.82E-09	5.61E-09	7.43E-09
4762	437357.98	3762489.55	2.14E-08	7.30E-08	9.44E-08	3.33E-09	1.19E-08	1.52E-08	1.79E-09	5.53E-09	7.32E-09
4763	437372.07	3762483.67	2.1E-08	7.18E-08	9.28E-08	3.27E-09	1.17E-08	1.50E-08	1.76E-09	5.44E-09	7.20E-09
4764	437193.98	3762682.8	3.69E-08	1.26E-07	1.63E-07	5.73E-09	2.05E-08	2.63E-08	3.09E-09	9.53E-09	1.26E-08
4765	437200.22	3762611.32	2.7E-08	9.21E-08	1.19E-07	4.20E-09	1.50E-08	1.92E-08	2.26E-09	6.98E-09	9.24E-09
4766	437229.37	3762540.75	2.11E-08	7.20E-08	9.31E-08	3.28E-09	1.18E-08	1.50E-08	1.77E-09	5.45E-09	7.22E-09
4767	437235.2	3762526.63	1.99E-08	6.79E-08	8.78E-08	3.09E-09	1.11E-08	1.42E-08	1.67E-09	5.15E-09	6.81E-09
4768	437245.16	3762516.63	1.94E-08	6.63E-08	8.57E-08	3.02E-09	1.08E-08	1.38E-08	1.63E-09	5.02E-09	6.65E-09
4769	437259.26	3762510.75	1.96E-08	6.68E-08	8.64E-08	3.04E-09	1.09E-08	1.40E-08	1.64E-09	5.06E-09	6.70E-09
4770	437273.35	3762504.86	1.97E-08	6.71E-08	8.68E-08	3.06E-09	1.10E-08	1.40E-08	1.65E-09	5.08E-09	6.73E-09
4771	437287.44	3762498.98	1.97E-08	6.71E-08	8.67E-08	3.06E-09	1.10E-08	1.40E-08	1.65E-09	5.08E-09	6.73E-09
4772	437301.53	3762493.09	1.96E-08	6.68E-08	8.63E-08	3.04E-09	1.09E-08	1.39E-08	1.64E-09	5.06E-09	6.70E-09
4773	437315.63	3762487.21	1.94E-08	6.63E-08	8.57E-08	3.02E-09	1.08E-08	1.38E-08	1.63E-09	5.02E-09	6.65E-09
4774	437329.72	3762481.32	1.92E-08	6.56E-08	8.48E-08	2.99E-09	1.07E-08	1.37E-08	1.61E-09	4.97E-09	6.58E-09
4775	437343.81	3762475.44	1.9E-08	6.47E-08	8.36E-08	2.95E-09	1.06E-08	1.35E-08	1.59E-09	4.90E-09	6.49E-09
4776	437357.9	3762469.55	1.87E-08	6.37E-08	8.23E-08	2.90E-09	1.04E-08	1.33E-08	1.56E-09	4.82E-09	6.39E-09
4777	437372	3762463.67	1.83E-08	6.26E-08	8.09E-08	2.85E-09	1.02E-08	1.31E-08	1.54E-09	4.74E-09	6.28E-09
4778	437209.37	3762540.75	1.96E-08	6.69E-08	8.66E-08	3.05E-09	1.09E-08	1.40E-08	1.64E-09	5.07E-09	6.72E-09
4779	437215.2	3762526.63	1.86E-08	6.35E-08	8.22E-08	2.90E-09	1.04E-08	1.33E-08	1.56E-09	4.81E-09	6.37E-09
4780	437221.03	3762512.52	1.76E-08	6.02E-08	7.78E-08	2.74E-09	9.83E-09	1.26E-08	1.48E-09	4.56E-09	6.04E-09
4781	437231	3762502.52	1.73E-08	5.88E-08	7.61E-08	2.68E-09	9.61E-09	1.23E-08	1.44E-09	4.46E-09	5.90E-09
4782	437245.09	3762496.63	1.74E-08	5.93E-08	7.67E-08	2.70E-09	9.69E-09	1.24E-08	1.46E-09	4.49E-09	5.95E-09
4783	437259.18	3762490.75	1.75E-08	5.96E-08	7.70E-08	2.71E-09	9.73E-09	1.24E-08	1.46E-09	4.51E-09	5.98E-09
4784	437273.27	3762484.86	1.75E-08	5.96E-08	7.71E-08	2.72E-09	9.74E-09	1.25E-08	1.46E-09	4.52E-09	5.98E-09
4785	437287.36	3762478.98	1.74E-08	5.94E-08	7.68E-08	2.71E-09	9.70E-09	1.24E-08	1.46E-09	4.50E-09	5.96E-09
4786	437301.46	3762473.09	1.73E-08	5.90E-08	7.63E-08	2.69E-09	9.63E-09	1.23E-08	1.45E-09	4.47E-09	5.92E-09
4787	437315.55	3762467.21	1.71E-08	5.84E-08	7.55E-08	2.66E-09	9.54E-09	1.22E-08	1.43E-09	4.43E-09	5.86E-09
4788	437329.64	3762461.32	1.69E-08	5.77E-08	7.46E-08	2.63E-09	9.42E-09	1.20E-08	1.42E-09	4.37E-09	5.79E-09
4789	437343.73	3762455.44	1.67E-08	5.68E-08	7.35E-08	2.59E-09	9.29E-09	1.19E-08	1.40E-09	4.31E-09	5.70E-09
4790	437357.83	3762449.55	1.64E-08	5.59E-08	7.23E-08	2.55E-09	9.13E-09	1.17E-08	1.37E-09	4.24E-09	5.61E-09
4791	437371.92	3762443.67	1.61E-08	5.50E-08	7.11E-08	2.50E-09	8.98E-09	1.15E-08	1.35E-09	4.16E-09	5.51E-09
4792	437137.01	3762667.5	2.45E-08	8.35E-08	1.08E-07	3.80E-09	1.36E-08	1.74E-08	2.05E-09	6.33E-09	8.37E-09
4793	437143.08	3762652.82	2.39E-08	8.17E-08	1.06E-07	3.72E-09	1.33E-08	1.71E-08	2.00E-09	6.19E-09	8.19E-09
4794	437191.59	3762535.38	1.79E-08	6.11E-08	7.90E-08	2.78E-09	9.98E-09	1.28E-08	1.50E-09	4.63E-09	6.13E-09
4795	437197.65	3762520.7	1.7E-08	5.81E-08	7.52E-08	2.65E-09	9.50E-09	1.21E-08	1.43E-09	4.40E-09	5.83E-09
4796	437203.72	3762506.03	1.62E-08	5.52E-08	7.14E-08	2.52E-09	9.02E-09	1.15E-08	1.35E-09	4.18E-09	5.54E-09
4797	437217.11	3762488.29	1.54E-08	5.26E-08	6.80E-08	2.40E-09	8.59E-09	1.10E-08	1.29E-09	3.98E-09	5.27E-09
4798	437231.76	3762482.17	1.55E-08	5.30E-08	6.85E-08	2.41E-09	8.66E-09	1.11E-08	1.30E-09	4.02E-09	5.32E-09
4799	437246.42	3762476.04	1.56E-08	5.32E-08	6.88E-08	2.43E-09	8.70E-09	1.11E-08	1.31E-09	4.03E-09	5.34E-09
4800	437261.08	3762469.92	1.56E-08	5.33E-08	6.89E-08	2.43E-09	8.70E-09	1.11E-08	1.31E-09	4.04E-09	5.34E-09
4801	437275.73	3762463.8	1.56E-08	5.31E-08	6.87E-08	2.42E-09	8.68E-09	1.11E-08	1.30E-09	4.03E-09	5.33E-09
4802	437290.39	3762457.68	1.55E-08	5.28E-08	6.82E-08	2.40E-09	8.62E-09	1.10E-08	1.29E-09	4.00E-09	5.29E-09
4803	437305.04	3762451.56	1.53E-08	5.22E-08	6.75E-08	2.38E-09	8.53E-09	1.09E-08	1.28E-09	3.96E-09	5.24E-09
4804	437319.7	3762445.44	1.51E-08	5.16E-08	6.67E-08	2.35E-09	8.42E-09	1.08E-08	1.27E-09	3.91E-09	5.17E-09
4805	437334.36	3762439.32	1.49E-08	5.08E-08	6.57E-08	2.32E-09	8.30E-09	1.06E-08	1.25E-09	3.85E-09	5.10E-09
4806	437349.01	3762433.2	1.47E-08	5.00E-08	6.46E-08	2.28E-09	8.16E-09	1.04E-08	1.23E-09	3.79E-09	5.01E-09
4807	437363.67	3762427.08	1.44E-08	4.91E-08	6.35E-08	2.24E-09	8.02E-09	1.03E-08	1.21E-09	3.72E-09	4.93E-09
4808	437378.33	3762420.96	1.41E-08	4.82E-08	6.24E-08	2.20E-09	7.88E-09	1.01E-08	1.18E-09	3.65E-09	4.84E-09
4809	437133.98	3762682.8	2.54E-08	8.65E-08	1.12E-07	3.94E-09	1.41E-08	1.81E-08	2.12E-09	6.56E-09	8.68E-09
4810	437133.98	3762698.72	2.67E-08	9.10E-08	1.18E-07	4.15E-09	1.49E-08	1.90E-08	2.23E-09	6.89E-09	9.13E-09
4811	437117	3762667.52	2.2E-08	7.49E-08	9.69E-08	3.41E-09	1.22E-08	1.57E-08	1.84E-09	5.68E-09	7.52E-09
4812	437123.05	3762652.88	2.16E-08	7.35E-08	9.51E-08	3.35E-09	1.20E-08	1.54E-08	1.80E-09	5.57E-09	7.38E-09
4813	437129.1	3762638.25	2.11E-08	7.18E-08	9.29E-08	3.27E-09	1.17E-08	1.50E-08	1.76E-09	5.44E-09	7.21E-09
4814	437135.14	3762623.61	2.05E-08	7.00E-08	9.05E-08	3.19E-09	1.14E-08	1.46E-08	1.72E-09	5.30E-09	7.02E-09
4815	437141.19	3762608.97	2E-08	6.81E-08	8.80E-08	3.10E-09	1.11E-08	1.42E-08	1.67E-09	5.16E-09	6.83E-09

4816	437147.24	3762594.33	1.94E-08	6.60E-08	8.54E-08	3.01E-09	1.08E-08	1.38E-08	1.62E-09	5.00E-09	6.62E-09
4817	437189.56	3762491.87	1.45E-08	4.94E-08	6.39E-08	2.25E-09	8.08E-09	1.03E-08	1.21E-09	3.75E-09	4.96E-09
4818	437202.92	3762474.18	1.39E-08	4.73E-08	6.11E-08	2.15E-09	7.72E-09	9.87E-09	1.16E-09	3.58E-09	4.74E-09
4819	437217.53	3762468.08	1.4E-08	4.76E-08	6.16E-08	2.17E-09	7.78E-09	9.95E-09	1.17E-09	3.61E-09	4.78E-09
4820	437232.15	3762461.97	1.4E-08	4.78E-08	6.19E-08	2.18E-09	7.82E-09	1.00E-08	1.17E-09	3.63E-09	4.80E-09
4821	437246.76	3762455.87	1.4E-08	4.79E-08	6.19E-08	2.18E-09	7.82E-09	1.00E-08	1.18E-09	3.63E-09	4.80E-09
4822	437261.38	3762449.77	1.4E-08	4.78E-08	6.18E-08	2.18E-09	7.81E-09	9.98E-09	1.17E-09	3.62E-09	4.79E-09
4823	437275.99	3762443.66	1.39E-08	4.75E-08	6.15E-08	2.17E-09	7.77E-09	9.93E-09	1.17E-09	3.60E-09	4.77E-09
4824	437290.6	3762437.56	1.38E-08	4.71E-08	6.09E-08	2.15E-09	7.70E-09	9.85E-09	1.16E-09	3.57E-09	4.73E-09
4825	437305.22	3762431.46	1.37E-08	4.66E-08	6.02E-08	2.12E-09	7.61E-09	9.73E-09	1.14E-09	3.53E-09	4.67E-09
4826	437319.83	3762425.36	1.35E-08	4.59E-08	5.94E-08	2.09E-09	7.50E-09	9.60E-09	1.13E-09	3.48E-09	4.61E-09
4827	437334.45	3762419.25	1.33E-08	4.52E-08	5.85E-08	2.06E-09	7.39E-09	9.45E-09	1.11E-09	3.43E-09	4.54E-09
4828	437349.06	3762413.15	1.3E-08	4.45E-08	5.75E-08	2.03E-09	7.27E-09	9.29E-09	1.09E-09	3.37E-09	4.46E-09
4829	437363.68	3762407.05	1.28E-08	4.37E-08	5.65E-08	1.99E-09	7.14E-09	9.13E-09	1.07E-09	3.31E-09	4.39E-09
4830	437378.29	3762400.94	1.26E-08	4.29E-08	5.55E-08	1.96E-09	7.02E-09	8.97E-09	1.05E-09	3.25E-09	4.31E-09
4831	437113.98	3762682.8	2.27E-08	7.74E-08	1.00E-07	3.53E-09	1.26E-08	1.62E-08	1.90E-09	5.87E-09	7.77E-09
4832	437113.98	3762698.72	2.38E-08	8.10E-08	1.05E-07	3.69E-09	1.32E-08	1.69E-08	1.99E-09	6.14E-09	8.13E-09
4833	437097	3762667.54	1.98E-08	6.76E-08	8.74E-08	3.08E-09	1.10E-08	1.41E-08	1.66E-09	5.12E-09	6.78E-09
4834	437103.03	3762652.94	1.95E-08	6.65E-08	8.60E-08	3.03E-09	1.09E-08	1.39E-08	1.63E-09	5.04E-09	6.67E-09
4835	437109.06	3762638.34	1.91E-08	6.52E-08	8.43E-08	2.97E-09	1.07E-08	1.36E-08	1.60E-09	4.94E-09	6.54E-09
4836	437115.09	3762623.73	1.87E-08	6.37E-08	8.24E-08	2.90E-09	1.04E-08	1.33E-08	1.56E-09	4.83E-09	6.39E-09
4837	437121.12	3762609.13	1.82E-08	6.21E-08	8.03E-08	2.83E-09	1.01E-08	1.30E-08	1.52E-09	4.70E-09	6.23E-09
4838	437127.15	3762594.53	1.77E-08	6.04E-08	7.81E-08	2.75E-09	9.86E-09	1.26E-08	1.48E-09	4.58E-09	6.06E-09
4839	437133.19	3762579.93	1.72E-08	5.87E-08	7.59E-08	2.67E-09	9.58E-09	1.23E-08	1.44E-09	4.44E-09	5.88E-09
4840	437139.22	3762565.33	1.67E-08	5.68E-08	7.35E-08	2.59E-09	9.28E-09	1.19E-08	1.39E-09	4.31E-09	5.70E-09
4841	437145.25	3762550.73	1.61E-08	5.49E-08	7.10E-08	2.50E-09	8.97E-09	1.15E-08	1.35E-09	4.16E-09	5.51E-09
4842	437188.73	3762460.07	1.25E-08	4.27E-08	5.53E-08	1.95E-09	6.98E-09	8.93E-09	1.05E-09	3.24E-09	4.29E-09
4843	437203.31	3762453.98	1.26E-08	4.31E-08	5.57E-08	1.96E-09	7.04E-09	9.00E-09	1.06E-09	3.26E-09	4.32E-09
4844	437217.89	3762447.9	1.27E-08	4.33E-08	5.60E-08	1.97E-09	7.07E-09	9.04E-09	1.06E-09	3.28E-09	4.34E-09
4845	437232.47	3762441.81	1.27E-08	4.33E-08	5.61E-08	1.98E-09	7.08E-09	9.06E-09	1.06E-09	3.28E-09	4.35E-09
4846	437247.04	3762435.72	1.27E-08	4.33E-08	5.59E-08	1.97E-09	7.07E-09	9.04E-09	1.06E-09	3.28E-09	4.34E-09
4847	437261.62	3762429.63	1.26E-08	4.31E-08	5.57E-08	1.96E-09	7.03E-09	9.00E-09	1.06E-09	3.26E-09	4.32E-09
4848	437276.2	3762423.54	1.25E-08	4.27E-08	5.53E-08	1.95E-09	6.98E-09	8.93E-09	1.05E-09	3.24E-09	4.29E-09
4849	437290.78	3762417.46	1.24E-08	4.23E-08	5.47E-08	1.93E-09	6.91E-09	8.83E-09	1.04E-09	3.20E-09	4.24E-09
4850	437305.36	3762411.37	1.22E-08	4.17E-08	5.40E-08	1.90E-09	6.82E-09	8.72E-09	1.02E-09	3.16E-09	4.19E-09
4851	437319.94	3762405.28	1.21E-08	4.11E-08	5.32E-08	1.87E-09	6.72E-09	8.60E-09	1.01E-09	3.12E-09	4.13E-09
4852	437334.51	3762399.19	1.19E-08	4.05E-08	5.24E-08	1.84E-09	6.61E-09	8.46E-09	9.94E-10	3.07E-09	4.06E-09
4853	437349.09	3762393.11	1.17E-08	3.98E-08	5.15E-08	1.81E-09	6.50E-09	8.32E-09	9.77E-10	3.02E-09	3.99E-09
4854	437363.67	3762387.02	1.15E-08	3.91E-08	5.06E-08	1.78E-09	6.39E-09	8.18E-09	9.61E-10	2.97E-09	3.93E-09
4855	437378.25	3762380.93	1.13E-08	3.85E-08	4.98E-08	1.75E-09	6.28E-09	8.04E-09	9.44E-10	2.92E-09	3.86E-09
4856	437093.98	3762682.8	2.04E-08	6.96E-08	9.00E-08	3.17E-09	1.14E-08	1.45E-08	1.71E-09	5.28E-09	6.98E-09
4857	437093.98	3762698.72	2.13E-08	7.26E-08	9.39E-08	3.31E-09	1.19E-08	1.52E-08	1.78E-09	5.50E-09	7.29E-09
4858	437066.99	3762667.56	1.71E-08	5.84E-08	7.56E-08	2.66E-09	9.54E-09	1.22E-08	1.43E-09	4.43E-09	5.86E-09
4859	437073	3762653.01	1.69E-08	5.77E-08	7.46E-08	2.63E-09	9.42E-09	1.20E-08	1.42E-09	4.37E-09	5.78E-09
4860	437079.01	3762638.45	1.66E-08	5.67E-08	7.33E-08	2.58E-09	9.26E-09	1.18E-08	1.39E-09	4.30E-09	5.69E-09
4861	437085.03	3762623.89	1.63E-08	5.56E-08	7.19E-08	2.53E-09	9.09E-09	1.16E-08	1.37E-09	4.22E-09	5.58E-09
4862	437091.04	3762609.34	1.6E-08	5.45E-08	7.04E-08	2.48E-09	8.90E-09	1.14E-08	1.34E-09	4.13E-09	5.46E-09
4863	437097.05	3762594.78	1.56E-08	5.32E-08	6.88E-08	2.42E-09	8.68E-09	1.11E-08	1.30E-09	4.03E-09	5.33E-09
4864	437103.06	3762580.23	1.52E-08	5.18E-08	6.69E-08	2.36E-09	8.46E-09	1.08E-08	1.27E-09	3.92E-09	5.19E-09
4865	437109.08	3762565.67	1.48E-08	5.03E-08	6.51E-08	2.29E-09	8.23E-09	1.05E-08	1.24E-09	3.82E-09	5.05E-09
4866	437115.09	3762551.11	1.43E-08	4.89E-08	6.33E-08	2.23E-09	7.99E-09	1.02E-08	1.20E-09	3.71E-09	4.91E-09
4867	437121.1	3762536.56	1.39E-08	4.74E-08	6.13E-08	2.16E-09	7.75E-09	9.91E-09	1.16E-09	3.59E-09	4.76E-09
4868	437127.12	3762522	1.34E-08	4.59E-08	5.93E-08	2.09E-09	7.49E-09	9.58E-09	1.13E-09	3.47E-09	4.60E-09
4869	437133.13	3762507.45	1.3E-08	4.43E-08	5.72E-08	2.02E-09	7.23E-09	9.25E-09	1.09E-09	3.35E-09	4.44E-09
4870	437139.14	3762492.89	1.25E-08	4.26E-08	5.51E-08	1.94E-09	6.96E-09	8.91E-09	1.05E-09	3.23E-09	4.28E-09
4871	437181.99	3762432.84	1.1E-08	3.74E-08	4.84E-08	1.71E-09	6.12E-09	7.82E-09	9.19E-10	2.84E-09	3.76E-09
4872	437196.52	3762426.77	1.1E-08	3.76E-08	4.87E-08	1.71E-09	6.15E-09	7.86E-09	9.23E-10	2.85E-09	3.77E-09
4873	437211.05	3762420.7	1.11E-08	3.77E-08	4.88E-08	1.72E-09	6.16E-09	7.88E-09	9.25E-10	2.86E-09	3.78E-09
4874	437225.58	3762414.63	1.1E-08	3.76E-08	4.87E-08	1.71E-09	6.15E-09	7.86E-09	9.24E-10	2.85E-09	3.78E-09
4875	437240.12	3762408.56	1.1E-08	3.75E-08	4.84E-08	1.71E-09	6.12E-09	7.83E-09	9.20E-10	2.84E-09	3.76E-09
4876	437254.65	3762402.5	1.09E-08	3.72E-08	4.81E-08	1.70E-09	6.08E-09	7.77E-09	9.13E-10	2.82E-09	3.73E-09

4877	437269.18	3762396.43	1.08E-08	3.69E-08	4.77E-08	1.68E-09	6.02E-09	7.70E-09	9.05E-10	2.79E-09	3.70E-09
4878	437283.72	3762390.36	1.07E-08	3.65E-08	4.72E-08	1.66E-09	5.96E-09	7.62E-09	8.95E-10	2.76E-09	3.66E-09
4879	437298.25	3762384.29	1.06E-08	3.60E-08	4.65E-08	1.64E-09	5.88E-09	7.52E-09	8.83E-10	2.73E-09	3.61E-09
4880	437312.78	3762378.22	1.04E-08	3.55E-08	4.59E-08	1.62E-09	5.79E-09	7.41E-09	8.70E-10	2.69E-09	3.56E-09
4881	437327.31	3762372.15	1.02E-08	3.49E-08	4.51E-08	1.59E-09	5.70E-09	7.29E-09	8.56E-10	2.64E-09	3.50E-09
4882	437341.85	3762366.08	1.01E-08	3.43E-08	4.44E-08	1.56E-09	5.61E-09	7.17E-09	8.42E-10	2.60E-09	3.44E-09
4883	437356.38	3762360.01	9.9E-09	3.38E-08	4.37E-08	1.54E-09	5.51E-09	7.05E-09	8.29E-10	2.56E-09	3.39E-09
4884	437370.91	3762353.95	9.74E-09	3.32E-08	4.29E-08	1.51E-09	5.43E-09	6.94E-09	8.15E-10	2.52E-09	3.33E-09
4885	437063.98	3762682.8	1.76E-08	5.99E-08	7.75E-08	2.73E-09	9.79E-09	1.25E-08	1.47E-09	4.54E-09	6.01E-09
4886	437063.98	3762698.72	1.82E-08	6.22E-08	8.04E-08	2.83E-09	1.02E-08	1.30E-08	1.53E-09	4.71E-09	6.24E-09
4887	437036.98	3762667.58	1.5E-08	5.10E-08	6.59E-08	2.32E-09	8.33E-09	1.07E-08	1.25E-09	3.86E-09	5.11E-09
4888	437042.98	3762653.06	1.48E-08	5.04E-08	6.52E-08	2.30E-09	8.24E-09	1.05E-08	1.24E-09	3.82E-09	5.06E-09
4889	437048.97	3762638.54	1.46E-08	4.97E-08	6.43E-08	2.27E-09	8.13E-09	1.04E-08	1.22E-09	3.77E-09	4.99E-09
4890	437054.97	3762624.03	1.43E-08	4.89E-08	6.33E-08	2.23E-09	7.99E-09	1.02E-08	1.20E-09	3.71E-09	4.91E-09
4891	437060.97	3762609.51	1.41E-08	4.80E-08	6.21E-08	2.19E-09	7.84E-09	1.00E-08	1.18E-09	3.64E-09	4.82E-09
4892	437066.97	3762594.99	1.38E-08	4.70E-08	6.08E-08	2.14E-09	7.68E-09	9.82E-09	1.15E-09	3.56E-09	4.71E-09
4893	437072.96	3762580.47	1.34E-08	4.59E-08	5.93E-08	2.09E-09	7.49E-09	9.58E-09	1.13E-09	3.48E-09	4.60E-09
4894	437078.96	3762565.95	1.31E-08	4.47E-08	5.78E-08	2.04E-09	7.30E-09	9.34E-09	1.10E-09	3.39E-09	4.49E-09
4895	437084.96	3762551.43	1.28E-08	4.36E-08	5.64E-08	1.99E-09	7.13E-09	9.11E-09	1.07E-09	3.31E-09	4.38E-09
4896	437090.95	3762536.92	1.25E-08	4.25E-08	5.50E-08	1.94E-09	6.94E-09	8.88E-09	1.04E-09	3.22E-09	4.26E-09
4897	437096.95	3762522.4	1.21E-08	4.13E-08	5.34E-08	1.88E-09	6.75E-09	8.63E-09	1.01E-09	3.13E-09	4.15E-09
4898	437102.95	3762507.88	1.18E-08	4.01E-08	5.19E-08	1.83E-09	6.55E-09	8.38E-09	9.84E-10	3.04E-09	4.02E-09
4899	437108.95	3762493.36	1.14E-08	3.89E-08	5.03E-08	1.77E-09	6.35E-09	8.12E-09	9.54E-10	2.94E-09	3.90E-09
4900	437126.94	3762449.81	1.03E-08	3.51E-08	4.53E-08	1.60E-09	5.73E-09	7.32E-09	8.60E-10	2.66E-09	3.52E-09
4901	437132.94	3762435.29	9.9E-09	3.38E-08	4.37E-08	1.54E-09	5.52E-09	7.05E-09	8.29E-10	2.56E-09	3.39E-09
4902	437146.18	3762417.74	9.56E-09	3.26E-08	4.21E-08	1.49E-09	5.32E-09	6.81E-09	8.00E-10	2.47E-09	3.27E-09
4903	437189.67	3762399.59	9.68E-09	3.30E-08	4.27E-08	1.50E-09	5.39E-09	6.90E-09	8.11E-10	2.50E-09	3.31E-09
4904	437204.16	3762393.53	9.68E-09	3.30E-08	4.27E-08	1.50E-09	5.39E-09	6.89E-09	8.10E-10	2.50E-09	3.31E-09
4905	437218.66	3762387.48	9.65E-09	3.29E-08	4.25E-08	1.50E-09	5.37E-09	6.87E-09	8.07E-10	2.49E-09	3.30E-09
4906	437233.15	3762381.43	9.59E-09	3.27E-08	4.23E-08	1.49E-09	5.34E-09	6.83E-09	8.03E-10	2.48E-09	3.28E-09
4907	437247.65	3762375.37	9.51E-09	3.24E-08	4.19E-08	1.48E-09	5.30E-09	6.78E-09	7.96E-10	2.46E-09	3.25E-09
4908	437262.14	3762369.32	9.42E-09	3.21E-08	4.15E-08	1.46E-09	5.25E-09	6.71E-09	7.88E-10	2.43E-09	3.22E-09
4909	437276.64	3762363.27	9.31E-09	3.17E-08	4.10E-08	1.45E-09	5.18E-09	6.63E-09	7.79E-10	2.40E-09	3.18E-09
4910	437291.13	3762357.21	9.18E-09	3.13E-08	4.05E-08	1.43E-09	5.12E-09	6.54E-09	7.69E-10	2.37E-09	3.14E-09
4911	437305.63	3762351.16	9.05E-09	3.09E-08	3.99E-08	1.41E-09	5.04E-09	6.45E-09	7.57E-10	2.34E-09	3.10E-09
4912	437320.12	3762345.11	8.91E-09	3.04E-08	3.93E-08	1.38E-09	4.96E-09	6.35E-09	7.46E-10	2.30E-09	3.05E-09
4913	437334.62	3762339.05	8.76E-09	2.99E-08	3.87E-08	1.36E-09	4.88E-09	6.24E-09	7.34E-10	2.26E-09	3.00E-09
4914	437349.11	3762333	8.63E-09	2.94E-08	3.80E-08	1.34E-09	4.80E-09	6.15E-09	7.22E-10	2.23E-09	2.95E-09
4915	437363.61	3762326.95	8.49E-09	2.90E-08	3.74E-08	1.32E-09	4.73E-09	6.05E-09	7.11E-10	2.19E-09	2.90E-09
4916	437378.1	3762320.9	8.36E-09	2.85E-08	3.69E-08	1.30E-09	4.66E-09	5.96E-09	7.00E-10	2.16E-09	2.86E-09
4917	437033.98	3762682.8	1.53E-08	5.21E-08	6.74E-08	2.38E-09	8.52E-09	1.09E-08	1.28E-09	3.95E-09	5.23E-09
4918	437033.98	3762698.72	1.58E-08	5.39E-08	6.97E-08	2.46E-09	8.80E-09	1.13E-08	1.32E-09	4.08E-09	5.41E-09
4919	437006.97	3762667.6	1.32E-08	4.49E-08	5.81E-08	2.05E-09	7.33E-09	9.38E-09	1.10E-09	3.40E-09	4.50E-09
4920	437012.96	3762653.11	1.3E-08	4.45E-08	5.75E-08	2.03E-09	7.27E-09	9.30E-09	1.09E-09	3.37E-09	4.46E-09
4921	437018.94	3762638.62	1.29E-08	4.40E-08	5.68E-08	2.00E-09	7.18E-09	9.18E-09	1.08E-09	3.33E-09	4.41E-09
4922	437024.92	3762624.14	1.27E-08	4.33E-08	5.60E-08	1.97E-09	7.08E-09	9.05E-09	1.06E-09	3.28E-09	4.35E-09
4923	437030.91	3762609.65	1.25E-08	4.26E-08	5.51E-08	1.94E-09	6.96E-09	8.91E-09	1.05E-09	3.23E-09	4.28E-09
4924	437036.89	3762595.16	1.23E-08	4.18E-08	5.41E-08	1.91E-09	6.83E-09	8.74E-09	1.03E-09	3.17E-09	4.20E-09
4925	437042.88	3762580.68	1.2E-08	4.09E-08	5.28E-08	1.86E-09	6.67E-09	8.54E-09	1.00E-09	3.10E-09	4.10E-09
4926	437048.86	3762566.19	1.17E-08	3.99E-08	5.16E-08	1.82E-09	6.52E-09	8.33E-09	9.79E-10	3.02E-09	4.00E-09
4927	437054.85	3762551.71	1.14E-08	3.90E-08	5.05E-08	1.78E-09	6.37E-09	8.15E-09	9.58E-10	2.96E-09	3.91E-09
4928	437060.83	3762537.22	1.12E-08	3.81E-08	4.93E-08	1.74E-09	6.23E-09	7.97E-09	9.36E-10	2.89E-09	3.82E-09
4929	437066.81	3762522.73	1.09E-08	3.72E-08	4.82E-08	1.70E-09	6.09E-09	7.78E-09	9.14E-10	2.82E-09	3.74E-09
4930	437072.8	3762508.25	1.07E-08	3.63E-08	4.70E-08	1.66E-09	5.94E-09	7.59E-09	8.92E-10	2.75E-09	3.65E-09
4931	437078.78	3762493.76	1.04E-08	3.54E-08	4.57E-08	1.61E-09	5.78E-09	7.39E-09	8.68E-10	2.68E-09	3.55E-09
4932	437096.73	3762450.3	9.48E-09	3.23E-08	4.18E-08	1.47E-09	5.28E-09	6.75E-09	7.94E-10	2.45E-09	3.24E-09
4933	437102.72	3762435.81	9.19E-09	3.13E-08	4.05E-08	1.43E-09	5.12E-09	6.55E-09	7.69E-10	2.37E-09	3.14E-09
4934	437108.7	3762421.33	8.88E-09	3.03E-08	3.92E-08	1.38E-09	4.95E-09	6.33E-09	7.44E-10	2.30E-09	3.04E-09
4935	437114.69	3762406.84	8.56E-09	2.92E-08	3.78E-08	1.33E-09	4.77E-09	6.10E-09	7.17E-10	2.21E-09	2.93E-09
4936	437124.91	3762396.58	8.44E-09	2.88E-08	3.72E-08	1.31E-09	4.70E-09	6.01E-09	7.06E-10	2.18E-09	2.89E-09
4937	437139.37	3762390.54	8.5E-09	2.90E-08	3.75E-08	1.32E-09	4.73E-09	6.05E-09	7.11E-10	2.20E-09	2.91E-09

4938	437182.76	3762372.42	8.56E-09	2.92E-08	3.77E-08	1.33E-09	4.77E-09	6.10E-09	7.16E-10	2.21E-09	2.93E-09
4939	437197.23	3762366.38	8.54E-09	2.91E-08	3.77E-08	1.33E-09	4.76E-09	6.08E-09	7.15E-10	2.21E-09	2.92E-09
4940	437211.69	3762360.34	8.48E-09	2.89E-08	3.74E-08	1.32E-09	4.72E-09	6.04E-09	7.10E-10	2.19E-09	2.90E-09
4941	437226.15	3762354.3	8.43E-09	2.87E-08	3.72E-08	1.31E-09	4.69E-09	6.00E-09	7.05E-10	2.18E-09	2.88E-09
4942	437240.62	3762348.26	8.36E-09	2.85E-08	3.69E-08	1.30E-09	4.66E-09	5.95E-09	7.00E-10	2.16E-09	2.86E-09
4943	437255.08	3762342.22	8.27E-09	2.82E-08	3.65E-08	1.29E-09	4.61E-09	5.89E-09	6.92E-10	2.14E-09	2.83E-09
4944	437269.54	3762336.18	8.17E-09	2.79E-08	3.60E-08	1.27E-09	4.55E-09	5.82E-09	6.84E-10	2.11E-09	2.80E-09
4945	437284.01	3762330.14	8.06E-09	2.75E-08	3.55E-08	1.25E-09	4.49E-09	5.74E-09	6.75E-10	2.08E-09	2.76E-09
4946	437298.47	3762324.1	7.94E-09	2.71E-08	3.50E-08	1.23E-09	4.43E-09	5.66E-09	6.65E-10	2.05E-09	2.72E-09
4947	437312.93	3762318.06	7.82E-09	2.67E-08	3.45E-08	1.22E-09	4.36E-09	5.57E-09	6.55E-10	2.02E-09	2.68E-09
4948	437327.4	3762312.02	7.7E-09	2.63E-08	3.40E-08	1.20E-09	4.29E-09	5.49E-09	6.45E-10	1.99E-09	2.64E-09
4949	437341.86	3762305.98	7.58E-09	2.59E-08	3.34E-08	1.18E-09	4.22E-09	5.40E-09	6.35E-10	1.96E-09	2.59E-09
4950	437356.32	3762299.94	7.47E-09	2.55E-08	3.29E-08	1.16E-09	4.16E-09	5.32E-09	6.25E-10	1.93E-09	2.56E-09
4951	437370.79	3762293.9	7.36E-09	2.51E-08	3.25E-08	1.14E-09	4.10E-09	5.25E-09	6.16E-10	1.90E-09	2.52E-09
4952	437003.98	3762682.8	1.34E-08	4.58E-08	5.92E-08	2.09E-09	7.48E-09	9.56E-09	1.12E-09	3.47E-09	4.59E-09
4953	437003.98	3762698.72	1.38E-08	4.71E-08	6.10E-08	2.15E-09	7.70E-09	9.85E-09	1.16E-09	3.57E-09	4.73E-09
4954	436976.97	3762667.61	1.17E-08	3.98E-08	5.15E-08	1.82E-09	6.51E-09	8.33E-09	9.78E-10	3.02E-09	4.00E-09
4955	436982.94	3762653.15	1.16E-08	3.96E-08	5.12E-08	1.80E-09	6.46E-09	8.26E-09	9.71E-10	3.00E-09	3.97E-09
4956	436988.91	3762638.69	1.15E-08	3.92E-08	5.06E-08	1.78E-09	6.40E-09	8.18E-09	9.61E-10	2.97E-09	3.93E-09
4957	436994.89	3762624.23	1.13E-08	3.87E-08	5.00E-08	1.76E-09	6.32E-09	8.08E-09	9.49E-10	2.93E-09	3.88E-09
4958	437000.86	3762609.77	1.12E-08	3.81E-08	4.93E-08	1.74E-09	6.22E-09	7.96E-09	9.35E-10	2.89E-09	3.82E-09
4959	437006.83	3762595.31	1.1E-08	3.75E-08	4.84E-08	1.71E-09	6.12E-09	7.83E-09	9.19E-10	2.84E-09	3.76E-09
4960	437012.8	3762580.86	1.08E-08	3.67E-08	4.75E-08	1.67E-09	6.00E-09	7.68E-09	9.02E-10	2.78E-09	3.69E-09
4961	437018.78	3762566.4	1.05E-08	3.60E-08	4.65E-08	1.64E-09	5.87E-09	7.51E-09	8.83E-10	2.72E-09	3.61E-09
4962	437024.75	3762551.94	1.03E-08	3.52E-08	4.55E-08	1.60E-09	5.75E-09	7.35E-09	8.64E-10	2.67E-09	3.53E-09
4963	437030.72	3762537.48	1.01E-08	3.44E-08	4.45E-08	1.57E-09	5.62E-09	7.19E-09	8.45E-10	2.61E-09	3.45E-09
4964	437036.7	3762523.02	9.88E-09	3.37E-08	4.36E-08	1.53E-09	5.50E-09	7.04E-09	8.27E-10	2.55E-09	3.38E-09
4965	437042.67	3762508.56	9.66E-09	3.29E-08	4.26E-08	1.50E-09	5.38E-09	6.88E-09	8.08E-10	2.50E-09	3.30E-09
4966	437048.64	3762494.1	9.44E-09	3.22E-08	4.16E-08	1.47E-09	5.26E-09	6.72E-09	7.90E-10	2.44E-09	3.23E-09
4967	437066.56	3762450.72	8.72E-09	2.97E-08	3.85E-08	1.36E-09	4.86E-09	6.22E-09	7.30E-10	2.25E-09	2.98E-09
4968	437072.53	3762436.26	8.49E-09	2.90E-08	3.75E-08	1.32E-09	4.73E-09	6.05E-09	7.11E-10	2.19E-09	2.91E-09
4969	437078.51	3762421.8	8.26E-09	2.82E-08	3.64E-08	1.28E-09	4.60E-09	5.88E-09	6.91E-10	2.13E-09	2.82E-09
4970	437084.48	3762407.34	8E-09	2.73E-08	3.53E-08	1.24E-09	4.46E-09	5.70E-09	6.70E-10	2.07E-09	2.74E-09
4971	437090.45	3762392.89	7.74E-09	2.64E-08	3.41E-08	1.20E-09	4.31E-09	5.52E-09	6.48E-10	2.00E-09	2.65E-09
4972	437103.64	3762375.41	7.51E-09	2.56E-08	3.31E-08	1.17E-09	4.19E-09	5.35E-09	6.29E-10	1.94E-09	2.57E-09
4973	437118.08	3762369.38	7.57E-09	2.58E-08	3.34E-08	1.18E-09	4.22E-09	5.39E-09	6.34E-10	1.96E-09	2.59E-09
4974	437132.52	3762363.35	7.58E-09	2.59E-08	3.34E-08	1.18E-09	4.23E-09	5.40E-09	6.35E-10	1.96E-09	2.59E-09
4975	437146.95	3762357.33	7.6E-09	2.59E-08	3.35E-08	1.18E-09	4.24E-09	5.42E-09	6.36E-10	1.96E-09	2.60E-09
4976	437190.26	3762339.24	7.57E-09	2.58E-08	3.34E-08	1.18E-09	4.21E-09	5.39E-09	6.33E-10	1.95E-09	2.59E-09
4977	437204.7	3762333.21	7.52E-09	2.57E-08	3.32E-08	1.17E-09	4.19E-09	5.36E-09	6.30E-10	1.94E-09	2.57E-09
4978	437219.13	3762327.18	7.47E-09	2.55E-08	3.29E-08	1.16E-09	4.16E-09	5.32E-09	6.25E-10	1.93E-09	2.56E-09
4979	437233.57	3762321.16	7.4E-09	2.52E-08	3.26E-08	1.15E-09	4.12E-09	5.27E-09	6.19E-10	1.91E-09	2.53E-09
4980	437248.01	3762315.13	7.32E-09	2.50E-08	3.23E-08	1.14E-09	4.08E-09	5.21E-09	6.13E-10	1.89E-09	2.50E-09
4981	437262.44	3762309.1	7.23E-09	2.47E-08	3.19E-08	1.12E-09	4.03E-09	5.15E-09	6.05E-10	1.87E-09	2.47E-09
4982	437276.88	3762303.07	7.13E-09	2.43E-08	3.15E-08	1.11E-09	3.97E-09	5.08E-09	5.97E-10	1.84E-09	2.44E-09
4983	437291.31	3762297.04	7.03E-09	2.40E-08	3.10E-08	1.09E-09	3.92E-09	5.01E-09	5.89E-10	1.82E-09	2.41E-09
4984	437305.75	3762291.01	6.93E-09	2.36E-08	3.06E-08	1.08E-09	3.86E-09	4.94E-09	5.80E-10	1.79E-09	2.37E-09
4985	437320.19	3762284.99	6.83E-09	2.33E-08	3.01E-08	1.06E-09	3.80E-09	4.86E-09	5.71E-10	1.76E-09	2.34E-09
4986	437334.62	3762278.96	6.73E-09	2.29E-08	2.97E-08	1.05E-09	3.75E-09	4.79E-09	5.63E-10	1.74E-09	2.30E-09
4987	437349.06	3762272.93	6.63E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.72E-09	5.55E-10	1.71E-09	2.27E-09
4988	437363.49	3762266.9	6.54E-09	2.23E-08	2.88E-08	1.02E-09	3.64E-09	4.66E-09	5.47E-10	1.69E-09	2.24E-09
4989	437377.93	3762260.87	6.45E-09	2.20E-08	2.85E-08	1.00E-09	3.59E-09	4.60E-09	5.40E-10	1.67E-09	2.21E-09
4990	436973.98	3762682.8	1.19E-08	4.05E-08	5.24E-08	1.85E-09	6.62E-09	8.47E-09	9.95E-10	3.07E-09	4.07E-09
4991	436973.98	3762698.72	1.22E-08	4.16E-08	5.38E-08	1.90E-09	6.80E-09	8.70E-09	1.02E-09	3.15E-09	4.18E-09
4992	436946.96	3762667.62	1.04E-08	3.56E-08	4.61E-08	1.62E-09	5.82E-09	7.44E-09	8.74E-10	2.70E-09	3.57E-09
4993	436952.92	3762653.19	1.04E-08	3.54E-08	4.58E-08	1.61E-09	5.79E-09	7.40E-09	8.69E-10	2.68E-09	3.55E-09
4994	436958.89	3762638.75	1.03E-08	3.51E-08	4.54E-08	1.60E-09	5.74E-09	7.34E-09	8.62E-10	2.66E-09	3.52E-09
4995	436964.85	3762624.31	1.02E-08	3.47E-08	4.49E-08	1.58E-09	5.67E-09	7.26E-09	8.53E-10	2.63E-09	3.48E-09
4996	436970.81	3762609.88	1.01E-08	3.43E-08	4.43E-08	1.56E-09	5.60E-09	7.16E-09	8.42E-10	2.60E-09	3.44E-09
4997	436976.78	3762595.44	9.91E-09	3.38E-08	4.37E-08	1.54E-09	5.52E-09	7.06E-09	8.29E-10	2.56E-09	3.39E-09
4998	436982.74	3762581.01	9.74E-09	3.32E-08	4.30E-08	1.51E-09	5.43E-09	6.94E-09	8.15E-10	2.52E-09	3.33E-09

4999	436988.7	3762566.57	9.56E-09	3.26E-08	4.22E-08	1.49E-09	5.33E-09	6.81E-09	8.01E-10	2.47E-09	3.27E-09
5000	436994.67	3762552.14	9.37E-09	3.20E-08	4.13E-08	1.46E-09	5.22E-09	6.68E-09	7.85E-10	2.42E-09	3.21E-09
5001	437000.63	3762537.7	9.18E-09	3.13E-08	4.05E-08	1.43E-09	5.11E-09	6.54E-09	7.68E-10	2.37E-09	3.14E-09
5002	437006.59	3762523.26	8.99E-09	3.07E-08	3.97E-08	1.40E-09	5.01E-09	6.41E-09	7.53E-10	2.32E-09	3.08E-09
5003	437012.56	3762508.83	8.81E-09	3.00E-08	3.88E-08	1.37E-09	4.91E-09	6.27E-09	7.37E-10	2.28E-09	3.01E-09
5004	437018.52	3762494.39	8.62E-09	2.94E-08	3.80E-08	1.34E-09	4.80E-09	6.14E-09	7.21E-10	2.23E-09	2.95E-09
5005	437036.41	3762451.09	8.03E-09	2.74E-08	3.54E-08	1.25E-09	4.47E-09	5.72E-09	6.72E-10	2.07E-09	2.75E-09
5006	437042.37	3762436.65	7.85E-09	2.68E-08	3.46E-08	1.22E-09	4.37E-09	5.59E-09	6.57E-10	2.03E-09	2.68E-09
5007	437048.34	3762422.21	7.66E-09	2.61E-08	3.38E-08	1.19E-09	4.27E-09	5.46E-09	6.41E-10	1.98E-09	2.62E-09
5008	437054.3	3762407.78	7.46E-09	2.54E-08	3.29E-08	1.16E-09	4.16E-09	5.31E-09	6.24E-10	1.93E-09	2.55E-09
5009	437060.26	3762393.34	7.25E-09	2.47E-08	3.20E-08	1.13E-09	4.04E-09	5.17E-09	6.07E-10	1.87E-09	2.48E-09
5010	437066.23	3762378.91	7.03E-09	2.40E-08	3.10E-08	1.09E-09	3.92E-09	5.01E-09	5.89E-10	1.82E-09	2.41E-09
5011	437072.19	3762364.47	6.81E-09	2.32E-08	3.00E-08	1.06E-09	3.79E-09	4.85E-09	5.70E-10	1.76E-09	2.33E-09
5012	437082.38	3762354.24	6.72E-09	2.29E-08	2.96E-08	1.04E-09	3.74E-09	4.78E-09	5.62E-10	1.74E-09	2.30E-09
5013	437096.79	3762348.23	6.75E-09	2.30E-08	2.98E-08	1.05E-09	3.76E-09	4.81E-09	5.65E-10	1.74E-09	2.31E-09
5014	437111.2	3762342.21	6.77E-09	2.31E-08	2.99E-08	1.05E-09	3.77E-09	4.83E-09	5.67E-10	1.75E-09	2.32E-09
5015	437125.62	3762336.19	6.77E-09	2.31E-08	2.99E-08	1.05E-09	3.77E-09	4.83E-09	5.67E-10	1.75E-09	2.32E-09
5016	437140.03	3762330.17	6.78E-09	2.31E-08	2.99E-08	1.05E-09	3.78E-09	4.83E-09	5.68E-10	1.75E-09	2.32E-09
5017	437183.27	3762312.11	6.76E-09	2.31E-08	2.98E-08	1.05E-09	3.77E-09	4.82E-09	5.66E-10	1.75E-09	2.31E-09
5018	437197.68	3762306.1	6.72E-09	2.29E-08	2.96E-08	1.04E-09	3.74E-09	4.79E-09	5.63E-10	1.74E-09	2.30E-09
5019	437212.09	3762300.08	6.67E-09	2.27E-08	2.94E-08	1.04E-09	3.71E-09	4.75E-09	5.58E-10	1.72E-09	2.28E-09
5020	437226.51	3762294.06	6.6E-09	2.25E-08	2.91E-08	1.03E-09	3.68E-09	4.70E-09	5.53E-10	1.71E-09	2.26E-09
5021	437240.92	3762288.04	6.53E-09	2.23E-08	2.88E-08	1.01E-09	3.64E-09	4.65E-09	5.46E-10	1.69E-09	2.23E-09
5022	437255.33	3762282.02	6.44E-09	2.20E-08	2.84E-08	1.00E-09	3.59E-09	4.59E-09	5.39E-10	1.66E-09	2.20E-09
5023	437269.74	3762276	6.36E-09	2.17E-08	2.80E-08	9.88E-10	3.54E-09	4.53E-09	5.32E-10	1.64E-09	2.17E-09
5024	437284.16	3762269.98	6.27E-09	2.14E-08	2.76E-08	9.74E-10	3.49E-09	4.47E-09	5.25E-10	1.62E-09	2.14E-09
5025	437298.57	3762263.96	6.18E-09	2.11E-08	2.73E-08	9.60E-10	3.44E-09	4.40E-09	5.17E-10	1.60E-09	2.11E-09
5026	437312.98	3762257.95	6.09E-09	2.08E-08	2.69E-08	9.47E-10	3.39E-09	4.34E-09	5.10E-10	1.57E-09	2.08E-09
5027	437327.39	3762251.93	6.01E-09	2.05E-08	2.65E-08	9.34E-10	3.35E-09	4.28E-09	5.03E-10	1.55E-09	2.06E-09
5028	437341.81	3762245.91	5.93E-09	2.02E-08	2.61E-08	9.21E-10	3.30E-09	4.22E-09	4.96E-10	1.53E-09	2.03E-09
5029	437356.22	3762239.89	5.85E-09	1.99E-08	2.58E-08	9.09E-10	3.26E-09	4.17E-09	4.90E-10	1.51E-09	2.00E-09
5030	437370.63	3762233.87	5.78E-09	1.97E-08	2.55E-08	8.98E-10	3.22E-09	4.12E-09	4.84E-10	1.49E-09	1.98E-09
5031	436943.98	3762682.8	1.06E-08	3.62E-08	4.68E-08	1.65E-09	5.91E-09	7.55E-09	8.87E-10	2.74E-09	3.63E-09
5032	436943.98	3762698.72	1.09E-08	3.70E-08	4.79E-08	1.69E-09	6.05E-09	7.73E-09	9.09E-10	2.81E-09	3.71E-09
5033	436916.96	3762667.63	9.39E-09	3.20E-08	4.14E-08	1.46E-09	5.23E-09	6.69E-09	7.86E-10	2.43E-09	3.21E-09
5034	436922.91	3762653.22	9.35E-09	3.19E-08	4.12E-08	1.45E-09	5.21E-09	6.66E-09	7.83E-10	2.42E-09	3.20E-09
5035	436928.87	3762638.8	9.28E-09	3.17E-08	4.09E-08	1.44E-09	5.17E-09	6.61E-09	7.77E-10	2.40E-09	3.18E-09
5036	436934.82	3762624.39	9.2E-09	3.14E-08	4.06E-08	1.43E-09	5.12E-09	6.55E-09	7.70E-10	2.38E-09	3.15E-09
5037	436940.78	3762609.97	9.09E-09	3.10E-08	4.01E-08	1.41E-09	5.07E-09	6.48E-09	7.61E-10	2.35E-09	3.11E-09
5038	436946.73	3762595.56	8.98E-09	3.06E-08	3.96E-08	1.39E-09	5.00E-09	6.40E-09	7.51E-10	2.32E-09	3.07E-09
5039	436952.69	3762581.14	8.84E-09	3.02E-08	3.90E-08	1.37E-09	4.93E-09	6.30E-09	7.40E-10	2.28E-09	3.03E-09
5040	436958.64	3762566.73	8.7E-09	2.97E-08	3.84E-08	1.35E-09	4.85E-09	6.20E-09	7.28E-10	2.25E-09	2.98E-09
5041	436964.6	3762552.31	8.55E-09	2.92E-08	3.77E-08	1.33E-09	4.76E-09	6.09E-09	7.16E-10	2.21E-09	2.92E-09
5042	436970.55	3762537.89	8.39E-09	2.86E-08	3.70E-08	1.30E-09	4.67E-09	5.98E-09	7.02E-10	2.17E-09	2.87E-09
5043	436976.51	3762523.48	8.24E-09	2.81E-08	3.63E-08	1.28E-09	4.59E-09	5.87E-09	6.89E-10	2.13E-09	2.82E-09
5044	436982.46	3762509.06	8.08E-09	2.76E-08	3.56E-08	1.26E-09	4.50E-09	5.76E-09	6.76E-10	2.09E-09	2.76E-09
5045	436988.41	3762494.65	7.91E-09	2.70E-08	3.49E-08	1.23E-09	4.41E-09	5.64E-09	6.62E-10	2.04E-09	2.71E-09
5046	437006.28	3762451.4	7.43E-09	2.53E-08	3.28E-08	1.15E-09	4.14E-09	5.29E-09	6.22E-10	1.92E-09	2.54E-09
5047	437012.23	3762436.99	7.28E-09	2.48E-08	3.21E-08	1.13E-09	4.05E-09	5.19E-09	6.09E-10	1.88E-09	2.49E-09
5048	437018.19	3762422.57	7.12E-09	2.43E-08	3.14E-08	1.11E-09	3.97E-09	5.07E-09	5.96E-10	1.84E-09	2.44E-09
5049	437024.14	3762408.16	6.96E-09	2.37E-08	3.07E-08	1.08E-09	3.88E-09	4.96E-09	5.82E-10	1.80E-09	2.38E-09
5050	437030.1	3762393.74	6.79E-09	2.31E-08	2.99E-08	1.05E-09	3.78E-09	4.83E-09	5.68E-10	1.75E-09	2.32E-09
5051	437036.05	3762379.33	6.61E-09	2.25E-08	2.91E-08	1.03E-09	3.68E-09	4.71E-09	5.53E-10	1.71E-09	2.26E-09
5052	437042.01	3762364.91	6.42E-09	2.19E-08	2.83E-08	9.97E-10	3.57E-09	4.57E-09	5.37E-10	1.66E-09	2.19E-09
5053	437047.96	3762350.5	6.22E-09	2.12E-08	2.75E-08	9.67E-10	3.47E-09	4.43E-09	5.21E-10	1.61E-09	2.13E-09
5054	437061.11	3762333.08	6.05E-09	2.06E-08	2.67E-08	9.39E-10	3.37E-09	4.31E-09	5.06E-10	1.56E-09	2.07E-09
5055	437075.51	3762327.07	6.08E-09	2.07E-08	2.68E-08	9.44E-10	3.39E-09	4.33E-09	5.09E-10	1.57E-09	2.08E-09
5056	437089.9	3762321.06	6.1E-09	2.08E-08	2.69E-08	9.48E-10	3.40E-09	4.35E-09	5.11E-10	1.58E-09	2.09E-09
5057	437104.29	3762315.05	6.12E-09	2.09E-08	2.70E-08	9.50E-10	3.41E-09	4.36E-09	5.12E-10	1.58E-09	2.09E-09
5058	437118.68	3762309.04	6.12E-09	2.09E-08	2.70E-08	9.51E-10	3.41E-09	4.36E-09	5.12E-10	1.58E-09	2.09E-09
5059	437133.08	3762303.03	6.12E-09	2.09E-08	2.70E-08	9.52E-10	3.41E-09	4.36E-09	5.13E-10	1.58E-09	2.09E-09

5060	437147.47	3762297.02	6.12E-09	2.09E-08	2.70E-08	9.52E-10	3.41E-09	4.36E-09	5.13E-10	1.58E-09	2.09E-09
5061	437190.64	3762278.99	6.04E-09	2.06E-08	2.66E-08	9.39E-10	3.37E-09	4.30E-09	5.06E-10	1.56E-09	2.07E-09
5062	437205.04	3762272.97	5.99E-09	2.04E-08	2.64E-08	9.30E-10	3.34E-09	4.27E-09	5.01E-10	1.55E-09	2.05E-09
5063	437219.43	3762266.96	5.92E-09	2.02E-08	2.61E-08	9.21E-10	3.30E-09	4.22E-09	4.96E-10	1.53E-09	2.03E-09
5064	437233.82	3762260.95	5.85E-09	2.00E-08	2.58E-08	9.10E-10	3.26E-09	4.17E-09	4.90E-10	1.51E-09	2.00E-09
5065	437248.21	3762254.94	5.78E-09	1.97E-08	2.55E-08	8.98E-10	3.22E-09	4.12E-09	4.84E-10	1.49E-09	1.98E-09
5066	437262.61	3762248.93	5.7E-09	1.95E-08	2.52E-08	8.86E-10	3.18E-09	4.06E-09	4.77E-10	1.47E-09	1.95E-09
5067	437277	3762242.92	5.63E-09	1.92E-08	2.48E-08	8.74E-10	3.13E-09	4.01E-09	4.71E-10	1.45E-09	1.92E-09
5068	437291.39	3762236.91	5.55E-09	1.89E-08	2.45E-08	8.63E-10	3.09E-09	3.96E-09	4.65E-10	1.43E-09	1.90E-09
5069	437305.78	3762230.9	5.48E-09	1.87E-08	2.42E-08	8.51E-10	3.05E-09	3.90E-09	4.59E-10	1.42E-09	1.87E-09
5070	437320.18	3762224.89	5.41E-09	1.84E-08	2.38E-08	8.40E-10	3.01E-09	3.85E-09	4.52E-10	1.40E-09	1.85E-09
5071	437334.57	3762218.88	5.34E-09	1.82E-08	2.35E-08	8.29E-10	2.97E-09	3.80E-09	4.47E-10	1.38E-09	1.83E-09
5072	437348.96	3762212.87	5.27E-09	1.80E-08	2.32E-08	8.19E-10	2.94E-09	3.75E-09	4.41E-10	1.36E-09	1.80E-09
5073	437363.35	3762206.86	5.21E-09	1.78E-08	2.30E-08	8.09E-10	2.90E-09	3.71E-09	4.36E-10	1.35E-09	1.78E-09
5074	437377.74	3762200.85	5.15E-09	1.76E-08	2.27E-08	8.00E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
5075	436913.98	3762682.8	9.51E-09	3.24E-08	4.20E-08	1.48E-09	5.30E-09	6.78E-09	7.96E-10	2.46E-09	3.25E-09
5076	436913.98	3762698.72	9.72E-09	3.31E-08	4.29E-08	1.51E-09	5.41E-09	6.92E-09	8.13E-10	2.51E-09	3.32E-09
5077	436887.01	3762667.49	8.48E-09	2.89E-08	3.74E-08	1.32E-09	4.72E-09	6.04E-09	7.09E-10	2.19E-09	2.90E-09
5078	436893.08	3762652.8	8.45E-09	2.88E-08	3.72E-08	1.31E-09	4.71E-09	6.02E-09	7.07E-10	2.18E-09	2.89E-09
5079	436899.15	3762638.11	8.4E-09	2.86E-08	3.70E-08	1.30E-09	4.68E-09	5.98E-09	7.03E-10	2.17E-09	2.87E-09
5080	436905.22	3762623.42	8.33E-09	2.84E-08	3.67E-08	1.29E-09	4.64E-09	5.93E-09	6.97E-10	2.15E-09	2.85E-09
5081	436911.29	3762608.73	8.25E-09	2.81E-08	3.64E-08	1.28E-09	4.59E-09	5.88E-09	6.90E-10	2.13E-09	2.82E-09
5082	436917.36	3762594.04	8.15E-09	2.78E-08	3.59E-08	1.27E-09	4.54E-09	5.81E-09	6.82E-10	2.11E-09	2.79E-09
5083	436923.43	3762579.35	8.04E-09	2.74E-08	3.55E-08	1.25E-09	4.48E-09	5.73E-09	6.73E-10	2.08E-09	2.75E-09
5084	436929.5	3762564.66	7.93E-09	2.70E-08	3.50E-08	1.23E-09	4.42E-09	5.65E-09	6.63E-10	2.05E-09	2.71E-09
5085	436935.56	3762549.97	7.8E-09	2.66E-08	3.44E-08	1.21E-09	4.34E-09	5.56E-09	6.53E-10	2.02E-09	2.67E-09
5086	436941.63	3762535.27	7.67E-09	2.61E-08	3.38E-08	1.19E-09	4.27E-09	5.46E-09	6.42E-10	1.98E-09	2.62E-09
5087	436947.7	3762520.58	7.53E-09	2.57E-08	3.32E-08	1.17E-09	4.19E-09	5.36E-09	6.30E-10	1.95E-09	2.58E-09
5088	436953.77	3762505.89	7.39E-09	2.52E-08	3.26E-08	1.15E-09	4.12E-09	5.27E-09	6.19E-10	1.91E-09	2.53E-09
5089	436959.84	3762491.2	7.25E-09	2.47E-08	3.20E-08	1.13E-09	4.04E-09	5.16E-09	6.07E-10	1.87E-09	2.48E-09
5090	436978.05	3762447.13	6.84E-09	2.33E-08	3.02E-08	1.06E-09	3.81E-09	4.87E-09	5.73E-10	1.77E-09	2.34E-09
5091	436984.11	3762432.44	6.71E-09	2.29E-08	2.96E-08	1.04E-09	3.74E-09	4.78E-09	5.62E-10	1.73E-09	2.30E-09
5092	436990.18	3762417.75	6.58E-09	2.24E-08	2.90E-08	1.02E-09	3.66E-09	4.69E-09	5.51E-10	1.70E-09	2.25E-09
5093	436996.25	3762403.06	6.44E-09	2.20E-08	2.84E-08	1.00E-09	3.59E-09	4.59E-09	5.39E-10	1.66E-09	2.20E-09
5094	437002.32	3762388.36	6.29E-09	2.15E-08	2.77E-08	9.78E-10	3.50E-09	4.48E-09	5.27E-10	1.63E-09	2.15E-09
5095	437008.39	3762373.67	6.14E-09	2.09E-08	2.71E-08	9.54E-10	3.42E-09	4.37E-09	5.14E-10	1.59E-09	2.10E-09
5096	437014.46	3762358.98	5.98E-09	2.04E-08	2.64E-08	9.29E-10	3.33E-09	4.26E-09	5.00E-10	1.54E-09	2.04E-09
5097	437020.53	3762344.29	5.81E-09	1.98E-08	2.56E-08	9.03E-10	3.24E-09	4.14E-09	4.86E-10	1.50E-09	1.99E-09
5098	437026.59	3762329.6	5.64E-09	1.92E-08	2.49E-08	8.77E-10	3.14E-09	4.02E-09	4.72E-10	1.46E-09	1.93E-09
5099	437040	3762311.85	5.49E-09	1.87E-08	2.42E-08	8.54E-10	3.06E-09	3.91E-09	4.60E-10	1.42E-09	1.88E-09
5100	437054.67	3762305.72	5.53E-09	1.88E-08	2.44E-08	8.59E-10	3.08E-09	3.94E-09	4.63E-10	1.43E-09	1.89E-09
5101	437069.33	3762299.6	5.55E-09	1.89E-08	2.45E-08	8.63E-10	3.09E-09	3.95E-09	4.65E-10	1.43E-09	1.90E-09
5102	437084	3762293.47	5.57E-09	1.90E-08	2.46E-08	8.65E-10	3.10E-09	3.97E-09	4.66E-10	1.44E-09	1.90E-09
5103	437098.67	3762287.35	5.58E-09	1.90E-08	2.46E-08	8.67E-10	3.11E-09	3.97E-09	4.67E-10	1.44E-09	1.91E-09
5104	437113.34	3762281.22	5.58E-09	1.90E-08	2.46E-08	8.68E-10	3.11E-09	3.98E-09	4.67E-10	1.44E-09	1.91E-09
5105	437128	3762275.1	5.58E-09	1.90E-08	2.46E-08	8.66E-10	3.11E-09	3.97E-09	4.67E-10	1.44E-09	1.91E-09
5106	437142.67	3762268.97	5.56E-09	1.90E-08	2.45E-08	8.64E-10	3.10E-09	3.96E-09	4.65E-10	1.44E-09	1.90E-09
5107	437157.34	3762262.85	5.53E-09	1.89E-08	2.44E-08	8.60E-10	3.08E-09	3.94E-09	4.63E-10	1.43E-09	1.89E-09
5108	437172.01	3762256.72	5.5E-09	1.87E-08	2.42E-08	8.54E-10	3.06E-09	3.92E-09	4.60E-10	1.42E-09	1.88E-09
5109	437186.67	3762250.6	5.45E-09	1.86E-08	2.40E-08	8.47E-10	3.04E-09	3.88E-09	4.56E-10	1.41E-09	1.87E-09
5110	437201.34	3762244.47	5.4E-09	1.84E-08	2.38E-08	8.38E-10	3.01E-09	3.84E-09	4.52E-10	1.39E-09	1.85E-09
5111	437216.01	3762238.34	5.33E-09	1.82E-08	2.35E-08	8.29E-10	2.97E-09	3.80E-09	4.47E-10	1.38E-09	1.82E-09
5112	437230.68	3762232.22	5.27E-09	1.80E-08	2.32E-08	8.19E-10	2.94E-09	3.75E-09	4.41E-10	1.36E-09	1.80E-09
5113	437245.34	3762226.09	5.2E-09	1.77E-08	2.29E-08	8.08E-10	2.90E-09	3.71E-09	4.35E-10	1.34E-09	1.78E-09
5114	437260.01	3762219.97	5.13E-09	1.75E-08	2.26E-08	7.98E-10	2.86E-09	3.66E-09	4.30E-10	1.33E-09	1.76E-09
5115	437274.68	3762213.84	5.06E-09	1.73E-08	2.23E-08	7.87E-10	2.82E-09	3.61E-09	4.24E-10	1.31E-09	1.73E-09
5116	437289.35	3762207.72	5E-09	1.70E-08	2.20E-08	7.77E-10	2.78E-09	3.56E-09	4.18E-10	1.29E-09	1.71E-09
5117	437304.02	3762201.59	4.93E-09	1.68E-08	2.18E-08	7.67E-10	2.75E-09	3.52E-09	4.13E-10	1.27E-09	1.69E-09
5118	437318.68	3762195.47	4.87E-09	1.66E-08	2.15E-08	7.57E-10	2.71E-09	3.47E-09	4.08E-10	1.26E-09	1.67E-09
5119	437333.35	3762189.34	4.81E-09	1.64E-08	2.12E-08	7.47E-10	2.68E-09	3.43E-09	4.03E-10	1.24E-09	1.64E-09
5120	437348.02	3762183.22	4.75E-09	1.62E-08	2.10E-08	7.38E-10	2.65E-09	3.38E-09	3.98E-10	1.23E-09	1.63E-09

5121	437362.69	3762177.09	4.7E-09	1.60E-08	2.07E-08	7.30E-10	2.62E-09	3.35E-09	3.93E-10	1.21E-09	1.61E-09
5122	437377.35	3762170.97	4.65E-09	1.58E-08	2.05E-08	7.22E-10	2.59E-09	3.31E-09	3.89E-10	1.20E-09	1.59E-09
5123	436883.98	3762682.8	8.57E-09	2.92E-08	3.78E-08	1.33E-09	4.78E-09	6.11E-09	7.18E-10	2.22E-09	2.93E-09
5124	436883.98	3762698.72	8.74E-09	2.98E-08	3.86E-08	1.36E-09	4.87E-09	6.23E-09	7.32E-10	2.26E-09	2.99E-09
5125	436857.01	3762667.51	7.7E-09	2.62E-08	3.39E-08	1.20E-09	4.29E-09	5.48E-09	6.44E-10	1.99E-09	2.63E-09
5126	436863.06	3762652.85	7.67E-09	2.62E-08	3.38E-08	1.19E-09	4.28E-09	5.47E-09	6.42E-10	1.98E-09	2.63E-09
5127	436869.12	3762638.2	7.64E-09	2.60E-08	3.37E-08	1.19E-09	4.25E-09	5.44E-09	6.39E-10	1.97E-09	2.61E-09
5128	436875.17	3762623.54	7.58E-09	2.58E-08	3.34E-08	1.18E-09	4.22E-09	5.40E-09	6.34E-10	1.96E-09	2.59E-09
5129	436881.23	3762608.88	7.51E-09	2.56E-08	3.31E-08	1.17E-09	4.18E-09	5.35E-09	6.29E-10	1.94E-09	2.57E-09
5130	436887.28	3762594.22	7.44E-09	2.54E-08	3.28E-08	1.16E-09	4.14E-09	5.30E-09	6.22E-10	1.92E-09	2.54E-09
5131	436893.34	3762579.56	7.35E-09	2.51E-08	3.24E-08	1.14E-09	4.10E-09	5.24E-09	6.16E-10	1.90E-09	2.52E-09
5132	436899.39	3762564.91	7.26E-09	2.48E-08	3.20E-08	1.13E-09	4.04E-09	5.17E-09	6.08E-10	1.88E-09	2.48E-09
5133	436905.45	3762550.25	7.16E-09	2.44E-08	3.16E-08	1.11E-09	3.99E-09	5.10E-09	5.99E-10	1.85E-09	2.45E-09
5134	436911.5	3762535.59	7.05E-09	2.40E-08	3.11E-08	1.10E-09	3.93E-09	5.02E-09	5.90E-10	1.82E-09	2.41E-09
5135	436917.56	3762520.93	6.94E-09	2.37E-08	3.06E-08	1.08E-09	3.86E-09	4.94E-09	5.81E-10	1.79E-09	2.37E-09
5136	436923.61	3762506.27	6.82E-09	2.33E-08	3.01E-08	1.06E-09	3.80E-09	4.86E-09	5.71E-10	1.76E-09	2.33E-09
5137	436929.67	3762491.62	6.7E-09	2.28E-08	2.95E-08	1.04E-09	3.73E-09	4.77E-09	5.61E-10	1.73E-09	2.29E-09
5138	436947.83	3762447.64	6.34E-09	2.16E-08	2.80E-08	9.86E-10	3.53E-09	4.52E-09	5.31E-10	1.64E-09	2.17E-09
5139	436953.89	3762432.99	6.24E-09	2.13E-08	2.75E-08	9.70E-10	3.48E-09	4.45E-09	5.22E-10	1.61E-09	2.13E-09
5140	436959.94	3762418.33	6.13E-09	2.09E-08	2.70E-08	9.52E-10	3.41E-09	4.37E-09	5.13E-10	1.58E-09	2.10E-09
5141	436966	3762403.67	6.01E-09	2.05E-08	2.65E-08	9.34E-10	3.35E-09	4.28E-09	5.03E-10	1.55E-09	2.06E-09
5142	436972.05	3762389.01	5.89E-09	2.01E-08	2.60E-08	9.15E-10	3.28E-09	4.20E-09	4.93E-10	1.52E-09	2.01E-09
5143	436978.11	3762374.35	5.76E-09	1.96E-08	2.54E-08	8.95E-10	3.21E-09	4.10E-09	4.82E-10	1.49E-09	1.97E-09
5144	436984.16	3762359.7	5.63E-09	1.92E-08	2.48E-08	8.75E-10	3.14E-09	4.01E-09	4.71E-10	1.46E-09	1.93E-09
5145	436990.22	3762345.04	5.5E-09	1.87E-08	2.42E-08	8.54E-10	3.06E-09	3.92E-09	4.60E-10	1.42E-09	1.88E-09
5146	436996.27	3762330.38	5.36E-09	1.83E-08	2.36E-08	8.32E-10	2.98E-09	3.82E-09	4.48E-10	1.38E-09	1.83E-09
5147	437002.33	3762315.72	5.21E-09	1.78E-08	2.30E-08	8.10E-10	2.90E-09	3.72E-09	4.36E-10	1.35E-09	1.78E-09
5148	437008.38	3762301.07	5.07E-09	1.73E-08	2.24E-08	7.88E-10	2.83E-09	3.61E-09	4.25E-10	1.31E-09	1.74E-09
5149	437018.73	3762290.68	5.02E-09	1.71E-08	2.21E-08	7.80E-10	2.80E-09	3.58E-09	4.20E-10	1.30E-09	1.72E-09
5150	437033.36	3762284.57	5.05E-09	1.72E-08	2.23E-08	7.85E-10	2.82E-09	3.60E-09	4.23E-10	1.31E-09	1.73E-09
5151	437048	3762278.46	5.08E-09	1.73E-08	2.24E-08	7.89E-10	2.83E-09	3.62E-09	4.25E-10	1.31E-09	1.74E-09
5152	437062.63	3762272.35	5.1E-09	1.74E-08	2.25E-08	7.92E-10	2.84E-09	3.63E-09	4.27E-10	1.32E-09	1.74E-09
5153	437077.26	3762266.24	5.11E-09	1.74E-08	2.25E-08	7.94E-10	2.85E-09	3.64E-09	4.28E-10	1.32E-09	1.75E-09
5154	437091.9	3762260.12	5.11E-09	1.74E-08	2.25E-08	7.94E-10	2.85E-09	3.64E-09	4.28E-10	1.32E-09	1.75E-09
5155	437106.53	3762254.01	5.11E-09	1.74E-08	2.25E-08	7.94E-10	2.84E-09	3.64E-09	4.27E-10	1.32E-09	1.75E-09
5156	437121.17	3762247.9	5.09E-09	1.74E-08	2.25E-08	7.91E-10	2.84E-09	3.63E-09	4.26E-10	1.32E-09	1.74E-09
5157	437135.8	3762241.79	5.07E-09	1.73E-08	2.24E-08	7.88E-10	2.83E-09	3.61E-09	4.25E-10	1.31E-09	1.73E-09
5158	437150.44	3762235.68	5.04E-09	1.72E-08	2.22E-08	7.83E-10	2.81E-09	3.59E-09	4.22E-10	1.30E-09	1.72E-09
5159	437165.07	3762229.57	5E-09	1.71E-08	2.21E-08	7.77E-10	2.79E-09	3.56E-09	4.19E-10	1.29E-09	1.71E-09
5160	437179.71	3762223.46	4.96E-09	1.69E-08	2.19E-08	7.70E-10	2.76E-09	3.53E-09	4.15E-10	1.28E-09	1.70E-09
5161	437194.34	3762217.35	4.9E-09	1.67E-08	2.16E-08	7.62E-10	2.73E-09	3.49E-09	4.10E-10	1.27E-09	1.68E-09
5162	437208.98	3762211.23	4.85E-09	1.65E-08	2.14E-08	7.53E-10	2.70E-09	3.45E-09	4.06E-10	1.25E-09	1.66E-09
5163	437223.61	3762205.12	4.79E-09	1.63E-08	2.11E-08	7.44E-10	2.67E-09	3.41E-09	4.01E-10	1.24E-09	1.64E-09
5164	437238.24	3762199.01	4.73E-09	1.61E-08	2.09E-08	7.35E-10	2.63E-09	3.37E-09	3.96E-10	1.22E-09	1.62E-09
5165	437252.88	3762192.9	4.67E-09	1.59E-08	2.06E-08	7.25E-10	2.60E-09	3.33E-09	3.91E-10	1.21E-09	1.60E-09
5166	437267.51	3762186.79	4.61E-09	1.57E-08	2.03E-08	7.16E-10	2.57E-09	3.28E-09	3.86E-10	1.19E-09	1.58E-09
5167	437282.15	3762180.68	4.55E-09	1.55E-08	2.01E-08	7.07E-10	2.53E-09	3.24E-09	3.81E-10	1.18E-09	1.56E-09
5168	437296.78	3762174.57	4.49E-09	1.53E-08	1.98E-08	6.98E-10	2.50E-09	3.20E-09	3.76E-10	1.16E-09	1.54E-09
5169	437311.42	3762168.46	4.43E-09	1.51E-08	1.96E-08	6.89E-10	2.47E-09	3.16E-09	3.71E-10	1.15E-09	1.52E-09
5170	437326.05	3762162.34	4.38E-09	1.49E-08	1.93E-08	6.81E-10	2.44E-09	3.12E-09	3.67E-10	1.13E-09	1.50E-09
5171	437340.69	3762156.23	4.33E-09	1.48E-08	1.91E-08	6.73E-10	2.41E-09	3.09E-09	3.62E-10	1.12E-09	1.48E-09
5172	437355.32	3762150.12	4.28E-09	1.46E-08	1.89E-08	6.66E-10	2.39E-09	3.05E-09	3.59E-10	1.11E-09	1.47E-09
5173	437369.95	3762144.01	4.24E-09	1.45E-08	1.87E-08	6.59E-10	2.36E-09	3.02E-09	3.55E-10	1.10E-09	1.45E-09
5174	436853.98	3762682.8	7.77E-09	2.65E-08	3.43E-08	1.21E-09	4.33E-09	5.54E-09	6.50E-10	2.01E-09	2.66E-09
5175	436853.98	3762698.72	7.9E-09	2.70E-08	3.49E-08	1.23E-09	4.40E-09	5.63E-09	6.62E-10	2.04E-09	2.70E-09
5176	436827	3762667.53	7.03E-09	2.40E-08	3.10E-08	1.09E-09	3.92E-09	5.01E-09	5.88E-10	1.82E-09	2.41E-09
5177	436833.04	3762652.9	7.02E-09	2.39E-08	3.10E-08	1.09E-09	3.91E-09	5.00E-09	5.88E-10	1.81E-09	2.40E-09
5178	436839.09	3762638.27	6.99E-09	2.38E-08	3.08E-08	1.09E-09	3.90E-09	4.98E-09	5.85E-10	1.81E-09	2.39E-09
5179	436845.13	3762623.64	6.94E-09	2.37E-08	3.06E-08	1.08E-09	3.87E-09	4.95E-09	5.81E-10	1.79E-09	2.38E-09
5180	436851.17	3762609.01	6.88E-09	2.35E-08	3.03E-08	1.07E-09	3.83E-09	4.90E-09	5.76E-10	1.78E-09	2.35E-09
5181	436857.22	3762594.38	6.81E-09	2.32E-08	3.00E-08	1.06E-09	3.79E-09	4.85E-09	5.70E-10	1.76E-09	2.33E-09

5182	436863.26	3762579.76	6.74E-09	2.30E-08	2.97E-08	1.05E-09	3.76E-09	4.80E-09	5.64E-10	1.74E-09	2.31E-09
5183	436869.3	3762565.13	6.67E-09	2.27E-08	2.94E-08	1.04E-09	3.71E-09	4.75E-09	5.58E-10	1.72E-09	2.28E-09
5184	436875.34	3762550.5	6.59E-09	2.25E-08	2.90E-08	1.02E-09	3.67E-09	4.69E-09	5.51E-10	1.70E-09	2.25E-09
5185	436881.39	3762535.87	6.5E-09	2.22E-08	2.86E-08	1.01E-09	3.62E-09	4.63E-09	5.44E-10	1.68E-09	2.22E-09
5186	436887.43	3762521.24	6.4E-09	2.18E-08	2.82E-08	9.94E-10	3.57E-09	4.56E-09	5.36E-10	1.65E-09	2.19E-09
5187	436893.47	3762506.62	6.3E-09	2.15E-08	2.78E-08	9.79E-10	3.51E-09	4.49E-09	5.28E-10	1.63E-09	2.16E-09
5188	436899.51	3762491.99	6.2E-09	2.12E-08	2.74E-08	9.64E-10	3.46E-09	4.42E-09	5.19E-10	1.60E-09	2.12E-09
5189	436917.64	3762448.1	5.9E-09	2.01E-08	2.60E-08	9.16E-10	3.29E-09	4.20E-09	4.94E-10	1.52E-09	2.02E-09
5190	436923.69	3762433.47	5.8E-09	1.98E-08	2.56E-08	9.01E-10	3.23E-09	4.13E-09	4.86E-10	1.50E-09	1.98E-09
5191	436929.73	3762418.85	5.71E-09	1.95E-08	2.52E-08	8.87E-10	3.18E-09	4.07E-09	4.78E-10	1.47E-09	1.95E-09
5192	436935.77	3762404.22	5.61E-09	1.91E-08	2.47E-08	8.72E-10	3.13E-09	4.00E-09	4.70E-10	1.45E-09	1.92E-09
5193	436941.81	3762389.59	5.51E-09	1.88E-08	2.43E-08	8.56E-10	3.07E-09	3.92E-09	4.61E-10	1.42E-09	1.88E-09
5194	436947.86	3762374.96	5.4E-09	1.84E-08	2.38E-08	8.40E-10	3.01E-09	3.85E-09	4.52E-10	1.40E-09	1.85E-09
5195	436953.9	3762360.33	5.3E-09	1.81E-08	2.34E-08	8.23E-10	2.95E-09	3.77E-09	4.43E-10	1.37E-09	1.81E-09
5196	436959.94	3762345.7	5.18E-09	1.77E-08	2.29E-08	8.05E-10	2.89E-09	3.69E-09	4.34E-10	1.34E-09	1.77E-09
5197	436965.98	3762331.08	5.07E-09	1.73E-08	2.23E-08	7.87E-10	2.82E-09	3.61E-09	4.24E-10	1.31E-09	1.73E-09
5198	436972.03	3762316.45	4.95E-09	1.69E-08	2.18E-08	7.69E-10	2.76E-09	3.53E-09	4.14E-10	1.28E-09	1.69E-09
5199	436978.07	3762301.82	4.83E-09	1.65E-08	2.13E-08	7.50E-10	2.69E-09	3.44E-09	4.04E-10	1.25E-09	1.65E-09
5200	436984.11	3762287.19	4.71E-09	1.61E-08	2.08E-08	7.32E-10	2.62E-09	3.36E-09	3.94E-10	1.22E-09	1.61E-09
5201	436997.46	3762269.51	4.61E-09	1.57E-08	2.03E-08	7.16E-10	2.57E-09	3.28E-09	3.86E-10	1.19E-09	1.58E-09
5202	437012.06	3762263.42	4.64E-09	1.58E-08	2.05E-08	7.21E-10	2.59E-09	3.31E-09	3.88E-10	1.20E-09	1.59E-09
5203	437026.67	3762257.32	4.66E-09	1.59E-08	2.06E-08	7.25E-10	2.60E-09	3.32E-09	3.90E-10	1.21E-09	1.60E-09
5204	437041.27	3762251.22	4.68E-09	1.60E-08	2.06E-08	7.27E-10	2.61E-09	3.34E-09	3.92E-10	1.21E-09	1.60E-09
5205	437055.88	3762245.12	4.69E-09	1.60E-08	2.07E-08	7.29E-10	2.61E-09	3.34E-09	3.93E-10	1.21E-09	1.60E-09
5206	437070.48	3762239.02	4.69E-09	1.60E-08	2.07E-08	7.29E-10	2.61E-09	3.34E-09	3.93E-10	1.21E-09	1.61E-09
5207	437085.09	3762232.92	4.69E-09	1.60E-08	2.07E-08	7.29E-10	2.61E-09	3.34E-09	3.93E-10	1.21E-09	1.60E-09
5208	437099.69	3762226.82	4.68E-09	1.60E-08	2.06E-08	7.27E-10	2.61E-09	3.33E-09	3.92E-10	1.21E-09	1.60E-09
5209	437114.3	3762220.72	4.66E-09	1.59E-08	2.06E-08	7.24E-10	2.60E-09	3.32E-09	3.90E-10	1.20E-09	1.59E-09
5210	437128.9	3762214.62	4.64E-09	1.58E-08	2.05E-08	7.21E-10	2.58E-09	3.30E-09	3.88E-10	1.20E-09	1.59E-09
5211	437143.51	3762208.53	4.61E-09	1.57E-08	2.03E-08	7.16E-10	2.57E-09	3.28E-09	3.86E-10	1.19E-09	1.58E-09
5212	437158.11	3762202.43	4.57E-09	1.56E-08	2.01E-08	7.10E-10	2.54E-09	3.25E-09	3.82E-10	1.18E-09	1.56E-09
5213	437172.72	3762196.33	4.53E-09	1.54E-08	2.00E-08	7.03E-10	2.52E-09	3.22E-09	3.79E-10	1.17E-09	1.55E-09
5214	437187.32	3762190.23	4.48E-09	1.53E-08	1.98E-08	6.96E-10	2.49E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
5215	437201.93	3762184.13	4.43E-09	1.51E-08	1.95E-08	6.88E-10	2.47E-09	3.16E-09	3.71E-10	1.14E-09	1.51E-09
5216	437216.53	3762178.03	4.38E-09	1.49E-08	1.93E-08	6.80E-10	2.44E-09	3.12E-09	3.66E-10	1.13E-09	1.50E-09
5217	437231.14	3762171.93	4.32E-09	1.47E-08	1.91E-08	6.71E-10	2.41E-09	3.08E-09	3.62E-10	1.12E-09	1.48E-09
5218	437245.74	3762165.83	4.27E-09	1.45E-08	1.88E-08	6.63E-10	2.38E-09	3.04E-09	3.57E-10	1.10E-09	1.46E-09
5219	437260.35	3762159.73	4.21E-09	1.44E-08	1.86E-08	6.55E-10	2.35E-09	3.00E-09	3.53E-10	1.09E-09	1.44E-09
5220	437274.95	3762153.64	4.16E-09	1.42E-08	1.83E-08	6.47E-10	2.32E-09	2.96E-09	3.48E-10	1.08E-09	1.42E-09
5221	437289.56	3762147.54	4.11E-09	1.40E-08	1.81E-08	6.38E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.41E-09
5222	437304.16	3762141.44	4.06E-09	1.38E-08	1.79E-08	6.31E-10	2.26E-09	2.89E-09	3.40E-10	1.05E-09	1.39E-09
5223	437318.77	3762135.34	4.01E-09	1.37E-08	1.77E-08	6.23E-10	2.23E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
5224	437333.37	3762129.24	3.97E-09	1.35E-08	1.75E-08	6.17E-10	2.21E-09	2.83E-09	3.32E-10	1.03E-09	1.36E-09
5225	437347.98	3762123.14	3.93E-09	1.34E-08	1.73E-08	6.10E-10	2.19E-09	2.80E-09	3.29E-10	1.02E-09	1.34E-09
5226	437362.58	3762117.04	3.89E-09	1.33E-08	1.72E-08	6.05E-10	2.17E-09	2.77E-09	3.26E-10	1.01E-09	1.33E-09
5227	437377.19	3762110.94	3.86E-09	1.31E-08	1.70E-08	5.99E-10	2.15E-09	2.75E-09	3.23E-10	9.96E-10	1.32E-09
5228	436823.98	3762682.8	7.09E-09	2.42E-08	3.13E-08	1.10E-09	3.95E-09	5.05E-09	5.93E-10	1.83E-09	2.42E-09
5229	436823.98	3762698.72	7.2E-09	2.45E-08	3.17E-08	1.12E-09	4.01E-09	5.13E-09	6.02E-10	1.86E-09	2.46E-09
5230	436797	3762667.54	6.45E-09	2.20E-08	2.84E-08	1.00E-09	3.59E-09	4.59E-09	5.40E-10	1.67E-09	2.21E-09
5231	436803.03	3762652.94	6.45E-09	2.20E-08	2.84E-08	1.00E-09	3.59E-09	4.59E-09	5.40E-10	1.67E-09	2.21E-09
5232	436809.06	3762638.34	6.43E-09	2.19E-08	2.84E-08	9.99E-10	3.58E-09	4.58E-09	5.38E-10	1.66E-09	2.20E-09
5233	436815.09	3762623.73	6.4E-09	2.18E-08	2.82E-08	9.94E-10	3.56E-09	4.56E-09	5.35E-10	1.65E-09	2.19E-09
5234	436821.12	3762609.13	6.34E-09	2.16E-08	2.80E-08	9.86E-10	3.53E-09	4.52E-09	5.31E-10	1.64E-09	2.17E-09
5235	436827.15	3762594.53	6.28E-09	2.14E-08	2.77E-08	9.76E-10	3.50E-09	4.48E-09	5.26E-10	1.62E-09	2.15E-09
5236	436833.19	3762579.93	6.22E-09	2.12E-08	2.74E-08	9.66E-10	3.46E-09	4.43E-09	5.20E-10	1.61E-09	2.13E-09
5237	436839.22	3762565.33	6.15E-09	2.10E-08	2.71E-08	9.55E-10	3.42E-09	4.38E-09	5.15E-10	1.59E-09	2.10E-09
5238	436845.25	3762550.73	6.08E-09	2.07E-08	2.68E-08	9.44E-10	3.39E-09	4.33E-09	5.09E-10	1.57E-09	2.08E-09
5239	436851.28	3762536.12	6E-09	2.05E-08	2.65E-08	9.33E-10	3.34E-09	4.28E-09	5.02E-10	1.55E-09	2.05E-09
5240	436857.31	3762521.52	5.92E-09	2.02E-08	2.61E-08	9.20E-10	3.30E-09	4.22E-09	4.96E-10	1.53E-09	2.03E-09
5241	436863.35	3762506.92	5.84E-09	1.99E-08	2.58E-08	9.08E-10	3.25E-09	4.16E-09	4.89E-10	1.51E-09	2.00E-09
5242	436869.38	3762492.32	5.75E-09	1.96E-08	2.54E-08	8.94E-10	3.21E-09	4.10E-09	4.82E-10	1.49E-09	1.97E-09

5243	436875.41	3762477.72	5.67E-09	1.93E-08	2.50E-08	8.81E-10	3.16E-09	4.04E-09	4.75E-10	1.46E-09	1.94E-09
5244	436893.5	3762433.91	5.41E-09	1.84E-08	2.38E-08	8.40E-10	3.01E-09	3.85E-09	4.52E-10	1.40E-09	1.85E-09
5245	436899.54	3762419.31	5.32E-09	1.81E-08	2.35E-08	8.27E-10	2.96E-09	3.79E-09	4.45E-10	1.37E-09	1.82E-09
5246	436905.57	3762404.71	5.23E-09	1.78E-08	2.31E-08	8.13E-10	2.92E-09	3.73E-09	4.38E-10	1.35E-09	1.79E-09
5247	436911.6	3762390.11	5.15E-09	1.76E-08	2.27E-08	8.00E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
5248	436917.63	3762375.51	5.06E-09	1.73E-08	2.23E-08	7.87E-10	2.82E-09	3.61E-09	4.24E-10	1.31E-09	1.73E-09
5249	436923.66	3762360.9	4.97E-09	1.69E-08	2.19E-08	7.72E-10	2.77E-09	3.54E-09	4.16E-10	1.28E-09	1.70E-09
5250	436929.7	3762346.3	4.88E-09	1.66E-08	2.15E-08	7.58E-10	2.72E-09	3.47E-09	4.08E-10	1.26E-09	1.67E-09
5251	436935.73	3762331.7	4.78E-09	1.63E-08	2.11E-08	7.43E-10	2.66E-09	3.41E-09	4.00E-10	1.24E-09	1.64E-09
5252	436941.76	3762317.1	4.68E-09	1.60E-08	2.06E-08	7.27E-10	2.61E-09	3.33E-09	3.92E-10	1.21E-09	1.60E-09
5253	436947.79	3762302.5	4.58E-09	1.56E-08	2.02E-08	7.11E-10	2.55E-09	3.26E-09	3.83E-10	1.18E-09	1.57E-09
5254	436953.82	3762287.9	4.48E-09	1.53E-08	1.97E-08	6.96E-10	2.49E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
5255	436959.85	3762273.29	4.38E-09	1.49E-08	1.93E-08	6.80E-10	2.44E-09	3.12E-09	3.66E-10	1.13E-09	1.50E-09
5256	436965.89	3762258.69	4.28E-09	1.46E-08	1.89E-08	6.64E-10	2.38E-09	3.05E-09	3.58E-10	1.10E-09	1.46E-09
5257	436976.19	3762248.35	4.24E-09	1.45E-08	1.87E-08	6.59E-10	2.36E-09	3.02E-09	3.55E-10	1.10E-09	1.45E-09
5258	436990.77	3762242.26	4.27E-09	1.46E-08	1.88E-08	6.64E-10	2.38E-09	3.04E-09	3.58E-10	1.10E-09	1.46E-09
5259	437005.35	3762236.17	4.29E-09	1.46E-08	1.89E-08	6.67E-10	2.39E-09	3.06E-09	3.59E-10	1.11E-09	1.47E-09
5260	437019.93	3762230.08	4.31E-09	1.47E-08	1.90E-08	6.70E-10	2.40E-09	3.07E-09	3.61E-10	1.11E-09	1.48E-09
5261	437034.5	3762224	4.32E-09	1.47E-08	1.91E-08	6.72E-10	2.41E-09	3.08E-09	3.62E-10	1.12E-09	1.48E-09
5262	437049.08	3762217.91	4.33E-09	1.48E-08	1.91E-08	6.72E-10	2.41E-09	3.08E-09	3.62E-10	1.12E-09	1.48E-09
5263	437063.66	3762211.82	4.32E-09	1.47E-08	1.91E-08	6.72E-10	2.41E-09	3.08E-09	3.62E-10	1.12E-09	1.48E-09
5264	437078.24	3762205.73	4.32E-09	1.47E-08	1.90E-08	6.70E-10	2.40E-09	3.07E-09	3.61E-10	1.11E-09	1.48E-09
5265	437092.82	3762199.64	4.3E-09	1.47E-08	1.90E-08	6.68E-10	2.40E-09	3.06E-09	3.60E-10	1.11E-09	1.47E-09
5266	437107.4	3762193.56	4.28E-09	1.46E-08	1.89E-08	6.65E-10	2.38E-09	3.05E-09	3.58E-10	1.11E-09	1.46E-09
5267	437121.98	3762187.47	4.26E-09	1.45E-08	1.88E-08	6.61E-10	2.37E-09	3.03E-09	3.56E-10	1.10E-09	1.46E-09
5268	437136.55	3762181.38	4.22E-09	1.44E-08	1.86E-08	6.56E-10	2.35E-09	3.01E-09	3.54E-10	1.09E-09	1.45E-09
5269	437151.13	3762175.29	4.19E-09	1.43E-08	1.85E-08	6.51E-10	2.33E-09	2.98E-09	3.51E-10	1.08E-09	1.43E-09
5270	437165.71	3762169.21	4.15E-09	1.41E-08	1.83E-08	6.45E-10	2.31E-09	2.96E-09	3.47E-10	1.07E-09	1.42E-09
5271	437180.29	3762163.12	4.11E-09	1.40E-08	1.81E-08	6.38E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.41E-09
5272	437194.87	3762157.03	4.06E-09	1.39E-08	1.79E-08	6.31E-10	2.26E-09	2.89E-09	3.40E-10	1.05E-09	1.39E-09
5273	437209.45	3762150.94	4.02E-09	1.37E-08	1.77E-08	6.24E-10	2.24E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
5274	437224.02	3762144.85	3.97E-09	1.35E-08	1.75E-08	6.16E-10	2.21E-09	2.83E-09	3.32E-10	1.03E-09	1.36E-09
5275	437238.6	3762138.77	3.92E-09	1.34E-08	1.73E-08	6.09E-10	2.18E-09	2.79E-09	3.28E-10	1.01E-09	1.34E-09
5276	437253.18	3762132.68	3.87E-09	1.32E-08	1.71E-08	6.01E-10	2.16E-09	2.76E-09	3.24E-10	1.00E-09	1.32E-09
5277	437267.76	3762126.59	3.82E-09	1.30E-08	1.69E-08	5.94E-10	2.13E-09	2.72E-09	3.20E-10	9.88E-10	1.31E-09
5278	437282.34	3762120.5	3.78E-09	1.29E-08	1.67E-08	5.87E-10	2.10E-09	2.69E-09	3.16E-10	9.76E-10	1.29E-09
5279	437296.92	3762114.42	3.73E-09	1.27E-08	1.65E-08	5.80E-10	2.08E-09	2.66E-09	3.13E-10	9.65E-10	1.28E-09
5280	437311.49	3762108.33	3.69E-09	1.26E-08	1.63E-08	5.74E-10	2.06E-09	2.63E-09	3.09E-10	9.54E-10	1.26E-09
5281	437326.07	3762102.24	3.65E-09	1.25E-08	1.61E-08	5.68E-10	2.04E-09	2.60E-09	3.06E-10	9.44E-10	1.25E-09
5282	437340.65	3762096.15	3.62E-09	1.23E-08	1.60E-08	5.62E-10	2.02E-09	2.58E-09	3.03E-10	9.35E-10	1.24E-09
5283	437355.23	3762090.06	3.59E-09	1.22E-08	1.58E-08	5.57E-10	2.00E-09	2.55E-09	3.00E-10	9.26E-10	1.23E-09
5284	436793.98	3762682.8	6.5E-09	2.22E-08	2.86E-08	1.01E-09	3.62E-09	4.63E-09	5.44E-10	1.68E-09	2.22E-09
5285	436793.98	3762698.72	6.59E-09	2.25E-08	2.90E-08	1.02E-09	3.67E-09	4.69E-09	5.51E-10	1.70E-09	2.25E-09
5286	436756.99	3762667.55	5.78E-09	1.97E-08	2.55E-08	8.98E-10	3.22E-09	4.12E-09	4.84E-10	1.49E-09	1.98E-09
5287	436763.01	3762652.98	5.78E-09	1.97E-08	2.55E-08	8.99E-10	3.22E-09	4.12E-09	4.84E-10	1.49E-09	1.98E-09
5288	436769.03	3762638.41	5.77E-09	1.97E-08	2.55E-08	8.97E-10	3.22E-09	4.11E-09	4.83E-10	1.49E-09	1.98E-09
5289	436775.05	3762623.84	5.75E-09	1.96E-08	2.54E-08	8.94E-10	3.20E-09	4.10E-09	4.81E-10	1.49E-09	1.97E-09
5290	436781.06	3762609.27	5.72E-09	1.95E-08	2.52E-08	8.89E-10	3.19E-09	4.07E-09	4.79E-10	1.48E-09	1.96E-09
5291	436787.08	3762594.7	5.68E-09	1.94E-08	2.50E-08	8.82E-10	3.16E-09	4.04E-09	4.75E-10	1.47E-09	1.94E-09
5292	436793.1	3762580.13	5.62E-09	1.92E-08	2.48E-08	8.73E-10	3.13E-09	4.01E-09	4.71E-10	1.45E-09	1.92E-09
5293	436799.12	3762565.56	5.56E-09	1.90E-08	2.45E-08	8.64E-10	3.10E-09	3.96E-09	4.65E-10	1.44E-09	1.90E-09
5294	436805.14	3762550.99	5.5E-09	1.87E-08	2.42E-08	8.54E-10	3.06E-09	3.92E-09	4.60E-10	1.42E-09	1.88E-09
5295	436811.16	3762536.42	5.43E-09	1.85E-08	2.40E-08	8.44E-10	3.03E-09	3.87E-09	4.55E-10	1.40E-09	1.86E-09
5296	436817.18	3762521.85	5.37E-09	1.83E-08	2.37E-08	8.34E-10	2.99E-09	3.82E-09	4.49E-10	1.39E-09	1.84E-09
5297	436823.2	3762507.28	5.3E-09	1.81E-08	2.34E-08	8.23E-10	2.95E-09	3.77E-09	4.43E-10	1.37E-09	1.81E-09
5298	436829.22	3762492.71	5.23E-09	1.78E-08	2.30E-08	8.12E-10	2.91E-09	3.72E-09	4.37E-10	1.35E-09	1.79E-09
5299	436835.23	3762478.14	5.15E-09	1.76E-08	2.27E-08	8.01E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
5300	436841.25	3762463.57	5.08E-09	1.73E-08	2.24E-08	7.89E-10	2.83E-09	3.62E-09	4.25E-10	1.31E-09	1.74E-09
5301	436859.31	3762419.86	4.86E-09	1.66E-08	2.14E-08	7.55E-10	2.71E-09	3.46E-09	4.07E-10	1.26E-09	1.66E-09
5302	436865.33	3762405.29	4.78E-09	1.63E-08	2.11E-08	7.43E-10	2.66E-09	3.41E-09	4.00E-10	1.24E-09	1.64E-09
5303	436871.35	3762390.72	4.7E-09	1.60E-08	2.07E-08	7.31E-10	2.62E-09	3.35E-09	3.94E-10	1.22E-09	1.61E-09

5304	436877.37	3762376.15	4.63E-09	1.58E-08	2.04E-08	7.20E-10	2.58E-09	3.30E-09	3.88E-10	1.20E-09	1.59E-09
5305	436883.38	3762361.58	4.54E-09	1.55E-08	2.00E-08	7.06E-10	2.53E-09	3.24E-09	3.80E-10	1.17E-09	1.55E-09
5306	436889.4	3762347.01	4.47E-09	1.52E-08	1.97E-08	6.94E-10	2.49E-09	3.18E-09	3.74E-10	1.15E-09	1.53E-09
5307	436895.42	3762332.44	4.4E-09	1.50E-08	1.94E-08	6.83E-10	2.45E-09	3.13E-09	3.68E-10	1.14E-09	1.50E-09
5308	436901.44	3762317.87	4.33E-09	1.48E-08	1.91E-08	6.72E-10	2.41E-09	3.08E-09	3.62E-10	1.12E-09	1.48E-09
5309	436907.46	3762303.3	4.25E-09	1.45E-08	1.87E-08	6.60E-10	2.37E-09	3.03E-09	3.56E-10	1.10E-09	1.45E-09
5310	436913.48	3762288.73	4.17E-09	1.42E-08	1.84E-08	6.48E-10	2.32E-09	2.97E-09	3.49E-10	1.08E-09	1.43E-09
5311	436919.5	3762274.16	4.09E-09	1.40E-08	1.80E-08	6.36E-10	2.28E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
5312	436925.52	3762259.59	4.01E-09	1.37E-08	1.77E-08	6.24E-10	2.24E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
5313	436931.54	3762245.02	3.93E-09	1.34E-08	1.73E-08	6.11E-10	2.19E-09	2.80E-09	3.29E-10	1.02E-09	1.35E-09
5314	436937.55	3762230.45	3.84E-09	1.31E-08	1.70E-08	5.97E-10	2.14E-09	2.74E-09	3.22E-10	9.93E-10	1.32E-09
5315	436947.84	3762220.12	3.81E-09	1.30E-08	1.68E-08	5.93E-10	2.12E-09	2.72E-09	3.19E-10	9.85E-10	1.30E-09
5316	436962.38	3762214.05	3.84E-09	1.31E-08	1.69E-08	5.96E-10	2.14E-09	2.73E-09	3.21E-10	9.92E-10	1.31E-09
5317	436976.93	3762207.97	3.86E-09	1.32E-08	1.70E-08	6.00E-10	2.15E-09	2.75E-09	3.23E-10	9.97E-10	1.32E-09
5318	436991.48	3762201.9	3.88E-09	1.32E-08	1.71E-08	6.02E-10	2.16E-09	2.76E-09	3.24E-10	1.00E-09	1.33E-09
5319	437006.03	3762195.83	3.89E-09	1.33E-08	1.72E-08	6.04E-10	2.17E-09	2.77E-09	3.26E-10	1.01E-09	1.33E-09
5320	437020.57	3762189.75	3.9E-09	1.33E-08	1.72E-08	6.05E-10	2.17E-09	2.78E-09	3.26E-10	1.01E-09	1.33E-09
5321	437035.12	3762183.68	3.9E-09	1.33E-08	1.72E-08	6.06E-10	2.17E-09	2.78E-09	3.26E-10	1.01E-09	1.33E-09
5322	437049.67	3762177.6	3.89E-09	1.33E-08	1.72E-08	6.05E-10	2.17E-09	2.77E-09	3.26E-10	1.01E-09	1.33E-09
5323	437064.21	3762171.53	3.88E-09	1.32E-08	1.71E-08	6.03E-10	2.16E-09	2.76E-09	3.25E-10	1.00E-09	1.33E-09
5324	437078.76	3762165.45	3.87E-09	1.32E-08	1.70E-08	6.01E-10	2.15E-09	2.75E-09	3.24E-10	9.99E-10	1.32E-09
5325	437093.31	3762159.38	3.85E-09	1.31E-08	1.70E-08	5.98E-10	2.14E-09	2.74E-09	3.22E-10	9.94E-10	1.32E-09
5326	437107.85	3762153.3	3.83E-09	1.30E-08	1.69E-08	5.94E-10	2.13E-09	2.73E-09	3.20E-10	9.89E-10	1.31E-09
5327	437122.4	3762147.23	3.8E-09	1.30E-08	1.67E-08	5.90E-10	2.12E-09	2.71E-09	3.18E-10	9.81E-10	1.30E-09
5328	437136.95	3762141.15	3.77E-09	1.28E-08	1.66E-08	5.85E-10	2.10E-09	2.68E-09	3.15E-10	9.73E-10	1.29E-09
5329	437151.5	3762135.08	3.73E-09	1.27E-08	1.65E-08	5.80E-10	2.08E-09	2.66E-09	3.12E-10	9.65E-10	1.28E-09
5330	437166.04	3762129	3.7E-09	1.26E-08	1.63E-08	5.74E-10	2.06E-09	2.63E-09	3.09E-10	9.55E-10	1.26E-09
5331	437180.59	3762122.93	3.66E-09	1.25E-08	1.61E-08	5.68E-10	2.04E-09	2.61E-09	3.06E-10	9.45E-10	1.25E-09
5332	437195.14	3762116.85	3.62E-09	1.23E-08	1.60E-08	5.62E-10	2.02E-09	2.58E-09	3.03E-10	9.35E-10	1.24E-09
5333	437209.68	3762110.78	3.58E-09	1.22E-08	1.58E-08	5.56E-10	1.99E-09	2.55E-09	2.99E-10	9.24E-10	1.22E-09
5334	437224.23	3762104.7	3.53E-09	1.21E-08	1.56E-08	5.49E-10	1.97E-09	2.52E-09	2.96E-10	9.13E-10	1.21E-09
5335	437238.78	3762098.63	3.49E-09	1.19E-08	1.54E-08	5.42E-10	1.94E-09	2.49E-09	2.92E-10	9.02E-10	1.19E-09
5336	437253.32	3762092.55	3.45E-09	1.18E-08	1.52E-08	5.36E-10	1.92E-09	2.46E-09	2.89E-10	8.91E-10	1.18E-09
5337	436753.98	3762682.8	5.82E-09	1.98E-08	2.57E-08	9.04E-10	3.24E-09	4.14E-09	4.87E-10	1.50E-09	1.99E-09
5338	436753.98	3762698.72	5.89E-09	2.01E-08	2.60E-08	9.15E-10	3.28E-09	4.19E-09	4.93E-10	1.52E-09	2.01E-09
5339	436716.98	3762667.57	5.22E-09	1.78E-08	2.30E-08	8.11E-10	2.91E-09	3.72E-09	4.37E-10	1.35E-09	1.79E-09
5340	436722.99	3762653.03	5.22E-09	1.78E-08	2.30E-08	8.12E-10	2.91E-09	3.72E-09	4.37E-10	1.35E-09	1.79E-09
5341	436729	3762638.48	5.22E-09	1.78E-08	2.30E-08	8.11E-10	2.91E-09	3.72E-09	4.37E-10	1.35E-09	1.79E-09
5342	436735.01	3762623.94	5.2E-09	1.77E-08	2.30E-08	8.09E-10	2.90E-09	3.71E-09	4.36E-10	1.34E-09	1.78E-09
5343	436741.01	3762609.4	5.18E-09	1.77E-08	2.28E-08	8.04E-10	2.88E-09	3.69E-09	4.33E-10	1.34E-09	1.77E-09
5344	436747.02	3762594.86	5.14E-09	1.75E-08	2.27E-08	7.99E-10	2.87E-09	3.66E-09	4.31E-10	1.33E-09	1.76E-09
5345	436753.03	3762580.31	5.1E-09	1.74E-08	2.25E-08	7.93E-10	2.84E-09	3.64E-09	4.27E-10	1.32E-09	1.75E-09
5346	436759.04	3762565.77	5.06E-09	1.72E-08	2.23E-08	7.86E-10	2.82E-09	3.60E-09	4.23E-10	1.31E-09	1.73E-09
5347	436765.04	3762551.23	5.01E-09	1.71E-08	2.21E-08	7.78E-10	2.79E-09	3.57E-09	4.19E-10	1.29E-09	1.71E-09
5348	436771.05	3762536.68	4.95E-09	1.69E-08	2.18E-08	7.69E-10	2.76E-09	3.53E-09	4.14E-10	1.28E-09	1.69E-09
5349	436777.06	3762522.14	4.89E-09	1.67E-08	2.16E-08	7.60E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
5350	436783.07	3762507.6	4.83E-09	1.65E-08	2.13E-08	7.50E-10	2.69E-09	3.44E-09	4.04E-10	1.25E-09	1.65E-09
5351	436789.07	3762493.06	4.77E-09	1.63E-08	2.10E-08	7.41E-10	2.66E-09	3.40E-09	3.99E-10	1.23E-09	1.63E-09
5352	436795.08	3762478.51	4.7E-09	1.60E-08	2.07E-08	7.31E-10	2.62E-09	3.35E-09	3.94E-10	1.22E-09	1.61E-09
5353	436801.09	3762463.97	4.64E-09	1.58E-08	2.05E-08	7.21E-10	2.59E-09	3.31E-09	3.89E-10	1.20E-09	1.59E-09
5354	436807.1	3762449.43	4.58E-09	1.56E-08	2.02E-08	7.12E-10	2.55E-09	3.26E-09	3.84E-10	1.18E-09	1.57E-09
5355	436831.12	3762391.26	4.33E-09	1.48E-08	1.91E-08	6.73E-10	2.41E-09	3.09E-09	3.62E-10	1.12E-09	1.48E-09
5356	436837.13	3762376.72	4.27E-09	1.46E-08	1.88E-08	6.63E-10	2.38E-09	3.04E-09	3.57E-10	1.10E-09	1.46E-09
5357	436843.14	3762362.17	4.2E-09	1.43E-08	1.85E-08	6.52E-10	2.34E-09	2.99E-09	3.51E-10	1.08E-09	1.44E-09
5358	436849.15	3762347.63	4.13E-09	1.41E-08	1.82E-08	6.42E-10	2.30E-09	2.94E-09	3.46E-10	1.07E-09	1.41E-09
5359	436855.15	3762333.09	4.07E-09	1.39E-08	1.79E-08	6.32E-10	2.27E-09	2.90E-09	3.40E-10	1.05E-09	1.39E-09
5360	436861.16	3762318.54	4.01E-09	1.37E-08	1.77E-08	6.22E-10	2.23E-09	2.85E-09	3.35E-10	1.03E-09	1.37E-09
5361	436867.17	3762304	3.95E-09	1.35E-08	1.74E-08	6.13E-10	2.20E-09	2.81E-09	3.30E-10	1.02E-09	1.35E-09
5362	436873.18	3762289.46	3.89E-09	1.33E-08	1.71E-08	6.04E-10	2.17E-09	2.77E-09	3.25E-10	1.00E-09	1.33E-09
5363	436879.18	3762274.92	3.83E-09	1.30E-08	1.69E-08	5.94E-10	2.13E-09	2.73E-09	3.20E-10	9.89E-10	1.31E-09
5364	436885.19	3762260.37	3.76E-09	1.28E-08	1.66E-08	5.84E-10	2.10E-09	2.68E-09	3.15E-10	9.72E-10	1.29E-09

5365	436891.2	3762245.83	3.7E-09	1.26E-08	1.63E-08	5.74E-10	2.06E-09	2.63E-09	3.09E-10	9.55E-10	1.26E-09
5366	436897.21	3762231.29	3.62E-09	1.24E-08	1.60E-08	5.63E-10	2.02E-09	2.58E-09	3.03E-10	9.36E-10	1.24E-09
5367	436903.21	3762216.75	3.55E-09	1.21E-08	1.57E-08	5.51E-10	1.98E-09	2.53E-09	2.97E-10	9.17E-10	1.21E-09
5368	436909.22	3762202.2	3.47E-09	1.18E-08	1.53E-08	5.40E-10	1.93E-09	2.47E-09	2.91E-10	8.97E-10	1.19E-09
5369	436919.48	3762191.9	3.45E-09	1.18E-08	1.52E-08	5.36E-10	1.92E-09	2.46E-09	2.89E-10	8.91E-10	1.18E-09
5370	436934	3762185.84	3.47E-09	1.18E-08	1.53E-08	5.39E-10	1.93E-09	2.47E-09	2.90E-10	8.96E-10	1.19E-09
5371	436948.52	3762179.77	3.49E-09	1.19E-08	1.54E-08	5.42E-10	1.94E-09	2.48E-09	2.92E-10	9.01E-10	1.19E-09
5372	436963.04	3762173.71	3.5E-09	1.20E-08	1.55E-08	5.45E-10	1.95E-09	2.50E-09	2.93E-10	9.06E-10	1.20E-09
5373	436977.56	3762167.65	3.52E-09	1.20E-08	1.55E-08	5.46E-10	1.96E-09	2.50E-09	2.94E-10	9.08E-10	1.20E-09
5374	436992.08	3762161.58	3.52E-09	1.20E-08	1.55E-08	5.47E-10	1.96E-09	2.51E-09	2.95E-10	9.10E-10	1.21E-09
5375	437006.6	3762155.52	3.53E-09	1.20E-08	1.56E-08	5.48E-10	1.96E-09	2.51E-09	2.95E-10	9.11E-10	1.21E-09
5376	437021.12	3762149.46	3.52E-09	1.20E-08	1.55E-08	5.48E-10	1.96E-09	2.51E-09	2.95E-10	9.11E-10	1.21E-09
5377	437122.76	3762107.01	3.41E-09	1.16E-08	1.51E-08	5.30E-10	1.90E-09	2.43E-09	2.86E-10	8.82E-10	1.17E-09
5378	437137.28	3762100.95	3.38E-09	1.15E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.83E-10	8.75E-10	1.16E-09
5379	437151.8	3762094.89	3.35E-09	1.14E-08	1.48E-08	5.21E-10	1.87E-09	2.39E-09	2.81E-10	8.66E-10	1.15E-09
5380	437166.32	3762088.83	3.32E-09	1.13E-08	1.46E-08	5.16E-10	1.85E-09	2.36E-09	2.78E-10	8.57E-10	1.14E-09
5381	436713.98	3762682.8	5.24E-09	1.79E-08	2.31E-08	8.15E-10	2.92E-09	3.74E-09	4.39E-10	1.35E-09	1.79E-09
5382	436713.98	3762698.72	5.3E-09	1.81E-08	2.34E-08	8.23E-10	2.95E-09	3.77E-09	4.44E-10	1.37E-09	1.81E-09
5383	436676.98	3762667.58	4.74E-09	1.62E-08	2.09E-08	7.36E-10	2.64E-09	3.37E-09	3.96E-10	1.22E-09	1.62E-09
5384	436682.98	3762653.06	4.75E-09	1.62E-08	2.09E-08	7.38E-10	2.64E-09	3.38E-09	3.97E-10	1.23E-09	1.62E-09
5385	436688.97	3762638.54	4.75E-09	1.62E-08	2.09E-08	7.38E-10	2.64E-09	3.38E-09	3.97E-10	1.23E-09	1.62E-09
5386	436694.97	3762624.03	4.74E-09	1.62E-08	2.09E-08	7.36E-10	2.64E-09	3.38E-09	3.97E-10	1.22E-09	1.62E-09
5387	436700.97	3762609.51	4.72E-09	1.61E-08	2.08E-08	7.33E-10	2.63E-09	3.36E-09	3.95E-10	1.22E-09	1.61E-09
5388	436706.97	3762594.99	4.69E-09	1.60E-08	2.07E-08	7.29E-10	2.61E-09	3.34E-09	3.93E-10	1.21E-09	1.61E-09
5389	436712.96	3762580.47	4.66E-09	1.59E-08	2.05E-08	7.24E-10	2.60E-09	3.32E-09	3.90E-10	1.20E-09	1.59E-09
5390	436718.96	3762565.95	4.62E-09	1.58E-08	2.04E-08	7.18E-10	2.57E-09	3.29E-09	3.87E-10	1.19E-09	1.58E-09
5391	436724.96	3762551.43	4.58E-09	1.56E-08	2.02E-08	7.11E-10	2.55E-09	3.26E-09	3.83E-10	1.18E-09	1.57E-09
5392	436730.95	3762536.92	4.53E-09	1.54E-08	2.00E-08	7.04E-10	2.52E-09	3.23E-09	3.79E-10	1.17E-09	1.55E-09
5393	436736.95	3762522.4	4.48E-09	1.53E-08	1.98E-08	6.96E-10	2.50E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
5394	436742.95	3762507.88	4.43E-09	1.51E-08	1.95E-08	6.88E-10	2.47E-09	3.15E-09	3.71E-10	1.14E-09	1.51E-09
5395	436748.95	3762493.36	4.37E-09	1.49E-08	1.93E-08	6.80E-10	2.44E-09	3.12E-09	3.66E-10	1.13E-09	1.50E-09
5396	436754.94	3762478.84	4.32E-09	1.47E-08	1.90E-08	6.71E-10	2.41E-09	3.08E-09	3.62E-10	1.12E-09	1.48E-09
5397	436760.94	3762464.33	4.27E-09	1.45E-08	1.88E-08	6.63E-10	2.38E-09	3.04E-09	3.57E-10	1.10E-09	1.46E-09
5398	436766.94	3762449.81	4.21E-09	1.44E-08	1.86E-08	6.55E-10	2.35E-09	3.00E-09	3.53E-10	1.09E-09	1.44E-09
5399	436772.94	3762435.29	4.16E-09	1.42E-08	1.84E-08	6.47E-10	2.32E-09	2.96E-09	3.48E-10	1.08E-09	1.42E-09
5400	436778.93	3762420.77	4.11E-09	1.40E-08	1.81E-08	6.39E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.41E-09
5401	436802.92	3762362.7	3.91E-09	1.33E-08	1.72E-08	6.07E-10	2.18E-09	2.79E-09	3.27E-10	1.01E-09	1.34E-09
5402	436808.92	3762348.18	3.85E-09	1.31E-08	1.70E-08	5.99E-10	2.15E-09	2.75E-09	3.23E-10	9.96E-10	1.32E-09
5403	436814.92	3762333.66	3.8E-09	1.29E-08	1.67E-08	5.90E-10	2.11E-09	2.70E-09	3.18E-10	9.81E-10	1.30E-09
5404	436820.91	3762319.14	3.74E-09	1.28E-08	1.65E-08	5.81E-10	2.08E-09	2.67E-09	3.13E-10	9.67E-10	1.28E-09
5405	436826.91	3762304.62	3.69E-09	1.26E-08	1.63E-08	5.73E-10	2.06E-09	2.63E-09	3.09E-10	9.53E-10	1.26E-09
5406	436832.91	3762290.11	3.64E-09	1.24E-08	1.60E-08	5.65E-10	2.03E-09	2.59E-09	3.04E-10	9.40E-10	1.24E-09
5407	436838.91	3762275.59	3.58E-09	1.22E-08	1.58E-08	5.57E-10	2.00E-09	2.55E-09	3.00E-10	9.26E-10	1.23E-09
5408	436844.9	3762261.07	3.53E-09	1.20E-08	1.56E-08	5.48E-10	1.97E-09	2.51E-09	2.95E-10	9.12E-10	1.21E-09
5409	436850.9	3762246.55	3.47E-09	1.18E-08	1.53E-08	5.40E-10	1.94E-09	2.48E-09	2.91E-10	8.98E-10	1.19E-09
5410	436856.9	3762232.03	3.41E-09	1.16E-08	1.51E-08	5.31E-10	1.90E-09	2.43E-09	2.86E-10	8.82E-10	1.17E-09
5411	436862.9	3762217.52	3.35E-09	1.14E-08	1.48E-08	5.21E-10	1.87E-09	2.39E-09	2.80E-10	8.66E-10	1.15E-09
5412	436868.89	3762203	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.34E-09	2.75E-10	8.49E-10	1.12E-09
5413	436874.89	3762188.48	3.22E-09	1.10E-08	1.42E-08	5.00E-10	1.79E-09	2.29E-09	2.69E-10	8.32E-10	1.10E-09
5414	436880.89	3762173.96	3.16E-09	1.08E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.16E-10	1.08E-09
5415	436891.13	3762163.68	3.14E-09	1.07E-08	1.38E-08	4.88E-10	1.75E-09	2.24E-09	2.63E-10	8.11E-10	1.07E-09
5416	436905.63	3762157.62	3.16E-09	1.08E-08	1.39E-08	4.91E-10	1.76E-09	2.25E-09	2.65E-10	8.17E-10	1.08E-09
5417	436920.12	3762151.57	3.19E-09	1.09E-08	1.41E-08	4.95E-10	1.77E-09	2.27E-09	2.67E-10	8.23E-10	1.09E-09
5418	436934.62	3762145.52	3.2E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.27E-10	1.09E-09
5419	436949.11	3762139.46	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.29E-09	2.69E-10	8.29E-10	1.10E-09
5420	436963.61	3762133.41	3.21E-09	1.09E-08	1.42E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.30E-10	1.10E-09
5421	436978.1	3762127.36	3.21E-09	1.09E-08	1.42E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.29E-10	1.10E-09
5422	436992.6	3762121.3	3.21E-09	1.09E-08	1.42E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.29E-10	1.10E-09
5423	437007.09	3762115.25	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.29E-09	2.69E-10	8.29E-10	1.10E-09
5424	437021.59	3762109.2	3.2E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.28E-09	2.68E-10	8.28E-10	1.10E-09
5425	437340.48	3761976.03	2.67E-09	9.10E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.23E-10	6.90E-10	9.13E-10

5426	437354.98	3761969.98	2.65E-09	9.05E-09	1.17E-08	4.12E-10	1.48E-09	1.89E-09	2.22E-10	6.86E-10	9.08E-10
5427	437369.47	3761963.92	2.64E-09	9.00E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.82E-10	9.03E-10
5428	436673.98	3762682.8	4.75E-09	1.62E-08	2.10E-08	7.39E-10	2.65E-09	3.39E-09	3.98E-10	1.23E-09	1.63E-09
5429	436673.98	3762698.72	4.8E-09	1.64E-08	2.12E-08	7.45E-10	2.67E-09	3.42E-09	4.02E-10	1.24E-09	1.64E-09
5430	436637.02	3762667.49	4.32E-09	1.47E-08	1.91E-08	6.72E-10	2.41E-09	3.08E-09	3.62E-10	1.12E-09	1.48E-09
5431	436643.09	3762652.8	4.33E-09	1.48E-08	1.91E-08	6.74E-10	2.41E-09	3.09E-09	3.63E-10	1.12E-09	1.48E-09
5432	436649.16	3762638.1	4.34E-09	1.48E-08	1.91E-08	6.74E-10	2.42E-09	3.09E-09	3.63E-10	1.12E-09	1.48E-09
5433	436655.23	3762623.41	4.33E-09	1.48E-08	1.91E-08	6.73E-10	2.41E-09	3.09E-09	3.63E-10	1.12E-09	1.48E-09
5434	436661.3	3762608.71	4.32E-09	1.47E-08	1.90E-08	6.71E-10	2.41E-09	3.08E-09	3.62E-10	1.12E-09	1.48E-09
5435	436667.37	3762594.02	4.3E-09	1.47E-08	1.90E-08	6.68E-10	2.39E-09	3.06E-09	3.60E-10	1.11E-09	1.47E-09
5436	436673.44	3762579.32	4.27E-09	1.46E-08	1.88E-08	6.64E-10	2.38E-09	3.04E-09	3.57E-10	1.10E-09	1.46E-09
5437	436679.51	3762564.63	4.24E-09	1.45E-08	1.87E-08	6.58E-10	2.36E-09	3.02E-09	3.55E-10	1.09E-09	1.45E-09
5438	436685.58	3762549.93	4.2E-09	1.43E-08	1.85E-08	6.53E-10	2.34E-09	2.99E-09	3.52E-10	1.09E-09	1.44E-09
5439	436691.65	3762535.24	4.16E-09	1.42E-08	1.83E-08	6.47E-10	2.32E-09	2.96E-09	3.48E-10	1.08E-09	1.42E-09
5440	436697.72	3762520.54	4.12E-09	1.40E-08	1.82E-08	6.40E-10	2.29E-09	2.93E-09	3.45E-10	1.06E-09	1.41E-09
5441	436703.79	3762505.85	4.07E-09	1.39E-08	1.80E-08	6.33E-10	2.27E-09	2.90E-09	3.41E-10	1.05E-09	1.39E-09
5442	436709.86	3762491.15	4.02E-09	1.37E-08	1.77E-08	6.25E-10	2.24E-09	2.87E-09	3.37E-10	1.04E-09	1.38E-09
5443	436728.07	3762447.07	3.88E-09	1.32E-08	1.71E-08	6.03E-10	2.16E-09	2.76E-09	3.25E-10	1.00E-09	1.33E-09
5444	436734.14	3762432.37	3.83E-09	1.31E-08	1.69E-08	5.95E-10	2.13E-09	2.73E-09	3.21E-10	9.90E-10	1.31E-09
5445	436740.21	3762417.68	3.79E-09	1.29E-08	1.67E-08	5.88E-10	2.11E-09	2.70E-09	3.17E-10	9.78E-10	1.30E-09
5446	436746.28	3762402.98	3.74E-09	1.28E-08	1.65E-08	5.82E-10	2.09E-09	2.67E-09	3.13E-10	9.67E-10	1.28E-09
5447	436752.35	3762388.29	3.7E-09	1.26E-08	1.63E-08	5.75E-10	2.06E-09	2.64E-09	3.10E-10	9.56E-10	1.27E-09
5448	436758.42	3762373.59	3.66E-09	1.25E-08	1.61E-08	5.68E-10	2.04E-09	2.61E-09	3.06E-10	9.45E-10	1.25E-09
5449	436782.7	3762314.81	3.48E-09	1.19E-08	1.53E-08	5.41E-10	1.94E-09	2.48E-09	2.91E-10	8.99E-10	1.19E-09
5450	436788.77	3762300.12	3.44E-09	1.17E-08	1.52E-08	5.34E-10	1.91E-09	2.45E-09	2.88E-10	8.88E-10	1.18E-09
5451	436794.84	3762285.42	3.39E-09	1.16E-08	1.50E-08	5.27E-10	1.89E-09	2.42E-09	2.84E-10	8.76E-10	1.16E-09
5452	436800.91	3762270.73	3.35E-09	1.14E-08	1.48E-08	5.20E-10	1.86E-09	2.38E-09	2.80E-10	8.65E-10	1.15E-09
5453	436806.99	3762256.03	3.3E-09	1.12E-08	1.45E-08	5.13E-10	1.84E-09	2.35E-09	2.76E-10	8.52E-10	1.13E-09
5454	436813.06	3762241.34	3.25E-09	1.11E-08	1.43E-08	5.05E-10	1.81E-09	2.32E-09	2.72E-10	8.40E-10	1.11E-09
5455	436819.13	3762226.64	3.2E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.26E-10	1.09E-09
5456	436825.2	3762211.95	3.14E-09	1.07E-08	1.39E-08	4.89E-10	1.75E-09	2.24E-09	2.63E-10	8.13E-10	1.08E-09
5457	436831.27	3762197.25	3.09E-09	1.05E-08	1.36E-08	4.80E-10	1.72E-09	2.20E-09	2.58E-10	7.98E-10	1.06E-09
5458	436837.34	3762182.56	3.03E-09	1.03E-08	1.34E-08	4.71E-10	1.69E-09	2.16E-09	2.54E-10	7.83E-10	1.04E-09
5459	436843.41	3762167.86	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.49E-10	7.69E-10	1.02E-09
5460	436849.48	3762153.17	2.92E-09	9.97E-09	1.29E-08	4.54E-10	1.63E-09	2.08E-09	2.45E-10	7.56E-10	1.00E-09
5461	436862.88	3762135.41	2.88E-09	9.83E-09	1.27E-08	4.48E-10	1.61E-09	2.05E-09	2.41E-10	7.45E-10	9.86E-10
5462	436877.56	3762129.28	2.9E-09	9.90E-09	1.28E-08	4.51E-10	1.62E-09	2.07E-09	2.43E-10	7.50E-10	9.93E-10
5463	436892.23	3762123.15	2.92E-09	9.96E-09	1.29E-08	4.54E-10	1.63E-09	2.08E-09	2.45E-10	7.55E-10	9.99E-10
5464	436906.9	3762117.03	2.93E-09	1.00E-08	1.29E-08	4.56E-10	1.63E-09	2.09E-09	2.46E-10	7.58E-10	1.00E-09
5465	436921.57	3762110.9	2.95E-09	1.00E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.61E-10	1.01E-09
5466	436936.24	3762104.77	2.95E-09	1.01E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.62E-10	1.01E-09
5467	436950.91	3762098.65	2.95E-09	1.01E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.62E-10	1.01E-09
5468	436965.58	3762092.52	2.95E-09	1.01E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.62E-10	1.01E-09
5469	437244.35	3761976.11	2.58E-09	8.79E-09	1.14E-08	4.00E-10	1.44E-09	1.84E-09	2.16E-10	6.66E-10	8.81E-10
5470	437259.02	3761969.99	2.55E-09	8.70E-09	1.12E-08	3.96E-10	1.42E-09	1.82E-09	2.13E-10	6.59E-10	8.73E-10
5471	437273.69	3761963.86	2.53E-09	8.62E-09	1.11E-08	3.93E-10	1.41E-09	1.80E-09	2.12E-10	6.53E-10	8.65E-10
5472	437288.36	3761957.73	2.51E-09	8.55E-09	1.11E-08	3.89E-10	1.40E-09	1.79E-09	2.10E-10	6.48E-10	8.57E-10
5473	437303.03	3761951.61	2.49E-09	8.48E-09	1.10E-08	3.86E-10	1.39E-09	1.77E-09	2.08E-10	6.43E-10	8.51E-10
5474	437317.7	3761945.48	2.47E-09	8.42E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.38E-10	8.45E-10
5475	437332.37	3761939.35	2.46E-09	8.37E-09	1.08E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.35E-10	8.40E-10
5476	437347.05	3761933.23	2.44E-09	8.33E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.04E-10	6.31E-10	8.36E-10
5477	437361.72	3761927.1	2.43E-09	8.29E-09	1.07E-08	3.78E-10	1.35E-09	1.73E-09	2.03E-10	6.28E-10	8.32E-10
5478	436633.98	3762682.8	4.33E-09	1.48E-08	1.91E-08	6.73E-10	2.41E-09	3.09E-09	3.63E-10	1.12E-09	1.48E-09
5479	436633.98	3762698.72	4.37E-09	1.49E-08	1.93E-08	6.79E-10	2.43E-09	3.11E-09	3.66E-10	1.13E-09	1.49E-09
5480	436597.01	3762667.51	3.96E-09	1.35E-08	1.75E-08	6.16E-10	2.21E-09	2.82E-09	3.32E-10	1.02E-09	1.36E-09
5481	436603.07	3762652.84	3.97E-09	1.36E-08	1.75E-08	6.17E-10	2.21E-09	2.83E-09	3.33E-10	1.03E-09	1.36E-09
5482	436609.12	3762638.18	3.98E-09	1.36E-08	1.75E-08	6.18E-10	2.22E-09	2.84E-09	3.33E-10	1.03E-09	1.36E-09
5483	436615.18	3762623.51	3.98E-09	1.36E-08	1.75E-08	6.18E-10	2.22E-09	2.83E-09	3.33E-10	1.03E-09	1.36E-09
5484	436621.24	3762608.85	3.97E-09	1.35E-08	1.75E-08	6.16E-10	2.21E-09	2.83E-09	3.32E-10	1.03E-09	1.36E-09
5485	436627.3	3762594.18	3.95E-09	1.35E-08	1.74E-08	6.14E-10	2.20E-09	2.82E-09	3.31E-10	1.02E-09	1.35E-09
5486	436633.36	3762579.52	3.93E-09	1.34E-08	1.73E-08	6.11E-10	2.19E-09	2.80E-09	3.29E-10	1.02E-09	1.35E-09

5487	436639.41	3762564.85	3.91E-09	1.33E-08	1.72E-08	6.07E-10	2.18E-09	2.78E-09	3.27E-10	1.01E-09	1.34E-09
5488	436645.47	3762550.19	3.88E-09	1.32E-08	1.71E-08	6.02E-10	2.16E-09	2.76E-09	3.24E-10	1.00E-09	1.33E-09
5489	436651.53	3762535.52	3.84E-09	1.31E-08	1.70E-08	5.97E-10	2.14E-09	2.74E-09	3.22E-10	9.93E-10	1.32E-09
5490	436657.59	3762520.86	3.81E-09	1.30E-08	1.68E-08	5.91E-10	2.12E-09	2.71E-09	3.19E-10	9.84E-10	1.30E-09
5491	436663.65	3762506.19	3.77E-09	1.28E-08	1.66E-08	5.85E-10	2.10E-09	2.68E-09	3.15E-10	9.73E-10	1.29E-09
5492	436669.7	3762491.53	3.73E-09	1.27E-08	1.64E-08	5.79E-10	2.08E-09	2.66E-09	3.12E-10	9.63E-10	1.27E-09
5493	436687.88	3762447.53	3.6E-09	1.23E-08	1.59E-08	5.59E-10	2.00E-09	2.56E-09	3.01E-10	9.29E-10	1.23E-09
5494	436693.94	3762432.87	3.55E-09	1.21E-08	1.57E-08	5.52E-10	1.98E-09	2.53E-09	2.97E-10	9.18E-10	1.22E-09
5495	436699.99	3762418.2	3.51E-09	1.20E-08	1.55E-08	5.45E-10	1.96E-09	2.50E-09	2.94E-10	9.07E-10	1.20E-09
5496	436706.05	3762403.54	3.47E-09	1.18E-08	1.53E-08	5.40E-10	1.93E-09	2.47E-09	2.91E-10	8.97E-10	1.19E-09
5497	436712.11	3762388.87	3.44E-09	1.17E-08	1.52E-08	5.34E-10	1.91E-09	2.45E-09	2.88E-10	8.88E-10	1.18E-09
5498	436736.34	3762330.22	3.28E-09	1.12E-08	1.45E-08	5.10E-10	1.83E-09	2.34E-09	2.75E-10	8.49E-10	1.12E-09
5499	436742.4	3762315.55	3.25E-09	1.11E-08	1.43E-08	5.04E-10	1.81E-09	2.31E-09	2.72E-10	8.39E-10	1.11E-09
5500	436748.46	3762300.89	3.21E-09	1.09E-08	1.42E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.30E-10	1.10E-09
5501	436790.86	3762198.23	2.93E-09	9.99E-09	1.29E-08	4.55E-10	1.63E-09	2.09E-09	2.45E-10	7.57E-10	1.00E-09
5502	436796.92	3762183.57	2.89E-09	9.84E-09	1.27E-08	4.48E-10	1.61E-09	2.06E-09	2.42E-10	7.46E-10	9.87E-10
5503	436802.98	3762168.9	2.84E-09	9.68E-09	1.25E-08	4.41E-10	1.58E-09	2.02E-09	2.38E-10	7.33E-10	9.71E-10
5504	436809.04	3762154.24	2.79E-09	9.51E-09	1.23E-08	4.33E-10	1.55E-09	1.99E-09	2.33E-10	7.21E-10	9.54E-10
5505	436815.09	3762139.57	2.74E-09	9.35E-09	1.21E-08	4.26E-10	1.53E-09	1.95E-09	2.30E-10	7.09E-10	9.38E-10
5506	436821.15	3762124.91	2.7E-09	9.20E-09	1.19E-08	4.19E-10	1.50E-09	1.92E-09	2.26E-10	6.97E-10	9.23E-10
5507	436834.53	3762107.18	2.66E-09	9.07E-09	1.17E-08	4.13E-10	1.48E-09	1.90E-09	2.23E-10	6.88E-10	9.10E-10
5508	436849.17	3762101.07	2.68E-09	9.13E-09	1.18E-08	4.16E-10	1.49E-09	1.91E-09	2.24E-10	6.92E-10	9.16E-10
5509	437142	3761978.79	2.52E-09	8.60E-09	1.11E-08	3.92E-10	1.41E-09	1.80E-09	2.11E-10	6.52E-10	8.63E-10
5510	437156.64	3761972.67	2.5E-09	8.52E-09	1.10E-08	3.88E-10	1.39E-09	1.78E-09	2.09E-10	6.46E-10	8.55E-10
5511	437171.28	3761966.56	2.48E-09	8.44E-09	1.09E-08	3.85E-10	1.38E-09	1.76E-09	2.07E-10	6.40E-10	8.47E-10
5512	437185.93	3761960.44	2.45E-09	8.36E-09	1.08E-08	3.81E-10	1.37E-09	1.75E-09	2.05E-10	6.33E-10	8.39E-10
5513	437200.57	3761954.33	2.43E-09	8.28E-09	1.07E-08	3.77E-10	1.35E-09	1.73E-09	2.03E-10	6.28E-10	8.31E-10
5514	437215.21	3761948.22	2.41E-09	8.20E-09	1.06E-08	3.74E-10	1.34E-09	1.71E-09	2.01E-10	6.22E-10	8.23E-10
5515	437229.85	3761942.1	2.38E-09	8.12E-09	1.05E-08	3.70E-10	1.33E-09	1.70E-09	1.99E-10	6.16E-10	8.15E-10
5516	437244.49	3761935.99	2.36E-09	8.05E-09	1.04E-08	3.67E-10	1.31E-09	1.68E-09	1.98E-10	6.10E-10	8.08E-10
5517	437259.13	3761929.87	2.34E-09	7.98E-09	1.03E-08	3.64E-10	1.30E-09	1.67E-09	1.96E-10	6.05E-10	8.01E-10
5518	437273.78	3761923.76	2.32E-09	7.92E-09	1.02E-08	3.61E-10	1.29E-09	1.65E-09	1.94E-10	6.00E-10	7.94E-10
5519	437288.42	3761917.65	2.31E-09	7.86E-09	1.02E-08	3.58E-10	1.28E-09	1.64E-09	1.93E-10	5.96E-10	7.89E-10
5520	437303.06	3761911.53	2.29E-09	7.81E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.92E-10	7.83E-10
5521	437317.7	3761905.42	2.28E-09	7.77E-09	1.00E-08	3.54E-10	1.27E-09	1.62E-09	1.91E-10	5.89E-10	7.79E-10
5522	437332.34	3761899.3	2.27E-09	7.73E-09	9.99E-09	3.52E-10	1.26E-09	1.61E-09	1.90E-10	5.85E-10	7.75E-10
5523	437346.98	3761893.19	2.26E-09	7.69E-09	9.95E-09	3.50E-10	1.26E-09	1.61E-09	1.89E-10	5.83E-10	7.72E-10
5524	436593.98	3762682.8	3.97E-09	1.35E-08	1.75E-08	6.17E-10	2.21E-09	2.83E-09	3.32E-10	1.03E-09	1.36E-09
5525	436593.98	3762698.72	4E-09	1.36E-08	1.76E-08	6.21E-10	2.23E-09	2.85E-09	3.34E-10	1.03E-09	1.37E-09
5526	436575.14	3762623.61	3.67E-09	1.25E-08	1.62E-08	5.70E-10	2.04E-09	2.61E-09	3.07E-10	9.48E-10	1.26E-09
5527	436581.19	3762608.97	3.66E-09	1.25E-08	1.62E-08	5.69E-10	2.04E-09	2.61E-09	3.07E-10	9.46E-10	1.25E-09
5528	436587.24	3762594.33	3.65E-09	1.24E-08	1.61E-08	5.67E-10	2.03E-09	2.60E-09	3.06E-10	9.43E-10	1.25E-09
5529	436593.28	3762579.69	3.63E-09	1.24E-08	1.60E-08	5.65E-10	2.02E-09	2.59E-09	3.04E-10	9.39E-10	1.24E-09
5530	436599.33	3762565.06	3.61E-09	1.23E-08	1.59E-08	5.61E-10	2.01E-09	2.57E-09	3.02E-10	9.33E-10	1.24E-09
5531	436605.38	3762550.42	3.59E-09	1.22E-08	1.58E-08	5.57E-10	2.00E-09	2.56E-09	3.00E-10	9.27E-10	1.23E-09
5532	436611.42	3762535.78	3.56E-09	1.21E-08	1.57E-08	5.53E-10	1.98E-09	2.54E-09	2.98E-10	9.20E-10	1.22E-09
5533	436617.47	3762521.14	3.53E-09	1.20E-08	1.56E-08	5.48E-10	1.97E-09	2.51E-09	2.95E-10	9.12E-10	1.21E-09
5534	436623.52	3762506.51	3.5E-09	1.19E-08	1.54E-08	5.43E-10	1.95E-09	2.49E-09	2.93E-10	9.04E-10	1.20E-09
5535	436629.56	3762491.87	3.46E-09	1.18E-08	1.53E-08	5.38E-10	1.93E-09	2.47E-09	2.90E-10	8.95E-10	1.18E-09
5536	436647.7	3762447.96	3.35E-09	1.14E-08	1.48E-08	5.20E-10	1.87E-09	2.39E-09	2.80E-10	8.66E-10	1.15E-09
5537	436653.75	3762433.32	3.31E-09	1.13E-08	1.46E-08	5.14E-10	1.84E-09	2.36E-09	2.77E-10	8.55E-10	1.13E-09
5538	436659.8	3762418.68	3.27E-09	1.12E-08	1.44E-08	5.08E-10	1.82E-09	2.33E-09	2.74E-10	8.46E-10	1.12E-09
5539	436665.84	3762404.04	3.24E-09	1.10E-08	1.43E-08	5.03E-10	1.80E-09	2.31E-09	2.71E-10	8.37E-10	1.11E-09
5540	436671.89	3762389.4	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.28E-09	2.68E-10	8.28E-10	1.10E-09
5541	436690.03	3762345.49	3.11E-09	1.06E-08	1.37E-08	4.83E-10	1.73E-09	2.21E-09	2.60E-10	8.03E-10	1.06E-09
5542	436696.08	3762330.85	3.07E-09	1.05E-08	1.36E-08	4.78E-10	1.71E-09	2.19E-09	2.57E-10	7.94E-10	1.05E-09
5543	436702.12	3762316.22	3.04E-09	1.04E-08	1.34E-08	4.72E-10	1.69E-09	2.17E-09	2.54E-10	7.85E-10	1.04E-09
5544	436708.17	3762301.58	3E-09	1.02E-08	1.32E-08	4.67E-10	1.67E-09	2.14E-09	2.51E-10	7.76E-10	1.03E-09
5545	436714.22	3762286.94	2.97E-09	1.01E-08	1.31E-08	4.62E-10	1.65E-09	2.12E-09	2.49E-10	7.68E-10	1.02E-09
5546	436720.26	3762272.3	2.94E-09	1.00E-08	1.30E-08	4.56E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.01E-09
5547	436726.31	3762257.66	2.9E-09	9.90E-09	1.28E-08	4.51E-10	1.62E-09	2.07E-09	2.43E-10	7.50E-10	9.93E-10

5548	436732.36	3762243.03	2.87E-09	9.78E-09	1.26E-08	4.46E-10	1.60E-09	2.04E-09	2.40E-10	7.41E-10	9.81E-10
5549	436738.4	3762228.39	2.84E-09	9.67E-09	1.25E-08	4.41E-10	1.58E-09	2.02E-09	2.37E-10	7.33E-10	9.70E-10
5550	436744.45	3762213.75	2.8E-09	9.56E-09	1.24E-08	4.36E-10	1.56E-09	2.00E-09	2.35E-10	7.24E-10	9.59E-10
5551	437054.62	3761975.21	2.44E-09	8.31E-09	1.07E-08	3.78E-10	1.36E-09	1.74E-09	2.04E-10	6.29E-10	8.33E-10
5552	437069.24	3761969.11	2.42E-09	8.25E-09	1.07E-08	3.76E-10	1.35E-09	1.72E-09	2.03E-10	6.26E-10	8.28E-10
5553	437083.85	3761963.01	2.4E-09	8.19E-09	1.06E-08	3.73E-10	1.34E-09	1.71E-09	2.01E-10	6.21E-10	8.22E-10
5554	437098.47	3761956.9	2.38E-09	8.12E-09	1.05E-08	3.70E-10	1.33E-09	1.70E-09	1.99E-10	6.15E-10	8.14E-10
5555	437113.08	3761950.8	2.36E-09	8.04E-09	1.04E-08	3.67E-10	1.31E-09	1.68E-09	1.97E-10	6.10E-10	8.07E-10
5556	437127.69	3761944.7	2.34E-09	7.97E-09	1.03E-08	3.63E-10	1.30E-09	1.66E-09	1.96E-10	6.04E-10	7.99E-10
5557	437142.31	3761938.59	2.32E-09	7.89E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.92E-10
5558	437156.92	3761932.49	2.29E-09	7.82E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.93E-10	7.85E-10
5559	437171.54	3761926.39	2.27E-09	7.75E-09	1.00E-08	3.53E-10	1.27E-09	1.62E-09	1.90E-10	5.87E-10	7.78E-10
5560	437186.15	3761920.29	2.25E-09	7.68E-09	9.93E-09	3.50E-10	1.25E-09	1.60E-09	1.88E-10	5.82E-10	7.70E-10
5561	437200.77	3761914.18	2.23E-09	7.61E-09	9.84E-09	3.47E-10	1.24E-09	1.59E-09	1.87E-10	5.76E-10	7.63E-10
5562	437215.38	3761908.08	2.21E-09	7.54E-09	9.75E-09	3.44E-10	1.23E-09	1.58E-09	1.85E-10	5.71E-10	7.56E-10
5563	437230	3761901.98	2.19E-09	7.48E-09	9.67E-09	3.41E-10	1.22E-09	1.56E-09	1.84E-10	5.66E-10	7.50E-10
5564	437244.61	3761895.87	2.17E-09	7.41E-09	9.59E-09	3.38E-10	1.21E-09	1.55E-09	1.82E-10	5.62E-10	7.44E-10
5565	437259.22	3761889.77	2.16E-09	7.36E-09	9.52E-09	3.35E-10	1.20E-09	1.54E-09	1.81E-10	5.58E-10	7.38E-10
5566	436517	3762667.53	3.37E-09	1.15E-08	1.49E-08	5.24E-10	1.88E-09	2.40E-09	2.82E-10	8.72E-10	1.15E-09
5567	436523.03	3762652.92	3.39E-09	1.16E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.84E-10	8.75E-10	1.16E-09
5568	436529.07	3762638.31	3.4E-09	1.16E-08	1.50E-08	5.28E-10	1.89E-09	2.42E-09	2.84E-10	8.78E-10	1.16E-09
5569	436535.11	3762623.69	3.4E-09	1.16E-08	1.50E-08	5.28E-10	1.89E-09	2.42E-09	2.85E-10	8.78E-10	1.16E-09
5570	436541.14	3762609.08	3.4E-09	1.16E-08	1.50E-08	5.28E-10	1.89E-09	2.42E-09	2.84E-10	8.78E-10	1.16E-09
5571	436547.18	3762594.47	3.39E-09	1.16E-08	1.49E-08	5.27E-10	1.89E-09	2.41E-09	2.84E-10	8.76E-10	1.16E-09
5572	436577.36	3762521.4	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.34E-09	2.75E-10	8.50E-10	1.12E-09
5573	436583.4	3762506.79	3.26E-09	1.11E-08	1.44E-08	5.06E-10	1.82E-09	2.32E-09	2.73E-10	8.42E-10	1.12E-09
5574	436589.44	3762492.18	3.23E-09	1.10E-08	1.42E-08	5.02E-10	1.80E-09	2.30E-09	2.70E-10	8.34E-10	1.10E-09
5575	436595.47	3762477.56	3.2E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.26E-10	1.09E-09
5576	436607.55	3762448.34	3.13E-09	1.07E-08	1.38E-08	4.87E-10	1.74E-09	2.23E-09	2.62E-10	8.09E-10	1.07E-09
5577	436613.58	3762433.72	3.1E-09	1.06E-08	1.37E-08	4.81E-10	1.73E-09	2.21E-09	2.59E-10	8.01E-10	1.06E-09
5578	436619.62	3762419.11	3.07E-09	1.05E-08	1.35E-08	4.76E-10	1.71E-09	2.18E-09	2.57E-10	7.92E-10	1.05E-09
5579	436625.66	3762404.5	3.03E-09	1.03E-08	1.34E-08	4.71E-10	1.69E-09	2.16E-09	2.54E-10	7.84E-10	1.04E-09
5580	436631.69	3762389.88	3E-09	1.02E-08	1.32E-08	4.66E-10	1.67E-09	2.14E-09	2.51E-10	7.75E-10	1.03E-09
5581	436649.8	3762346.04	2.91E-09	9.91E-09	1.28E-08	4.52E-10	1.62E-09	2.07E-09	2.43E-10	7.51E-10	9.95E-10
5582	436655.84	3762331.43	2.88E-09	9.81E-09	1.27E-08	4.47E-10	1.60E-09	2.05E-09	2.41E-10	7.43E-10	9.84E-10
5583	436661.87	3762316.82	2.85E-09	9.71E-09	1.26E-08	4.43E-10	1.59E-09	2.03E-09	2.38E-10	7.36E-10	9.74E-10
5584	436667.91	3762302.21	2.82E-09	9.61E-09	1.24E-08	4.38E-10	1.57E-09	2.01E-09	2.36E-10	7.28E-10	9.64E-10
5585	436673.95	3762287.59	2.79E-09	9.52E-09	1.23E-08	4.34E-10	1.55E-09	1.99E-09	2.34E-10	7.21E-10	9.55E-10
5586	436679.98	3762272.98	2.76E-09	9.42E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.14E-10	9.45E-10
5587	436686.02	3762258.37	2.73E-09	9.31E-09	1.20E-08	4.24E-10	1.52E-09	1.95E-09	2.29E-10	7.06E-10	9.34E-10
5588	436692.06	3762243.75	2.7E-09	9.20E-09	1.19E-08	4.19E-10	1.50E-09	1.92E-09	2.26E-10	6.97E-10	9.23E-10
5589	436698.09	3762229.14	2.67E-09	9.10E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.23E-10	6.89E-10	9.13E-10
5590	436704.13	3762214.53	2.64E-09	9.00E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.82E-10	9.03E-10
5591	436710.17	3762199.91	2.61E-09	8.90E-09	1.15E-08	4.06E-10	1.45E-09	1.86E-09	2.19E-10	6.75E-10	8.93E-10
5592	436952.91	3761977.62	2.33E-09	7.94E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.02E-10	7.97E-10
5593	436967.5	3761971.53	2.32E-09	7.90E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.92E-10
5594	436982.08	3761965.44	2.31E-09	7.86E-09	1.02E-08	3.58E-10	1.28E-09	1.64E-09	1.93E-10	5.96E-10	7.89E-10
5595	436996.67	3761959.35	2.3E-09	7.84E-09	1.01E-08	3.57E-10	1.28E-09	1.64E-09	1.92E-10	5.94E-10	7.86E-10
5596	437011.26	3761953.25	2.29E-09	7.81E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.92E-10	7.83E-10
5597	437025.85	3761947.16	2.28E-09	7.77E-09	1.01E-08	3.54E-10	1.27E-09	1.62E-09	1.91E-10	5.89E-10	7.80E-10
5598	437040.44	3761941.07	2.27E-09	7.73E-09	1.00E-08	3.52E-10	1.26E-09	1.61E-09	1.90E-10	5.86E-10	7.75E-10
5599	437055.03	3761934.98	2.25E-09	7.67E-09	9.92E-09	3.50E-10	1.25E-09	1.60E-09	1.88E-10	5.81E-10	7.70E-10
5600	437069.62	3761928.88	2.23E-09	7.61E-09	9.84E-09	3.47E-10	1.24E-09	1.59E-09	1.87E-10	5.77E-10	7.63E-10
5601	437084.21	3761922.79	2.21E-09	7.54E-09	9.75E-09	3.44E-10	1.23E-09	1.58E-09	1.85E-10	5.72E-10	7.57E-10
5602	437098.8	3761916.7	2.19E-09	7.48E-09	9.67E-09	3.41E-10	1.22E-09	1.56E-09	1.84E-10	5.66E-10	7.50E-10
5603	437113.39	3761910.61	2.17E-09	7.41E-09	9.59E-09	3.38E-10	1.21E-09	1.55E-09	1.82E-10	5.62E-10	7.44E-10
5604	437127.98	3761904.51	2.15E-09	7.35E-09	9.50E-09	3.35E-10	1.20E-09	1.54E-09	1.80E-10	5.57E-10	7.37E-10
5605	437142.57	3761898.42	2.14E-09	7.28E-09	9.42E-09	3.32E-10	1.19E-09	1.52E-09	1.79E-10	5.52E-10	7.31E-10
5606	437157.16	3761892.33	2.12E-09	7.22E-09	9.33E-09	3.29E-10	1.18E-09	1.51E-09	1.77E-10	5.47E-10	7.24E-10
5607	436513.98	3762682.8	3.37E-09	1.15E-08	1.49E-08	5.24E-10	1.88E-09	2.40E-09	2.82E-10	8.72E-10	1.15E-09
5608	436513.98	3762698.72	3.39E-09	1.16E-08	1.50E-08	5.27E-10	1.89E-09	2.42E-09	2.84E-10	8.76E-10	1.16E-09

5609	436476.99	3762667.54	3.13E-09	1.07E-08	1.38E-08	4.86E-10	1.74E-09	2.23E-09	2.62E-10	8.09E-10	1.07E-09
5610	436483.02	3762652.95	3.14E-09	1.07E-08	1.39E-08	4.88E-10	1.75E-09	2.24E-09	2.63E-10	8.12E-10	1.08E-09
5611	436489.05	3762638.36	3.15E-09	1.08E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.15E-10	1.08E-09
5612	436495.08	3762623.77	3.16E-09	1.08E-08	1.39E-08	4.91E-10	1.76E-09	2.25E-09	2.64E-10	8.16E-10	1.08E-09
5613	436501.1	3762609.18	3.16E-09	1.08E-08	1.39E-08	4.91E-10	1.76E-09	2.25E-09	2.64E-10	8.16E-10	1.08E-09
5614	436507.13	3762594.59	3.15E-09	1.08E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.15E-10	1.08E-09
5615	436513.16	3762580	3.15E-09	1.07E-08	1.39E-08	4.89E-10	1.75E-09	2.24E-09	2.63E-10	8.13E-10	1.08E-09
5616	436519.18	3762565.41	3.13E-09	1.07E-08	1.38E-08	4.87E-10	1.75E-09	2.23E-09	2.62E-10	8.10E-10	1.07E-09
5617	436525.21	3762550.82	3.12E-09	1.06E-08	1.37E-08	4.84E-10	1.74E-09	2.22E-09	2.61E-10	8.06E-10	1.07E-09
5618	436531.24	3762536.23	3.1E-09	1.06E-08	1.37E-08	4.81E-10	1.73E-09	2.21E-09	2.59E-10	8.01E-10	1.06E-09
5619	436537.27	3762521.64	3.07E-09	1.05E-08	1.36E-08	4.78E-10	1.71E-09	2.19E-09	2.57E-10	7.95E-10	1.05E-09
5620	436543.29	3762507.05	3.05E-09	1.04E-08	1.34E-08	4.74E-10	1.70E-09	2.17E-09	2.55E-10	7.88E-10	1.04E-09
5621	436549.32	3762492.46	3.02E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.53E-10	7.80E-10	1.03E-09
5622	436579.46	3762419.5	2.87E-09	9.78E-09	1.27E-08	4.46E-10	1.60E-09	2.04E-09	2.40E-10	7.41E-10	9.82E-10
5623	436585.48	3762404.91	2.84E-09	9.69E-09	1.25E-08	4.41E-10	1.58E-09	2.02E-09	2.38E-10	7.34E-10	9.72E-10
5624	436591.51	3762390.32	2.81E-09	9.59E-09	1.24E-08	4.37E-10	1.57E-09	2.00E-09	2.35E-10	7.27E-10	9.62E-10
5625	436603.57	3762361.14	2.76E-09	9.40E-09	1.22E-08	4.28E-10	1.54E-09	1.96E-09	2.31E-10	7.12E-10	9.43E-10
5626	436609.59	3762346.55	2.73E-09	9.30E-09	1.20E-08	4.24E-10	1.52E-09	1.94E-09	2.28E-10	7.05E-10	9.33E-10
5627	436615.62	3762331.96	2.7E-09	9.21E-09	1.19E-08	4.20E-10	1.50E-09	1.92E-09	2.26E-10	6.98E-10	9.24E-10
5628	436621.65	3762317.37	2.67E-09	9.12E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.24E-10	6.91E-10	9.15E-10
5629	436627.68	3762302.78	2.65E-09	9.02E-09	1.17E-08	4.11E-10	1.47E-09	1.89E-09	2.21E-10	6.84E-10	9.05E-10
5630	436633.7	3762288.19	2.62E-09	8.94E-09	1.16E-08	4.07E-10	1.46E-09	1.87E-09	2.19E-10	6.77E-10	8.97E-10
5631	436639.73	3762273.59	2.6E-09	8.85E-09	1.14E-08	4.03E-10	1.45E-09	1.85E-09	2.17E-10	6.71E-10	8.88E-10
5632	436645.76	3762259	2.57E-09	8.76E-09	1.13E-08	3.99E-10	1.43E-09	1.83E-09	2.15E-10	6.64E-10	8.79E-10
5633	436651.78	3762244.41	2.54E-09	8.67E-09	1.12E-08	3.95E-10	1.42E-09	1.81E-09	2.13E-10	6.57E-10	8.70E-10
5634	436657.81	3762229.82	2.52E-09	8.59E-09	1.11E-08	3.91E-10	1.40E-09	1.79E-09	2.11E-10	6.51E-10	8.62E-10
5635	436663.84	3762215.23	2.49E-09	8.50E-09	1.10E-08	3.87E-10	1.39E-09	1.78E-09	2.09E-10	6.44E-10	8.53E-10
5636	436669.87	3762200.64	2.47E-09	8.41E-09	1.09E-08	3.83E-10	1.37E-09	1.76E-09	2.07E-10	6.38E-10	8.44E-10
5637	436675.89	3762186.05	2.44E-09	8.33E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.05E-10	6.31E-10	8.36E-10
5638	436681.92	3762171.46	2.42E-09	8.24E-09	1.07E-08	3.76E-10	1.35E-09	1.72E-09	2.02E-10	6.25E-10	8.27E-10
5639	436730.14	3762054.73	2.19E-09	7.46E-09	9.65E-09	3.40E-10	1.22E-09	1.56E-09	1.83E-10	5.65E-10	7.48E-10
5640	436851.45	3761979.93	2.18E-09	7.43E-09	9.61E-09	3.39E-10	1.21E-09	1.55E-09	1.82E-10	5.63E-10	7.45E-10
5641	436866.02	3761973.84	2.18E-09	7.44E-09	9.63E-09	3.39E-10	1.22E-09	1.56E-09	1.83E-10	5.64E-10	7.47E-10
5642	436880.58	3761967.76	2.19E-09	7.45E-09	9.64E-09	3.40E-10	1.22E-09	1.56E-09	1.83E-10	5.65E-10	7.48E-10
5643	436895.15	3761961.68	2.19E-09	7.46E-09	9.64E-09	3.40E-10	1.22E-09	1.56E-09	1.83E-10	5.65E-10	7.48E-10
5644	436909.72	3761955.59	2.19E-09	7.45E-09	9.64E-09	3.40E-10	1.22E-09	1.56E-09	1.83E-10	5.65E-10	7.48E-10
5645	436924.29	3761949.51	2.18E-09	7.44E-09	9.62E-09	3.39E-10	1.22E-09	1.55E-09	1.83E-10	5.64E-10	7.46E-10
5646	436938.85	3761943.43	2.17E-09	7.41E-09	9.59E-09	3.38E-10	1.21E-09	1.55E-09	1.82E-10	5.62E-10	7.44E-10
5647	436953.42	3761937.34	2.17E-09	7.39E-09	9.55E-09	3.37E-10	1.21E-09	1.54E-09	1.81E-10	5.60E-10	7.41E-10
5648	436967.99	3761931.26	2.16E-09	7.36E-09	9.52E-09	3.35E-10	1.20E-09	1.54E-09	1.81E-10	5.58E-10	7.38E-10
5649	436982.56	3761925.18	2.15E-09	7.33E-09	9.48E-09	3.34E-10	1.20E-09	1.53E-09	1.80E-10	5.55E-10	7.35E-10
5650	436997.12	3761919.1	2.14E-09	7.29E-09	9.43E-09	3.32E-10	1.19E-09	1.52E-09	1.79E-10	5.53E-10	7.32E-10
5651	437011.69	3761913.01	2.13E-09	7.25E-09	9.37E-09	3.30E-10	1.18E-09	1.51E-09	1.78E-10	5.49E-10	7.27E-10
5652	437026.26	3761906.93	2.11E-09	7.20E-09	9.31E-09	3.28E-10	1.18E-09	1.50E-09	1.77E-10	5.46E-10	7.22E-10
5653	437040.83	3761900.85	2.1E-09	7.15E-09	9.25E-09	3.26E-10	1.17E-09	1.49E-09	1.76E-10	5.42E-10	7.17E-10
5654	437055.39	3761894.76	2.08E-09	7.09E-09	9.17E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.38E-10	7.12E-10
5655	437069.96	3761888.68	2.06E-09	7.04E-09	9.10E-09	3.21E-10	1.15E-09	1.47E-09	1.73E-10	5.33E-10	7.06E-10
5656	436473.98	3762682.8	3.13E-09	1.07E-08	1.38E-08	4.86E-10	1.74E-09	2.23E-09	2.62E-10	8.09E-10	1.07E-09
5657	436473.98	3762698.72	3.14E-09	1.07E-08	1.39E-08	4.88E-10	1.75E-09	2.24E-09	2.63E-10	8.12E-10	1.08E-09
5658	436436.99	3762667.55	2.91E-09	9.94E-09	1.29E-08	4.53E-10	1.62E-09	2.08E-09	2.44E-10	7.53E-10	9.97E-10
5659	436443.01	3762652.98	2.93E-09	9.99E-09	1.29E-08	4.55E-10	1.63E-09	2.09E-09	2.45E-10	7.57E-10	1.00E-09
5660	436449.03	3762638.41	2.94E-09	1.00E-08	1.30E-08	4.56E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.00E-09
5661	436455.05	3762623.84	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.10E-09	2.46E-10	7.61E-10	1.01E-09
5662	436461.06	3762609.27	2.95E-09	1.00E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.61E-10	1.01E-09
5663	436467.08	3762594.7	2.95E-09	1.00E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.61E-10	1.01E-09
5664	436473.1	3762580.13	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.01E-09
5665	436479.12	3762565.56	2.93E-09	9.99E-09	1.29E-08	4.55E-10	1.63E-09	2.09E-09	2.45E-10	7.57E-10	1.00E-09
5666	436485.14	3762550.99	2.92E-09	9.94E-09	1.29E-08	4.53E-10	1.62E-09	2.08E-09	2.44E-10	7.53E-10	9.98E-10
5667	436491.16	3762536.42	2.9E-09	9.89E-09	1.28E-08	4.51E-10	1.62E-09	2.07E-09	2.43E-10	7.49E-10	9.92E-10
5668	436497.18	3762521.85	2.88E-09	9.82E-09	1.27E-08	4.48E-10	1.60E-09	2.05E-09	2.41E-10	7.44E-10	9.86E-10
5669	436503.2	3762507.28	2.86E-09	9.75E-09	1.26E-08	4.44E-10	1.59E-09	2.04E-09	2.39E-10	7.39E-10	9.78E-10

5670	436509.22	3762492.71	2.83E-09	9.66E-09	1.25E-08	4.40E-10	1.58E-09	2.02E-09	2.37E-10	7.32E-10	9.69E-10
5671	436515.23	3762478.14	2.81E-09	9.57E-09	1.24E-08	4.36E-10	1.56E-09	2.00E-09	2.35E-10	7.25E-10	9.60E-10
5672	436521.25	3762463.57	2.78E-09	9.48E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.51E-10
5673	436527.27	3762449	2.75E-09	9.38E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.11E-10	9.41E-10
5674	436533.29	3762434.43	2.72E-09	9.28E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.04E-10	9.31E-10
5675	436539.31	3762419.86	2.7E-09	9.19E-09	1.19E-08	4.19E-10	1.50E-09	1.92E-09	2.26E-10	6.96E-10	9.22E-10
5676	436545.33	3762405.29	2.67E-09	9.10E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.23E-10	6.89E-10	9.13E-10
5677	436569.4	3762347.01	2.57E-09	8.75E-09	1.13E-08	3.99E-10	1.43E-09	1.83E-09	2.15E-10	6.63E-10	8.78E-10
5678	436575.42	3762332.44	2.54E-09	8.66E-09	1.12E-08	3.95E-10	1.42E-09	1.81E-09	2.13E-10	6.56E-10	8.69E-10
5679	436581.44	3762317.87	2.52E-09	8.58E-09	1.11E-08	3.91E-10	1.40E-09	1.79E-09	2.11E-10	6.50E-10	8.61E-10
5680	436587.46	3762303.3	2.49E-09	8.50E-09	1.10E-08	3.87E-10	1.39E-09	1.78E-09	2.09E-10	6.44E-10	8.52E-10
5681	436593.48	3762288.73	2.47E-09	8.42E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.38E-10	8.45E-10
5682	436599.5	3762274.16	2.45E-09	8.35E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.05E-10	6.33E-10	8.38E-10
5683	436605.52	3762259.59	2.43E-09	8.27E-09	1.07E-08	3.77E-10	1.35E-09	1.73E-09	2.03E-10	6.27E-10	8.30E-10
5684	436611.54	3762245.02	2.41E-09	8.20E-09	1.06E-08	3.74E-10	1.34E-09	1.71E-09	2.01E-10	6.21E-10	8.23E-10
5685	436617.55	3762230.45	2.38E-09	8.13E-09	1.05E-08	3.70E-10	1.33E-09	1.70E-09	1.99E-10	6.16E-10	8.15E-10
5686	436623.57	3762215.88	2.36E-09	8.06E-09	1.04E-08	3.67E-10	1.32E-09	1.68E-09	1.98E-10	6.11E-10	8.08E-10
5687	436629.59	3762201.31	2.34E-09	7.98E-09	1.03E-08	3.64E-10	1.30E-09	1.67E-09	1.96E-10	6.05E-10	8.01E-10
5688	436635.61	3762186.74	2.32E-09	7.90E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.99E-10	7.93E-10
5689	436641.63	3762172.17	2.29E-09	7.82E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.93E-10	7.85E-10
5690	436647.65	3762157.6	2.27E-09	7.74E-09	1.00E-08	3.53E-10	1.26E-09	1.62E-09	1.90E-10	5.87E-10	7.77E-10
5691	436653.67	3762143.03	2.25E-09	7.67E-09	9.91E-09	3.49E-10	1.25E-09	1.60E-09	1.88E-10	5.81E-10	7.69E-10
5692	436659.69	3762128.45	2.22E-09	7.59E-09	9.81E-09	3.46E-10	1.24E-09	1.58E-09	1.86E-10	5.75E-10	7.61E-10
5693	436808.41	3761957.84	2.04E-09	6.95E-09	8.98E-09	3.17E-10	1.13E-09	1.45E-09	1.71E-10	5.26E-10	6.97E-10
5694	436822.96	3761951.76	2.04E-09	6.96E-09	9.00E-09	3.17E-10	1.14E-09	1.45E-09	1.71E-10	5.27E-10	6.98E-10
5695	436837.51	3761945.69	2.04E-09	6.97E-09	9.01E-09	3.18E-10	1.14E-09	1.46E-09	1.71E-10	5.28E-10	6.99E-10
5696	436852.05	3761939.61	2.05E-09	6.98E-09	9.03E-09	3.18E-10	1.14E-09	1.46E-09	1.71E-10	5.29E-10	7.00E-10
5697	436866.6	3761933.54	2.05E-09	6.98E-09	9.03E-09	3.18E-10	1.14E-09	1.46E-09	1.71E-10	5.29E-10	7.00E-10
5698	436881.15	3761927.46	2.05E-09	6.98E-09	9.02E-09	3.18E-10	1.14E-09	1.46E-09	1.71E-10	5.29E-10	7.00E-10
5699	436895.69	3761921.39	2.04E-09	6.97E-09	9.02E-09	3.18E-10	1.14E-09	1.46E-09	1.71E-10	5.28E-10	6.99E-10
5700	436910.24	3761915.31	2.04E-09	6.96E-09	9.00E-09	3.17E-10	1.14E-09	1.45E-09	1.71E-10	5.27E-10	6.98E-10
5701	436924.79	3761909.24	2.04E-09	6.94E-09	8.98E-09	3.16E-10	1.13E-09	1.45E-09	1.70E-10	5.26E-10	6.97E-10
5702	436939.33	3761903.16	2.03E-09	6.92E-09	8.95E-09	3.15E-10	1.13E-09	1.45E-09	1.70E-10	5.24E-10	6.94E-10
5703	436953.88	3761897.09	2.02E-09	6.89E-09	8.91E-09	3.14E-10	1.13E-09	1.44E-09	1.69E-10	5.22E-10	6.91E-10
5704	436968.43	3761891.01	2.01E-09	6.85E-09	8.86E-09	3.12E-10	1.12E-09	1.43E-09	1.68E-10	5.19E-10	6.87E-10
5705	436982.98	3761884.94	2E-09	6.81E-09	8.81E-09	3.10E-10	1.11E-09	1.42E-09	1.67E-10	5.16E-10	6.83E-10
5706	436433.98	3762682.8	2.91E-09	9.93E-09	1.28E-08	4.53E-10	1.62E-09	2.08E-09	2.44E-10	7.53E-10	9.96E-10
5707	436433.98	3762698.72	2.92E-09	9.97E-09	1.29E-08	4.54E-10	1.63E-09	2.08E-09	2.45E-10	7.55E-10	1.00E-09
5708	436397.02	3762667.49	2.72E-09	9.28E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.03E-10	9.31E-10
5709	436403.09	3762652.79	2.74E-09	9.33E-09	1.21E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.07E-10	9.36E-10
5710	436409.16	3762638.08	2.75E-09	9.36E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.09E-10	9.39E-10
5711	436415.24	3762623.38	2.75E-09	9.39E-09	1.21E-08	4.28E-10	1.53E-09	1.96E-09	2.30E-10	7.11E-10	9.42E-10
5712	436421.31	3762608.68	2.76E-09	9.40E-09	1.22E-08	4.28E-10	1.54E-09	1.96E-09	2.31E-10	7.12E-10	9.43E-10
5713	436427.39	3762593.97	2.76E-09	9.40E-09	1.22E-08	4.28E-10	1.54E-09	1.96E-09	2.31E-10	7.12E-10	9.43E-10
5714	436433.46	3762579.27	2.75E-09	9.38E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.11E-10	9.41E-10
5715	436439.53	3762564.57	2.74E-09	9.35E-09	1.21E-08	4.26E-10	1.53E-09	1.95E-09	2.30E-10	7.09E-10	9.38E-10
5716	436445.61	3762549.86	2.73E-09	9.32E-09	1.21E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.06E-10	9.35E-10
5717	436451.68	3762535.16	2.72E-09	9.27E-09	1.20E-08	4.22E-10	1.51E-09	1.94E-09	2.28E-10	7.03E-10	9.30E-10
5718	436457.75	3762520.46	2.7E-09	9.22E-09	1.19E-08	4.20E-10	1.51E-09	1.93E-09	2.26E-10	6.98E-10	9.24E-10
5719	436463.83	3762505.75	2.68E-09	9.15E-09	1.18E-08	4.17E-10	1.49E-09	1.91E-09	2.25E-10	6.93E-10	9.18E-10
5720	436469.9	3762491.05	2.66E-09	9.08E-09	1.17E-08	4.14E-10	1.48E-09	1.90E-09	2.23E-10	6.88E-10	9.11E-10
5721	436475.97	3762476.35	2.64E-09	9.01E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.83E-10	9.04E-10
5722	436482.05	3762461.65	2.62E-09	8.92E-09	1.15E-08	4.06E-10	1.46E-09	1.86E-09	2.19E-10	6.76E-10	8.95E-10
5723	436488.12	3762446.94	2.59E-09	8.83E-09	1.14E-08	4.02E-10	1.44E-09	1.84E-09	2.17E-10	6.69E-10	8.86E-10
5724	436494.2	3762432.24	2.56E-09	8.74E-09	1.13E-08	3.98E-10	1.43E-09	1.83E-09	2.14E-10	6.62E-10	8.77E-10
5725	436500.27	3762417.54	2.54E-09	8.64E-09	1.12E-08	3.94E-10	1.41E-09	1.81E-09	2.12E-10	6.55E-10	8.67E-10
5726	436506.34	3762402.83	2.51E-09	8.56E-09	1.11E-08	3.90E-10	1.40E-09	1.79E-09	2.10E-10	6.49E-10	8.59E-10
5727	436512.42	3762388.13	2.49E-09	8.48E-09	1.10E-08	3.86E-10	1.39E-09	1.77E-09	2.08E-10	6.42E-10	8.51E-10
5728	436518.49	3762373.43	2.46E-09	8.40E-09	1.09E-08	3.83E-10	1.37E-09	1.75E-09	2.06E-10	6.36E-10	8.42E-10
5729	436530.64	3762344.02	2.41E-09	8.23E-09	1.06E-08	3.75E-10	1.34E-09	1.72E-09	2.02E-10	6.24E-10	8.26E-10
5730	436536.71	3762329.32	2.39E-09	8.15E-09	1.05E-08	3.72E-10	1.33E-09	1.70E-09	2.00E-10	6.18E-10	8.18E-10

5731	436542.79	3762314.61	2.37E-09	8.08E-09	1.05E-08	3.68E-10	1.32E-09	1.69E-09	1.98E-10	6.12E-10	8.11E-10
5732	436548.86	3762299.91	2.35E-09	8.01E-09	1.04E-08	3.65E-10	1.31E-09	1.67E-09	1.97E-10	6.07E-10	8.04E-10
5733	436554.93	3762285.21	2.33E-09	7.94E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.02E-10	7.97E-10
5734	436561.01	3762270.51	2.31E-09	7.88E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.93E-10	5.97E-10	7.90E-10
5735	436567.08	3762255.8	2.29E-09	7.81E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.92E-10	7.84E-10
5736	436573.15	3762241.1	2.27E-09	7.75E-09	1.00E-08	3.53E-10	1.27E-09	1.62E-09	1.90E-10	5.88E-10	7.78E-10
5737	436579.23	3762226.4	2.25E-09	7.69E-09	9.94E-09	3.50E-10	1.26E-09	1.61E-09	1.89E-10	5.83E-10	7.71E-10
5738	436585.3	3762211.69	2.24E-09	7.63E-09	9.86E-09	3.47E-10	1.25E-09	1.59E-09	1.87E-10	5.78E-10	7.65E-10
5739	436591.37	3762196.99	2.22E-09	7.56E-09	9.77E-09	3.44E-10	1.23E-09	1.58E-09	1.85E-10	5.73E-10	7.58E-10
5740	436597.45	3762182.29	2.19E-09	7.48E-09	9.68E-09	3.41E-10	1.22E-09	1.56E-09	1.84E-10	5.67E-10	7.51E-10
5741	436603.52	3762167.58	2.17E-09	7.41E-09	9.58E-09	3.37E-10	1.21E-09	1.55E-09	1.82E-10	5.61E-10	7.43E-10
5742	436609.6	3762152.88	2.15E-09	7.33E-09	9.48E-09	3.34E-10	1.20E-09	1.53E-09	1.80E-10	5.55E-10	7.35E-10
5743	436615.67	3762138.18	2.13E-09	7.26E-09	9.39E-09	3.31E-10	1.19E-09	1.52E-09	1.78E-10	5.50E-10	7.29E-10
5744	436621.74	3762123.47	2.11E-09	7.19E-09	9.30E-09	3.28E-10	1.18E-09	1.50E-09	1.77E-10	5.45E-10	7.22E-10
5745	436676.41	3761991.15	1.91E-09	6.51E-09	8.42E-09	2.97E-10	1.06E-09	1.36E-09	1.60E-10	4.93E-10	6.53E-10
5746	436682.48	3761976.44	1.88E-09	6.41E-09	8.29E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.86E-10	6.43E-10
5747	436692.86	3761966.03	1.87E-09	6.38E-09	8.25E-09	2.91E-10	1.04E-09	1.33E-09	1.57E-10	4.83E-10	6.40E-10
5748	436707.54	3761959.9	1.88E-09	6.41E-09	8.29E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.86E-10	6.43E-10
5749	436722.22	3761953.77	1.89E-09	6.44E-09	8.32E-09	2.93E-10	1.05E-09	1.34E-09	1.58E-10	4.88E-10	6.46E-10
5750	436795.61	3761923.12	1.91E-09	6.53E-09	8.44E-09	2.97E-10	1.07E-09	1.36E-09	1.60E-10	4.95E-10	6.55E-10
5751	436810.29	3761916.99	1.92E-09	6.54E-09	8.46E-09	2.98E-10	1.07E-09	1.37E-09	1.61E-10	4.96E-10	6.56E-10
5752	436824.97	3761910.86	1.92E-09	6.55E-09	8.47E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.97E-10	6.57E-10
5753	436839.65	3761904.73	1.92E-09	6.56E-09	8.48E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.97E-10	6.58E-10
5754	436854.33	3761898.6	1.92E-09	6.55E-09	8.47E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.97E-10	6.57E-10
5755	436869.01	3761892.47	1.92E-09	6.55E-09	8.47E-09	2.98E-10	1.07E-09	1.37E-09	1.61E-10	4.96E-10	6.57E-10
5756	436883.69	3761886.34	1.92E-09	6.54E-09	8.45E-09	2.98E-10	1.07E-09	1.37E-09	1.60E-10	4.95E-10	6.56E-10
5757	436898.37	3761880.21	1.91E-09	6.53E-09	8.44E-09	2.97E-10	1.07E-09	1.36E-09	1.60E-10	4.95E-10	6.55E-10
5758	436913.05	3761874.08	1.91E-09	6.52E-09	8.43E-09	2.97E-10	1.06E-09	1.36E-09	1.60E-10	4.94E-10	6.54E-10
5759	436927.73	3761867.95	1.9E-09	6.49E-09	8.40E-09	2.96E-10	1.06E-09	1.36E-09	1.59E-10	4.92E-10	6.51E-10
5760	436942.41	3761861.82	1.9E-09	6.46E-09	8.36E-09	2.94E-10	1.06E-09	1.35E-09	1.59E-10	4.90E-10	6.48E-10
5761	436393.98	3762682.8	2.72E-09	9.27E-09	1.20E-08	4.22E-10	1.51E-09	1.94E-09	2.28E-10	7.02E-10	9.30E-10
5762	436393.98	3762698.72	2.73E-09	9.30E-09	1.20E-08	4.24E-10	1.52E-09	1.94E-09	2.28E-10	7.04E-10	9.33E-10
5763	437371.09	3762658.86	1.21E-07	4.14E-07	5.35E-07	1.89E-08	6.76E-08	8.64E-08	1.02E-08	3.13E-08	4.15E-08
5764	437363.04	3762578.91	4.5E-08	1.54E-07	1.99E-07	7.00E-09	2.51E-08	3.21E-08	3.77E-09	1.16E-08	1.54E-08
5765	437362.92	3762558.91	3.74E-08	1.28E-07	1.65E-07	5.82E-09	2.09E-08	2.67E-08	3.13E-09	9.67E-09	1.28E-08
5766	437362.79	3762538.91	3.15E-08	1.08E-07	1.39E-07	4.90E-09	1.76E-08	2.25E-08	2.64E-09	8.15E-09	1.08E-08
5767	437385.3	3762518.77	2.81E-08	9.58E-08	1.24E-07	4.37E-09	1.57E-08	2.00E-08	2.35E-09	7.26E-09	9.61E-09
5768	437362.67	3762518.91	2.68E-08	9.15E-08	1.18E-07	4.17E-09	1.49E-08	1.91E-08	2.25E-09	6.93E-09	9.18E-09
5769	437385.18	3762498.77	2.4E-08	8.20E-08	1.06E-07	3.74E-09	1.34E-08	1.71E-08	2.01E-09	6.21E-09	8.22E-09
5770	437362.54	3762498.91	2.31E-08	7.87E-08	1.02E-07	3.59E-09	1.29E-08	1.64E-08	1.93E-09	5.96E-09	7.90E-09
5771	437385.05	3762478.77	2.08E-08	7.08E-08	9.16E-08	3.23E-09	1.16E-08	1.48E-08	1.74E-09	5.37E-09	7.11E-09
5772	437362.42	3762478.91	2E-08	6.83E-08	8.84E-08	3.11E-09	1.12E-08	1.43E-08	1.68E-09	5.18E-09	6.85E-09
5773	437384.92	3762458.77	1.81E-08	6.17E-08	7.98E-08	2.81E-09	1.01E-08	1.29E-08	1.52E-09	4.68E-09	6.19E-09
5774	437362.29	3762458.91	1.75E-08	5.97E-08	7.73E-08	2.72E-09	9.76E-09	1.25E-08	1.47E-09	4.53E-09	5.99E-09
5775	437384.8	3762438.77	1.59E-08	5.42E-08	7.01E-08	2.47E-09	8.86E-09	1.13E-08	1.33E-09	4.11E-09	5.44E-09
5776	437362.16	3762438.92	1.54E-08	5.27E-08	6.81E-08	2.40E-09	8.60E-09	1.10E-08	1.29E-09	3.99E-09	5.28E-09
5777	437369.58	3762418.87	1.38E-08	4.71E-08	6.09E-08	2.15E-09	7.70E-09	9.85E-09	1.16E-09	3.57E-09	4.73E-09
5778	437369.46	3762398.87	1.23E-08	4.20E-08	5.44E-08	1.91E-09	6.87E-09	8.78E-09	1.03E-09	3.18E-09	4.22E-09
5779	437384.36	3762368.77	1.06E-08	3.63E-08	4.70E-08	1.65E-09	5.93E-09	7.59E-09	8.91E-10	2.75E-09	3.64E-09
5780	437369.27	3762368.87	1.05E-08	3.58E-08	4.63E-08	1.63E-09	5.84E-09	7.47E-09	8.78E-10	2.71E-09	3.59E-09
5781	437384.17	3762338.77	9.15E-09	3.12E-08	4.04E-08	1.42E-09	5.10E-09	6.52E-09	7.66E-10	2.36E-09	3.13E-09
5782	437369.08	3762338.87	9.03E-09	3.08E-08	3.98E-08	1.40E-09	5.03E-09	6.43E-09	7.56E-10	2.33E-09	3.09E-09
5783	437383.98	3762308.78	7.95E-09	2.71E-08	3.51E-08	1.24E-09	4.43E-09	5.67E-09	6.66E-10	2.06E-09	2.72E-09
5784	437368.89	3762308.87	7.85E-09	2.68E-08	3.46E-08	1.22E-09	4.37E-09	5.59E-09	6.57E-10	2.03E-09	2.69E-09
5785	437383.79	3762278.78	6.98E-09	2.38E-08	3.08E-08	1.08E-09	3.89E-09	4.97E-09	5.84E-10	1.80E-09	2.39E-09
5786	437368.7	3762278.87	6.9E-09	2.35E-08	3.04E-08	1.07E-09	3.84E-09	4.91E-09	5.77E-10	1.78E-09	2.36E-09
5787	437383.6	3762248.78	6.18E-09	2.11E-08	2.72E-08	9.60E-10	3.44E-09	4.40E-09	5.17E-10	1.60E-09	2.11E-09
5788	437368.51	3762248.87	6.11E-09	2.08E-08	2.69E-08	9.49E-10	3.40E-09	4.35E-09	5.11E-10	1.58E-09	2.09E-09
5789	437383.41	3762218.78	5.51E-09	1.88E-08	2.43E-08	8.56E-10	3.07E-09	3.93E-09	4.61E-10	1.42E-09	1.89E-09
5790	437368.32	3762218.87	5.45E-09	1.86E-08	2.41E-08	8.48E-10	3.04E-09	3.89E-09	4.57E-10	1.41E-09	1.87E-09
5791	437383.22	3762188.78	4.96E-09	1.69E-08	2.19E-08	7.70E-10	2.76E-09	3.53E-09	4.15E-10	1.28E-09	1.70E-09

5792	437368.13	3762188.87	4.9E-09	1.67E-08	2.16E-08	7.62E-10	2.73E-09	3.49E-09	4.11E-10	1.27E-09	1.68E-09
5793	437383.04	3762158.78	4.48E-09	1.53E-08	1.98E-08	6.97E-10	2.50E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
5794	437367.95	3762158.87	4.44E-09	1.51E-08	1.96E-08	6.90E-10	2.47E-09	3.16E-09	3.72E-10	1.15E-09	1.52E-09
5795	437382.85	3762128.78	4.08E-09	1.39E-08	1.80E-08	6.34E-10	2.27E-09	2.91E-09	3.42E-10	1.05E-09	1.40E-09
5796	437367.76	3762128.87	4.04E-09	1.38E-08	1.78E-08	6.28E-10	2.25E-09	2.88E-09	3.38E-10	1.04E-09	1.38E-09
5797	437382.66	3762098.78	3.74E-09	1.27E-08	1.65E-08	5.80E-10	2.08E-09	2.66E-09	3.13E-10	9.65E-10	1.28E-09
5798	437367.57	3762098.87	3.7E-09	1.26E-08	1.63E-08	5.75E-10	2.06E-09	2.64E-09	3.10E-10	9.56E-10	1.27E-09
5799	437374.36	3761978.83	2.74E-09	9.34E-09	1.21E-08	4.25E-10	1.53E-09	1.95E-09	2.29E-10	7.07E-10	9.37E-10
5800	437359.27	3761978.92	2.71E-09	9.26E-09	1.20E-08	4.22E-10	1.51E-09	1.93E-09	2.27E-10	7.01E-10	9.29E-10
5801	437359.02	3761938.93	2.49E-09	8.48E-09	1.10E-08	3.86E-10	1.39E-09	1.77E-09	2.08E-10	6.43E-10	8.51E-10
5802	437358.76	3761898.93	2.29E-09	7.83E-09	1.01E-08	3.57E-10	1.28E-09	1.63E-09	1.92E-10	5.93E-10	7.85E-10
5803	437353.8	3762708.61	2.43E-07	8.28E-07	1.07E-06	3.77E-08	1.35E-07	1.73E-07	2.03E-08	6.28E-08	8.31E-08
5804	437353.8	3762718.3	2.92E-07	9.97E-07	1.29E-06	4.54E-08	1.63E-07	2.08E-07	2.45E-08	7.55E-08	1.00E-07
5805	437353.8	3762728	3.51E-07	1.20E-06	1.55E-06	5.45E-08	1.95E-07	2.50E-07	2.93E-08	9.06E-08	1.20E-07
5806	437353.8	3762737.69	4.08E-07	1.39E-06	1.80E-06	6.34E-08	2.27E-07	2.91E-07	3.41E-08	1.05E-07	1.40E-07
5807	437353.8	3762747.39	4.55E-07	1.55E-06	2.01E-06	7.07E-08	2.54E-07	3.24E-07	3.81E-08	1.18E-07	1.56E-07
5808	437353.8	3762757.09	4.88E-07	1.66E-06	2.15E-06	7.59E-08	2.72E-07	3.48E-07	4.09E-08	1.26E-07	1.67E-07
5809	437353.8	3762766.78	5.1E-07	1.74E-06	2.25E-06	7.92E-08	2.84E-07	3.63E-07	4.27E-08	1.32E-07	1.74E-07
5810	437353.8	3762776.48	5.23E-07	1.78E-06	2.31E-06	8.13E-08	2.91E-07	3.73E-07	4.38E-08	1.35E-07	1.79E-07
5811	437353.8	3762786.17	5.27E-07	1.80E-06	2.32E-06	8.18E-08	2.93E-07	3.75E-07	4.41E-08	1.36E-07	1.80E-07
5812	437353.8	3762795.87	5.22E-07	1.78E-06	2.30E-06	8.11E-08	2.91E-07	3.72E-07	4.37E-08	1.35E-07	1.79E-07
5813	437353.8	3762805.56	5.12E-07	1.75E-06	2.26E-06	7.96E-08	2.85E-07	3.65E-07	4.29E-08	1.32E-07	1.75E-07
5814	437353.8	3762815.26	4.95E-07	1.69E-06	2.18E-06	7.69E-08	2.76E-07	3.53E-07	4.14E-08	1.28E-07	1.69E-07
5815	437353.8	3762824.96	4.71E-07	1.61E-06	2.08E-06	7.32E-08	2.62E-07	3.36E-07	3.94E-08	1.22E-07	1.61E-07
5816	437353.8	3762834.65	4.39E-07	1.50E-06	1.94E-06	6.82E-08	2.45E-07	3.13E-07	3.67E-08	1.13E-07	1.50E-07
5817	437353.8	3762844.35	3.99E-07	1.36E-06	1.76E-06	6.20E-08	2.22E-07	2.84E-07	3.34E-08	1.03E-07	1.37E-07
5818	437353.8	3762854.04	3.52E-07	1.20E-06	1.55E-06	5.46E-08	1.96E-07	2.50E-07	2.94E-08	9.08E-08	1.20E-07
5819	437343.8	3762708.61	2.05E-07	7.00E-07	9.05E-07	3.19E-08	1.14E-07	1.46E-07	1.72E-08	5.30E-08	7.02E-08
5820	437343.8	3762718.3	2.39E-07	8.17E-07	1.06E-06	3.72E-08	1.33E-07	1.71E-07	2.00E-08	6.19E-08	8.19E-08
5821	437343.8	3762728	2.78E-07	9.46E-07	1.22E-06	4.31E-08	1.55E-07	1.98E-07	2.32E-08	7.17E-08	9.49E-08
5822	437343.8	3762737.69	3.15E-07	1.07E-06	1.39E-06	4.89E-08	1.75E-07	2.24E-07	2.63E-08	8.13E-08	1.08E-07
5823	437343.8	3762747.39	3.46E-07	1.18E-06	1.53E-06	5.38E-08	1.93E-07	2.47E-07	2.90E-08	8.94E-08	1.18E-07
5824	437343.8	3762757.09	3.69E-07	1.26E-06	1.63E-06	5.73E-08	2.06E-07	2.63E-07	3.09E-08	9.54E-08	1.26E-07
5825	437343.8	3762766.78	3.85E-07	1.31E-06	1.70E-06	5.97E-08	2.14E-07	2.74E-07	3.22E-08	9.94E-08	1.32E-07
5826	437343.8	3762776.48	3.94E-07	1.34E-06	1.74E-06	6.12E-08	2.19E-07	2.81E-07	3.30E-08	1.02E-07	1.35E-07
5827	437343.8	3762786.17	3.97E-07	1.35E-06	1.75E-06	6.17E-08	2.21E-07	2.83E-07	3.32E-08	1.03E-07	1.36E-07
5828	437343.8	3762795.87	3.94E-07	1.34E-06	1.74E-06	6.12E-08	2.20E-07	2.81E-07	3.30E-08	1.02E-07	1.35E-07
5829	437343.8	3762805.56	3.86E-07	1.32E-06	1.70E-06	6.00E-08	2.15E-07	2.75E-07	3.23E-08	9.98E-08	1.32E-07
5830	437343.8	3762815.26	3.73E-07	1.27E-06	1.65E-06	5.80E-08	2.08E-07	2.66E-07	3.12E-08	9.64E-08	1.28E-07
5831	437343.8	3762824.96	3.55E-07	1.21E-06	1.57E-06	5.51E-08	1.98E-07	2.53E-07	2.97E-08	9.17E-08	1.21E-07
5832	437343.8	3762834.65	3.31E-07	1.13E-06	1.46E-06	5.14E-08	1.84E-07	2.36E-07	2.77E-08	8.56E-08	1.13E-07
5833	437343.8	3762844.35	3.04E-07	1.04E-06	1.34E-06	4.72E-08	1.69E-07	2.16E-07	2.54E-08	7.85E-08	1.04E-07
5834	437343.8	3762854.04	2.73E-07	9.29E-07	1.20E-06	4.23E-08	1.52E-07	1.94E-07	2.28E-08	7.04E-08	9.32E-08
5835	437313.8	3762718.3	1.44E-07	4.91E-07	6.35E-07	2.24E-08	8.02E-08	1.03E-07	1.20E-08	3.72E-08	4.92E-08
5836	437313.8	3762728	1.58E-07	5.37E-07	6.95E-07	2.45E-08	8.78E-08	1.12E-07	1.32E-08	4.07E-08	5.39E-08
5837	437313.8	3762737.69	1.71E-07	5.82E-07	7.52E-07	2.65E-08	9.50E-08	1.22E-07	1.43E-08	4.41E-08	5.84E-08
5838	437313.8	3762747.39	1.82E-07	6.22E-07	8.04E-07	2.83E-08	1.02E-07	1.30E-07	1.53E-08	4.71E-08	6.24E-08
5839	437313.8	3762757.09	1.92E-07	6.54E-07	8.46E-07	2.98E-08	1.07E-07	1.37E-07	1.61E-08	4.96E-08	6.56E-08
5840	437313.8	3762766.78	1.99E-07	6.78E-07	8.77E-07	3.09E-08	1.11E-07	1.42E-07	1.66E-08	5.14E-08	6.80E-08
5841	437313.8	3762776.48	2.04E-07	6.94E-07	8.97E-07	3.16E-08	1.13E-07	1.45E-07	1.70E-08	5.26E-08	6.96E-08
5842	437313.8	3762786.17	2.06E-07	7.01E-07	9.07E-07	3.20E-08	1.15E-07	1.47E-07	1.72E-08	5.31E-08	7.04E-08
5843	437313.8	3762795.87	2.05E-07	7.00E-07	9.06E-07	3.19E-08	1.14E-07	1.46E-07	1.72E-08	5.31E-08	7.03E-08
5844	437313.8	3762805.56	2.03E-07	6.92E-07	8.94E-07	3.15E-08	1.13E-07	1.44E-07	1.70E-08	5.24E-08	6.94E-08
5845	437313.8	3762815.26	1.98E-07	6.74E-07	8.72E-07	3.07E-08	1.10E-07	1.41E-07	1.65E-08	5.11E-08	6.76E-08
5846	437313.8	3762824.96	1.9E-07	6.48E-07	8.38E-07	2.95E-08	1.06E-07	1.35E-07	1.59E-08	4.91E-08	6.50E-08
5847	437313.8	3762834.65	1.8E-07	6.15E-07	7.95E-07	2.80E-08	1.00E-07	1.28E-07	1.51E-08	4.66E-08	6.17E-08
5848	437303.8	3762718.3	1.25E-07	4.27E-07	5.52E-07	1.94E-08	6.97E-08	8.92E-08	1.05E-08	3.23E-08	4.28E-08
5849	437303.8	3762728	1.36E-07	4.62E-07	5.98E-07	2.11E-08	7.55E-08	9.66E-08	1.13E-08	3.50E-08	4.64E-08
5850	437303.8	3762737.69	1.46E-07	4.96E-07	6.42E-07	2.26E-08	8.11E-08	1.04E-07	1.22E-08	3.76E-08	4.98E-08
5851	437303.8	3762747.39	1.55E-07	5.27E-07	6.81E-07	2.40E-08	8.61E-08	1.10E-07	1.29E-08	3.99E-08	5.29E-08
5852	437303.8	3762757.09	1.62E-07	5.52E-07	7.14E-07	2.51E-08	9.01E-08	1.15E-07	1.35E-08	4.18E-08	5.54E-08

5853	437303.8	3762766.78	1.67E-07	5.71E-07	7.38E-07	2.60E-08	9.32E-08	1.19E-07	1.40E-08	4.32E-08	5.73E-08
5854	437303.8	3762776.48	1.71E-07	5.83E-07	7.55E-07	2.66E-08	9.53E-08	1.22E-07	1.43E-08	4.42E-08	5.85E-08
5855	437303.8	3762786.17	1.73E-07	5.90E-07	7.63E-07	2.69E-08	9.63E-08	1.23E-07	1.45E-08	4.47E-08	5.92E-08
5856	437303.8	3762795.87	1.73E-07	5.89E-07	7.62E-07	2.69E-08	9.63E-08	1.23E-07	1.45E-08	4.47E-08	5.91E-08
5857	437303.8	3762805.56	1.71E-07	5.83E-07	7.54E-07	2.66E-08	9.52E-08	1.22E-07	1.43E-08	4.42E-08	5.85E-08
5858	437303.8	3762815.26	1.67E-07	5.69E-07	7.36E-07	2.59E-08	9.30E-08	1.19E-07	1.40E-08	4.31E-08	5.71E-08
5859	437303.8	3762824.96	1.61E-07	5.50E-07	7.11E-07	2.51E-08	8.98E-08	1.15E-07	1.35E-08	4.17E-08	5.52E-08
5860	437303.8	3762834.65	1.54E-07	5.25E-07	6.79E-07	2.39E-08	8.57E-08	1.10E-07	1.29E-08	3.98E-08	5.26E-08
5861	437293.8	3762718.3	1.1E-07	3.75E-07	4.85E-07	1.71E-08	6.13E-08	7.84E-08	9.21E-09	2.84E-08	3.76E-08
5862	437293.8	3762728	1.18E-07	4.03E-07	5.21E-07	1.84E-08	6.58E-08	8.42E-08	9.89E-09	3.05E-08	4.04E-08
5863	437293.8	3762737.69	1.26E-07	4.29E-07	5.55E-07	1.96E-08	7.02E-08	8.97E-08	1.05E-08	3.25E-08	4.31E-08
5864	437293.8	3762747.39	1.33E-07	4.53E-07	5.86E-07	2.07E-08	7.40E-08	9.47E-08	1.11E-08	3.43E-08	4.55E-08
5865	437293.8	3762757.09	1.39E-07	4.73E-07	6.12E-07	2.15E-08	7.73E-08	9.88E-08	1.16E-08	3.58E-08	4.74E-08
5866	437293.8	3762766.78	1.43E-07	4.88E-07	6.31E-07	2.22E-08	7.97E-08	1.02E-07	1.20E-08	3.70E-08	4.90E-08
5867	437293.8	3762776.48	1.46E-07	4.98E-07	6.44E-07	2.27E-08	8.14E-08	1.04E-07	1.22E-08	3.78E-08	5.00E-08
5868	437293.8	3762786.17	1.48E-07	5.03E-07	6.51E-07	2.29E-08	8.22E-08	1.05E-07	1.24E-08	3.81E-08	5.05E-08
5869	437293.8	3762795.87	1.48E-07	5.03E-07	6.51E-07	2.29E-08	8.22E-08	1.05E-07	1.24E-08	3.81E-08	5.05E-08
5870	437293.8	3762805.56	1.46E-07	4.98E-07	6.44E-07	2.27E-08	8.14E-08	1.04E-07	1.22E-08	3.78E-08	5.00E-08
5871	437293.8	3762815.26	1.43E-07	4.88E-07	6.31E-07	2.22E-08	7.97E-08	1.02E-07	1.20E-08	3.70E-08	4.90E-08
5872	437293.8	3762824.96	1.39E-07	4.73E-07	6.12E-07	2.16E-08	7.73E-08	9.89E-08	1.16E-08	3.59E-08	4.75E-08
5873	437293.8	3762834.65	1.33E-07	4.54E-07	5.87E-07	2.07E-08	7.41E-08	9.48E-08	1.11E-08	3.44E-08	4.55E-08
5874	437287.12	3762690.85	8.17E-08	2.79E-07	3.60E-07	1.27E-08	4.55E-08	5.82E-08	6.84E-09	2.11E-08	2.80E-08
5875	437283.8	3762718.3	9.75E-08	3.32E-07	4.30E-07	1.52E-08	5.43E-08	6.95E-08	8.16E-09	2.52E-08	3.34E-08
5876	437283.8	3762728	1.04E-07	3.55E-07	4.59E-07	1.62E-08	5.80E-08	7.41E-08	8.71E-09	2.69E-08	3.56E-08
5877	437283.8	3762737.69	1.1E-07	3.76E-07	4.86E-07	1.71E-08	6.14E-08	7.85E-08	9.22E-09	2.85E-08	3.77E-08
5878	437283.8	3762747.39	1.16E-07	3.95E-07	5.11E-07	1.80E-08	6.45E-08	8.25E-08	9.69E-09	2.99E-08	3.96E-08
5879	437283.8	3762757.09	1.2E-07	4.11E-07	5.31E-07	1.87E-08	6.71E-08	8.58E-08	1.01E-08	3.11E-08	4.12E-08
5880	437283.8	3762766.78	1.24E-07	4.23E-07	5.47E-07	1.93E-08	6.90E-08	8.83E-08	1.04E-08	3.20E-08	4.24E-08
5881	437283.8	3762776.48	1.26E-07	4.31E-07	5.57E-07	1.96E-08	7.04E-08	9.00E-08	1.06E-08	3.27E-08	4.32E-08
5882	437283.8	3762786.17	1.28E-07	4.35E-07	5.63E-07	1.98E-08	7.11E-08	9.09E-08	1.07E-08	3.30E-08	4.37E-08
5883	437283.8	3762795.87	1.28E-07	4.35E-07	5.63E-07	1.98E-08	7.11E-08	9.10E-08	1.07E-08	3.30E-08	4.37E-08
5884	437283.8	3762805.56	1.27E-07	4.31E-07	5.58E-07	1.97E-08	7.05E-08	9.01E-08	1.06E-08	3.27E-08	4.33E-08
5885	437283.8	3762815.26	1.24E-07	4.24E-07	5.48E-07	1.93E-08	6.92E-08	8.85E-08	1.04E-08	3.21E-08	4.25E-08
5886	437283.8	3762824.96	1.21E-07	4.12E-07	5.33E-07	1.88E-08	6.73E-08	8.61E-08	1.01E-08	3.12E-08	4.13E-08
5887	437283.8	3762834.65	1.16E-07	3.97E-07	5.13E-07	1.81E-08	6.48E-08	8.29E-08	9.74E-09	3.01E-08	3.98E-08
5888	437283.8	3762844.35	1.11E-07	3.78E-07	4.89E-07	1.72E-08	6.18E-08	7.90E-08	9.28E-09	2.87E-08	3.79E-08
5889	437283.61	3762675.12	6.95E-08	2.37E-07	3.07E-07	1.08E-08	3.87E-08	4.95E-08	5.82E-09	1.80E-08	2.38E-08
5890	437290.15	3762659.26	6.44E-08	2.20E-07	2.84E-07	1.00E-08	3.59E-08	4.59E-08	5.39E-09	1.66E-08	2.20E-08
5891	437296.69	3762643.4	5.91E-08	2.02E-07	2.61E-07	9.18E-09	3.29E-08	4.21E-08	4.95E-09	1.53E-08	2.02E-08
5892	437273.8	3762718.3	8.72E-08	2.97E-07	3.84E-07	1.35E-08	4.86E-08	6.21E-08	7.30E-09	2.25E-08	2.98E-08
5893	437273.8	3762728	9.24E-08	3.15E-07	4.08E-07	1.44E-08	5.15E-08	6.59E-08	7.74E-09	2.39E-08	3.16E-08
5894	437273.8	3762737.69	9.74E-08	3.32E-07	4.30E-07	1.51E-08	5.43E-08	6.94E-08	8.15E-09	2.52E-08	3.33E-08
5895	437273.8	3762747.39	1.02E-07	3.47E-07	4.49E-07	1.58E-08	5.67E-08	7.26E-08	8.53E-09	2.63E-08	3.48E-08
5896	437273.8	3762757.09	1.06E-07	3.60E-07	4.66E-07	1.64E-08	5.88E-08	7.52E-08	8.84E-09	2.73E-08	3.61E-08
5897	437273.8	3762766.78	1.09E-07	3.70E-07	4.79E-07	1.69E-08	6.05E-08	7.73E-08	9.08E-09	2.80E-08	3.71E-08
5898	437273.8	3762776.48	1.11E-07	3.77E-07	4.88E-07	1.72E-08	6.16E-08	7.88E-08	9.25E-09	2.86E-08	3.78E-08
5899	437273.8	3762786.17	1.12E-07	3.81E-07	4.92E-07	1.73E-08	6.22E-08	7.95E-08	9.34E-09	2.88E-08	3.82E-08
5900	437273.8	3762795.87	1.12E-07	3.81E-07	4.93E-07	1.74E-08	6.22E-08	7.96E-08	9.35E-09	2.89E-08	3.82E-08
5901	437273.8	3762805.56	1.11E-07	3.78E-07	4.89E-07	1.72E-08	6.17E-08	7.89E-08	9.27E-09	2.86E-08	3.79E-08
5902	437273.8	3762815.26	1.09E-07	3.72E-07	4.80E-07	1.69E-08	6.07E-08	7.76E-08	9.12E-09	2.82E-08	3.73E-08
5903	437273.8	3762824.96	1.06E-07	3.62E-07	4.68E-07	1.65E-08	5.92E-08	7.57E-08	8.89E-09	2.74E-08	3.63E-08
5904	437273.8	3762834.65	1.03E-07	3.50E-07	4.53E-07	1.59E-08	5.72E-08	7.31E-08	8.59E-09	2.65E-08	3.51E-08
5905	437273.8	3762844.35	9.82E-08	3.35E-07	4.33E-07	1.53E-08	5.47E-08	7.00E-08	8.22E-09	2.54E-08	3.36E-08
5906	437267.43	3762690.1	6.75E-08	2.30E-07	2.98E-07	1.05E-08	3.76E-08	4.81E-08	5.65E-09	1.74E-08	2.31E-08
5907	437263.8	3762718.3	7.84E-08	2.67E-07	3.46E-07	1.22E-08	4.37E-08	5.59E-08	6.57E-09	2.03E-08	2.68E-08
5908	437263.8	3762728	8.28E-08	2.82E-07	3.65E-07	1.29E-08	4.61E-08	5.90E-08	6.93E-09	2.14E-08	2.83E-08
5909	437263.8	3762737.69	8.68E-08	2.96E-07	3.83E-07	1.35E-08	4.83E-08	6.18E-08	7.26E-09	2.24E-08	2.97E-08
5910	437263.8	3762747.39	9.04E-08	3.08E-07	3.99E-07	1.40E-08	5.04E-08	6.44E-08	7.57E-09	2.34E-08	3.09E-08
5911	437263.8	3762757.09	9.35E-08	3.19E-07	4.12E-07	1.45E-08	5.21E-08	6.66E-08	7.82E-09	2.42E-08	3.20E-08
5912	437263.8	3762766.78	9.59E-08	3.27E-07	4.23E-07	1.49E-08	5.34E-08	6.83E-08	8.03E-09	2.48E-08	3.28E-08
5913	437263.8	3762776.48	9.76E-08	3.33E-07	4.31E-07	1.52E-08	5.44E-08	6.96E-08	8.17E-09	2.52E-08	3.34E-08

5914	437263.8	3762786.17	9.85E-08	3.36E-07	4.35E-07	1.53E-08	5.49E-08	7.02E-08	8.25E-09	2.55E-08	3.37E-08
5915	437263.8	3762795.87	9.86E-08	3.36E-07	4.35E-07	1.53E-08	5.49E-08	7.03E-08	8.25E-09	2.55E-08	3.37E-08
5916	437263.8	3762805.56	9.79E-08	3.34E-07	4.32E-07	1.52E-08	5.45E-08	6.97E-08	8.19E-09	2.53E-08	3.35E-08
5917	437263.8	3762815.26	9.64E-08	3.29E-07	4.25E-07	1.50E-08	5.37E-08	6.87E-08	8.07E-09	2.49E-08	3.30E-08
5918	437263.8	3762824.96	9.42E-08	3.21E-07	4.15E-07	1.46E-08	5.25E-08	6.71E-08	7.88E-09	2.43E-08	3.22E-08
5919	437263.8	3762834.65	9.12E-08	3.11E-07	4.02E-07	1.42E-08	5.08E-08	6.50E-08	7.64E-09	2.36E-08	3.12E-08
5920	437263.8	3762844.35	8.76E-08	2.99E-07	3.86E-07	1.36E-08	4.88E-08	6.24E-08	7.33E-09	2.26E-08	3.00E-08
5921	437247.29	3762690.45	5.68E-08	1.94E-07	2.51E-07	8.83E-09	3.17E-08	4.05E-08	4.76E-09	1.47E-08	1.94E-08
5922	437320.86	3762596.62	4.49E-08	1.53E-07	1.98E-07	6.98E-09	2.50E-08	3.20E-08	3.76E-09	1.16E-08	1.54E-08
5923	437346.17	3762585.99	4.53E-08	1.54E-07	2.00E-07	7.04E-09	2.52E-08	3.23E-08	3.79E-09	1.17E-08	1.55E-08
5924	437243.8	3762718.3	6.46E-08	2.20E-07	2.85E-07	1.00E-08	3.60E-08	4.60E-08	5.40E-09	1.67E-08	2.21E-08
5925	437243.8	3762728	6.76E-08	2.30E-07	2.98E-07	1.05E-08	3.76E-08	4.81E-08	5.65E-09	1.75E-08	2.31E-08
5926	437243.8	3762737.69	7.03E-08	2.40E-07	3.10E-07	1.09E-08	3.92E-08	5.01E-08	5.89E-09	1.82E-08	2.41E-08
5927	437243.8	3762747.39	7.28E-08	2.48E-07	3.21E-07	1.13E-08	4.05E-08	5.19E-08	6.09E-09	1.88E-08	2.49E-08
5928	437243.8	3762757.09	7.49E-08	2.55E-07	3.30E-07	1.16E-08	4.17E-08	5.34E-08	6.27E-09	1.94E-08	2.56E-08
5929	437243.8	3762766.78	7.66E-08	2.61E-07	3.38E-07	1.19E-08	4.27E-08	5.46E-08	6.41E-09	1.98E-08	2.62E-08
5930	437243.8	3762776.48	7.78E-08	2.65E-07	3.43E-07	1.21E-08	4.34E-08	5.54E-08	6.51E-09	2.01E-08	2.66E-08
5931	437243.8	3762786.17	7.85E-08	2.68E-07	3.46E-07	1.22E-08	4.37E-08	5.59E-08	6.57E-09	2.03E-08	2.68E-08
5932	437243.8	3762795.87	7.86E-08	2.68E-07	3.46E-07	1.22E-08	4.38E-08	5.60E-08	6.58E-09	2.03E-08	2.69E-08
5933	437243.8	3762805.56	7.81E-08	2.66E-07	3.44E-07	1.21E-08	4.35E-08	5.56E-08	6.54E-09	2.02E-08	2.67E-08
5934	437243.8	3762815.26	7.71E-08	2.63E-07	3.40E-07	1.20E-08	4.29E-08	5.49E-08	6.45E-09	1.99E-08	2.64E-08
5935	437243.8	3762824.96	7.55E-08	2.58E-07	3.33E-07	1.17E-08	4.21E-08	5.38E-08	6.32E-09	1.95E-08	2.58E-08
5936	437243.8	3762834.65	7.35E-08	2.51E-07	3.24E-07	1.14E-08	4.09E-08	5.24E-08	6.15E-09	1.90E-08	2.51E-08
5937	437243.8	3762844.35	7.1E-08	2.42E-07	3.13E-07	1.10E-08	3.96E-08	5.06E-08	5.94E-09	1.84E-08	2.43E-08
5938	437227.19	3762690.69	4.87E-08	1.66E-07	2.15E-07	7.57E-09	2.71E-08	3.47E-08	4.08E-09	1.26E-08	1.67E-08
5939	437305.5	3762583.01	3.75E-08	1.28E-07	1.65E-07	5.83E-09	2.09E-08	2.67E-08	3.14E-09	9.69E-09	1.28E-08
5940	437321.91	3762576.13	3.79E-08	1.29E-07	1.67E-07	5.89E-09	2.11E-08	2.70E-08	3.17E-09	9.79E-09	1.30E-08
5941	437346.51	3762565.8	3.78E-08	1.29E-07	1.67E-07	5.87E-09	2.11E-08	2.69E-08	3.16E-09	9.77E-09	1.29E-08
5942	437223.8	3762718.3	5.41E-08	1.84E-07	2.39E-07	8.40E-09	3.01E-08	3.85E-08	4.53E-09	1.40E-08	1.85E-08
5943	437223.8	3762728	5.62E-08	1.92E-07	2.48E-07	8.74E-09	3.13E-08	4.01E-08	4.71E-09	1.45E-08	1.92E-08
5944	437223.8	3762737.69	5.82E-08	1.99E-07	2.57E-07	9.05E-09	3.24E-08	4.15E-08	4.87E-09	1.50E-08	1.99E-08
5945	437223.8	3762747.39	6E-08	2.05E-07	2.65E-07	9.32E-09	3.34E-08	4.27E-08	5.02E-09	1.55E-08	2.05E-08
5946	437223.8	3762757.09	6.15E-08	2.10E-07	2.71E-07	9.56E-09	3.43E-08	4.38E-08	5.15E-09	1.59E-08	2.10E-08
5947	437223.8	3762766.78	6.27E-08	2.14E-07	2.76E-07	9.74E-09	3.49E-08	4.47E-08	5.25E-09	1.62E-08	2.14E-08
5948	437223.8	3762776.48	6.35E-08	2.17E-07	2.80E-07	9.87E-09	3.54E-08	4.53E-08	5.32E-09	1.64E-08	2.17E-08
5949	437223.8	3762786.17	6.4E-08	2.18E-07	2.82E-07	9.95E-09	3.57E-08	4.56E-08	5.36E-09	1.65E-08	2.19E-08
5950	437223.8	3762795.87	6.41E-08	2.19E-07	2.83E-07	9.96E-09	3.57E-08	4.57E-08	5.36E-09	1.66E-08	2.19E-08
5951	437223.8	3762805.56	6.38E-08	2.17E-07	2.81E-07	9.91E-09	3.55E-08	4.54E-08	5.34E-09	1.65E-08	2.18E-08
5952	437223.8	3762815.26	6.3E-08	2.15E-07	2.78E-07	9.80E-09	3.51E-08	4.49E-08	5.28E-09	1.63E-08	2.16E-08
5953	437223.8	3762824.96	6.19E-08	2.11E-07	2.73E-07	9.63E-09	3.45E-08	4.41E-08	5.19E-09	1.60E-08	2.12E-08
5954	437223.8	3762834.65	6.05E-08	2.06E-07	2.67E-07	9.40E-09	3.37E-08	4.31E-08	5.06E-09	1.56E-08	2.07E-08
5955	437223.8	3762844.35	5.87E-08	2.00E-07	2.59E-07	9.13E-09	3.27E-08	4.18E-08	4.92E-09	1.52E-08	2.01E-08
5956	437207.38	3762690.23	4.19E-08	1.43E-07	1.85E-07	6.51E-09	2.33E-08	2.99E-08	3.51E-09	1.08E-08	1.43E-08
5957	437293.57	3762567.97	3.19E-08	1.09E-07	1.41E-07	4.95E-09	1.78E-08	2.27E-08	2.67E-09	8.23E-09	1.09E-08
5958	437319.53	3762557.07	3.22E-08	1.10E-07	1.42E-07	5.01E-09	1.80E-08	2.30E-08	2.70E-09	8.33E-09	1.10E-08
5959	437336.83	3762549.81	3.21E-08	1.10E-07	1.42E-07	4.99E-09	1.79E-08	2.29E-08	2.69E-09	8.30E-09	1.10E-08
5960	437345.49	3762546.18	3.2E-08	1.09E-07	1.41E-07	4.97E-09	1.78E-08	2.28E-08	2.68E-09	8.26E-09	1.09E-08
5961	437203.8	3762718.3	4.59E-08	1.57E-07	2.02E-07	7.13E-09	2.56E-08	3.27E-08	3.84E-09	1.19E-08	1.57E-08
5962	437203.8	3762728	4.75E-08	1.62E-07	2.09E-07	7.38E-09	2.65E-08	3.38E-08	3.98E-09	1.23E-08	1.63E-08
5963	437203.8	3762737.69	4.9E-08	1.67E-07	2.16E-07	7.61E-09	2.73E-08	3.49E-08	4.10E-09	1.27E-08	1.68E-08
5964	437203.8	3762747.39	5.03E-08	1.71E-07	2.22E-07	7.81E-09	2.80E-08	3.58E-08	4.21E-09	1.30E-08	1.72E-08
5965	437203.8	3762757.09	5.14E-08	1.75E-07	2.27E-07	7.98E-09	2.86E-08	3.66E-08	4.30E-09	1.33E-08	1.76E-08
5966	437203.8	3762766.78	5.22E-08	1.78E-07	2.30E-07	8.12E-09	2.91E-08	3.72E-08	4.37E-09	1.35E-08	1.79E-08
5967	437203.8	3762776.48	5.29E-08	1.80E-07	2.33E-07	8.21E-09	2.94E-08	3.77E-08	4.42E-09	1.37E-08	1.81E-08
5968	437203.8	3762786.17	5.32E-08	1.81E-07	2.35E-07	8.27E-09	2.96E-08	3.79E-08	4.45E-09	1.37E-08	1.82E-08
5969	437203.8	3762795.87	5.33E-08	1.82E-07	2.35E-07	8.27E-09	2.97E-08	3.79E-08	4.46E-09	1.38E-08	1.82E-08
5970	437203.8	3762805.56	5.3E-08	1.81E-07	2.34E-07	8.24E-09	2.95E-08	3.78E-08	4.44E-09	1.37E-08	1.81E-08
5971	437203.8	3762815.26	5.25E-08	1.79E-07	2.31E-07	8.16E-09	2.92E-08	3.74E-08	4.39E-09	1.36E-08	1.80E-08
5972	437203.8	3762824.96	5.17E-08	1.76E-07	2.28E-07	8.03E-09	2.88E-08	3.68E-08	4.33E-09	1.34E-08	1.77E-08
5973	437203.8	3762834.65	5.06E-08	1.73E-07	2.23E-07	7.87E-09	2.82E-08	3.61E-08	4.24E-09	1.31E-08	1.73E-08
5974	437203.8	3762844.35	4.93E-08	1.68E-07	2.18E-07	7.67E-09	2.75E-08	3.52E-08	4.13E-09	1.27E-08	1.69E-08

5975	437187.29	3762690.45	3.64E-08	1.24E-07	1.61E-07	5.66E-09	2.03E-08	2.59E-08	3.05E-09	9.41E-09	1.25E-08
5976	437303.61	3762543.7	2.77E-08	9.44E-08	1.22E-07	4.30E-09	1.54E-08	1.97E-08	2.32E-09	7.16E-09	9.48E-09
5977	437320.48	3762536.62	2.77E-08	9.43E-08	1.22E-07	4.30E-09	1.54E-08	1.97E-08	2.32E-09	7.15E-09	9.46E-09
5978	437345.79	3762526	2.73E-08	9.30E-08	1.20E-07	4.24E-09	1.52E-08	1.94E-08	2.28E-09	7.05E-09	9.33E-09
5979	437183.8	3762718.3	3.94E-08	1.34E-07	1.74E-07	6.12E-09	2.20E-08	2.81E-08	3.30E-09	1.02E-08	1.35E-08
5980	437183.8	3762728	4.06E-08	1.39E-07	1.79E-07	6.31E-09	2.26E-08	2.90E-08	3.40E-09	1.05E-08	1.39E-08
5981	437183.8	3762737.69	4.17E-08	1.42E-07	1.84E-07	6.49E-09	2.33E-08	2.97E-08	3.49E-09	1.08E-08	1.43E-08
5982	437183.8	3762747.39	4.27E-08	1.46E-07	1.88E-07	6.64E-09	2.38E-08	3.04E-08	3.58E-09	1.10E-08	1.46E-08
5983	437183.8	3762757.09	4.35E-08	1.48E-07	1.92E-07	6.77E-09	2.43E-08	3.10E-08	3.65E-09	1.13E-08	1.49E-08
5984	437265.87	3762539.49	2.38E-08	8.11E-08	1.05E-07	3.69E-09	1.32E-08	1.69E-08	1.99E-09	6.14E-09	8.13E-09
5985	437274.66	3762535.8	2.39E-08	8.16E-08	1.05E-07	3.72E-09	1.33E-08	1.70E-08	2.00E-09	6.18E-09	8.18E-09
5986	437292.24	3762528.42	2.41E-08	8.21E-08	1.06E-07	3.74E-09	1.34E-08	1.71E-08	2.01E-09	6.22E-09	8.23E-09
5987	437318.6	3762517.36	2.4E-08	8.17E-08	1.06E-07	3.72E-09	1.33E-08	1.71E-08	2.00E-09	6.19E-09	8.19E-09
5988	437336.18	3762509.98	2.37E-08	8.08E-08	1.04E-07	3.68E-09	1.32E-08	1.69E-08	1.98E-09	6.12E-09	8.11E-09
5989	437344.97	3762506.29	2.35E-08	8.02E-08	1.04E-07	3.65E-09	1.31E-08	1.68E-08	1.97E-09	6.08E-09	8.04E-09
5990	437147.35	3762690.29	2.81E-08	9.60E-08	1.24E-07	4.37E-09	1.57E-08	2.01E-08	2.36E-09	7.27E-09	9.63E-09
5991	437250.71	3762525.8	2.08E-08	7.10E-08	9.18E-08	3.24E-09	1.16E-08	1.48E-08	1.74E-09	5.38E-09	7.12E-09
5992	437276.49	3762514.98	2.11E-08	7.20E-08	9.31E-08	3.28E-09	1.18E-08	1.50E-08	1.77E-09	5.45E-09	7.22E-09
5993	437293.67	3762507.77	2.11E-08	7.20E-08	9.31E-08	3.28E-09	1.18E-08	1.50E-08	1.77E-09	5.45E-09	7.22E-09
5994	437319.45	3762496.95	2.09E-08	7.12E-08	9.21E-08	3.24E-09	1.16E-08	1.49E-08	1.75E-09	5.39E-09	7.14E-09
5995	437336.64	3762489.73	2.06E-08	7.02E-08	9.08E-08	3.20E-09	1.15E-08	1.47E-08	1.72E-09	5.32E-09	7.05E-09
5996	437345.23	3762486.13	2.04E-08	6.97E-08	9.01E-08	3.17E-09	1.14E-08	1.46E-08	1.71E-09	5.28E-09	6.99E-09
5997	437143.8	3762698.91	2.83E-08	9.66E-08	1.25E-07	4.40E-09	1.58E-08	2.02E-08	2.37E-09	7.32E-09	9.69E-09
5998	437143.8	3762708.61	2.92E-08	9.95E-08	1.29E-07	4.53E-09	1.62E-08	2.08E-08	2.44E-09	7.54E-09	9.98E-09
5999	437143.8	3762718.3	3E-08	1.02E-07	1.32E-07	4.66E-09	1.67E-08	2.13E-08	2.51E-09	7.74E-09	1.03E-08
6000	437143.8	3762728	3.07E-08	1.05E-07	1.35E-07	4.77E-09	1.71E-08	2.19E-08	2.57E-09	7.93E-09	1.05E-08
6001	437143.8	3762737.69	3.14E-08	1.07E-07	1.38E-07	4.87E-09	1.75E-08	2.24E-08	2.63E-09	8.11E-09	1.07E-08
6002	437143.8	3762747.39	3.2E-08	1.09E-07	1.41E-07	4.97E-09	1.78E-08	2.28E-08	2.67E-09	8.26E-09	1.09E-08
6003	437143.8	3762757.09	3.24E-08	1.11E-07	1.43E-07	5.04E-09	1.81E-08	2.31E-08	2.72E-09	8.38E-09	1.11E-08
6004	437143.8	3762766.78	3.28E-08	1.12E-07	1.45E-07	5.10E-09	1.83E-08	2.34E-08	2.75E-09	8.48E-09	1.12E-08
6005	437143.8	3762776.48	3.31E-08	1.13E-07	1.46E-07	5.14E-09	1.84E-08	2.36E-08	2.77E-09	8.55E-09	1.13E-08
6006	437143.8	3762786.17	3.32E-08	1.13E-07	1.47E-07	5.16E-09	1.85E-08	2.37E-08	2.78E-09	8.58E-09	1.14E-08
6007	437143.8	3762795.87	3.32E-08	1.13E-07	1.47E-07	5.16E-09	1.85E-08	2.37E-08	2.78E-09	8.59E-09	1.14E-08
6008	437143.8	3762805.56	3.31E-08	1.13E-07	1.46E-07	5.15E-09	1.85E-08	2.36E-08	2.77E-09	8.56E-09	1.13E-08
6009	437143.8	3762815.26	3.29E-08	1.12E-07	1.45E-07	5.11E-09	1.83E-08	2.34E-08	2.75E-09	8.50E-09	1.13E-08
6010	437143.8	3762824.96	3.25E-08	1.11E-07	1.43E-07	5.05E-09	1.81E-08	2.32E-08	2.72E-09	8.40E-09	1.11E-08
6011	437143.8	3762834.65	3.2E-08	1.09E-07	1.41E-07	4.98E-09	1.78E-08	2.28E-08	2.68E-09	8.28E-09	1.10E-08
6012	437127.47	3762690.01	2.5E-08	8.53E-08	1.10E-07	3.89E-09	1.39E-08	1.78E-08	2.09E-09	6.46E-09	8.56E-09
6013	437237.96	3762511.1	1.84E-08	6.29E-08	8.13E-08	2.87E-09	1.03E-08	1.31E-08	1.54E-09	4.77E-09	6.31E-09
6014	437246.84	3762507.37	1.85E-08	6.32E-08	8.18E-08	2.88E-09	1.03E-08	1.32E-08	1.55E-09	4.79E-09	6.34E-09
6015	437264.6	3762499.92	1.87E-08	6.37E-08	8.23E-08	2.90E-09	1.04E-08	1.33E-08	1.56E-09	4.82E-09	6.39E-09
6016	437291.25	3762488.74	1.86E-08	6.35E-08	8.22E-08	2.89E-09	1.04E-08	1.33E-08	1.56E-09	4.81E-09	6.37E-09
6017	437317.89	3762477.55	1.83E-08	6.26E-08	8.09E-08	2.85E-09	1.02E-08	1.31E-08	1.54E-09	4.74E-09	6.28E-09
6018	437335.65	3762470.1	1.81E-08	6.16E-08	7.97E-08	2.81E-09	1.01E-08	1.29E-08	1.51E-09	4.67E-09	6.18E-09
6019	437344.53	3762466.37	1.79E-08	6.10E-08	7.89E-08	2.78E-09	9.97E-09	1.27E-08	1.50E-09	4.62E-09	6.12E-09
6020	437123.8	3762698.91	2.52E-08	8.58E-08	1.11E-07	3.91E-09	1.40E-08	1.79E-08	2.11E-09	6.50E-09	8.60E-09
6021	437123.8	3762708.61	2.58E-08	8.81E-08	1.14E-07	4.01E-09	1.44E-08	1.84E-08	2.16E-09	6.67E-09	8.84E-09
6022	437123.8	3762718.3	2.65E-08	9.02E-08	1.17E-07	4.11E-09	1.47E-08	1.89E-08	2.21E-09	6.84E-09	9.05E-09
6023	437123.8	3762728	2.7E-08	9.22E-08	1.19E-07	4.20E-09	1.51E-08	1.93E-08	2.26E-09	6.99E-09	9.25E-09
6024	437123.8	3762737.69	2.76E-08	9.40E-08	1.22E-07	4.28E-09	1.54E-08	1.96E-08	2.31E-09	7.13E-09	9.43E-09
6025	437123.8	3762747.39	2.8E-08	9.56E-08	1.24E-07	4.36E-09	1.56E-08	2.00E-08	2.35E-09	7.24E-09	9.59E-09
6026	437123.8	3762757.09	2.84E-08	9.69E-08	1.25E-07	4.42E-09	1.58E-08	2.02E-08	2.38E-09	7.34E-09	9.72E-09
6027	437123.8	3762766.78	2.87E-08	9.79E-08	1.27E-07	4.46E-09	1.60E-08	2.05E-08	2.40E-09	7.42E-09	9.82E-09
6028	437123.8	3762776.48	2.89E-08	9.86E-08	1.27E-07	4.49E-09	1.61E-08	2.06E-08	2.42E-09	7.47E-09	9.89E-09
6029	437123.8	3762786.17	2.9E-08	9.89E-08	1.28E-07	4.51E-09	1.62E-08	2.07E-08	2.43E-09	7.50E-09	9.93E-09
6030	437123.8	3762795.87	2.9E-08	9.90E-08	1.28E-07	4.51E-09	1.62E-08	2.07E-08	2.43E-09	7.50E-09	9.93E-09
6031	437123.8	3762805.56	2.89E-08	9.87E-08	1.28E-07	4.50E-09	1.61E-08	2.06E-08	2.42E-09	7.48E-09	9.90E-09
6032	437123.8	3762815.26	2.87E-08	9.80E-08	1.27E-07	4.47E-09	1.60E-08	2.05E-08	2.41E-09	7.43E-09	9.83E-09
6033	437123.8	3762824.96	2.84E-08	9.70E-08	1.25E-07	4.42E-09	1.58E-08	2.03E-08	2.38E-09	7.35E-09	9.73E-09
6034	437123.8	3762834.65	2.81E-08	9.57E-08	1.24E-07	4.36E-09	1.56E-08	2.00E-08	2.35E-09	7.25E-09	9.60E-09
6035	437107.4	3762690.18	2.24E-08	7.63E-08	9.87E-08	3.48E-09	1.25E-08	1.59E-08	1.87E-09	5.78E-09	7.66E-09

6036	437214.19	3762501.03	1.63E-08	5.56E-08	7.19E-08	2.53E-09	9.08E-09	1.16E-08	1.36E-09	4.21E-09	5.58E-09
6037	437222.9	3762497.37	1.64E-08	5.60E-08	7.24E-08	2.55E-09	9.14E-09	1.17E-08	1.37E-09	4.24E-09	5.61E-09
6038	437249.01	3762486.41	1.66E-08	5.67E-08	7.33E-08	2.58E-09	9.26E-09	1.18E-08	1.39E-09	4.29E-09	5.68E-09
6039	437275.12	3762475.45	1.66E-08	5.67E-08	7.33E-08	2.58E-09	9.26E-09	1.18E-08	1.39E-09	4.30E-09	5.69E-09
6040	437292.53	3762468.14	1.65E-08	5.63E-08	7.28E-08	2.56E-09	9.20E-09	1.18E-08	1.38E-09	4.27E-09	5.65E-09
6041	437318.64	3762457.18	1.62E-08	5.52E-08	7.14E-08	2.52E-09	9.02E-09	1.15E-08	1.36E-09	4.18E-09	5.54E-09
6042	437336.05	3762449.88	1.59E-08	5.43E-08	7.02E-08	2.47E-09	8.87E-09	1.13E-08	1.33E-09	4.11E-09	5.45E-09
6043	437344.75	3762446.22	1.58E-08	5.38E-08	6.95E-08	2.45E-09	8.78E-09	1.12E-08	1.32E-09	4.07E-09	5.39E-09
6044	437103.8	3762698.91	2.25E-08	7.66E-08	9.91E-08	3.49E-09	1.25E-08	1.60E-08	1.88E-09	5.81E-09	7.69E-09
6045	437103.8	3762708.61	2.3E-08	7.85E-08	1.02E-07	3.58E-09	1.28E-08	1.64E-08	1.93E-09	5.95E-09	7.88E-09
6046	437103.8	3762718.3	2.35E-08	8.03E-08	1.04E-07	3.66E-09	1.31E-08	1.68E-08	1.97E-09	6.08E-09	8.05E-09
6047	437103.8	3762728	2.4E-08	8.19E-08	1.06E-07	3.73E-09	1.34E-08	1.71E-08	2.01E-09	6.20E-09	8.21E-09
6048	437103.8	3762737.69	2.44E-08	8.33E-08	1.08E-07	3.80E-09	1.36E-08	1.74E-08	2.04E-09	6.31E-09	8.36E-09
6049	437103.8	3762747.39	2.48E-08	8.46E-08	1.09E-07	3.85E-09	1.38E-08	1.77E-08	2.08E-09	6.41E-09	8.48E-09
6050	437103.8	3762757.09	2.51E-08	8.56E-08	1.11E-07	3.90E-09	1.40E-08	1.79E-08	2.10E-09	6.48E-09	8.59E-09
6051	437103.8	3762766.78	2.53E-08	8.64E-08	1.12E-07	3.94E-09	1.41E-08	1.80E-08	2.12E-09	6.54E-09	8.66E-09
6052	437103.8	3762776.48	2.55E-08	8.69E-08	1.12E-07	3.96E-09	1.42E-08	1.82E-08	2.13E-09	6.59E-09	8.72E-09
6053	437103.8	3762786.17	2.56E-08	8.72E-08	1.13E-07	3.97E-09	1.42E-08	1.82E-08	2.14E-09	6.61E-09	8.75E-09
6054	437103.8	3762795.87	2.56E-08	8.72E-08	1.13E-07	3.97E-09	1.42E-08	1.82E-08	2.14E-09	6.61E-09	8.74E-09
6055	437103.8	3762805.56	2.55E-08	8.69E-08	1.12E-07	3.96E-09	1.42E-08	1.82E-08	2.13E-09	6.58E-09	8.72E-09
6056	437103.8	3762815.26	2.53E-08	8.63E-08	1.12E-07	3.93E-09	1.41E-08	1.80E-08	2.12E-09	6.54E-09	8.66E-09
6057	437103.8	3762824.96	2.51E-08	8.56E-08	1.11E-07	3.90E-09	1.40E-08	1.79E-08	2.10E-09	6.48E-09	8.58E-09
6058	437103.8	3762834.65	2.48E-08	8.45E-08	1.09E-07	3.85E-09	1.38E-08	1.77E-08	2.07E-09	6.40E-09	8.48E-09
6059	437087.34	3762690.33	2.01E-08	6.86E-08	8.88E-08	3.13E-09	1.12E-08	1.43E-08	1.68E-09	5.20E-09	6.89E-09
6060	437199.42	3762487.17	1.46E-08	4.98E-08	6.44E-08	2.27E-09	8.13E-09	1.04E-08	1.22E-09	3.77E-09	4.99E-09
6061	437207.98	3762483.58	1.47E-08	5.01E-08	6.48E-08	2.28E-09	8.18E-09	1.05E-08	1.23E-09	3.80E-09	5.03E-09
6062	437233.66	3762472.8	1.49E-08	5.07E-08	6.56E-08	2.31E-09	8.29E-09	1.06E-08	1.25E-09	3.84E-09	5.09E-09
6063	437250.77	3762465.62	1.49E-08	5.09E-08	6.58E-08	2.32E-09	8.31E-09	1.06E-08	1.25E-09	3.85E-09	5.10E-09
6064	437267.89	3762458.43	1.49E-08	5.07E-08	6.56E-08	2.31E-09	8.29E-09	1.06E-08	1.25E-09	3.84E-09	5.09E-09
6065	437276.45	3762454.84	1.48E-08	5.06E-08	6.54E-08	2.31E-09	8.27E-09	1.06E-08	1.24E-09	3.83E-09	5.08E-09
6066	437293.57	3762447.66	1.47E-08	5.01E-08	6.48E-08	2.28E-09	8.18E-09	1.05E-08	1.23E-09	3.80E-09	5.03E-09
6067	437310.69	3762440.47	1.45E-08	4.94E-08	6.39E-08	2.25E-09	8.07E-09	1.03E-08	1.21E-09	3.74E-09	4.96E-09
6068	437336.36	3762429.69	1.41E-08	4.81E-08	6.23E-08	2.19E-09	7.87E-09	1.01E-08	1.18E-09	3.65E-09	4.83E-09
6069	437353.48	3762422.51	1.38E-08	4.72E-08	6.10E-08	2.15E-09	7.71E-09	9.86E-09	1.16E-09	3.58E-09	4.73E-09
6070	437083.8	3762698.91	2.02E-08	6.88E-08	8.90E-08	3.14E-09	1.12E-08	1.44E-08	1.69E-09	5.22E-09	6.91E-09
6071	437083.8	3762708.61	2.06E-08	7.04E-08	9.11E-08	3.21E-09	1.15E-08	1.47E-08	1.73E-09	5.34E-09	7.06E-09
6072	437083.8	3762718.3	2.11E-08	7.19E-08	9.29E-08	3.27E-09	1.17E-08	1.50E-08	1.76E-09	5.45E-09	7.21E-09
6073	437083.8	3762728	2.15E-08	7.32E-08	9.46E-08	3.33E-09	1.20E-08	1.53E-08	1.80E-09	5.55E-09	7.34E-09
6074	437083.8	3762737.69	2.18E-08	7.44E-08	9.62E-08	3.39E-09	1.21E-08	1.55E-08	1.83E-09	5.63E-09	7.46E-09
6075	437083.8	3762747.39	2.21E-08	7.54E-08	9.75E-08	3.43E-09	1.23E-08	1.57E-08	1.85E-09	5.71E-09	7.56E-09
6076	437083.8	3762757.09	2.23E-08	7.62E-08	9.85E-08	3.47E-09	1.24E-08	1.59E-08	1.87E-09	5.77E-09	7.64E-09
6077	437083.8	3762766.78	2.25E-08	7.68E-08	9.93E-08	3.50E-09	1.25E-08	1.60E-08	1.89E-09	5.82E-09	7.70E-09
6078	437083.8	3762776.48	2.26E-08	7.72E-08	9.99E-08	3.52E-09	1.26E-08	1.61E-08	1.90E-09	5.85E-09	7.75E-09
6079	437083.8	3762786.17	2.27E-08	7.74E-08	1.00E-07	3.53E-09	1.26E-08	1.62E-08	1.90E-09	5.87E-09	7.77E-09
6080	437083.8	3762795.87	2.27E-08	7.74E-08	1.00E-07	3.53E-09	1.26E-08	1.62E-08	1.90E-09	5.87E-09	7.77E-09
6081	437083.8	3762805.56	2.26E-08	7.72E-08	9.98E-08	3.52E-09	1.26E-08	1.61E-08	1.89E-09	5.85E-09	7.74E-09
6082	437083.8	3762815.26	2.25E-08	7.68E-08	9.93E-08	3.50E-09	1.25E-08	1.60E-08	1.88E-09	5.82E-09	7.70E-09
6083	437083.8	3762824.96	2.23E-08	7.61E-08	9.85E-08	3.47E-09	1.24E-08	1.59E-08	1.87E-09	5.77E-09	7.64E-09
6084	437083.8	3762834.65	2.21E-08	7.53E-08	9.74E-08	3.43E-09	1.23E-08	1.57E-08	1.85E-09	5.71E-09	7.56E-09
6085	437074.7	3762672.48	1.8E-08	6.14E-08	7.94E-08	2.80E-09	1.00E-08	1.28E-08	1.51E-09	4.65E-09	6.16E-09
6086	437078.33	3762663.67	1.79E-08	6.10E-08	7.89E-08	2.78E-09	9.96E-09	1.27E-08	1.50E-09	4.62E-09	6.12E-09
6087	437081.97	3762654.86	1.77E-08	6.05E-08	7.82E-08	2.76E-09	9.88E-09	1.26E-08	1.48E-09	4.58E-09	6.07E-09
6088	437085.6	3762646.04	1.76E-08	5.99E-08	7.74E-08	2.73E-09	9.78E-09	1.25E-08	1.47E-09	4.54E-09	6.01E-09
6089	437089.23	3762637.23	1.74E-08	5.92E-08	7.66E-08	2.70E-09	9.67E-09	1.24E-08	1.45E-09	4.49E-09	5.94E-09
6090	437092.87	3762628.42	1.71E-08	5.85E-08	7.56E-08	2.66E-09	9.55E-09	1.22E-08	1.44E-09	4.43E-09	5.87E-09
6091	437096.5	3762619.61	1.69E-08	5.77E-08	7.47E-08	2.63E-09	9.43E-09	1.21E-08	1.42E-09	4.37E-09	5.79E-09
6092	437100.13	3762610.8	1.67E-08	5.69E-08	7.36E-08	2.59E-09	9.30E-09	1.19E-08	1.40E-09	4.31E-09	5.71E-09
6093	437103.77	3762601.99	1.65E-08	5.61E-08	7.26E-08	2.56E-09	9.17E-09	1.17E-08	1.38E-09	4.25E-09	5.63E-09
6094	437107.4	3762593.18	1.62E-08	5.52E-08	7.14E-08	2.52E-09	9.02E-09	1.15E-08	1.36E-09	4.18E-09	5.54E-09
6095	437114.67	3762575.56	1.57E-08	5.34E-08	6.91E-08	2.43E-09	8.72E-09	1.12E-08	1.31E-09	4.05E-09	5.36E-09
6096	437118.3	3762566.75	1.54E-08	5.25E-08	6.79E-08	2.39E-09	8.57E-09	1.10E-08	1.29E-09	3.98E-09	5.26E-09

6097	437121.93	3762557.93	1.51E-08	5.15E-08	6.66E-08	2.35E-09	8.42E-09	1.08E-08	1.26E-09	3.90E-09	5.17E-09
6098	437125.57	3762549.12	1.48E-08	5.05E-08	6.54E-08	2.30E-09	8.26E-09	1.06E-08	1.24E-09	3.83E-09	5.07E-09
6099	437132.83	3762531.5	1.42E-08	4.85E-08	6.28E-08	2.21E-09	7.93E-09	1.01E-08	1.19E-09	3.68E-09	4.87E-09
6100	437136.47	3762522.69	1.39E-08	4.75E-08	6.14E-08	2.16E-09	7.76E-09	9.93E-09	1.17E-09	3.60E-09	4.77E-09
6101	437140.1	3762513.88	1.36E-08	4.65E-08	6.01E-08	2.12E-09	7.59E-09	9.71E-09	1.14E-09	3.52E-09	4.66E-09
6102	437143.73	3762505.07	1.33E-08	4.54E-08	5.87E-08	2.07E-09	7.42E-09	9.48E-09	1.11E-09	3.44E-09	4.55E-09
6103	437186.15	3762472.69	1.32E-08	4.49E-08	5.81E-08	2.05E-09	7.33E-09	9.38E-09	1.10E-09	3.40E-09	4.50E-09
6104	437194.94	3762469	1.33E-08	4.52E-08	5.84E-08	2.06E-09	7.38E-09	9.44E-09	1.11E-09	3.42E-09	4.53E-09
6105	437203.73	3762465.31	1.33E-08	4.54E-08	5.88E-08	2.07E-09	7.42E-09	9.49E-09	1.12E-09	3.44E-09	4.56E-09
6106	437221.3	3762457.94	1.34E-08	4.57E-08	5.92E-08	2.08E-09	7.47E-09	9.56E-09	1.12E-09	3.47E-09	4.59E-09
6107	437238.88	3762450.56	1.34E-08	4.58E-08	5.93E-08	2.09E-09	7.49E-09	9.58E-09	1.12E-09	3.47E-09	4.60E-09
6108	437247.67	3762446.87	1.34E-08	4.58E-08	5.92E-08	2.09E-09	7.48E-09	9.57E-09	1.12E-09	3.47E-09	4.59E-09
6109	437265.24	3762439.49	1.34E-08	4.56E-08	5.90E-08	2.08E-09	7.45E-09	9.53E-09	1.12E-09	3.46E-09	4.58E-09
6110	437282.82	3762432.11	1.33E-08	4.52E-08	5.84E-08	2.06E-09	7.38E-09	9.44E-09	1.11E-09	3.42E-09	4.53E-09
6111	437291.61	3762428.43	1.32E-08	4.49E-08	5.81E-08	2.05E-09	7.33E-09	9.38E-09	1.10E-09	3.40E-09	4.50E-09
6112	437309.18	3762421.05	1.3E-08	4.42E-08	5.72E-08	2.01E-09	7.22E-09	9.24E-09	1.09E-09	3.35E-09	4.44E-09
6113	437326.76	3762413.67	1.27E-08	4.34E-08	5.62E-08	1.98E-09	7.09E-09	9.07E-09	1.07E-09	3.29E-09	4.36E-09
6114	437335.55	3762409.98	1.26E-08	4.30E-08	5.56E-08	1.96E-09	7.02E-09	8.98E-09	1.06E-09	3.26E-09	4.31E-09
6115	437353.12	3762402.6	1.24E-08	4.21E-08	5.45E-08	1.92E-09	6.88E-09	8.80E-09	1.03E-09	3.19E-09	4.23E-09
6116	437063.8	3762708.61	1.86E-08	6.35E-08	8.21E-08	2.89E-09	1.04E-08	1.33E-08	1.56E-09	4.81E-09	6.37E-09
6117	437063.8	3762718.3	1.9E-08	6.47E-08	8.36E-08	2.95E-09	1.06E-08	1.35E-08	1.59E-09	4.90E-09	6.49E-09
6118	437063.8	3762728	1.93E-08	6.58E-08	8.50E-08	3.00E-09	1.07E-08	1.37E-08	1.61E-09	4.98E-09	6.60E-09
6119	437063.8	3762737.69	1.96E-08	6.67E-08	8.63E-08	3.04E-09	1.09E-08	1.39E-08	1.64E-09	5.06E-09	6.69E-09
6120	437063.8	3762747.39	1.98E-08	6.75E-08	8.74E-08	3.08E-09	1.10E-08	1.41E-08	1.66E-09	5.12E-09	6.78E-09
6121	437063.8	3762757.09	2E-08	6.82E-08	8.82E-08	3.11E-09	1.11E-08	1.43E-08	1.67E-09	5.17E-09	6.84E-09
6122	437063.8	3762766.78	2.02E-08	6.87E-08	8.89E-08	3.13E-09	1.12E-08	1.44E-08	1.69E-09	5.21E-09	6.89E-09
6123	437063.8	3762776.48	2.02E-08	6.91E-08	8.93E-08	3.15E-09	1.13E-08	1.44E-08	1.69E-09	5.23E-09	6.93E-09
6124	437063.8	3762786.17	2.03E-08	6.92E-08	8.95E-08	3.15E-09	1.13E-08	1.45E-08	1.70E-09	5.24E-09	6.94E-09
6125	437063.8	3762795.87	2.03E-08	6.92E-08	8.95E-08	3.15E-09	1.13E-08	1.45E-08	1.70E-09	5.24E-09	6.94E-09
6126	437063.8	3762805.56	2.02E-08	6.90E-08	8.92E-08	3.14E-09	1.13E-08	1.44E-08	1.69E-09	5.23E-09	6.92E-09
6127	437063.8	3762815.26	2.01E-08	6.87E-08	8.88E-08	3.13E-09	1.12E-08	1.43E-08	1.69E-09	5.20E-09	6.89E-09
6128	437063.8	3762824.96	2E-08	6.81E-08	8.81E-08	3.10E-09	1.11E-08	1.42E-08	1.67E-09	5.16E-09	6.84E-09
6129	437063.8	3762834.65	1.98E-08	6.75E-08	8.73E-08	3.07E-09	1.10E-08	1.41E-08	1.66E-09	5.11E-09	6.77E-09
6130	437063.8	3762844.35	1.95E-08	6.67E-08	8.62E-08	3.04E-09	1.09E-08	1.39E-08	1.64E-09	5.05E-09	6.69E-09
6131	437044.87	3762672.07	1.57E-08	5.34E-08	6.90E-08	2.43E-09	8.72E-09	1.12E-08	1.31E-09	4.05E-09	5.36E-09
6132	437048.56	3762663.12	1.56E-08	5.31E-08	6.86E-08	2.42E-09	8.67E-09	1.11E-08	1.30E-09	4.02E-09	5.32E-09
6133	437052.25	3762654.18	1.54E-08	5.27E-08	6.81E-08	2.40E-09	8.61E-09	1.10E-08	1.29E-09	3.99E-09	5.28E-09
6134	437055.94	3762645.23	1.53E-08	5.22E-08	6.75E-08	2.38E-09	8.53E-09	1.09E-08	1.28E-09	3.96E-09	5.24E-09
6135	437059.62	3762636.28	1.52E-08	5.17E-08	6.69E-08	2.36E-09	8.45E-09	1.08E-08	1.27E-09	3.92E-09	5.19E-09
6136	437067	3762618.39	1.48E-08	5.06E-08	6.54E-08	2.30E-09	8.26E-09	1.06E-08	1.24E-09	3.83E-09	5.07E-09
6137	437070.69	3762609.44	1.46E-08	5.00E-08	6.46E-08	2.28E-09	8.16E-09	1.04E-08	1.23E-09	3.79E-09	5.01E-09
6138	437074.38	3762600.5	1.45E-08	4.93E-08	6.38E-08	2.25E-09	8.06E-09	1.03E-08	1.21E-09	3.74E-09	4.95E-09
6139	437078.07	3762591.55	1.43E-08	4.86E-08	6.28E-08	2.21E-09	7.94E-09	1.02E-08	1.19E-09	3.68E-09	4.87E-09
6140	437081.76	3762582.61	1.4E-08	4.79E-08	6.19E-08	2.18E-09	7.82E-09	1.00E-08	1.17E-09	3.63E-09	4.80E-09
6141	437085.45	3762573.66	1.38E-08	4.71E-08	6.09E-08	2.15E-09	7.69E-09	9.84E-09	1.16E-09	3.57E-09	4.72E-09
6142	437089.14	3762564.71	1.36E-08	4.63E-08	5.99E-08	2.11E-09	7.57E-09	9.68E-09	1.14E-09	3.51E-09	4.65E-09
6143	437096.52	3762546.82	1.32E-08	4.49E-08	5.80E-08	2.05E-09	7.33E-09	9.38E-09	1.10E-09	3.40E-09	4.50E-09
6144	437100.21	3762537.87	1.29E-08	4.41E-08	5.71E-08	2.01E-09	7.21E-09	9.22E-09	1.08E-09	3.34E-09	4.43E-09
6145	437103.9	3762528.93	1.27E-08	4.33E-08	5.60E-08	1.97E-09	7.08E-09	9.05E-09	1.06E-09	3.28E-09	4.35E-09
6146	437107.59	3762519.98	1.25E-08	4.25E-08	5.50E-08	1.94E-09	6.95E-09	8.88E-09	1.04E-09	3.22E-09	4.27E-09
6147	437114.96	3762502.09	1.2E-08	4.09E-08	5.29E-08	1.86E-09	6.68E-09	8.54E-09	1.00E-09	3.10E-09	4.10E-09
6148	437118.65	3762493.14	1.17E-08	4.00E-08	5.18E-08	1.82E-09	6.54E-09	8.36E-09	9.83E-10	3.03E-09	4.02E-09
6149	437183.26	3762443.83	1.15E-08	3.93E-08	5.09E-08	1.79E-09	6.42E-09	8.22E-09	9.65E-10	2.98E-09	3.94E-09
6150	437192.18	3762440.08	1.16E-08	3.95E-08	5.11E-08	1.80E-09	6.45E-09	8.25E-09	9.69E-10	2.99E-09	3.96E-09
6151	437201.11	3762436.34	1.16E-08	3.96E-08	5.12E-08	1.80E-09	6.47E-09	8.28E-09	9.72E-10	3.00E-09	3.97E-09
6152	437210.03	3762432.59	1.16E-08	3.97E-08	5.13E-08	1.81E-09	6.48E-09	8.29E-09	9.74E-10	3.01E-09	3.98E-09
6153	437218.95	3762428.85	1.16E-08	3.97E-08	5.14E-08	1.81E-09	6.49E-09	8.30E-09	9.75E-10	3.01E-09	3.98E-09
6154	437227.88	3762425.1	1.16E-08	3.97E-08	5.13E-08	1.81E-09	6.48E-09	8.29E-09	9.74E-10	3.01E-09	3.98E-09
6155	437236.8	3762421.35	1.16E-08	3.96E-08	5.12E-08	1.80E-09	6.47E-09	8.28E-09	9.72E-10	3.00E-09	3.97E-09
6156	437245.72	3762417.61	1.16E-08	3.95E-08	5.11E-08	1.80E-09	6.45E-09	8.25E-09	9.69E-10	2.99E-09	3.96E-09
6157	437254.65	3762413.86	1.15E-08	3.93E-08	5.09E-08	1.79E-09	6.42E-09	8.22E-09	9.65E-10	2.98E-09	3.95E-09

6158	437263.57	3762410.12	1.15E-08	3.91E-08	5.06E-08	1.78E-09	6.39E-09	8.18E-09	9.61E-10	2.97E-09	3.93E-09
6159	437272.49	3762406.37	1.14E-08	3.89E-08	5.03E-08	1.77E-09	6.36E-09	8.13E-09	9.55E-10	2.95E-09	3.90E-09
6160	437281.41	3762402.63	1.13E-08	3.87E-08	5.00E-08	1.76E-09	6.32E-09	8.08E-09	9.49E-10	2.93E-09	3.88E-09
6161	437290.34	3762398.88	1.13E-08	3.84E-08	4.96E-08	1.75E-09	6.27E-09	8.02E-09	9.42E-10	2.91E-09	3.85E-09
6162	437299.26	3762395.14	1.12E-08	3.81E-08	4.92E-08	1.73E-09	6.22E-09	7.95E-09	9.34E-10	2.88E-09	3.82E-09
6163	437308.18	3762391.39	1.11E-08	3.77E-08	4.88E-08	1.72E-09	6.16E-09	7.88E-09	9.26E-10	2.86E-09	3.78E-09
6164	437317.11	3762387.64	1.1E-08	3.74E-08	4.83E-08	1.70E-09	6.10E-09	7.81E-09	9.17E-10	2.83E-09	3.75E-09
6165	437326.03	3762383.9	1.09E-08	3.70E-08	4.79E-08	1.69E-09	6.04E-09	7.73E-09	9.08E-10	2.80E-09	3.71E-09
6166	437334.95	3762380.15	1.07E-08	3.66E-08	4.74E-08	1.67E-09	5.98E-09	7.65E-09	8.99E-10	2.78E-09	3.67E-09
6167	437343.88	3762376.41	1.06E-08	3.62E-08	4.69E-08	1.65E-09	5.92E-09	7.57E-09	8.90E-10	2.75E-09	3.64E-09
6168	437352.8	3762372.66	1.05E-08	3.59E-08	4.64E-08	1.63E-09	5.86E-09	7.50E-09	8.81E-10	2.72E-09	3.60E-09
6169	437033.8	3762708.61	1.61E-08	5.49E-08	7.09E-08	2.50E-09	8.96E-09	1.15E-08	1.35E-09	4.16E-09	5.50E-09
6170	437033.8	3762718.3	1.64E-08	5.58E-08	7.21E-08	2.54E-09	9.11E-09	1.16E-08	1.37E-09	4.23E-09	5.59E-09
6171	437033.8	3762728	1.66E-08	5.66E-08	7.32E-08	2.58E-09	9.25E-09	1.18E-08	1.39E-09	4.29E-09	5.68E-09
6172	437033.8	3762737.69	1.68E-08	5.73E-08	7.41E-08	2.61E-09	9.37E-09	1.20E-08	1.41E-09	4.34E-09	5.75E-09
6173	437033.8	3762747.39	1.7E-08	5.79E-08	7.49E-08	2.64E-09	9.47E-09	1.21E-08	1.42E-09	4.39E-09	5.81E-09
6174	437033.8	3762757.09	1.71E-08	5.84E-08	7.56E-08	2.66E-09	9.55E-09	1.22E-08	1.43E-09	4.43E-09	5.86E-09
6175	437033.8	3762766.78	1.72E-08	5.88E-08	7.60E-08	2.68E-09	9.61E-09	1.23E-08	1.44E-09	4.46E-09	5.90E-09
6176	437033.8	3762776.48	1.73E-08	5.90E-08	7.63E-08	2.69E-09	9.64E-09	1.23E-08	1.45E-09	4.47E-09	5.92E-09
6177	437033.8	3762786.17	1.73E-08	5.91E-08	7.65E-08	2.69E-09	9.66E-09	1.24E-08	1.45E-09	4.48E-09	5.93E-09
6178	437033.8	3762795.87	1.73E-08	5.91E-08	7.64E-08	2.69E-09	9.66E-09	1.23E-08	1.45E-09	4.48E-09	5.93E-09
6179	437033.8	3762805.56	1.73E-08	5.90E-08	7.62E-08	2.69E-09	9.63E-09	1.23E-08	1.45E-09	4.47E-09	5.91E-09
6180	437033.8	3762815.26	1.72E-08	5.87E-08	7.59E-08	2.67E-09	9.58E-09	1.23E-08	1.44E-09	4.45E-09	5.89E-09
6181	437033.8	3762824.96	1.71E-08	5.83E-08	7.54E-08	2.66E-09	9.52E-09	1.22E-08	1.43E-09	4.42E-09	5.85E-09
6182	437033.8	3762834.65	1.69E-08	5.78E-08	7.47E-08	2.63E-09	9.44E-09	1.21E-08	1.42E-09	4.38E-09	5.80E-09
6183	437033.8	3762844.35	1.68E-08	5.71E-08	7.39E-08	2.60E-09	9.34E-09	1.19E-08	1.40E-09	4.33E-09	5.73E-09
6184	437014.62	3762672.66	1.37E-08	4.69E-08	6.06E-08	2.14E-09	7.65E-09	9.79E-09	1.15E-09	3.55E-09	4.70E-09
6185	437018.23	3762663.91	1.37E-08	4.66E-08	6.03E-08	2.13E-09	7.62E-09	9.74E-09	1.14E-09	3.53E-09	4.68E-09
6186	437021.84	3762655.16	1.36E-08	4.64E-08	6.00E-08	2.11E-09	7.57E-09	9.69E-09	1.14E-09	3.51E-09	4.65E-09
6187	437025.45	3762646.41	1.35E-08	4.60E-08	5.95E-08	2.10E-09	7.52E-09	9.62E-09	1.13E-09	3.49E-09	4.62E-09
6188	437029.06	3762637.66	1.34E-08	4.57E-08	5.91E-08	2.08E-09	7.46E-09	9.54E-09	1.12E-09	3.46E-09	4.58E-09
6189	437032.67	3762628.91	1.33E-08	4.53E-08	5.86E-08	2.06E-09	7.40E-09	9.46E-09	1.11E-09	3.43E-09	4.54E-09
6190	437036.27	3762620.16	1.32E-08	4.48E-08	5.80E-08	2.04E-09	7.33E-09	9.37E-09	1.10E-09	3.40E-09	4.50E-09
6191	437039.88	3762611.41	1.3E-08	4.44E-08	5.74E-08	2.02E-09	7.25E-09	9.27E-09	1.09E-09	3.36E-09	4.45E-09
6192	437043.49	3762602.66	1.29E-08	4.39E-08	5.68E-08	2.00E-09	7.17E-09	9.17E-09	1.08E-09	3.33E-09	4.40E-09
6193	437047.1	3762593.91	1.27E-08	4.33E-08	5.60E-08	1.97E-09	7.08E-09	9.05E-09	1.06E-09	3.28E-09	4.35E-09
6194	437050.71	3762585.16	1.25E-08	4.27E-08	5.52E-08	1.95E-09	6.98E-09	8.92E-09	1.05E-09	3.24E-09	4.28E-09
6195	437054.32	3762576.41	1.23E-08	4.21E-08	5.44E-08	1.92E-09	6.87E-09	8.79E-09	1.03E-09	3.19E-09	4.22E-09
6196	437057.92	3762567.66	1.22E-08	4.15E-08	5.36E-08	1.89E-09	6.77E-09	8.66E-09	1.02E-09	3.14E-09	4.16E-09
6197	437061.53	3762558.91	1.2E-08	4.09E-08	5.29E-08	1.86E-09	6.68E-09	8.54E-09	1.00E-09	3.10E-09	4.10E-09
6198	437065.14	3762550.16	1.18E-08	4.03E-08	5.21E-08	1.84E-09	6.59E-09	8.42E-09	9.90E-10	3.05E-09	4.04E-09
6199	437072.36	3762532.66	1.15E-08	3.92E-08	5.06E-08	1.78E-09	6.40E-09	8.18E-09	9.61E-10	2.97E-09	3.93E-09
6200	437075.97	3762523.91	1.13E-08	3.86E-08	4.99E-08	1.76E-09	6.30E-09	8.06E-09	9.47E-10	2.92E-09	3.87E-09
6201	437079.57	3762515.16	1.11E-08	3.80E-08	4.91E-08	1.73E-09	6.21E-09	7.94E-09	9.33E-10	2.88E-09	3.81E-09
6202	437083.18	3762506.41	1.1E-08	3.74E-08	4.83E-08	1.70E-09	6.11E-09	7.81E-09	9.17E-10	2.83E-09	3.75E-09
6203	437090.4	3762488.91	1.06E-08	3.61E-08	4.67E-08	1.64E-09	5.90E-09	7.54E-09	8.86E-10	2.74E-09	3.62E-09
6204	437117.17	3762441.49	9.73E-09	3.32E-08	4.29E-08	1.51E-09	5.42E-09	6.93E-09	8.14E-10	2.51E-09	3.33E-09
6205	437143.35	3762430.5	9.97E-09	3.40E-08	4.40E-08	1.55E-09	5.55E-09	7.10E-09	8.34E-10	2.58E-09	3.41E-09
6206	437178.26	3762415.85	1.01E-08	3.46E-08	4.48E-08	1.58E-09	5.65E-09	7.23E-09	8.50E-10	2.62E-09	3.47E-09
6207	437186.99	3762412.18	1.02E-08	3.47E-08	4.48E-08	1.58E-09	5.66E-09	7.24E-09	8.51E-10	2.63E-09	3.48E-09
6208	437195.71	3762408.52	1.02E-08	3.47E-08	4.49E-08	1.58E-09	5.67E-09	7.25E-09	8.52E-10	2.63E-09	3.48E-09
6209	437204.44	3762404.86	1.02E-08	3.47E-08	4.49E-08	1.58E-09	5.67E-09	7.25E-09	8.52E-10	2.63E-09	3.48E-09
6210	437213.17	3762401.19	1.02E-08	3.47E-08	4.48E-08	1.58E-09	5.66E-09	7.24E-09	8.51E-10	2.63E-09	3.48E-09
6211	437221.9	3762397.53	1.01E-08	3.46E-08	4.47E-08	1.58E-09	5.65E-09	7.22E-09	8.49E-10	2.62E-09	3.47E-09
6212	437230.62	3762393.87	1.01E-08	3.45E-08	4.46E-08	1.57E-09	5.63E-09	7.20E-09	8.46E-10	2.61E-09	3.46E-09
6213	437239.35	3762390.2	1.01E-08	3.43E-08	4.44E-08	1.56E-09	5.61E-09	7.17E-09	8.43E-10	2.60E-09	3.44E-09
6214	437248.08	3762386.54	1E-08	3.42E-08	4.42E-08	1.56E-09	5.58E-09	7.14E-09	8.39E-10	2.59E-09	3.43E-09
6215	437256.81	3762382.88	9.97E-09	3.40E-08	4.40E-08	1.55E-09	5.55E-09	7.10E-09	8.34E-10	2.58E-09	3.41E-09
6216	437265.53	3762379.21	9.9E-09	3.38E-08	4.37E-08	1.54E-09	5.52E-09	7.06E-09	8.29E-10	2.56E-09	3.39E-09
6217	437274.26	3762375.55	9.84E-09	3.35E-08	4.34E-08	1.53E-09	5.48E-09	7.01E-09	8.23E-10	2.54E-09	3.37E-09
6218	437282.99	3762371.89	9.76E-09	3.33E-08	4.31E-08	1.52E-09	5.44E-09	6.95E-09	8.17E-10	2.52E-09	3.34E-09

6219	437291.72	3762368.22	9.68E-09	3.30E-08	4.27E-08	1.50E-09	5.39E-09	6.90E-09	8.10E-10	2.50E-09	3.31E-09
6220	437300.44	3762364.56	9.6E-09	3.27E-08	4.23E-08	1.49E-09	5.35E-09	6.84E-09	8.03E-10	2.48E-09	3.28E-09
6221	437309.17	3762360.9	9.51E-09	3.24E-08	4.19E-08	1.48E-09	5.30E-09	6.78E-09	7.96E-10	2.46E-09	3.25E-09
6222	437317.9	3762357.23	9.42E-09	3.21E-08	4.15E-08	1.46E-09	5.25E-09	6.71E-09	7.88E-10	2.43E-09	3.22E-09
6223	437326.62	3762353.57	9.33E-09	3.18E-08	4.11E-08	1.45E-09	5.20E-09	6.65E-09	7.81E-10	2.41E-09	3.19E-09
6224	437335.35	3762349.91	9.24E-09	3.15E-08	4.07E-08	1.44E-09	5.15E-09	6.58E-09	7.73E-10	2.39E-09	3.16E-09
6225	437344.08	3762346.24	9.15E-09	3.12E-08	4.03E-08	1.42E-09	5.10E-09	6.52E-09	7.66E-10	2.36E-09	3.13E-09
6226	437352.81	3762342.58	9.06E-09	3.09E-08	3.99E-08	1.41E-09	5.05E-09	6.45E-09	7.58E-10	2.34E-09	3.10E-09
6227	437003.8	3762708.61	1.4E-08	4.79E-08	6.19E-08	2.18E-09	7.83E-09	1.00E-08	1.18E-09	3.63E-09	4.81E-09
6228	437003.8	3762718.3	1.43E-08	4.86E-08	6.29E-08	2.21E-09	7.94E-09	1.02E-08	1.19E-09	3.68E-09	4.88E-09
6229	437003.8	3762728	1.44E-08	4.92E-08	6.37E-08	2.24E-09	8.04E-09	1.03E-08	1.21E-09	3.73E-09	4.94E-09
6230	437003.8	3762737.69	1.46E-08	4.98E-08	6.44E-08	2.27E-09	8.14E-09	1.04E-08	1.22E-09	3.77E-09	5.00E-09
6231	437003.8	3762747.39	1.47E-08	5.03E-08	6.50E-08	2.29E-09	8.21E-09	1.05E-08	1.23E-09	3.81E-09	5.04E-09
6232	437003.8	3762757.09	1.48E-08	5.06E-08	6.55E-08	2.31E-09	8.27E-09	1.06E-08	1.24E-09	3.84E-09	5.08E-09
6233	437003.8	3762766.78	1.49E-08	5.09E-08	6.58E-08	2.32E-09	8.31E-09	1.06E-08	1.25E-09	3.86E-09	5.11E-09
6234	437003.8	3762776.48	1.5E-08	5.10E-08	6.60E-08	2.33E-09	8.34E-09	1.07E-08	1.25E-09	3.87E-09	5.12E-09
6235	437003.8	3762786.17	1.5E-08	5.11E-08	6.61E-08	2.33E-09	8.35E-09	1.07E-08	1.25E-09	3.87E-09	5.13E-09
6236	437003.8	3762795.87	1.5E-08	5.11E-08	6.60E-08	2.33E-09	8.34E-09	1.07E-08	1.25E-09	3.87E-09	5.12E-09
6237	437003.8	3762805.56	1.49E-08	5.09E-08	6.59E-08	2.32E-09	8.32E-09	1.06E-08	1.25E-09	3.86E-09	5.11E-09
6238	437003.8	3762815.26	1.49E-08	5.07E-08	6.56E-08	2.31E-09	8.28E-09	1.06E-08	1.24E-09	3.84E-09	5.09E-09
6239	437003.8	3762824.96	1.48E-08	5.04E-08	6.52E-08	2.30E-09	8.23E-09	1.05E-08	1.24E-09	3.82E-09	5.06E-09
6240	437003.8	3762834.65	1.47E-08	5.00E-08	6.47E-08	2.28E-09	8.17E-09	1.04E-08	1.23E-09	3.79E-09	5.02E-09
6241	437003.8	3762844.35	1.45E-08	4.95E-08	6.40E-08	2.26E-09	8.09E-09	1.03E-08	1.22E-09	3.75E-09	4.97E-09
6242	436984.77	3762672.31	1.22E-08	4.15E-08	5.36E-08	1.89E-09	6.77E-09	8.66E-09	1.02E-09	3.14E-09	4.16E-09
6243	436988.43	3762663.44	1.21E-08	4.13E-08	5.34E-08	1.88E-09	6.75E-09	8.63E-09	1.01E-09	3.13E-09	4.14E-09
6244	436992.08	3762654.57	1.21E-08	4.11E-08	5.32E-08	1.87E-09	6.71E-09	8.59E-09	1.01E-09	3.11E-09	4.12E-09
6245	436995.74	3762645.7	1.2E-08	4.08E-08	5.28E-08	1.86E-09	6.67E-09	8.53E-09	1.00E-09	3.09E-09	4.10E-09
6246	436999.4	3762636.84	1.19E-08	4.06E-08	5.24E-08	1.85E-09	6.62E-09	8.47E-09	9.95E-10	3.07E-09	4.07E-09
6247	437003.05	3762627.97	1.18E-08	4.02E-08	5.20E-08	1.83E-09	6.57E-09	8.40E-09	9.87E-10	3.05E-09	4.03E-09
6248	437006.71	3762619.1	1.17E-08	3.99E-08	5.16E-08	1.82E-09	6.51E-09	8.33E-09	9.78E-10	3.02E-09	4.00E-09
6249	437010.37	3762610.23	1.16E-08	3.95E-08	5.11E-08	1.80E-09	6.45E-09	8.25E-09	9.69E-10	2.99E-09	3.96E-09
6250	437014.03	3762601.36	1.15E-08	3.91E-08	5.06E-08	1.78E-09	6.39E-09	8.17E-09	9.59E-10	2.96E-09	3.92E-09
6251	437017.68	3762592.5	1.13E-08	3.86E-08	5.00E-08	1.76E-09	6.31E-09	8.07E-09	9.49E-10	2.93E-09	3.88E-09
6252	437021.34	3762583.63	1.12E-08	3.82E-08	4.93E-08	1.74E-09	6.23E-09	7.97E-09	9.37E-10	2.89E-09	3.83E-09
6253	437025	3762574.76	1.1E-08	3.76E-08	4.87E-08	1.71E-09	6.15E-09	7.86E-09	9.24E-10	2.85E-09	3.78E-09
6254	437028.65	3762565.89	1.09E-08	3.71E-08	4.80E-08	1.69E-09	6.06E-09	7.75E-09	9.11E-10	2.81E-09	3.72E-09
6255	437032.31	3762557.02	1.07E-08	3.66E-08	4.74E-08	1.67E-09	5.98E-09	7.65E-09	8.99E-10	2.77E-09	3.67E-09
6256	437035.97	3762548.16	1.06E-08	3.61E-08	4.67E-08	1.65E-09	5.90E-09	7.55E-09	8.87E-10	2.74E-09	3.62E-09
6257	437039.62	3762539.29	1.05E-08	3.56E-08	4.61E-08	1.62E-09	5.82E-09	7.45E-09	8.75E-10	2.70E-09	3.58E-09
6258	437043.28	3762530.42	1.03E-08	3.52E-08	4.55E-08	1.60E-09	5.75E-09	7.35E-09	8.63E-10	2.66E-09	3.53E-09
6259	437046.94	3762521.55	1.02E-08	3.47E-08	4.49E-08	1.58E-09	5.67E-09	7.25E-09	8.52E-10	2.63E-09	3.48E-09
6260	437050.59	3762512.69	1E-08	3.42E-08	4.43E-08	1.56E-09	5.59E-09	7.15E-09	8.40E-10	2.59E-09	3.43E-09
6261	437054.25	3762503.82	9.89E-09	3.37E-08	4.36E-08	1.54E-09	5.51E-09	7.05E-09	8.28E-10	2.56E-09	3.38E-09
6262	437057.91	3762494.95	9.74E-09	3.32E-08	4.30E-08	1.51E-09	5.43E-09	6.94E-09	8.15E-10	2.52E-09	3.33E-09
6263	437076.19	3762450.61	8.96E-09	3.06E-08	3.95E-08	1.39E-09	4.99E-09	6.38E-09	7.50E-10	2.32E-09	3.07E-09
6264	437079.85	3762441.74	8.81E-09	3.00E-08	3.88E-08	1.37E-09	4.91E-09	6.28E-09	7.37E-10	2.28E-09	3.01E-09
6265	437083.5	3762432.88	8.66E-09	2.95E-08	3.82E-08	1.34E-09	4.82E-09	6.17E-09	7.25E-10	2.24E-09	2.96E-09
6266	437096.01	3762420.3	8.59E-09	2.93E-08	3.79E-08	1.33E-09	4.78E-09	6.12E-09	7.19E-10	2.22E-09	2.94E-09
6267	437131.38	3762405.44	8.84E-09	3.01E-08	3.90E-08	1.37E-09	4.92E-09	6.30E-09	7.40E-10	2.28E-09	3.02E-09
6268	437140.23	3762401.73	8.88E-09	3.03E-08	3.92E-08	1.38E-09	4.95E-09	6.33E-09	7.43E-10	2.29E-09	3.04E-09
6269	437149.07	3762398.02	8.91E-09	3.04E-08	3.93E-08	1.38E-09	4.96E-09	6.35E-09	7.46E-10	2.30E-09	3.05E-09
6270	437184.45	3762383.17	8.96E-09	3.06E-08	3.95E-08	1.39E-09	4.99E-09	6.39E-09	7.50E-10	2.32E-09	3.07E-09
6271	437193.3	3762379.46	8.96E-09	3.05E-08	3.95E-08	1.39E-09	4.99E-09	6.38E-09	7.50E-10	2.31E-09	3.06E-09
6272	437202.14	3762375.74	8.94E-09	3.05E-08	3.94E-08	1.39E-09	4.98E-09	6.37E-09	7.48E-10	2.31E-09	3.06E-09
6273	437210.99	3762372.03	8.92E-09	3.04E-08	3.93E-08	1.39E-09	4.97E-09	6.35E-09	7.47E-10	2.30E-09	3.05E-09
6274	437219.83	3762368.32	8.89E-09	3.03E-08	3.92E-08	1.38E-09	4.95E-09	6.33E-09	7.44E-10	2.30E-09	3.04E-09
6275	437228.68	3762364.61	8.85E-09	3.02E-08	3.90E-08	1.38E-09	4.93E-09	6.31E-09	7.41E-10	2.29E-09	3.03E-09
6276	437237.52	3762360.89	8.8E-09	3.00E-08	3.88E-08	1.37E-09	4.90E-09	6.27E-09	7.36E-10	2.27E-09	3.01E-09
6277	437246.36	3762357.18	8.75E-09	2.98E-08	3.86E-08	1.36E-09	4.87E-09	6.23E-09	7.32E-10	2.26E-09	2.99E-09
6278	437255.21	3762353.47	8.69E-09	2.96E-08	3.83E-08	1.35E-09	4.84E-09	6.19E-09	7.28E-10	2.25E-09	2.97E-09
6279	437264.05	3762349.76	8.63E-09	2.94E-08	3.81E-08	1.34E-09	4.81E-09	6.15E-09	7.23E-10	2.23E-09	2.95E-09

6280	437272.9	3762346.04	8.57E-09	2.92E-08	3.78E-08	1.33E-09	4.77E-09	6.10E-09	7.17E-10	2.21E-09	2.93E-09
6281	437281.74	3762342.33	8.5E-09	2.90E-08	3.75E-08	1.32E-09	4.73E-09	6.05E-09	7.11E-10	2.20E-09	2.91E-09
6282	437290.59	3762338.62	8.42E-09	2.87E-08	3.71E-08	1.31E-09	4.69E-09	6.00E-09	7.05E-10	2.18E-09	2.88E-09
6283	437299.43	3762334.91	8.35E-09	2.85E-08	3.68E-08	1.30E-09	4.65E-09	5.95E-09	6.99E-10	2.16E-09	2.86E-09
6284	437308.28	3762331.19	8.27E-09	2.82E-08	3.65E-08	1.28E-09	4.61E-09	5.89E-09	6.92E-10	2.14E-09	2.83E-09
6285	437317.12	3762327.48	8.19E-09	2.79E-08	3.61E-08	1.27E-09	4.56E-09	5.83E-09	6.85E-10	2.12E-09	2.80E-09
6286	437325.97	3762323.77	8.11E-09	2.77E-08	3.58E-08	1.26E-09	4.52E-09	5.78E-09	6.79E-10	2.10E-09	2.77E-09
6287	437334.81	3762320.06	8.03E-09	2.74E-08	3.54E-08	1.25E-09	4.47E-09	5.72E-09	6.72E-10	2.08E-09	2.75E-09
6288	437343.66	3762316.34	7.95E-09	2.71E-08	3.51E-08	1.24E-09	4.43E-09	5.67E-09	6.66E-10	2.06E-09	2.72E-09
6289	437352.5	3762312.63	7.88E-09	2.69E-08	3.47E-08	1.22E-09	4.39E-09	5.61E-09	6.59E-10	2.04E-09	2.70E-09
6290	436973.8	3762708.61	1.24E-08	4.22E-08	5.46E-08	1.92E-09	6.90E-09	8.82E-09	1.04E-09	3.20E-09	4.23E-09
6291	436973.8	3762718.3	1.25E-08	4.27E-08	5.53E-08	1.95E-09	6.98E-09	8.93E-09	1.05E-09	3.24E-09	4.29E-09
6292	436973.8	3762728	1.27E-08	4.32E-08	5.59E-08	1.97E-09	7.06E-09	9.03E-09	1.06E-09	3.28E-09	4.34E-09
6293	436973.8	3762737.69	1.28E-08	4.37E-08	5.65E-08	1.99E-09	7.13E-09	9.12E-09	1.07E-09	3.31E-09	4.38E-09
6294	436973.8	3762747.39	1.29E-08	4.40E-08	5.69E-08	2.00E-09	7.19E-09	9.19E-09	1.08E-09	3.33E-09	4.41E-09
6295	436973.8	3762757.09	1.3E-08	4.43E-08	5.73E-08	2.02E-09	7.23E-09	9.25E-09	1.09E-09	3.36E-09	4.44E-09
6296	436973.8	3762766.78	1.3E-08	4.45E-08	5.75E-08	2.03E-09	7.27E-09	9.29E-09	1.09E-09	3.37E-09	4.46E-09
6297	436973.8	3762776.48	1.31E-08	4.46E-08	5.77E-08	2.03E-09	7.28E-09	9.32E-09	1.09E-09	3.38E-09	4.47E-09
6298	436973.8	3762786.17	1.31E-08	4.46E-08	5.77E-08	2.03E-09	7.29E-09	9.32E-09	1.10E-09	3.38E-09	4.48E-09
6299	436973.8	3762795.87	1.31E-08	4.46E-08	5.77E-08	2.03E-09	7.28E-09	9.32E-09	1.09E-09	3.38E-09	4.47E-09
6300	436973.8	3762805.56	1.3E-08	4.45E-08	5.75E-08	2.03E-09	7.27E-09	9.29E-09	1.09E-09	3.37E-09	4.46E-09
6301	436973.8	3762815.26	1.3E-08	4.43E-08	5.73E-08	2.02E-09	7.24E-09	9.25E-09	1.09E-09	3.36E-09	4.44E-09
6302	436973.8	3762824.96	1.29E-08	4.40E-08	5.69E-08	2.01E-09	7.19E-09	9.20E-09	1.08E-09	3.34E-09	4.42E-09
6303	436973.8	3762834.65	1.28E-08	4.37E-08	5.65E-08	1.99E-09	7.14E-09	9.13E-09	1.07E-09	3.31E-09	4.39E-09
6304	436973.8	3762844.35	1.27E-08	4.33E-08	5.60E-08	1.97E-09	7.08E-09	9.05E-09	1.06E-09	3.28E-09	4.35E-09
6305	436954.57	3762672.79	1.08E-08	3.70E-08	4.78E-08	1.68E-09	6.04E-09	7.72E-09	9.08E-10	2.80E-09	3.71E-09
6306	436958.16	3762664.08	1.08E-08	3.69E-08	4.77E-08	1.68E-09	6.02E-09	7.70E-09	9.05E-10	2.79E-09	3.70E-09
6307	436961.75	3762655.37	1.08E-08	3.67E-08	4.75E-08	1.67E-09	6.00E-09	7.67E-09	9.01E-10	2.78E-09	3.68E-09
6308	436965.34	3762646.67	1.07E-08	3.65E-08	4.73E-08	1.67E-09	5.97E-09	7.64E-09	8.97E-10	2.77E-09	3.67E-09
6309	436968.93	3762637.96	1.07E-08	3.63E-08	4.70E-08	1.66E-09	5.94E-09	7.59E-09	8.92E-10	2.75E-09	3.65E-09
6310	436972.53	3762629.25	1.06E-08	3.61E-08	4.67E-08	1.64E-09	5.90E-09	7.54E-09	8.86E-10	2.73E-09	3.62E-09
6311	436976.12	3762620.54	1.05E-08	3.58E-08	4.63E-08	1.63E-09	5.85E-09	7.48E-09	8.79E-10	2.71E-09	3.59E-09
6312	436979.71	3762611.84	1.04E-08	3.55E-08	4.59E-08	1.62E-09	5.80E-09	7.42E-09	8.72E-10	2.69E-09	3.56E-09
6313	436983.3	3762603.13	1.03E-08	3.52E-08	4.55E-08	1.60E-09	5.75E-09	7.36E-09	8.64E-10	2.67E-09	3.53E-09
6314	436986.89	3762594.42	1.02E-08	3.49E-08	4.51E-08	1.59E-09	5.70E-09	7.28E-09	8.56E-10	2.64E-09	3.50E-09
6315	436990.48	3762585.71	1.01E-08	3.45E-08	4.46E-08	1.57E-09	5.64E-09	7.21E-09	8.47E-10	2.61E-09	3.46E-09
6316	436994.07	3762577.01	1E-08	3.41E-08	4.41E-08	1.56E-09	5.57E-09	7.13E-09	8.38E-10	2.59E-09	3.42E-09
6317	436997.66	3762568.3	9.89E-09	3.37E-08	4.36E-08	1.54E-09	5.51E-09	7.05E-09	8.28E-10	2.56E-09	3.38E-09
6318	437001.25	3762559.59	9.77E-09	3.33E-08	4.31E-08	1.52E-09	5.44E-09	6.96E-09	8.18E-10	2.52E-09	3.34E-09
6319	437004.84	3762550.89	9.64E-09	3.29E-08	4.25E-08	1.50E-09	5.37E-09	6.87E-09	8.07E-10	2.49E-09	3.30E-09
6320	437008.43	3762542.18	9.52E-09	3.25E-08	4.20E-08	1.48E-09	5.30E-09	6.78E-09	7.97E-10	2.46E-09	3.26E-09
6321	437012.02	3762533.47	9.4E-09	3.20E-08	4.14E-08	1.46E-09	5.24E-09	6.70E-09	7.87E-10	2.43E-09	3.21E-09
6322	437015.61	3762524.76	9.28E-09	3.17E-08	4.09E-08	1.44E-09	5.17E-09	6.61E-09	7.77E-10	2.40E-09	3.18E-09
6323	437019.2	3762516.06	9.17E-09	3.13E-08	4.04E-08	1.42E-09	5.11E-09	6.53E-09	7.67E-10	2.37E-09	3.14E-09
6324	437022.79	3762507.35	9.05E-09	3.09E-08	3.99E-08	1.41E-09	5.04E-09	6.45E-09	7.57E-10	2.34E-09	3.10E-09
6325	437029.98	3762489.93	8.81E-09	3.00E-08	3.88E-08	1.37E-09	4.91E-09	6.27E-09	7.37E-10	2.28E-09	3.01E-09
6326	437047.93	3762446.4	8.18E-09	2.79E-08	3.61E-08	1.27E-09	4.56E-09	5.83E-09	6.85E-10	2.11E-09	2.80E-09
6327	437051.52	3762437.69	8.06E-09	2.75E-08	3.56E-08	1.25E-09	4.49E-09	5.74E-09	6.75E-10	2.08E-09	2.76E-09
6328	437055.11	3762428.98	7.94E-09	2.71E-08	3.50E-08	1.23E-09	4.42E-09	5.66E-09	6.65E-10	2.05E-09	2.72E-09
6329	437058.7	3762420.28	7.82E-09	2.67E-08	3.45E-08	1.21E-09	4.36E-09	5.57E-09	6.54E-10	2.02E-09	2.67E-09
6330	437074.57	3762399.22	7.62E-09	2.60E-08	3.36E-08	1.18E-09	4.25E-09	5.43E-09	6.38E-10	1.97E-09	2.61E-09
6331	437100.62	3762388.28	7.79E-09	2.66E-08	3.44E-08	1.21E-09	4.34E-09	5.55E-09	6.52E-10	2.01E-09	2.67E-09
6332	437109.3	3762384.63	7.84E-09	2.67E-08	3.46E-08	1.22E-09	4.37E-09	5.58E-09	6.56E-10	2.03E-09	2.68E-09
6333	437117.99	3762380.99	7.88E-09	2.69E-08	3.47E-08	1.22E-09	4.39E-09	5.61E-09	6.59E-10	2.04E-09	2.69E-09
6334	437126.67	3762377.34	7.91E-09	2.70E-08	3.49E-08	1.23E-09	4.41E-09	5.63E-09	6.62E-10	2.04E-09	2.71E-09
6335	437135.36	3762373.7	7.93E-09	2.71E-08	3.50E-08	1.23E-09	4.42E-09	5.65E-09	6.64E-10	2.05E-09	2.71E-09
6336	437144.04	3762370.05	7.95E-09	2.71E-08	3.51E-08	1.24E-09	4.43E-09	5.66E-09	6.65E-10	2.05E-09	2.72E-09
6337	437178.78	3762355.47	7.94E-09	2.71E-08	3.50E-08	1.23E-09	4.42E-09	5.65E-09	6.64E-10	2.05E-09	2.72E-09
6338	437187.47	3762351.83	7.92E-09	2.70E-08	3.49E-08	1.23E-09	4.41E-09	5.64E-09	6.63E-10	2.05E-09	2.71E-09
6339	437196.15	3762348.18	7.9E-09	2.69E-08	3.48E-08	1.23E-09	4.40E-09	5.63E-09	6.61E-10	2.04E-09	2.70E-09
6340	437204.83	3762344.54	7.88E-09	2.69E-08	3.47E-08	1.22E-09	4.39E-09	5.61E-09	6.59E-10	2.04E-09	2.69E-09

6341	437213.52	3762340.89	7.84E-09	2.67E-08	3.46E-08	1.22E-09	4.37E-09	5.59E-09	6.57E-10	2.03E-09	2.68E-09
6342	437222.2	3762337.24	7.81E-09	2.66E-08	3.44E-08	1.21E-09	4.35E-09	5.56E-09	6.54E-10	2.02E-09	2.67E-09
6343	437230.89	3762333.6	7.77E-09	2.65E-08	3.43E-08	1.21E-09	4.33E-09	5.53E-09	6.50E-10	2.01E-09	2.66E-09
6344	437239.57	3762329.95	7.72E-09	2.63E-08	3.41E-08	1.20E-09	4.30E-09	5.50E-09	6.46E-10	2.00E-09	2.64E-09
6345	437248.26	3762326.31	7.67E-09	2.62E-08	3.38E-08	1.19E-09	4.27E-09	5.47E-09	6.42E-10	1.98E-09	2.62E-09
6346	437256.94	3762322.66	7.62E-09	2.60E-08	3.36E-08	1.18E-09	4.24E-09	5.43E-09	6.38E-10	1.97E-09	2.61E-09
6347	437265.63	3762319.02	7.56E-09	2.58E-08	3.33E-08	1.17E-09	4.21E-09	5.39E-09	6.33E-10	1.95E-09	2.59E-09
6348	437274.31	3762315.37	7.5E-09	2.56E-08	3.31E-08	1.17E-09	4.18E-09	5.34E-09	6.28E-10	1.94E-09	2.56E-09
6349	437283	3762311.73	7.44E-09	2.54E-08	3.28E-08	1.16E-09	4.14E-09	5.30E-09	6.22E-10	1.92E-09	2.54E-09
6350	437291.68	3762308.08	7.37E-09	2.51E-08	3.25E-08	1.15E-09	4.11E-09	5.25E-09	6.17E-10	1.90E-09	2.52E-09
6351	437300.36	3762304.44	7.3E-09	2.49E-08	3.22E-08	1.13E-09	4.07E-09	5.20E-09	6.11E-10	1.89E-09	2.50E-09
6352	437309.05	3762300.79	7.24E-09	2.47E-08	3.19E-08	1.12E-09	4.03E-09	5.16E-09	6.06E-10	1.87E-09	2.48E-09
6353	437317.73	3762297.15	7.17E-09	2.45E-08	3.16E-08	1.11E-09	3.99E-09	5.11E-09	6.00E-10	1.85E-09	2.45E-09
6354	437326.42	3762293.5	7.1E-09	2.42E-08	3.13E-08	1.10E-09	3.96E-09	5.06E-09	5.95E-10	1.84E-09	2.43E-09
6355	437335.1	3762289.85	7.04E-09	2.40E-08	3.10E-08	1.09E-09	3.92E-09	5.02E-09	5.89E-10	1.82E-09	2.41E-09
6356	437343.79	3762286.21	6.98E-09	2.38E-08	3.08E-08	1.08E-09	3.89E-09	4.97E-09	5.84E-10	1.80E-09	2.39E-09
6357	437352.47	3762282.56	6.92E-09	2.36E-08	3.05E-08	1.07E-09	3.85E-09	4.93E-09	5.79E-10	1.79E-09	2.37E-09
6358	436943.8	3762708.61	1.1E-08	3.75E-08	4.85E-08	1.71E-09	6.12E-09	7.83E-09	9.20E-10	2.84E-09	3.76E-09
6359	436943.8	3762718.3	1.11E-08	3.79E-08	4.90E-08	1.73E-09	6.19E-09	7.92E-09	9.30E-10	2.87E-09	3.80E-09
6360	436943.8	3762728	1.12E-08	3.83E-08	4.95E-08	1.74E-09	6.25E-09	8.00E-09	9.39E-10	2.90E-09	3.84E-09
6361	436943.8	3762737.69	1.13E-08	3.86E-08	4.99E-08	1.76E-09	6.30E-09	8.06E-09	9.47E-10	2.92E-09	3.87E-09
6362	436943.8	3762747.39	1.14E-08	3.88E-08	5.02E-08	1.77E-09	6.35E-09	8.12E-09	9.53E-10	2.94E-09	3.90E-09
6363	436943.8	3762757.09	1.15E-08	3.91E-08	5.05E-08	1.78E-09	6.38E-09	8.16E-09	9.59E-10	2.96E-09	3.92E-09
6364	436943.8	3762766.78	1.15E-08	3.92E-08	5.07E-08	1.79E-09	6.40E-09	8.19E-09	9.62E-10	2.97E-09	3.93E-09
6365	436943.8	3762776.48	1.15E-08	3.93E-08	5.08E-08	1.79E-09	6.42E-09	8.21E-09	9.64E-10	2.98E-09	3.94E-09
6366	436943.8	3762786.17	1.15E-08	3.93E-08	5.08E-08	1.79E-09	6.42E-09	8.21E-09	9.65E-10	2.98E-09	3.94E-09
6367	436943.8	3762795.87	1.15E-08	3.93E-08	5.08E-08	1.79E-09	6.42E-09	8.20E-09	9.64E-10	2.98E-09	3.94E-09
6368	436943.8	3762805.56	1.15E-08	3.92E-08	5.07E-08	1.78E-09	6.40E-09	8.18E-09	9.61E-10	2.97E-09	3.93E-09
6369	436943.8	3762815.26	1.14E-08	3.90E-08	5.05E-08	1.78E-09	6.37E-09	8.15E-09	9.58E-10	2.96E-09	3.91E-09
6370	436943.8	3762824.96	1.14E-08	3.88E-08	5.02E-08	1.77E-09	6.34E-09	8.11E-09	9.53E-10	2.94E-09	3.89E-09
6371	436943.8	3762834.65	1.13E-08	3.86E-08	4.99E-08	1.76E-09	6.30E-09	8.05E-09	9.46E-10	2.92E-09	3.87E-09
6372	436943.8	3762844.35	1.12E-08	3.82E-08	4.95E-08	1.74E-09	6.25E-09	7.99E-09	9.39E-10	2.90E-09	3.84E-09
6373	436924.7	3762672.48	9.72E-09	3.32E-08	4.29E-08	1.51E-09	5.42E-09	6.93E-09	8.14E-10	2.51E-09	3.33E-09
6374	436928.33	3762663.67	9.7E-09	3.31E-08	4.28E-08	1.51E-09	5.41E-09	6.91E-09	8.12E-10	2.51E-09	3.32E-09
6375	436931.97	3762654.86	9.67E-09	3.30E-08	4.27E-08	1.50E-09	5.39E-09	6.89E-09	8.10E-10	2.50E-09	3.31E-09
6376	436935.6	3762646.04	9.63E-09	3.29E-08	4.25E-08	1.50E-09	5.37E-09	6.86E-09	8.06E-10	2.49E-09	3.30E-09
6377	436939.23	3762637.23	9.59E-09	3.27E-08	4.23E-08	1.49E-09	5.34E-09	6.83E-09	8.02E-10	2.48E-09	3.28E-09
6378	436942.87	3762628.42	9.53E-09	3.25E-08	4.20E-08	1.48E-09	5.31E-09	6.79E-09	7.98E-10	2.46E-09	3.26E-09
6379	436946.5	3762619.61	9.47E-09	3.23E-08	4.18E-08	1.47E-09	5.27E-09	6.75E-09	7.92E-10	2.45E-09	3.24E-09
6380	436950.13	3762610.8	9.4E-09	3.21E-08	4.14E-08	1.46E-09	5.24E-09	6.70E-09	7.87E-10	2.43E-09	3.22E-09
6381	436953.77	3762601.99	9.32E-09	3.18E-08	4.11E-08	1.45E-09	5.19E-09	6.64E-09	7.80E-10	2.41E-09	3.19E-09
6382	436957.4	3762593.18	9.24E-09	3.15E-08	4.08E-08	1.44E-09	5.15E-09	6.58E-09	7.73E-10	2.39E-09	3.16E-09
6383	436964.67	3762575.56	9.06E-09	3.09E-08	4.00E-08	1.41E-09	5.05E-09	6.46E-09	7.58E-10	2.34E-09	3.10E-09
6384	436968.3	3762566.75	8.97E-09	3.06E-08	3.95E-08	1.39E-09	5.00E-09	6.39E-09	7.51E-10	2.32E-09	3.07E-09
6385	436971.93	3762557.93	8.87E-09	3.02E-08	3.91E-08	1.38E-09	4.94E-09	6.32E-09	7.42E-10	2.29E-09	3.03E-09
6386	436975.57	3762549.12	8.77E-09	2.99E-08	3.87E-08	1.36E-09	4.88E-09	6.25E-09	7.34E-10	2.27E-09	3.00E-09
6387	436982.83	3762531.5	8.56E-09	2.92E-08	3.78E-08	1.33E-09	4.77E-09	6.10E-09	7.17E-10	2.21E-09	2.93E-09
6388	436986.47	3762522.69	8.46E-09	2.89E-08	3.73E-08	1.32E-09	4.71E-09	6.03E-09	7.08E-10	2.19E-09	2.90E-09
6389	436990.1	3762513.88	8.36E-09	2.85E-08	3.69E-08	1.30E-09	4.66E-09	5.96E-09	7.00E-10	2.16E-09	2.86E-09
6390	436993.73	3762505.07	8.26E-09	2.82E-08	3.64E-08	1.28E-09	4.60E-09	5.88E-09	6.91E-10	2.13E-09	2.82E-09
6391	436997.37	3762496.26	8.15E-09	2.78E-08	3.59E-08	1.27E-09	4.54E-09	5.80E-09	6.82E-10	2.11E-09	2.79E-09
6392	437015.53	3762452.2	7.63E-09	2.60E-08	3.36E-08	1.18E-09	4.25E-09	5.43E-09	6.38E-10	1.97E-09	2.61E-09
6393	437019.17	3762443.39	7.53E-09	2.57E-08	3.32E-08	1.17E-09	4.19E-09	5.36E-09	6.30E-10	1.94E-09	2.57E-09
6394	437022.8	3762434.58	7.43E-09	2.53E-08	3.28E-08	1.15E-09	4.14E-09	5.29E-09	6.22E-10	1.92E-09	2.54E-09
6395	437030.07	3762416.96	7.22E-09	2.46E-08	3.18E-08	1.12E-09	4.02E-09	5.14E-09	6.04E-10	1.87E-09	2.47E-09
6396	437033.7	3762408.15	7.11E-09	2.43E-08	3.14E-08	1.11E-09	3.96E-09	5.07E-09	5.95E-10	1.84E-09	2.43E-09
6397	437037.34	3762399.34	7E-09	2.39E-08	3.09E-08	1.09E-09	3.90E-09	4.99E-09	5.86E-10	1.81E-09	2.40E-09
6398	437040.97	3762390.53	6.89E-09	2.35E-08	3.04E-08	1.07E-09	3.84E-09	4.91E-09	5.77E-10	1.78E-09	2.36E-09
6399	437053.39	3762378.03	6.83E-09	2.33E-08	3.01E-08	1.06E-09	3.80E-09	4.86E-09	5.71E-10	1.76E-09	2.34E-09
6400	437088.54	3762363.27	7E-09	2.39E-08	3.08E-08	1.09E-09	3.90E-09	4.98E-09	5.86E-10	1.81E-09	2.39E-09
6401	437097.33	3762359.58	7.03E-09	2.40E-08	3.10E-08	1.09E-09	3.91E-09	5.01E-09	5.88E-10	1.82E-09	2.40E-09

6402	437106.12	3762355.89	7.05E-09	2.40E-08	3.11E-08	1.10E-09	3.93E-09	5.02E-09	5.90E-10	1.82E-09	2.41E-09
6403	437114.91	3762352.2	7.06E-09	2.41E-08	3.12E-08	1.10E-09	3.94E-09	5.03E-09	5.91E-10	1.83E-09	2.42E-09
6404	437123.69	3762348.52	7.07E-09	2.41E-08	3.12E-08	1.10E-09	3.94E-09	5.04E-09	5.92E-10	1.83E-09	2.42E-09
6405	437132.48	3762344.83	7.08E-09	2.41E-08	3.12E-08	1.10E-09	3.94E-09	5.04E-09	5.92E-10	1.83E-09	2.42E-09
6406	437141.27	3762341.14	7.08E-09	2.42E-08	3.12E-08	1.10E-09	3.95E-09	5.05E-09	5.93E-10	1.83E-09	2.42E-09
6407	437185.21	3762322.69	7.05E-09	2.40E-08	3.11E-08	1.10E-09	3.93E-09	5.02E-09	5.90E-10	1.82E-09	2.41E-09
6408	437194	3762319.01	7.03E-09	2.40E-08	3.10E-08	1.09E-09	3.92E-09	5.01E-09	5.88E-10	1.82E-09	2.40E-09
6409	437202.78	3762315.32	7E-09	2.39E-08	3.09E-08	1.09E-09	3.90E-09	4.99E-09	5.86E-10	1.81E-09	2.39E-09
6410	437211.57	3762311.63	6.97E-09	2.38E-08	3.07E-08	1.08E-09	3.88E-09	4.96E-09	5.83E-10	1.80E-09	2.38E-09
6411	437220.36	3762307.94	6.93E-09	2.36E-08	3.06E-08	1.08E-09	3.86E-09	4.94E-09	5.80E-10	1.79E-09	2.37E-09
6412	437229.15	3762304.25	6.89E-09	2.35E-08	3.04E-08	1.07E-09	3.84E-09	4.91E-09	5.76E-10	1.78E-09	2.36E-09
6413	437237.94	3762300.56	6.84E-09	2.33E-08	3.02E-08	1.06E-09	3.81E-09	4.87E-09	5.72E-10	1.77E-09	2.34E-09
6414	437246.72	3762296.87	6.79E-09	2.32E-08	2.99E-08	1.05E-09	3.78E-09	4.84E-09	5.68E-10	1.75E-09	2.32E-09
6415	437255.51	3762293.18	6.74E-09	2.30E-08	2.97E-08	1.05E-09	3.75E-09	4.80E-09	5.64E-10	1.74E-09	2.30E-09
6416	437264.3	3762289.5	6.68E-09	2.28E-08	2.95E-08	1.04E-09	3.72E-09	4.76E-09	5.59E-10	1.73E-09	2.29E-09
6417	437273.09	3762285.81	6.63E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.72E-09	5.55E-10	1.71E-09	2.27E-09
6418	437281.88	3762282.12	6.57E-09	2.24E-08	2.90E-08	1.02E-09	3.66E-09	4.68E-09	5.50E-10	1.70E-09	2.25E-09
6419	437290.66	3762278.43	6.51E-09	2.22E-08	2.87E-08	1.01E-09	3.63E-09	4.64E-09	5.45E-10	1.68E-09	2.23E-09
6420	437299.45	3762274.74	6.45E-09	2.20E-08	2.85E-08	1.00E-09	3.60E-09	4.60E-09	5.40E-10	1.67E-09	2.21E-09
6421	437308.24	3762271.05	6.4E-09	2.18E-08	2.82E-08	9.94E-10	3.56E-09	4.56E-09	5.36E-10	1.65E-09	2.19E-09
6422	437317.03	3762267.36	6.34E-09	2.16E-08	2.80E-08	9.85E-10	3.53E-09	4.52E-09	5.31E-10	1.64E-09	2.17E-09
6423	437325.82	3762263.67	6.29E-09	2.14E-08	2.77E-08	9.77E-10	3.50E-09	4.48E-09	5.26E-10	1.62E-09	2.15E-09
6424	437334.6	3762259.99	6.23E-09	2.12E-08	2.75E-08	9.68E-10	3.47E-09	4.44E-09	5.21E-10	1.61E-09	2.13E-09
6425	437343.39	3762256.3	6.18E-09	2.11E-08	2.72E-08	9.60E-10	3.44E-09	4.40E-09	5.17E-10	1.60E-09	2.11E-09
6426	437352.18	3762252.61	6.13E-09	2.09E-08	2.70E-08	9.52E-10	3.41E-09	4.36E-09	5.13E-10	1.58E-09	2.10E-09
6427	436913.8	3762708.61	9.82E-09	3.35E-08	4.33E-08	1.53E-09	5.47E-09	7.00E-09	8.22E-10	2.54E-09	3.36E-09
6428	436913.8	3762718.3	9.92E-09	3.38E-08	4.37E-08	1.54E-09	5.53E-09	7.07E-09	8.30E-10	2.56E-09	3.39E-09
6429	436913.8	3762728	1E-08	3.41E-08	4.41E-08	1.55E-09	5.57E-09	7.13E-09	8.37E-10	2.58E-09	3.42E-09
6430	436913.8	3762737.69	1.01E-08	3.44E-08	4.44E-08	1.57E-09	5.61E-09	7.18E-09	8.43E-10	2.60E-09	3.45E-09
6431	436913.8	3762747.39	1.01E-08	3.46E-08	4.47E-08	1.57E-09	5.64E-09	7.22E-09	8.48E-10	2.62E-09	3.47E-09
6432	436913.8	3762757.09	1.02E-08	3.47E-08	4.49E-08	1.58E-09	5.67E-09	7.25E-09	8.52E-10	2.63E-09	3.48E-09
6433	436913.8	3762766.78	1.02E-08	3.48E-08	4.50E-08	1.59E-09	5.69E-09	7.27E-09	8.54E-10	2.64E-09	3.49E-09
6434	436913.8	3762776.48	1.02E-08	3.49E-08	4.51E-08	1.59E-09	5.70E-09	7.28E-09	8.56E-10	2.64E-09	3.50E-09
6435	436913.8	3762786.17	1.02E-08	3.49E-08	4.51E-08	1.59E-09	5.70E-09	7.28E-09	8.56E-10	2.64E-09	3.50E-09
6436	436913.8	3762795.87	1.02E-08	3.48E-08	4.50E-08	1.59E-09	5.69E-09	7.28E-09	8.55E-10	2.64E-09	3.49E-09
6437	436913.8	3762805.56	1.02E-08	3.47E-08	4.49E-08	1.58E-09	5.68E-09	7.26E-09	8.53E-10	2.63E-09	3.49E-09
6438	436913.8	3762815.26	1.02E-08	3.46E-08	4.48E-08	1.58E-09	5.65E-09	7.23E-09	8.50E-10	2.62E-09	3.47E-09
6439	436913.8	3762824.96	1.01E-08	3.45E-08	4.46E-08	1.57E-09	5.63E-09	7.20E-09	8.46E-10	2.61E-09	3.46E-09
6440	436913.8	3762834.65	1E-08	3.42E-08	4.43E-08	1.56E-09	5.60E-09	7.16E-09	8.41E-10	2.60E-09	3.44E-09
6441	436913.8	3762844.35	9.97E-09	3.40E-08	4.40E-08	1.55E-09	5.55E-09	7.10E-09	8.35E-10	2.58E-09	3.41E-09
6442	436894.81	3762672.2	8.76E-09	2.99E-08	3.86E-08	1.36E-09	4.88E-09	6.24E-09	7.33E-10	2.26E-09	3.00E-09
6443	436898.49	3762663.3	8.75E-09	2.98E-08	3.86E-08	1.36E-09	4.87E-09	6.23E-09	7.32E-10	2.26E-09	2.99E-09
6444	436902.16	3762654.39	8.73E-09	2.98E-08	3.85E-08	1.36E-09	4.86E-09	6.22E-09	7.31E-10	2.26E-09	2.99E-09
6445	436905.83	3762645.49	8.7E-09	2.97E-08	3.84E-08	1.35E-09	4.85E-09	6.20E-09	7.28E-10	2.25E-09	2.98E-09
6446	436909.5	3762636.58	8.66E-09	2.95E-08	3.82E-08	1.35E-09	4.83E-09	6.17E-09	7.25E-10	2.24E-09	2.96E-09
6447	436913.17	3762627.68	8.62E-09	2.94E-08	3.80E-08	1.34E-09	4.80E-09	6.14E-09	7.22E-10	2.23E-09	2.95E-09
6448	436916.84	3762618.78	8.57E-09	2.92E-08	3.78E-08	1.33E-09	4.77E-09	6.11E-09	7.17E-10	2.21E-09	2.93E-09
6449	436920.52	3762609.87	8.51E-09	2.90E-08	3.76E-08	1.32E-09	4.74E-09	6.07E-09	7.13E-10	2.20E-09	2.91E-09
6450	436924.19	3762600.97	8.45E-09	2.88E-08	3.73E-08	1.31E-09	4.71E-09	6.02E-09	7.07E-10	2.18E-09	2.89E-09
6451	436927.86	3762592.07	8.39E-09	2.86E-08	3.70E-08	1.30E-09	4.67E-09	5.98E-09	7.02E-10	2.17E-09	2.87E-09
6452	436931.53	3762583.16	8.32E-09	2.84E-08	3.67E-08	1.29E-09	4.63E-09	5.92E-09	6.96E-10	2.15E-09	2.84E-09
6453	436935.2	3762574.26	8.24E-09	2.81E-08	3.63E-08	1.28E-09	4.59E-09	5.87E-09	6.90E-10	2.13E-09	2.82E-09
6454	436938.87	3762565.35	8.16E-09	2.78E-08	3.60E-08	1.27E-09	4.55E-09	5.82E-09	6.83E-10	2.11E-09	2.79E-09
6455	436942.55	3762556.45	8.08E-09	2.76E-08	3.56E-08	1.26E-09	4.50E-09	5.76E-09	6.77E-10	2.09E-09	2.76E-09
6456	436946.22	3762547.55	8E-09	2.73E-08	3.53E-08	1.24E-09	4.46E-09	5.70E-09	6.69E-10	2.07E-09	2.74E-09
6457	436953.56	3762529.74	7.83E-09	2.67E-08	3.45E-08	1.22E-09	4.36E-09	5.58E-09	6.55E-10	2.02E-09	2.68E-09
6458	436957.23	3762520.84	7.74E-09	2.64E-08	3.41E-08	1.20E-09	4.31E-09	5.51E-09	6.48E-10	2.00E-09	2.65E-09
6459	436960.9	3762511.93	7.65E-09	2.61E-08	3.38E-08	1.19E-09	4.26E-09	5.45E-09	6.41E-10	1.98E-09	2.62E-09
6460	436964.58	3762503.03	7.56E-09	2.58E-08	3.34E-08	1.18E-09	4.21E-09	5.39E-09	6.33E-10	1.95E-09	2.59E-09
6461	436990.28	3762440.7	6.95E-09	2.37E-08	3.07E-08	1.08E-09	3.87E-09	4.95E-09	5.82E-10	1.80E-09	2.38E-09
6462	436993.95	3762431.8	6.87E-09	2.34E-08	3.03E-08	1.07E-09	3.83E-09	4.89E-09	5.75E-10	1.77E-09	2.35E-09

6463	436997.62	3762422.89	6.78E-09	2.31E-08	2.99E-08	1.05E-09	3.78E-09	4.83E-09	5.68E-10	1.75E-09	2.32E-09
6464	437001.29	3762413.99	6.69E-09	2.28E-08	2.95E-08	1.04E-09	3.73E-09	4.77E-09	5.60E-10	1.73E-09	2.29E-09
6465	437008.64	3762396.18	6.51E-09	2.22E-08	2.87E-08	1.01E-09	3.63E-09	4.64E-09	5.45E-10	1.68E-09	2.23E-09
6466	437012.31	3762387.28	6.41E-09	2.19E-08	2.83E-08	9.97E-10	3.57E-09	4.57E-09	5.37E-10	1.66E-09	2.19E-09
6467	437019.65	3762369.47	6.21E-09	2.12E-08	2.74E-08	9.66E-10	3.46E-09	4.43E-09	5.20E-10	1.61E-09	2.13E-09
6468	437032.2	3762356.84	6.15E-09	2.10E-08	2.71E-08	9.56E-10	3.43E-09	4.38E-09	5.15E-10	1.59E-09	2.10E-09
6469	437058.84	3762345.66	6.26E-09	2.13E-08	2.76E-08	9.73E-10	3.49E-09	4.46E-09	5.24E-10	1.62E-09	2.14E-09
6470	437067.72	3762341.93	6.29E-09	2.14E-08	2.77E-08	9.77E-10	3.50E-09	4.48E-09	5.26E-10	1.62E-09	2.15E-09
6471	437076.6	3762338.2	6.31E-09	2.15E-08	2.78E-08	9.80E-10	3.51E-09	4.49E-09	5.28E-10	1.63E-09	2.16E-09
6472	437085.49	3762334.48	6.33E-09	2.16E-08	2.79E-08	9.83E-10	3.52E-09	4.51E-09	5.29E-10	1.63E-09	2.16E-09
6473	437094.37	3762330.75	6.34E-09	2.16E-08	2.80E-08	9.85E-10	3.53E-09	4.52E-09	5.31E-10	1.64E-09	2.17E-09
6474	437103.25	3762327.02	6.35E-09	2.16E-08	2.80E-08	9.86E-10	3.54E-09	4.52E-09	5.31E-10	1.64E-09	2.17E-09
6475	437112.13	3762323.29	6.35E-09	2.17E-08	2.80E-08	9.87E-10	3.54E-09	4.53E-09	5.32E-10	1.64E-09	2.17E-09
6476	437121.01	3762319.57	6.36E-09	2.17E-08	2.80E-08	9.88E-10	3.54E-09	4.53E-09	5.32E-10	1.64E-09	2.17E-09
6477	437129.89	3762315.84	6.35E-09	2.17E-08	2.80E-08	9.87E-10	3.54E-09	4.53E-09	5.32E-10	1.64E-09	2.17E-09
6478	437138.77	3762312.11	6.36E-09	2.17E-08	2.81E-08	9.89E-10	3.55E-09	4.53E-09	5.33E-10	1.64E-09	2.18E-09
6479	437147.65	3762308.38	6.37E-09	2.17E-08	2.81E-08	9.89E-10	3.55E-09	4.54E-09	5.33E-10	1.65E-09	2.18E-09
6480	437183.17	3762293.47	6.31E-09	2.15E-08	2.78E-08	9.81E-10	3.52E-09	4.50E-09	5.29E-10	1.63E-09	2.16E-09
6481	437192.05	3762289.74	6.29E-09	2.14E-08	2.77E-08	9.77E-10	3.50E-09	4.48E-09	5.26E-10	1.63E-09	2.15E-09
6482	437200.93	3762286.02	6.26E-09	2.13E-08	2.76E-08	9.72E-10	3.49E-09	4.46E-09	5.24E-10	1.62E-09	2.14E-09
6483	437209.81	3762282.29	6.22E-09	2.12E-08	2.74E-08	9.67E-10	3.47E-09	4.43E-09	5.21E-10	1.61E-09	2.13E-09
6484	437218.69	3762278.56	6.18E-09	2.11E-08	2.73E-08	9.61E-10	3.44E-09	4.40E-09	5.17E-10	1.60E-09	2.11E-09
6485	437227.57	3762274.83	6.14E-09	2.09E-08	2.71E-08	9.54E-10	3.42E-09	4.37E-09	5.14E-10	1.59E-09	2.10E-09
6486	437236.45	3762271.11	6.09E-09	2.08E-08	2.69E-08	9.47E-10	3.39E-09	4.34E-09	5.10E-10	1.57E-09	2.08E-09
6487	437245.33	3762267.38	6.05E-09	2.06E-08	2.67E-08	9.39E-10	3.37E-09	4.31E-09	5.06E-10	1.56E-09	2.07E-09
6488	437254.21	3762263.65	6E-09	2.04E-08	2.64E-08	9.32E-10	3.34E-09	4.27E-09	5.02E-10	1.55E-09	2.05E-09
6489	437263.09	3762259.92	5.95E-09	2.03E-08	2.62E-08	9.24E-10	3.31E-09	4.24E-09	4.98E-10	1.54E-09	2.03E-09
6490	437271.97	3762256.2	5.9E-09	2.01E-08	2.60E-08	9.16E-10	3.29E-09	4.20E-09	4.94E-10	1.52E-09	2.02E-09
6491	437280.85	3762252.47	5.85E-09	1.99E-08	2.58E-08	9.08E-10	3.26E-09	4.17E-09	4.89E-10	1.51E-09	2.00E-09
6492	437289.73	3762248.74	5.8E-09	1.98E-08	2.56E-08	9.01E-10	3.23E-09	4.13E-09	4.85E-10	1.50E-09	1.98E-09
6493	437298.62	3762245.01	5.75E-09	1.96E-08	2.53E-08	8.93E-10	3.20E-09	4.09E-09	4.81E-10	1.48E-09	1.97E-09
6494	437307.5	3762241.29	5.7E-09	1.94E-08	2.51E-08	8.85E-10	3.17E-09	4.06E-09	4.77E-10	1.47E-09	1.95E-09
6495	437316.38	3762237.56	5.65E-09	1.93E-08	2.49E-08	8.78E-10	3.15E-09	4.03E-09	4.73E-10	1.46E-09	1.93E-09
6496	437325.26	3762233.83	5.6E-09	1.91E-08	2.47E-08	8.71E-10	3.12E-09	3.99E-09	4.69E-10	1.45E-09	1.92E-09
6497	437334.14	3762230.1	5.56E-09	1.89E-08	2.45E-08	8.63E-10	3.10E-09	3.96E-09	4.65E-10	1.44E-09	1.90E-09
6498	437343.02	3762226.37	5.51E-09	1.88E-08	2.43E-08	8.56E-10	3.07E-09	3.93E-09	4.61E-10	1.42E-09	1.89E-09
6499	437351.9	3762222.65	5.47E-09	1.86E-08	2.41E-08	8.50E-10	3.05E-09	3.90E-09	4.58E-10	1.41E-09	1.87E-09
6500	436883.8	3762708.61	8.83E-09	3.01E-08	3.89E-08	1.37E-09	4.92E-09	6.29E-09	7.39E-10	2.28E-09	3.02E-09
6501	436883.8	3762718.3	8.9E-09	3.04E-08	3.93E-08	1.38E-09	4.96E-09	6.34E-09	7.45E-10	2.30E-09	3.05E-09
6502	436883.8	3762728	8.97E-09	3.06E-08	3.96E-08	1.39E-09	5.00E-09	6.39E-09	7.51E-10	2.32E-09	3.07E-09
6503	436883.8	3762737.69	9.03E-09	3.08E-08	3.98E-08	1.40E-09	5.03E-09	6.43E-09	7.56E-10	2.33E-09	3.09E-09
6504	436883.8	3762747.39	9.08E-09	3.09E-08	4.00E-08	1.41E-09	5.06E-09	6.47E-09	7.60E-10	2.35E-09	3.10E-09
6505	436883.8	3762757.09	9.11E-09	3.11E-08	4.02E-08	1.42E-09	5.08E-09	6.49E-09	7.63E-10	2.35E-09	3.12E-09
6506	436883.8	3762766.78	9.14E-09	3.12E-08	4.03E-08	1.42E-09	5.09E-09	6.51E-09	7.65E-10	2.36E-09	3.13E-09
6507	436883.8	3762776.48	9.15E-09	3.12E-08	4.03E-08	1.42E-09	5.10E-09	6.52E-09	7.66E-10	2.36E-09	3.13E-09
6508	436883.8	3762786.17	9.15E-09	3.12E-08	4.03E-08	1.42E-09	5.10E-09	6.52E-09	7.66E-10	2.36E-09	3.13E-09
6509	436883.8	3762795.87	9.14E-09	3.12E-08	4.03E-08	1.42E-09	5.09E-09	6.51E-09	7.65E-10	2.36E-09	3.13E-09
6510	436883.8	3762805.56	9.11E-09	3.11E-08	4.02E-08	1.42E-09	5.08E-09	6.49E-09	7.63E-10	2.35E-09	3.12E-09
6511	436883.8	3762815.26	9.08E-09	3.10E-08	4.00E-08	1.41E-09	5.06E-09	6.47E-09	7.60E-10	2.35E-09	3.11E-09
6512	436883.8	3762824.96	9.04E-09	3.08E-08	3.99E-08	1.40E-09	5.03E-09	6.44E-09	7.56E-10	2.34E-09	3.09E-09
6513	436883.8	3762834.65	8.98E-09	3.06E-08	3.96E-08	1.40E-09	5.00E-09	6.40E-09	7.52E-10	2.32E-09	3.07E-09
6514	436883.8	3762844.35	8.92E-09	3.04E-08	3.94E-08	1.39E-09	4.97E-09	6.36E-09	7.47E-10	2.31E-09	3.05E-09
6515	436864.65	3762672.61	7.94E-09	2.71E-08	3.50E-08	1.23E-09	4.42E-09	5.65E-09	6.64E-10	2.05E-09	2.72E-09
6516	436868.26	3762663.84	7.93E-09	2.70E-08	3.50E-08	1.23E-09	4.42E-09	5.65E-09	6.64E-10	2.05E-09	2.71E-09
6517	436871.88	3762655.07	7.92E-09	2.70E-08	3.49E-08	1.23E-09	4.41E-09	5.64E-09	6.63E-10	2.05E-09	2.71E-09
6518	436875.49	3762646.3	7.9E-09	2.69E-08	3.48E-08	1.23E-09	4.40E-09	5.63E-09	6.61E-10	2.04E-09	2.70E-09
6519	436879.11	3762637.53	7.87E-09	2.68E-08	3.47E-08	1.22E-09	4.38E-09	5.60E-09	6.58E-10	2.03E-09	2.69E-09
6520	436882.73	3762628.77	7.83E-09	2.67E-08	3.45E-08	1.22E-09	4.36E-09	5.58E-09	6.55E-10	2.02E-09	2.68E-09
6521	436886.34	3762620	7.79E-09	2.66E-08	3.44E-08	1.21E-09	4.34E-09	5.55E-09	6.52E-10	2.01E-09	2.67E-09
6522	436889.96	3762611.23	7.75E-09	2.64E-08	3.42E-08	1.20E-09	4.32E-09	5.52E-09	6.49E-10	2.00E-09	2.65E-09
6523	436893.57	3762602.46	7.7E-09	2.63E-08	3.40E-08	1.20E-09	4.29E-09	5.49E-09	6.45E-10	1.99E-09	2.63E-09

6524	436897.19	3762593.69	7.65E-09	2.61E-08	3.38E-08	1.19E-09	4.26E-09	5.45E-09	6.41E-10	1.98E-09	2.62E-09
6525	436900.8	3762584.93	7.6E-09	2.59E-08	3.35E-08	1.18E-09	4.24E-09	5.42E-09	6.36E-10	1.96E-09	2.60E-09
6526	436904.42	3762576.16	7.55E-09	2.57E-08	3.33E-08	1.17E-09	4.20E-09	5.38E-09	6.32E-10	1.95E-09	2.58E-09
6527	436911.65	3762558.62	7.42E-09	2.53E-08	3.27E-08	1.15E-09	4.13E-09	5.29E-09	6.21E-10	1.92E-09	2.54E-09
6528	436915.27	3762549.85	7.35E-09	2.51E-08	3.24E-08	1.14E-09	4.10E-09	5.24E-09	6.16E-10	1.90E-09	2.52E-09
6529	436918.88	3762541.09	7.29E-09	2.48E-08	3.21E-08	1.13E-09	4.06E-09	5.19E-09	6.10E-10	1.88E-09	2.49E-09
6530	436922.5	3762532.32	7.22E-09	2.46E-08	3.18E-08	1.12E-09	4.02E-09	5.14E-09	6.04E-10	1.86E-09	2.47E-09
6531	436929.73	3762514.78	7.07E-09	2.41E-08	3.12E-08	1.10E-09	3.94E-09	5.04E-09	5.92E-10	1.83E-09	2.42E-09
6532	436933.34	3762506.01	6.99E-09	2.39E-08	3.08E-08	1.09E-09	3.90E-09	4.98E-09	5.85E-10	1.81E-09	2.39E-09
6533	436936.96	3762497.25	6.92E-09	2.36E-08	3.05E-08	1.08E-09	3.85E-09	4.93E-09	5.79E-10	1.79E-09	2.37E-09
6534	436940.58	3762488.48	6.84E-09	2.33E-08	3.02E-08	1.06E-09	3.81E-09	4.87E-09	5.73E-10	1.77E-09	2.34E-09
6535	436955.04	3762453.41	6.54E-09	2.23E-08	2.89E-08	1.02E-09	3.65E-09	4.66E-09	5.48E-10	1.69E-09	2.24E-09
6536	436958.65	3762444.64	6.48E-09	2.21E-08	2.86E-08	1.01E-09	3.61E-09	4.61E-09	5.42E-10	1.67E-09	2.22E-09
6537	436965.89	3762427.1	6.34E-09	2.16E-08	2.80E-08	9.85E-10	3.53E-09	4.52E-09	5.31E-10	1.64E-09	2.17E-09
6538	436969.5	3762418.33	6.27E-09	2.14E-08	2.77E-08	9.74E-10	3.49E-09	4.47E-09	5.25E-10	1.62E-09	2.14E-09
6539	436973.12	3762409.57	6.2E-09	2.11E-08	2.73E-08	9.63E-10	3.45E-09	4.41E-09	5.19E-10	1.60E-09	2.12E-09
6540	436976.73	3762400.8	6.12E-09	2.09E-08	2.70E-08	9.51E-10	3.41E-09	4.36E-09	5.12E-10	1.58E-09	2.09E-09
6541	436983.96	3762383.26	5.96E-09	2.03E-08	2.63E-08	9.27E-10	3.32E-09	4.25E-09	4.99E-10	1.54E-09	2.04E-09
6542	436987.58	3762374.49	5.88E-09	2.01E-08	2.59E-08	9.14E-10	3.28E-09	4.19E-09	4.92E-10	1.52E-09	2.01E-09
6543	436991.2	3762365.73	5.8E-09	1.98E-08	2.56E-08	9.01E-10	3.23E-09	4.13E-09	4.85E-10	1.50E-09	1.98E-09
6544	436994.81	3762356.96	5.72E-09	1.95E-08	2.52E-08	8.88E-10	3.18E-09	4.07E-09	4.78E-10	1.48E-09	1.96E-09
6545	437010.79	3762335.75	5.58E-09	1.90E-08	2.46E-08	8.67E-10	3.11E-09	3.97E-09	4.67E-10	1.44E-09	1.91E-09
6546	437037.02	3762324.74	5.67E-09	1.93E-08	2.50E-08	8.81E-10	3.16E-09	4.04E-09	4.74E-10	1.46E-09	1.94E-09
6547	437045.77	3762321.07	5.69E-09	1.94E-08	2.51E-08	8.84E-10	3.17E-09	4.06E-09	4.76E-10	1.47E-09	1.95E-09
6548	437054.51	3762317.4	5.71E-09	1.95E-08	2.52E-08	8.88E-10	3.18E-09	4.07E-09	4.78E-10	1.48E-09	1.95E-09
6549	437063.26	3762313.73	5.73E-09	1.95E-08	2.53E-08	8.91E-10	3.19E-09	4.08E-09	4.80E-10	1.48E-09	1.96E-09
6550	437072	3762310.06	5.75E-09	1.96E-08	2.53E-08	8.93E-10	3.20E-09	4.09E-09	4.81E-10	1.48E-09	1.97E-09
6551	437080.75	3762306.39	5.76E-09	1.96E-08	2.54E-08	8.95E-10	3.21E-09	4.10E-09	4.82E-10	1.49E-09	1.97E-09
6552	437089.49	3762302.71	5.76E-09	1.97E-08	2.54E-08	8.95E-10	3.21E-09	4.11E-09	4.82E-10	1.49E-09	1.97E-09
6553	437098.24	3762299.04	5.77E-09	1.97E-08	2.54E-08	8.96E-10	3.21E-09	4.11E-09	4.83E-10	1.49E-09	1.97E-09
6554	437106.98	3762295.37	5.77E-09	1.97E-08	2.55E-08	8.97E-10	3.22E-09	4.11E-09	4.83E-10	1.49E-09	1.98E-09
6555	437115.73	3762291.7	5.78E-09	1.97E-08	2.55E-08	8.98E-10	3.22E-09	4.12E-09	4.84E-10	1.49E-09	1.98E-09
6556	437124.47	3762288.03	5.78E-09	1.97E-08	2.55E-08	8.98E-10	3.22E-09	4.12E-09	4.84E-10	1.49E-09	1.98E-09
6557	437133.22	3762284.36	5.77E-09	1.97E-08	2.55E-08	8.97E-10	3.22E-09	4.11E-09	4.83E-10	1.49E-09	1.98E-09
6558	437141.96	3762280.69	5.77E-09	1.97E-08	2.54E-08	8.96E-10	3.21E-09	4.11E-09	4.83E-10	1.49E-09	1.97E-09
6559	437176.94	3762266.01	5.7E-09	1.94E-08	2.51E-08	8.85E-10	3.17E-09	4.06E-09	4.77E-10	1.47E-09	1.95E-09
6560	437185.69	3762262.34	5.67E-09	1.93E-08	2.50E-08	8.81E-10	3.16E-09	4.04E-09	4.75E-10	1.47E-09	1.94E-09
6561	437194.43	3762258.67	5.64E-09	1.92E-08	2.49E-08	8.76E-10	3.14E-09	4.02E-09	4.72E-10	1.46E-09	1.93E-09
6562	437203.18	3762254.99	5.61E-09	1.91E-08	2.47E-08	8.71E-10	3.12E-09	3.99E-09	4.69E-10	1.45E-09	1.92E-09
6563	437211.92	3762251.32	5.57E-09	1.90E-08	2.46E-08	8.65E-10	3.10E-09	3.97E-09	4.66E-10	1.44E-09	1.90E-09
6564	437220.67	3762247.65	5.53E-09	1.89E-08	2.44E-08	8.59E-10	3.08E-09	3.94E-09	4.63E-10	1.43E-09	1.89E-09
6565	437229.41	3762243.98	5.49E-09	1.87E-08	2.42E-08	8.53E-10	3.06E-09	3.91E-09	4.59E-10	1.42E-09	1.88E-09
6566	437238.16	3762240.31	5.44E-09	1.86E-08	2.40E-08	8.46E-10	3.03E-09	3.88E-09	4.56E-10	1.41E-09	1.86E-09
6567	437246.9	3762236.64	5.4E-09	1.84E-08	2.38E-08	8.39E-10	3.01E-09	3.85E-09	4.52E-10	1.40E-09	1.85E-09
6568	437255.65	3762232.97	5.36E-09	1.83E-08	2.36E-08	8.33E-10	2.99E-09	3.82E-09	4.49E-10	1.38E-09	1.83E-09
6569	437264.39	3762229.3	5.32E-09	1.81E-08	2.34E-08	8.26E-10	2.96E-09	3.79E-09	4.45E-10	1.37E-09	1.82E-09
6570	437273.14	3762225.63	5.27E-09	1.80E-08	2.33E-08	8.20E-10	2.94E-09	3.76E-09	4.41E-10	1.36E-09	1.80E-09
6571	437281.88	3762221.96	5.23E-09	1.78E-08	2.31E-08	8.13E-10	2.91E-09	3.73E-09	4.38E-10	1.35E-09	1.79E-09
6572	437290.63	3762218.29	5.19E-09	1.77E-08	2.29E-08	8.07E-10	2.89E-09	3.70E-09	4.34E-10	1.34E-09	1.78E-09
6573	437299.37	3762214.62	5.15E-09	1.76E-08	2.27E-08	8.00E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
6574	437308.12	3762210.94	5.11E-09	1.74E-08	2.25E-08	7.94E-10	2.85E-09	3.64E-09	4.28E-10	1.32E-09	1.75E-09
6575	437316.86	3762207.27	5.07E-09	1.73E-08	2.23E-08	7.87E-10	2.82E-09	3.61E-09	4.24E-10	1.31E-09	1.73E-09
6576	437325.61	3762203.6	5.03E-09	1.71E-08	2.22E-08	7.81E-10	2.80E-09	3.58E-09	4.21E-10	1.30E-09	1.72E-09
6577	437334.35	3762199.93	4.99E-09	1.70E-08	2.20E-08	7.75E-10	2.78E-09	3.55E-09	4.18E-10	1.29E-09	1.71E-09
6578	437343.1	3762196.26	4.95E-09	1.69E-08	2.18E-08	7.69E-10	2.76E-09	3.53E-09	4.14E-10	1.28E-09	1.69E-09
6579	437351.84	3762192.59	4.92E-09	1.68E-08	2.17E-08	7.64E-10	2.74E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
6580	436853.8	3762708.61	7.97E-09	2.72E-08	3.52E-08	1.24E-09	4.44E-09	5.68E-09	6.67E-10	2.06E-09	2.73E-09
6581	436853.8	3762718.3	8.04E-09	2.74E-08	3.54E-08	1.25E-09	4.48E-09	5.73E-09	6.73E-10	2.08E-09	2.75E-09
6582	436853.8	3762728	8.09E-09	2.76E-08	3.57E-08	1.26E-09	4.51E-09	5.77E-09	6.77E-10	2.09E-09	2.77E-09
6583	436853.8	3762737.69	8.14E-09	2.78E-08	3.59E-08	1.26E-09	4.53E-09	5.80E-09	6.81E-10	2.10E-09	2.78E-09
6584	436853.8	3762747.39	8.18E-09	2.79E-08	3.61E-08	1.27E-09	4.56E-09	5.83E-09	6.84E-10	2.11E-09	2.80E-09

6585	436853.8	3762757.09	8.21E-09	2.80E-08	3.62E-08	1.28E-09	4.57E-09	5.85E-09	6.87E-10	2.12E-09	2.81E-09
6586	436853.8	3762766.78	8.23E-09	2.80E-08	3.63E-08	1.28E-09	4.58E-09	5.86E-09	6.88E-10	2.13E-09	2.81E-09
6587	436853.8	3762776.48	8.23E-09	2.81E-08	3.63E-08	1.28E-09	4.59E-09	5.87E-09	6.89E-10	2.13E-09	2.82E-09
6588	436853.8	3762786.17	8.23E-09	2.81E-08	3.63E-08	1.28E-09	4.59E-09	5.87E-09	6.89E-10	2.13E-09	2.82E-09
6589	436853.8	3762795.87	8.22E-09	2.80E-08	3.63E-08	1.28E-09	4.58E-09	5.86E-09	6.88E-10	2.12E-09	2.81E-09
6590	436853.8	3762805.56	8.2E-09	2.80E-08	3.62E-08	1.27E-09	4.57E-09	5.84E-09	6.86E-10	2.12E-09	2.81E-09
6591	436853.8	3762815.26	8.17E-09	2.79E-08	3.60E-08	1.27E-09	4.55E-09	5.82E-09	6.84E-10	2.11E-09	2.80E-09
6592	436853.8	3762824.96	8.13E-09	2.77E-08	3.59E-08	1.26E-09	4.53E-09	5.80E-09	6.81E-10	2.10E-09	2.78E-09
6593	436853.8	3762834.65	8.09E-09	2.76E-08	3.57E-08	1.26E-09	4.51E-09	5.76E-09	6.77E-10	2.09E-09	2.77E-09
6594	436853.8	3762844.35	8.04E-09	2.74E-08	3.54E-08	1.25E-09	4.48E-09	5.73E-09	6.73E-10	2.08E-09	2.75E-09
6595	436834.75	3762672.35	7.24E-09	2.47E-08	3.19E-08	1.12E-09	4.03E-09	5.16E-09	6.06E-10	1.87E-09	2.48E-09
6596	436838.4	3762663.5	7.23E-09	2.47E-08	3.19E-08	1.12E-09	4.03E-09	5.15E-09	6.06E-10	1.87E-09	2.48E-09
6597	436842.05	3762654.65	7.23E-09	2.46E-08	3.19E-08	1.12E-09	4.03E-09	5.15E-09	6.05E-10	1.87E-09	2.47E-09
6598	436845.7	3762645.8	7.21E-09	2.46E-08	3.18E-08	1.12E-09	4.02E-09	5.14E-09	6.03E-10	1.86E-09	2.47E-09
6599	436849.35	3762636.95	7.18E-09	2.45E-08	3.17E-08	1.12E-09	4.00E-09	5.12E-09	6.01E-10	1.86E-09	2.46E-09
6600	436856.65	3762619.24	7.12E-09	2.43E-08	3.14E-08	1.11E-09	3.96E-09	5.07E-09	5.96E-10	1.84E-09	2.43E-09
6601	436860.3	3762610.39	7.08E-09	2.41E-08	3.12E-08	1.10E-09	3.94E-09	5.04E-09	5.92E-10	1.83E-09	2.42E-09
6602	436863.95	3762601.54	7.03E-09	2.40E-08	3.10E-08	1.09E-09	3.92E-09	5.01E-09	5.89E-10	1.82E-09	2.41E-09
6603	436867.6	3762592.69	6.99E-09	2.38E-08	3.08E-08	1.09E-09	3.90E-09	4.98E-09	5.85E-10	1.81E-09	2.39E-09
6604	436874.9	3762574.98	6.91E-09	2.36E-08	3.05E-08	1.07E-09	3.85E-09	4.92E-09	5.78E-10	1.78E-09	2.36E-09
6605	436878.55	3762566.13	6.86E-09	2.34E-08	3.02E-08	1.07E-09	3.82E-09	4.89E-09	5.74E-10	1.77E-09	2.35E-09
6606	436882.2	3762557.28	6.81E-09	2.32E-08	3.00E-08	1.06E-09	3.79E-09	4.85E-09	5.70E-10	1.76E-09	2.33E-09
6607	436885.85	3762548.43	6.75E-09	2.30E-08	2.98E-08	1.05E-09	3.76E-09	4.81E-09	5.65E-10	1.74E-09	2.31E-09
6608	436893.16	3762530.72	6.63E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.72E-09	5.55E-10	1.71E-09	2.27E-09
6609	436896.81	3762521.87	6.57E-09	2.24E-08	2.90E-08	1.02E-09	3.66E-09	4.68E-09	5.50E-10	1.70E-09	2.25E-09
6610	436900.46	3762513.02	6.51E-09	2.22E-08	2.87E-08	1.01E-09	3.63E-09	4.64E-09	5.45E-10	1.68E-09	2.23E-09
6611	436904.11	3762504.17	6.45E-09	2.20E-08	2.84E-08	1.00E-09	3.59E-09	4.59E-09	5.40E-10	1.67E-09	2.20E-09
6612	436911.41	3762486.46	6.32E-09	2.15E-08	2.79E-08	9.82E-10	3.52E-09	4.50E-09	5.29E-10	1.63E-09	2.16E-09
6613	436929.66	3762442.2	6E-09	2.04E-08	2.64E-08	9.32E-10	3.34E-09	4.27E-09	5.02E-10	1.55E-09	2.05E-09
6614	436933.31	3762433.35	5.94E-09	2.02E-08	2.62E-08	9.23E-10	3.31E-09	4.23E-09	4.97E-10	1.53E-09	2.03E-09
6615	436936.96	3762424.5	5.88E-09	2.00E-08	2.59E-08	9.13E-10	3.27E-09	4.19E-09	4.92E-10	1.52E-09	2.01E-09
6616	436940.61	3762415.65	5.82E-09	1.98E-08	2.57E-08	9.04E-10	3.24E-09	4.15E-09	4.87E-10	1.50E-09	1.99E-09
6617	436947.91	3762397.94	5.69E-09	1.94E-08	2.51E-08	8.84E-10	3.17E-09	4.05E-09	4.76E-10	1.47E-09	1.95E-09
6618	436951.56	3762389.09	5.62E-09	1.92E-08	2.48E-08	8.74E-10	3.13E-09	4.01E-09	4.71E-10	1.45E-09	1.92E-09
6619	436955.21	3762380.24	5.56E-09	1.90E-08	2.45E-08	8.64E-10	3.10E-09	3.96E-09	4.65E-10	1.44E-09	1.90E-09
6620	436958.86	3762371.39	5.49E-09	1.87E-08	2.42E-08	8.53E-10	3.06E-09	3.91E-09	4.59E-10	1.42E-09	1.88E-09
6621	436966.16	3762353.68	5.35E-09	1.82E-08	2.36E-08	8.31E-10	2.98E-09	3.81E-09	4.48E-10	1.38E-09	1.83E-09
6622	436969.81	3762344.83	5.28E-09	1.80E-08	2.33E-08	8.20E-10	2.94E-09	3.76E-09	4.42E-10	1.36E-09	1.80E-09
6623	436977.11	3762327.13	5.13E-09	1.75E-08	2.26E-08	7.97E-10	2.86E-09	3.65E-09	4.29E-10	1.33E-09	1.75E-09
6624	436989.59	3762314.57	5.09E-09	1.73E-08	2.24E-08	7.90E-10	2.83E-09	3.62E-09	4.26E-10	1.31E-09	1.74E-09
6625	437024.91	3762299.75	5.19E-09	1.77E-08	2.29E-08	8.07E-10	2.89E-09	3.70E-09	4.34E-10	1.34E-09	1.78E-09
6626	437033.74	3762296.04	5.21E-09	1.78E-08	2.30E-08	8.10E-10	2.90E-09	3.71E-09	4.36E-10	1.35E-09	1.78E-09
6627	437042.56	3762292.33	5.23E-09	1.78E-08	2.31E-08	8.13E-10	2.91E-09	3.73E-09	4.38E-10	1.35E-09	1.79E-09
6628	437051.39	3762288.63	5.25E-09	1.79E-08	2.31E-08	8.15E-10	2.92E-09	3.74E-09	4.39E-10	1.36E-09	1.79E-09
6629	437060.22	3762284.92	5.26E-09	1.79E-08	2.32E-08	8.17E-10	2.93E-09	3.75E-09	4.40E-10	1.36E-09	1.80E-09
6630	437069.05	3762281.22	5.27E-09	1.80E-08	2.32E-08	8.19E-10	2.94E-09	3.76E-09	4.41E-10	1.36E-09	1.80E-09
6631	437077.88	3762277.51	5.28E-09	1.80E-08	2.33E-08	8.20E-10	2.94E-09	3.76E-09	4.42E-10	1.36E-09	1.81E-09
6632	437086.71	3762273.8	5.29E-09	1.80E-08	2.33E-08	8.21E-10	2.94E-09	3.77E-09	4.42E-10	1.37E-09	1.81E-09
6633	437095.54	3762270.1	5.29E-09	1.80E-08	2.33E-08	8.22E-10	2.95E-09	3.77E-09	4.43E-10	1.37E-09	1.81E-09
6634	437104.37	3762266.39	5.29E-09	1.80E-08	2.33E-08	8.21E-10	2.95E-09	3.77E-09	4.43E-10	1.37E-09	1.81E-09
6635	437113.19	3762262.69	5.28E-09	1.80E-08	2.33E-08	8.21E-10	2.94E-09	3.76E-09	4.42E-10	1.36E-09	1.81E-09
6636	437122.02	3762258.98	5.27E-09	1.80E-08	2.32E-08	8.19E-10	2.94E-09	3.76E-09	4.41E-10	1.36E-09	1.80E-09
6637	437130.85	3762255.28	5.26E-09	1.79E-08	2.32E-08	8.17E-10	2.93E-09	3.75E-09	4.40E-10	1.36E-09	1.80E-09
6638	437139.68	3762251.57	5.25E-09	1.79E-08	2.31E-08	8.15E-10	2.92E-09	3.74E-09	4.39E-10	1.36E-09	1.79E-09
6639	437148.51	3762247.86	5.23E-09	1.78E-08	2.31E-08	8.13E-10	2.91E-09	3.73E-09	4.38E-10	1.35E-09	1.79E-09
6640	437157.34	3762244.16	5.21E-09	1.78E-08	2.30E-08	8.10E-10	2.90E-09	3.71E-09	4.36E-10	1.35E-09	1.78E-09
6641	437166.17	3762240.45	5.19E-09	1.77E-08	2.29E-08	8.06E-10	2.89E-09	3.70E-09	4.34E-10	1.34E-09	1.77E-09
6642	437175	3762236.75	5.16E-09	1.76E-08	2.27E-08	8.02E-10	2.87E-09	3.68E-09	4.32E-10	1.33E-09	1.76E-09
6643	437183.82	3762233.04	5.13E-09	1.75E-08	2.26E-08	7.97E-10	2.86E-09	3.65E-09	4.29E-10	1.33E-09	1.75E-09
6644	437192.65	3762229.33	5.1E-09	1.74E-08	2.25E-08	7.92E-10	2.84E-09	3.63E-09	4.27E-10	1.32E-09	1.74E-09
6645	437201.48	3762225.63	5.06E-09	1.73E-08	2.23E-08	7.87E-10	2.82E-09	3.61E-09	4.24E-10	1.31E-09	1.73E-09

6646	437210.31	3762221.92	5.03E-09	1.71E-08	2.22E-08	7.81E-10	2.80E-09	3.58E-09	4.21E-10	1.30E-09	1.72E-09
6647	437219.14	3762218.22	4.99E-09	1.70E-08	2.20E-08	7.75E-10	2.78E-09	3.55E-09	4.18E-10	1.29E-09	1.71E-09
6648	437227.97	3762214.51	4.95E-09	1.69E-08	2.18E-08	7.69E-10	2.76E-09	3.53E-09	4.14E-10	1.28E-09	1.69E-09
6649	437236.8	3762210.8	4.91E-09	1.68E-08	2.17E-08	7.64E-10	2.74E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
6650	437245.63	3762207.1	4.88E-09	1.66E-08	2.15E-08	7.58E-10	2.72E-09	3.47E-09	4.08E-10	1.26E-09	1.67E-09
6651	437254.45	3762203.39	4.84E-09	1.65E-08	2.13E-08	7.52E-10	2.69E-09	3.45E-09	4.05E-10	1.25E-09	1.65E-09
6652	437263.28	3762199.69	4.8E-09	1.64E-08	2.12E-08	7.46E-10	2.67E-09	3.42E-09	4.02E-10	1.24E-09	1.64E-09
6653	437272.11	3762195.98	4.76E-09	1.62E-08	2.10E-08	7.40E-10	2.65E-09	3.39E-09	3.99E-10	1.23E-09	1.63E-09
6654	437280.94	3762192.27	4.72E-09	1.61E-08	2.08E-08	7.34E-10	2.63E-09	3.37E-09	3.95E-10	1.22E-09	1.62E-09
6655	437289.77	3762188.57	4.69E-09	1.60E-08	2.07E-08	7.28E-10	2.61E-09	3.34E-09	3.92E-10	1.21E-09	1.60E-09
6656	437298.6	3762184.86	4.65E-09	1.59E-08	2.05E-08	7.22E-10	2.59E-09	3.31E-09	3.89E-10	1.20E-09	1.59E-09
6657	437307.43	3762181.16	4.61E-09	1.57E-08	2.03E-08	7.17E-10	2.57E-09	3.29E-09	3.86E-10	1.19E-09	1.58E-09
6658	437316.26	3762177.45	4.58E-09	1.56E-08	2.02E-08	7.11E-10	2.55E-09	3.26E-09	3.83E-10	1.18E-09	1.57E-09
6659	437325.09	3762173.74	4.54E-09	1.55E-08	2.00E-08	7.06E-10	2.53E-09	3.24E-09	3.80E-10	1.17E-09	1.55E-09
6660	437333.91	3762170.04	4.51E-09	1.54E-08	1.99E-08	7.01E-10	2.51E-09	3.21E-09	3.78E-10	1.17E-09	1.54E-09
6661	437342.74	3762166.33	4.48E-09	1.53E-08	1.98E-08	6.96E-10	2.49E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
6662	437351.57	3762162.63	4.45E-09	1.52E-08	1.96E-08	6.91E-10	2.48E-09	3.17E-09	3.72E-10	1.15E-09	1.52E-09
6663	436823.8	3762708.61	7.25E-09	2.47E-08	3.20E-08	1.13E-09	4.04E-09	5.17E-09	6.07E-10	1.87E-09	2.48E-09
6664	436823.8	3762718.3	7.3E-09	2.49E-08	3.22E-08	1.13E-09	4.07E-09	5.20E-09	6.11E-10	1.89E-09	2.50E-09
6665	436823.8	3762728	7.35E-09	2.51E-08	3.24E-08	1.14E-09	4.09E-09	5.24E-09	6.15E-10	1.90E-09	2.51E-09
6666	436823.8	3762737.69	7.39E-09	2.52E-08	3.26E-08	1.15E-09	4.12E-09	5.26E-09	6.18E-10	1.91E-09	2.53E-09
6667	436823.8	3762747.39	7.42E-09	2.53E-08	3.27E-08	1.15E-09	4.13E-09	5.29E-09	6.21E-10	1.92E-09	2.54E-09
6668	436823.8	3762757.09	7.44E-09	2.54E-08	3.28E-08	1.16E-09	4.14E-09	5.30E-09	6.23E-10	1.92E-09	2.54E-09
6669	436823.8	3762766.78	7.45E-09	2.54E-08	3.29E-08	1.16E-09	4.15E-09	5.31E-09	6.24E-10	1.93E-09	2.55E-09
6670	436823.8	3762776.48	7.45E-09	2.54E-08	3.29E-08	1.16E-09	4.15E-09	5.31E-09	6.24E-10	1.93E-09	2.55E-09
6671	436823.8	3762786.17	7.45E-09	2.54E-08	3.29E-08	1.16E-09	4.15E-09	5.31E-09	6.24E-10	1.93E-09	2.55E-09
6672	436823.8	3762795.87	7.44E-09	2.54E-08	3.28E-08	1.16E-09	4.14E-09	5.30E-09	6.23E-10	1.92E-09	2.54E-09
6673	436823.8	3762805.56	7.42E-09	2.53E-08	3.27E-08	1.15E-09	4.13E-09	5.29E-09	6.21E-10	1.92E-09	2.54E-09
6674	436823.8	3762815.26	7.39E-09	2.52E-08	3.26E-08	1.15E-09	4.12E-09	5.27E-09	6.19E-10	1.91E-09	2.53E-09
6675	436823.8	3762824.96	7.36E-09	2.51E-08	3.25E-08	1.14E-09	4.10E-09	5.25E-09	6.16E-10	1.90E-09	2.52E-09
6676	436823.8	3762834.65	7.32E-09	2.50E-08	3.23E-08	1.14E-09	4.08E-09	5.22E-09	6.13E-10	1.89E-09	2.51E-09
6677	436823.8	3762844.35	7.28E-09	2.48E-08	3.21E-08	1.13E-09	4.06E-09	5.19E-09	6.09E-10	1.88E-09	2.49E-09
6678	436804.85	3762672.12	6.63E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.72E-09	5.55E-10	1.71E-09	2.27E-09
6679	436808.53	3762663.2	6.63E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.72E-09	5.55E-10	1.71E-09	2.27E-09
6680	436812.21	3762654.27	6.63E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.72E-09	5.55E-10	1.71E-09	2.27E-09
6681	436815.89	3762645.34	6.62E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.71E-09	5.54E-10	1.71E-09	2.26E-09
6682	436819.57	3762636.41	6.6E-09	2.25E-08	2.91E-08	1.03E-09	3.68E-09	4.70E-09	5.52E-10	1.71E-09	2.26E-09
6683	436826.94	3762618.55	6.55E-09	2.23E-08	2.89E-08	1.02E-09	3.65E-09	4.67E-09	5.48E-10	1.69E-09	2.24E-09
6684	436830.62	3762609.63	6.51E-09	2.22E-08	2.87E-08	1.01E-09	3.63E-09	4.64E-09	5.45E-10	1.68E-09	2.23E-09
6685	436834.3	3762600.7	6.47E-09	2.21E-08	2.85E-08	1.01E-09	3.60E-09	4.61E-09	5.42E-10	1.67E-09	2.21E-09
6686	436837.98	3762591.77	6.43E-09	2.19E-08	2.84E-08	9.99E-10	3.58E-09	4.58E-09	5.38E-10	1.66E-09	2.20E-09
6687	436845.35	3762573.91	6.35E-09	2.17E-08	2.80E-08	9.87E-10	3.54E-09	4.52E-09	5.32E-10	1.64E-09	2.17E-09
6688	436849.03	3762564.98	6.31E-09	2.15E-08	2.78E-08	9.80E-10	3.51E-09	4.49E-09	5.28E-10	1.63E-09	2.16E-09
6689	436852.71	3762556.05	6.26E-09	2.14E-08	2.76E-08	9.73E-10	3.49E-09	4.46E-09	5.24E-10	1.62E-09	2.14E-09
6690	436856.39	3762547.13	6.21E-09	2.12E-08	2.74E-08	9.66E-10	3.46E-09	4.43E-09	5.20E-10	1.61E-09	2.13E-09
6691	436860.07	3762538.2	6.17E-09	2.10E-08	2.72E-08	9.58E-10	3.43E-09	4.39E-09	5.16E-10	1.59E-09	2.11E-09
6692	436863.75	3762529.27	6.12E-09	2.09E-08	2.70E-08	9.50E-10	3.41E-09	4.36E-09	5.12E-10	1.58E-09	2.09E-09
6693	436867.44	3762520.34	6.06E-09	2.07E-08	2.67E-08	9.42E-10	3.38E-09	4.32E-09	5.08E-10	1.57E-09	2.07E-09
6694	436874.8	3762502.48	5.96E-09	2.03E-08	2.63E-08	9.26E-10	3.32E-09	4.24E-09	4.99E-10	1.54E-09	2.04E-09
6695	436878.48	3762493.56	5.9E-09	2.01E-08	2.60E-08	9.17E-10	3.29E-09	4.20E-09	4.94E-10	1.52E-09	2.02E-09
6696	436882.16	3762484.63	5.85E-09	1.99E-08	2.58E-08	9.09E-10	3.26E-09	4.17E-09	4.89E-10	1.51E-09	2.00E-09
6697	436900.57	3762439.99	5.57E-09	1.90E-08	2.45E-08	8.65E-10	3.10E-09	3.97E-09	4.66E-10	1.44E-09	1.90E-09
6698	436904.25	3762431.06	5.51E-09	1.88E-08	2.43E-08	8.56E-10	3.07E-09	3.93E-09	4.61E-10	1.42E-09	1.89E-09
6699	436911.62	3762413.2	5.4E-09	1.84E-08	2.38E-08	8.39E-10	3.01E-09	3.85E-09	4.52E-10	1.40E-09	1.85E-09
6700	436915.3	3762404.27	5.35E-09	1.82E-08	2.36E-08	8.31E-10	2.98E-09	3.81E-09	4.48E-10	1.38E-09	1.83E-09
6701	436918.98	3762395.34	5.3E-09	1.81E-08	2.34E-08	8.23E-10	2.95E-09	3.77E-09	4.43E-10	1.37E-09	1.81E-09
6702	436922.66	3762386.41	5.24E-09	1.79E-08	2.31E-08	8.14E-10	2.92E-09	3.73E-09	4.39E-10	1.35E-09	1.79E-09
6703	436930.03	3762368.56	5.13E-09	1.75E-08	2.26E-08	7.97E-10	2.86E-09	3.65E-09	4.29E-10	1.32E-09	1.75E-09
6704	436933.71	3762359.63	5.06E-09	1.73E-08	2.23E-08	7.87E-10	2.82E-09	3.61E-09	4.24E-10	1.31E-09	1.73E-09
6705	436941.07	3762341.77	4.94E-09	1.69E-08	2.18E-08	7.68E-10	2.75E-09	3.52E-09	4.14E-10	1.28E-09	1.69E-09
6706	436944.76	3762332.84	4.88E-09	1.66E-08	2.15E-08	7.58E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09

6707	436948.44	3762323.92	4.82E-09	1.64E-08	2.12E-08	7.49E-10	2.68E-09	3.43E-09	4.03E-10	1.24E-09	1.65E-09
6708	436952.12	3762314.99	4.75E-09	1.62E-08	2.10E-08	7.38E-10	2.65E-09	3.39E-09	3.98E-10	1.23E-09	1.63E-09
6709	436968.39	3762293.39	4.65E-09	1.59E-08	2.05E-08	7.23E-10	2.59E-09	3.31E-09	3.89E-10	1.20E-09	1.59E-09
6710	436995.1	3762282.18	4.74E-09	1.62E-08	2.09E-08	7.36E-10	2.64E-09	3.37E-09	3.96E-10	1.22E-09	1.62E-09
6711	437004.01	3762278.44	4.76E-09	1.62E-08	2.10E-08	7.40E-10	2.65E-09	3.39E-09	3.98E-10	1.23E-09	1.63E-09
6712	437012.91	3762274.7	4.78E-09	1.63E-08	2.11E-08	7.43E-10	2.66E-09	3.41E-09	4.00E-10	1.24E-09	1.64E-09
6713	437021.82	3762270.96	4.8E-09	1.64E-08	2.12E-08	7.46E-10	2.67E-09	3.42E-09	4.02E-10	1.24E-09	1.64E-09
6714	437030.72	3762267.23	4.81E-09	1.64E-08	2.12E-08	7.48E-10	2.68E-09	3.43E-09	4.03E-10	1.24E-09	1.65E-09
6715	437039.63	3762263.49	4.83E-09	1.65E-08	2.13E-08	7.50E-10	2.69E-09	3.44E-09	4.04E-10	1.25E-09	1.65E-09
6716	437048.53	3762259.75	4.84E-09	1.65E-08	2.13E-08	7.51E-10	2.69E-09	3.44E-09	4.05E-10	1.25E-09	1.65E-09
6717	437057.44	3762256.01	4.84E-09	1.65E-08	2.14E-08	7.52E-10	2.70E-09	3.45E-09	4.05E-10	1.25E-09	1.66E-09
6718	437066.34	3762252.27	4.85E-09	1.65E-08	2.14E-08	7.53E-10	2.70E-09	3.45E-09	4.06E-10	1.25E-09	1.66E-09
6719	437075.25	3762248.54	4.85E-09	1.65E-08	2.14E-08	7.53E-10	2.70E-09	3.45E-09	4.06E-10	1.25E-09	1.66E-09
6720	437084.15	3762244.8	4.85E-09	1.65E-08	2.14E-08	7.53E-10	2.70E-09	3.45E-09	4.06E-10	1.25E-09	1.66E-09
6721	437093.06	3762241.06	4.84E-09	1.65E-08	2.14E-08	7.53E-10	2.70E-09	3.45E-09	4.05E-10	1.25E-09	1.66E-09
6722	437101.96	3762237.32	4.84E-09	1.65E-08	2.13E-08	7.52E-10	2.69E-09	3.45E-09	4.05E-10	1.25E-09	1.65E-09
6723	437110.87	3762233.58	4.83E-09	1.65E-08	2.13E-08	7.50E-10	2.69E-09	3.44E-09	4.04E-10	1.25E-09	1.65E-09
6724	437119.77	3762229.85	4.81E-09	1.64E-08	2.12E-08	7.48E-10	2.68E-09	3.43E-09	4.03E-10	1.24E-09	1.65E-09
6725	437128.68	3762226.11	4.8E-09	1.64E-08	2.12E-08	7.46E-10	2.67E-09	3.42E-09	4.02E-10	1.24E-09	1.64E-09
6726	437137.58	3762222.37	4.78E-09	1.63E-08	2.11E-08	7.43E-10	2.66E-09	3.41E-09	4.00E-10	1.24E-09	1.64E-09
6727	437146.49	3762218.63	4.76E-09	1.62E-08	2.10E-08	7.40E-10	2.65E-09	3.39E-09	3.99E-10	1.23E-09	1.63E-09
6728	437155.39	3762214.89	4.74E-09	1.62E-08	2.09E-08	7.36E-10	2.64E-09	3.38E-09	3.97E-10	1.22E-09	1.62E-09
6729	437164.3	3762211.16	4.71E-09	1.61E-08	2.08E-08	7.33E-10	2.63E-09	3.36E-09	3.95E-10	1.22E-09	1.61E-09
6730	437173.2	3762207.42	4.69E-09	1.60E-08	2.07E-08	7.28E-10	2.61E-09	3.34E-09	3.92E-10	1.21E-09	1.60E-09
6731	437182.11	3762203.68	4.66E-09	1.59E-08	2.05E-08	7.24E-10	2.59E-09	3.32E-09	3.90E-10	1.20E-09	1.59E-09
6732	437191.01	3762199.94	4.63E-09	1.58E-08	2.04E-08	7.19E-10	2.58E-09	3.30E-09	3.87E-10	1.20E-09	1.58E-09
6733	437199.92	3762196.2	4.6E-09	1.57E-08	2.03E-08	7.14E-10	2.56E-09	3.27E-09	3.85E-10	1.19E-09	1.57E-09
6734	437208.83	3762192.47	4.56E-09	1.56E-08	2.01E-08	7.09E-10	2.54E-09	3.25E-09	3.82E-10	1.18E-09	1.56E-09
6735	437217.73	3762188.73	4.53E-09	1.54E-08	2.00E-08	7.04E-10	2.52E-09	3.23E-09	3.79E-10	1.17E-09	1.55E-09
6736	437226.64	3762184.99	4.49E-09	1.53E-08	1.98E-08	6.98E-10	2.50E-09	3.20E-09	3.76E-10	1.16E-09	1.54E-09
6737	437235.54	3762181.25	4.46E-09	1.52E-08	1.97E-08	6.93E-10	2.48E-09	3.18E-09	3.73E-10	1.15E-09	1.53E-09
6738	437244.45	3762177.51	4.42E-09	1.51E-08	1.95E-08	6.87E-10	2.46E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
6739	437253.35	3762173.78	4.39E-09	1.50E-08	1.94E-08	6.82E-10	2.44E-09	3.13E-09	3.67E-10	1.13E-09	1.50E-09
6740	437262.26	3762170.04	4.36E-09	1.49E-08	1.92E-08	6.77E-10	2.43E-09	3.10E-09	3.65E-10	1.13E-09	1.49E-09
6741	437271.16	3762166.3	4.32E-09	1.47E-08	1.91E-08	6.72E-10	2.41E-09	3.08E-09	3.62E-10	1.12E-09	1.48E-09
6742	437280.07	3762162.56	4.29E-09	1.46E-08	1.89E-08	6.66E-10	2.39E-09	3.06E-09	3.59E-10	1.11E-09	1.47E-09
6743	437288.97	3762158.83	4.26E-09	1.45E-08	1.88E-08	6.61E-10	2.37E-09	3.03E-09	3.56E-10	1.10E-09	1.46E-09
6744	437297.88	3762155.09	4.22E-09	1.44E-08	1.86E-08	6.56E-10	2.35E-09	3.01E-09	3.53E-10	1.09E-09	1.44E-09
6745	437306.78	3762151.35	4.19E-09	1.43E-08	1.85E-08	6.51E-10	2.33E-09	2.99E-09	3.51E-10	1.08E-09	1.43E-09
6746	437315.69	3762147.61	4.16E-09	1.42E-08	1.83E-08	6.46E-10	2.32E-09	2.96E-09	3.48E-10	1.07E-09	1.42E-09
6747	437324.59	3762143.87	4.13E-09	1.41E-08	1.82E-08	6.42E-10	2.30E-09	2.94E-09	3.46E-10	1.07E-09	1.41E-09
6748	437333.5	3762140.14	4.1E-09	1.40E-08	1.81E-08	6.37E-10	2.29E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
6749	437342.4	3762136.4	4.08E-09	1.39E-08	1.80E-08	6.33E-10	2.27E-09	2.90E-09	3.41E-10	1.05E-09	1.39E-09
6750	437351.31	3762132.66	4.05E-09	1.38E-08	1.79E-08	6.29E-10	2.26E-09	2.89E-09	3.39E-10	1.05E-09	1.39E-09
6751	436793.8	3762708.61	6.63E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.72E-09	5.55E-10	1.71E-09	2.27E-09
6752	436793.8	3762718.3	6.67E-09	2.28E-08	2.94E-08	1.04E-09	3.72E-09	4.75E-09	5.58E-10	1.72E-09	2.28E-09
6753	436793.8	3762728	6.71E-09	2.29E-08	2.96E-08	1.04E-09	3.74E-09	4.78E-09	5.62E-10	1.73E-09	2.30E-09
6754	436793.8	3762737.69	6.74E-09	2.30E-08	2.97E-08	1.05E-09	3.75E-09	4.80E-09	5.64E-10	1.74E-09	2.31E-09
6755	436793.8	3762747.39	6.76E-09	2.31E-08	2.98E-08	1.05E-09	3.77E-09	4.82E-09	5.66E-10	1.75E-09	2.31E-09
6756	436793.8	3762757.09	6.78E-09	2.31E-08	2.99E-08	1.05E-09	3.77E-09	4.83E-09	5.67E-10	1.75E-09	2.32E-09
6757	436793.8	3762766.78	6.78E-09	2.31E-08	2.99E-08	1.05E-09	3.78E-09	4.83E-09	5.68E-10	1.75E-09	2.32E-09
6758	436793.8	3762776.48	6.78E-09	2.31E-08	2.99E-08	1.05E-09	3.78E-09	4.83E-09	5.68E-10	1.75E-09	2.32E-09
6759	436793.8	3762786.17	6.78E-09	2.31E-08	2.99E-08	1.05E-09	3.78E-09	4.83E-09	5.67E-10	1.75E-09	2.32E-09
6760	436793.8	3762795.87	6.77E-09	2.31E-08	2.98E-08	1.05E-09	3.77E-09	4.82E-09	5.66E-10	1.75E-09	2.32E-09
6761	436793.8	3762805.56	6.75E-09	2.30E-08	2.98E-08	1.05E-09	3.76E-09	4.81E-09	5.65E-10	1.74E-09	2.31E-09
6762	436793.8	3762815.26	6.73E-09	2.29E-08	2.97E-08	1.05E-09	3.75E-09	4.79E-09	5.63E-10	1.74E-09	2.30E-09
6763	436793.8	3762824.96	6.7E-09	2.28E-08	2.95E-08	1.04E-09	3.73E-09	4.77E-09	5.61E-10	1.73E-09	2.29E-09
6764	436793.8	3762834.65	6.67E-09	2.27E-08	2.94E-08	1.04E-09	3.71E-09	4.75E-09	5.58E-10	1.72E-09	2.28E-09
6765	436793.8	3762844.35	6.63E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.72E-09	5.55E-10	1.71E-09	2.27E-09
6766	436793.8	3762854.04	6.59E-09	2.25E-08	2.91E-08	1.02E-09	3.67E-09	4.69E-09	5.51E-10	1.70E-09	2.25E-09
6767	436767.43	3762690.1	6.07E-09	2.07E-08	2.68E-08	9.43E-10	3.38E-09	4.32E-09	5.08E-10	1.57E-09	2.08E-09

6768	436771.07	3762681.29	6.08E-09	2.07E-08	2.68E-08	9.45E-10	3.39E-09	4.33E-09	5.09E-10	1.57E-09	2.08E-09
6769	436774.7	3762672.48	6.09E-09	2.08E-08	2.69E-08	9.47E-10	3.39E-09	4.34E-09	5.10E-10	1.57E-09	2.08E-09
6770	436778.33	3762663.67	6.1E-09	2.08E-08	2.69E-08	9.47E-10	3.40E-09	4.34E-09	5.10E-10	1.58E-09	2.09E-09
6771	436781.97	3762654.86	6.1E-09	2.08E-08	2.69E-08	9.47E-10	3.40E-09	4.34E-09	5.10E-10	1.58E-09	2.09E-09
6772	436785.6	3762646.04	6.09E-09	2.08E-08	2.69E-08	9.47E-10	3.39E-09	4.34E-09	5.10E-10	1.57E-09	2.08E-09
6773	436789.23	3762637.23	6.08E-09	2.07E-08	2.68E-08	9.45E-10	3.39E-09	4.33E-09	5.09E-10	1.57E-09	2.08E-09
6774	436792.87	3762628.42	6.07E-09	2.07E-08	2.68E-08	9.43E-10	3.38E-09	4.32E-09	5.08E-10	1.57E-09	2.08E-09
6775	436796.5	3762619.61	6.05E-09	2.06E-08	2.67E-08	9.40E-10	3.37E-09	4.31E-09	5.06E-10	1.56E-09	2.07E-09
6776	436800.13	3762610.8	6.02E-09	2.05E-08	2.66E-08	9.36E-10	3.36E-09	4.29E-09	5.04E-10	1.56E-09	2.06E-09
6777	436803.77	3762601.99	5.99E-09	2.04E-08	2.64E-08	9.31E-10	3.34E-09	4.27E-09	5.02E-10	1.55E-09	2.05E-09
6778	436807.4	3762593.18	5.96E-09	2.03E-08	2.63E-08	9.26E-10	3.32E-09	4.25E-09	4.99E-10	1.54E-09	2.04E-09
6779	436811.03	3762584.37	5.92E-09	2.02E-08	2.61E-08	9.20E-10	3.30E-09	4.22E-09	4.96E-10	1.53E-09	2.03E-09
6780	436814.67	3762575.56	5.88E-09	2.01E-08	2.59E-08	9.14E-10	3.28E-09	4.19E-09	4.92E-10	1.52E-09	2.01E-09
6781	436818.3	3762566.75	5.84E-09	1.99E-08	2.58E-08	9.08E-10	3.25E-09	4.16E-09	4.89E-10	1.51E-09	2.00E-09
6782	436821.93	3762557.93	5.8E-09	1.98E-08	2.56E-08	9.01E-10	3.23E-09	4.13E-09	4.86E-10	1.50E-09	1.98E-09
6783	436825.57	3762549.12	5.76E-09	1.96E-08	2.54E-08	8.95E-10	3.21E-09	4.10E-09	4.82E-10	1.49E-09	1.97E-09
6784	436829.2	3762540.31	5.72E-09	1.95E-08	2.52E-08	8.88E-10	3.18E-09	4.07E-09	4.78E-10	1.48E-09	1.96E-09
6785	436832.83	3762531.5	5.68E-09	1.94E-08	2.50E-08	8.82E-10	3.16E-09	4.04E-09	4.75E-10	1.47E-09	1.94E-09
6786	436836.47	3762522.69	5.63E-09	1.92E-08	2.48E-08	8.75E-10	3.14E-09	4.01E-09	4.71E-10	1.46E-09	1.93E-09
6787	436840.1	3762513.88	5.59E-09	1.91E-08	2.46E-08	8.68E-10	3.11E-09	3.98E-09	4.68E-10	1.44E-09	1.91E-09
6788	436843.73	3762505.07	5.54E-09	1.89E-08	2.44E-08	8.61E-10	3.09E-09	3.95E-09	4.64E-10	1.43E-09	1.90E-09
6789	436847.37	3762496.26	5.5E-09	1.87E-08	2.42E-08	8.54E-10	3.06E-09	3.92E-09	4.60E-10	1.42E-09	1.88E-09
6790	436851	3762487.45	5.45E-09	1.86E-08	2.40E-08	8.47E-10	3.04E-09	3.88E-09	4.56E-10	1.41E-09	1.86E-09
6791	436854.63	3762478.64	5.4E-09	1.84E-08	2.38E-08	8.39E-10	3.01E-09	3.85E-09	4.52E-10	1.40E-09	1.85E-09
6792	436858.27	3762469.82	5.35E-09	1.83E-08	2.36E-08	8.32E-10	2.98E-09	3.81E-09	4.48E-10	1.38E-09	1.83E-09
6793	436872.8	3762434.58	5.16E-09	1.76E-08	2.27E-08	8.02E-10	2.87E-09	3.68E-09	4.32E-10	1.33E-09	1.76E-09
6794	436876.43	3762425.77	5.11E-09	1.74E-08	2.25E-08	7.94E-10	2.85E-09	3.64E-09	4.28E-10	1.32E-09	1.75E-09
6795	436880.07	3762416.96	5.06E-09	1.73E-08	2.23E-08	7.86E-10	2.82E-09	3.61E-09	4.24E-10	1.31E-09	1.73E-09
6796	436883.7	3762408.15	5.01E-09	1.71E-08	2.21E-08	7.79E-10	2.79E-09	3.57E-09	4.19E-10	1.29E-09	1.71E-09
6797	436887.34	3762399.34	4.96E-09	1.69E-08	2.19E-08	7.71E-10	2.76E-09	3.54E-09	4.15E-10	1.28E-09	1.70E-09
6798	436890.97	3762390.53	4.91E-09	1.68E-08	2.17E-08	7.63E-10	2.74E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
6799	436894.6	3762381.72	4.87E-09	1.66E-08	2.15E-08	7.56E-10	2.71E-09	3.47E-09	4.07E-10	1.26E-09	1.67E-09
6800	436898.24	3762372.9	4.82E-09	1.64E-08	2.13E-08	7.49E-10	2.69E-09	3.44E-09	4.04E-10	1.25E-09	1.65E-09
6801	436901.87	3762364.09	4.76E-09	1.62E-08	2.10E-08	7.40E-10	2.65E-09	3.39E-09	3.98E-10	1.23E-09	1.63E-09
6802	436905.5	3762355.28	4.71E-09	1.61E-08	2.08E-08	7.32E-10	2.63E-09	3.36E-09	3.95E-10	1.22E-09	1.61E-09
6803	436909.14	3762346.47	4.66E-09	1.59E-08	2.06E-08	7.25E-10	2.60E-09	3.32E-09	3.90E-10	1.21E-09	1.60E-09
6804	436912.77	3762337.66	4.62E-09	1.57E-08	2.04E-08	7.17E-10	2.57E-09	3.29E-09	3.86E-10	1.19E-09	1.58E-09
6805	436916.4	3762328.85	4.57E-09	1.56E-08	2.01E-08	7.10E-10	2.54E-09	3.25E-09	3.82E-10	1.18E-09	1.56E-09
6806	436920.04	3762320.04	4.51E-09	1.54E-08	1.99E-08	7.01E-10	2.51E-09	3.22E-09	3.78E-10	1.17E-09	1.54E-09
6807	436923.67	3762311.23	4.46E-09	1.52E-08	1.97E-08	6.93E-10	2.48E-09	3.18E-09	3.73E-10	1.15E-09	1.53E-09
6808	436927.3	3762302.42	4.4E-09	1.50E-08	1.94E-08	6.84E-10	2.45E-09	3.14E-09	3.69E-10	1.14E-09	1.51E-09
6809	436930.94	3762293.61	4.35E-09	1.48E-08	1.92E-08	6.76E-10	2.42E-09	3.10E-09	3.64E-10	1.12E-09	1.49E-09
6810	436934.57	3762284.79	4.3E-09	1.47E-08	1.90E-08	6.68E-10	2.39E-09	3.06E-09	3.60E-10	1.11E-09	1.47E-09
6811	436946.99	3762272.29	4.28E-09	1.46E-08	1.89E-08	6.64E-10	2.38E-09	3.05E-09	3.58E-10	1.10E-09	1.46E-09
6812	436982.14	3762257.54	4.37E-09	1.49E-08	1.93E-08	6.79E-10	2.44E-09	3.12E-09	3.66E-10	1.13E-09	1.50E-09
6813	436990.93	3762253.85	4.39E-09	1.50E-08	1.94E-08	6.82E-10	2.45E-09	3.13E-09	3.68E-10	1.13E-09	1.50E-09
6814	436999.72	3762250.16	4.41E-09	1.50E-08	1.94E-08	6.85E-10	2.46E-09	3.14E-09	3.69E-10	1.14E-09	1.51E-09
6815	437008.51	3762246.47	4.43E-09	1.51E-08	1.95E-08	6.88E-10	2.47E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
6816	437017.29	3762242.78	4.44E-09	1.51E-08	1.96E-08	6.90E-10	2.47E-09	3.16E-09	3.71E-10	1.15E-09	1.52E-09
6817	437026.08	3762239.1	4.45E-09	1.52E-08	1.96E-08	6.91E-10	2.48E-09	3.17E-09	3.72E-10	1.15E-09	1.52E-09
6818	437034.87	3762235.41	4.46E-09	1.52E-08	1.96E-08	6.92E-10	2.48E-09	3.17E-09	3.73E-10	1.15E-09	1.52E-09
6819	437043.66	3762231.72	4.46E-09	1.52E-08	1.97E-08	6.93E-10	2.48E-09	3.18E-09	3.73E-10	1.15E-09	1.53E-09
6820	437052.45	3762228.03	4.46E-09	1.52E-08	1.97E-08	6.93E-10	2.49E-09	3.18E-09	3.73E-10	1.15E-09	1.53E-09
6821	437061.23	3762224.34	4.46E-09	1.52E-08	1.97E-08	6.93E-10	2.49E-09	3.18E-09	3.73E-10	1.15E-09	1.53E-09
6822	437070.02	3762220.65	4.46E-09	1.52E-08	1.97E-08	6.93E-10	2.48E-09	3.18E-09	3.73E-10	1.15E-09	1.53E-09
6823	437078.81	3762216.96	4.45E-09	1.52E-08	1.96E-08	6.92E-10	2.48E-09	3.17E-09	3.73E-10	1.15E-09	1.52E-09
6824	437087.6	3762213.27	4.45E-09	1.52E-08	1.96E-08	6.91E-10	2.48E-09	3.17E-09	3.72E-10	1.15E-09	1.52E-09
6825	437096.39	3762209.59	4.44E-09	1.51E-08	1.96E-08	6.90E-10	2.47E-09	3.16E-09	3.72E-10	1.15E-09	1.52E-09
6826	437105.17	3762205.9	4.43E-09	1.51E-08	1.95E-08	6.88E-10	2.47E-09	3.15E-09	3.71E-10	1.14E-09	1.51E-09
6827	437113.96	3762202.21	4.41E-09	1.51E-08	1.95E-08	6.86E-10	2.46E-09	3.14E-09	3.69E-10	1.14E-09	1.51E-09
6828	437122.75	3762198.52	4.4E-09	1.50E-08	1.94E-08	6.83E-10	2.45E-09	3.13E-09	3.68E-10	1.14E-09	1.50E-09

6829	437131.54	3762194.83	4.38E-09	1.49E-08	1.93E-08	6.81E-10	2.44E-09	3.12E-09	3.67E-10	1.13E-09	1.50E-09
6830	437140.32	3762191.14	4.36E-09	1.49E-08	1.92E-08	6.77E-10	2.43E-09	3.11E-09	3.65E-10	1.13E-09	1.49E-09
6831	437149.11	3762187.45	4.34E-09	1.48E-08	1.91E-08	6.74E-10	2.42E-09	3.09E-09	3.63E-10	1.12E-09	1.48E-09
6832	437157.9	3762183.76	4.31E-09	1.47E-08	1.90E-08	6.70E-10	2.40E-09	3.07E-09	3.61E-10	1.11E-09	1.48E-09
6833	437166.69	3762180.08	4.29E-09	1.46E-08	1.89E-08	6.66E-10	2.39E-09	3.06E-09	3.59E-10	1.11E-09	1.47E-09
6834	437175.48	3762176.39	4.26E-09	1.45E-08	1.88E-08	6.62E-10	2.38E-09	3.04E-09	3.57E-10	1.10E-09	1.46E-09
6835	437184.26	3762172.7	4.24E-09	1.44E-08	1.87E-08	6.58E-10	2.36E-09	3.02E-09	3.55E-10	1.09E-09	1.45E-09
6836	437193.05	3762169.01	4.21E-09	1.43E-08	1.86E-08	6.54E-10	2.34E-09	3.00E-09	3.52E-10	1.09E-09	1.44E-09
6837	437201.84	3762165.32	4.18E-09	1.43E-08	1.84E-08	6.49E-10	2.33E-09	2.98E-09	3.50E-10	1.08E-09	1.43E-09
6838	437210.63	3762161.63	4.15E-09	1.41E-08	1.83E-08	6.45E-10	2.31E-09	2.96E-09	3.47E-10	1.07E-09	1.42E-09
6839	437219.42	3762157.94	4.12E-09	1.40E-08	1.82E-08	6.40E-10	2.29E-09	2.93E-09	3.45E-10	1.06E-09	1.41E-09
6840	437228.2	3762154.25	4.09E-09	1.39E-08	1.80E-08	6.35E-10	2.28E-09	2.91E-09	3.42E-10	1.06E-09	1.40E-09
6841	437236.99	3762150.56	4.06E-09	1.38E-08	1.79E-08	6.30E-10	2.26E-09	2.89E-09	3.40E-10	1.05E-09	1.39E-09
6842	437245.78	3762146.88	4.03E-09	1.37E-08	1.78E-08	6.25E-10	2.24E-09	2.87E-09	3.37E-10	1.04E-09	1.38E-09
6843	437254.57	3762143.19	4E-09	1.36E-08	1.76E-08	6.21E-10	2.23E-09	2.85E-09	3.34E-10	1.03E-09	1.37E-09
6844	437263.36	3762139.5	3.97E-09	1.35E-08	1.75E-08	6.16E-10	2.21E-09	2.82E-09	3.32E-10	1.02E-09	1.36E-09
6845	437272.14	3762135.81	3.94E-09	1.34E-08	1.74E-08	6.12E-10	2.19E-09	2.80E-09	3.29E-10	1.02E-09	1.35E-09
6846	437280.93	3762132.12	3.91E-09	1.33E-08	1.72E-08	6.07E-10	2.18E-09	2.78E-09	3.27E-10	1.01E-09	1.34E-09
6847	437289.72	3762128.43	3.88E-09	1.32E-08	1.71E-08	6.03E-10	2.16E-09	2.76E-09	3.25E-10	1.00E-09	1.33E-09
6848	437298.51	3762124.74	3.85E-09	1.31E-08	1.70E-08	5.98E-10	2.15E-09	2.74E-09	3.22E-10	9.95E-10	1.32E-09
6849	437307.3	3762121.05	3.82E-09	1.30E-08	1.69E-08	5.94E-10	2.13E-09	2.72E-09	3.20E-10	9.88E-10	1.31E-09
6850	437316.08	3762117.37	3.8E-09	1.30E-08	1.68E-08	5.90E-10	2.12E-09	2.71E-09	3.18E-10	9.82E-10	1.30E-09
6851	437324.87	3762113.68	3.77E-09	1.29E-08	1.66E-08	5.86E-10	2.10E-09	2.69E-09	3.16E-10	9.75E-10	1.29E-09
6852	437333.66	3762109.99	3.75E-09	1.28E-08	1.65E-08	5.83E-10	2.09E-09	2.67E-09	3.14E-10	9.69E-10	1.28E-09
6853	437342.45	3762106.3	3.73E-09	1.27E-08	1.64E-08	5.79E-10	2.08E-09	2.66E-09	3.12E-10	9.63E-10	1.28E-09
6854	437351.23	3762102.61	3.71E-09	1.26E-08	1.63E-08	5.76E-10	2.06E-09	2.64E-09	3.10E-10	9.58E-10	1.27E-09
6855	436763.8	3762698.91	6.05E-09	2.06E-08	2.67E-08	9.40E-10	3.37E-09	4.31E-09	5.06E-10	1.56E-09	2.07E-09
6856	436763.8	3762708.61	6.09E-09	2.08E-08	2.68E-08	9.46E-10	3.39E-09	4.34E-09	5.09E-10	1.57E-09	2.08E-09
6857	436763.8	3762718.3	6.12E-09	2.09E-08	2.70E-08	9.51E-10	3.41E-09	4.36E-09	5.12E-10	1.58E-09	2.09E-09
6858	436763.8	3762728	6.15E-09	2.10E-08	2.71E-08	9.55E-10	3.43E-09	4.38E-09	5.15E-10	1.59E-09	2.10E-09
6859	436763.8	3762737.69	6.17E-09	2.10E-08	2.72E-08	9.59E-10	3.44E-09	4.40E-09	5.17E-10	1.59E-09	2.11E-09
6860	436763.8	3762747.39	6.19E-09	2.11E-08	2.73E-08	9.62E-10	3.45E-09	4.41E-09	5.18E-10	1.60E-09	2.12E-09
6861	436763.8	3762757.09	6.2E-09	2.11E-08	2.73E-08	9.63E-10	3.45E-09	4.42E-09	5.19E-10	1.60E-09	2.12E-09
6862	436763.8	3762766.78	6.21E-09	2.12E-08	2.74E-08	9.64E-10	3.46E-09	4.42E-09	5.19E-10	1.60E-09	2.12E-09
6863	436763.8	3762776.48	6.2E-09	2.12E-08	2.74E-08	9.64E-10	3.46E-09	4.42E-09	5.19E-10	1.60E-09	2.12E-09
6864	436763.8	3762786.17	6.2E-09	2.11E-08	2.73E-08	9.63E-10	3.45E-09	4.42E-09	5.19E-10	1.60E-09	2.12E-09
6865	436763.8	3762795.87	6.19E-09	2.11E-08	2.73E-08	9.62E-10	3.45E-09	4.41E-09	5.18E-10	1.60E-09	2.12E-09
6866	436763.8	3762805.56	6.17E-09	2.10E-08	2.72E-08	9.59E-10	3.44E-09	4.40E-09	5.17E-10	1.59E-09	2.11E-09
6867	436763.8	3762815.26	6.15E-09	2.10E-08	2.71E-08	9.56E-10	3.43E-09	4.38E-09	5.15E-10	1.59E-09	2.10E-09
6868	436763.8	3762824.96	6.13E-09	2.09E-08	2.70E-08	9.52E-10	3.41E-09	4.37E-09	5.13E-10	1.58E-09	2.10E-09
6869	436763.8	3762834.65	6.1E-09	2.08E-08	2.69E-08	9.48E-10	3.40E-09	4.35E-09	5.10E-10	1.58E-09	2.09E-09
6870	436763.8	3762844.35	6.07E-09	2.07E-08	2.68E-08	9.43E-10	3.38E-09	4.32E-09	5.08E-10	1.57E-09	2.08E-09
6871	436763.8	3762854.04	6.03E-09	2.06E-08	2.66E-08	9.37E-10	3.36E-09	4.30E-09	5.05E-10	1.56E-09	2.06E-09
6872	436727.45	3762690.06	5.46E-09	1.86E-08	2.41E-08	8.48E-10	3.04E-09	3.89E-09	4.57E-10	1.41E-09	1.87E-09
6873	436731.1	3762681.22	5.47E-09	1.87E-08	2.41E-08	8.50E-10	3.05E-09	3.90E-09	4.58E-10	1.41E-09	1.87E-09
6874	436734.74	3762672.37	5.48E-09	1.87E-08	2.42E-08	8.52E-10	3.05E-09	3.90E-09	4.59E-10	1.42E-09	1.87E-09
6875	436738.39	3762663.53	5.49E-09	1.87E-08	2.42E-08	8.53E-10	3.06E-09	3.91E-09	4.59E-10	1.42E-09	1.88E-09
6876	436742.04	3762654.68	5.49E-09	1.87E-08	2.42E-08	8.53E-10	3.06E-09	3.91E-09	4.59E-10	1.42E-09	1.88E-09
6877	436745.69	3762645.84	5.49E-09	1.87E-08	2.42E-08	8.52E-10	3.06E-09	3.91E-09	4.59E-10	1.42E-09	1.88E-09
6878	436749.33	3762636.99	5.48E-09	1.87E-08	2.42E-08	8.51E-10	3.05E-09	3.90E-09	4.59E-10	1.42E-09	1.87E-09
6879	436752.98	3762628.15	5.47E-09	1.86E-08	2.41E-08	8.50E-10	3.05E-09	3.90E-09	4.58E-10	1.41E-09	1.87E-09
6880	436756.63	3762619.3	5.45E-09	1.86E-08	2.41E-08	8.47E-10	3.04E-09	3.89E-09	4.57E-10	1.41E-09	1.87E-09
6881	436760.28	3762610.45	5.44E-09	1.85E-08	2.40E-08	8.45E-10	3.03E-09	3.87E-09	4.55E-10	1.40E-09	1.86E-09
6882	436763.92	3762601.61	5.41E-09	1.85E-08	2.39E-08	8.41E-10	3.02E-09	3.86E-09	4.53E-10	1.40E-09	1.85E-09
6883	436767.57	3762592.76	5.39E-09	1.84E-08	2.38E-08	8.38E-10	3.00E-09	3.84E-09	4.51E-10	1.39E-09	1.84E-09
6884	436771.22	3762583.92	5.36E-09	1.83E-08	2.36E-08	8.33E-10	2.99E-09	3.82E-09	4.49E-10	1.39E-09	1.83E-09
6885	436774.87	3762575.07	5.33E-09	1.82E-08	2.35E-08	8.29E-10	2.97E-09	3.80E-09	4.46E-10	1.38E-09	1.82E-09
6886	436778.51	3762566.23	5.3E-09	1.81E-08	2.34E-08	8.23E-10	2.95E-09	3.78E-09	4.44E-10	1.37E-09	1.81E-09
6887	436782.16	3762557.38	5.26E-09	1.80E-08	2.32E-08	8.18E-10	2.93E-09	3.75E-09	4.41E-10	1.36E-09	1.80E-09
6888	436785.81	3762548.54	5.23E-09	1.78E-08	2.31E-08	8.12E-10	2.91E-09	3.72E-09	4.38E-10	1.35E-09	1.79E-09
6889	436789.46	3762539.69	5.19E-09	1.77E-08	2.29E-08	8.07E-10	2.89E-09	3.70E-09	4.34E-10	1.34E-09	1.78E-09

6890	436793.11	3762530.85	5.15E-09	1.76E-08	2.27E-08	8.01E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
6891	436796.75	3762522	5.11E-09	1.74E-08	2.26E-08	7.95E-10	2.85E-09	3.64E-09	4.28E-10	1.32E-09	1.75E-09
6892	436800.4	3762513.15	5.08E-09	1.73E-08	2.24E-08	7.89E-10	2.83E-09	3.62E-09	4.25E-10	1.31E-09	1.74E-09
6893	436804.05	3762504.31	5.04E-09	1.72E-08	2.22E-08	7.82E-10	2.81E-09	3.59E-09	4.21E-10	1.30E-09	1.72E-09
6894	436807.7	3762495.46	4.99E-09	1.70E-08	2.20E-08	7.76E-10	2.78E-09	3.56E-09	4.18E-10	1.29E-09	1.71E-09
6895	436811.34	3762486.62	4.95E-09	1.69E-08	2.18E-08	7.70E-10	2.76E-09	3.53E-09	4.15E-10	1.28E-09	1.69E-09
6896	436814.99	3762477.77	4.91E-09	1.68E-08	2.17E-08	7.63E-10	2.74E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
6897	436818.64	3762468.93	4.87E-09	1.66E-08	2.15E-08	7.57E-10	2.71E-09	3.47E-09	4.08E-10	1.26E-09	1.67E-09
6898	436822.29	3762460.08	4.83E-09	1.65E-08	2.13E-08	7.51E-10	2.69E-09	3.44E-09	4.05E-10	1.25E-09	1.65E-09
6899	436840.52	3762415.85	4.63E-09	1.58E-08	2.04E-08	7.19E-10	2.58E-09	3.30E-09	3.87E-10	1.20E-09	1.58E-09
6900	436844.17	3762407.01	4.58E-09	1.56E-08	2.02E-08	7.12E-10	2.55E-09	3.27E-09	3.84E-10	1.18E-09	1.57E-09
6901	436847.82	3762398.16	4.54E-09	1.55E-08	2.00E-08	7.05E-10	2.53E-09	3.23E-09	3.80E-10	1.17E-09	1.55E-09
6902	436851.47	3762389.32	4.5E-09	1.53E-08	1.98E-08	6.99E-10	2.50E-09	3.20E-09	3.76E-10	1.16E-09	1.54E-09
6903	436855.11	3762380.47	4.46E-09	1.52E-08	1.96E-08	6.92E-10	2.48E-09	3.17E-09	3.73E-10	1.15E-09	1.52E-09
6904	436858.76	3762371.63	4.42E-09	1.51E-08	1.95E-08	6.86E-10	2.46E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
6905	436862.41	3762362.78	4.35E-09	1.48E-08	1.92E-08	6.76E-10	2.43E-09	3.10E-09	3.64E-10	1.12E-09	1.49E-09
6906	436866.06	3762353.93	4.32E-09	1.47E-08	1.90E-08	6.70E-10	2.40E-09	3.07E-09	3.61E-10	1.11E-09	1.48E-09
6907	436869.71	3762345.09	4.28E-09	1.46E-08	1.89E-08	6.64E-10	2.38E-09	3.05E-09	3.58E-10	1.10E-09	1.46E-09
6908	436873.35	3762336.24	4.24E-09	1.44E-08	1.87E-08	6.58E-10	2.36E-09	3.02E-09	3.54E-10	1.09E-09	1.45E-09
6909	436877	3762327.4	4.19E-09	1.43E-08	1.85E-08	6.52E-10	2.34E-09	2.99E-09	3.51E-10	1.08E-09	1.43E-09
6910	436880.65	3762318.55	4.16E-09	1.42E-08	1.83E-08	6.46E-10	2.32E-09	2.96E-09	3.48E-10	1.07E-09	1.42E-09
6911	436884.3	3762309.71	4.12E-09	1.40E-08	1.82E-08	6.40E-10	2.29E-09	2.93E-09	3.45E-10	1.06E-09	1.41E-09
6912	436887.94	3762300.86	4.08E-09	1.39E-08	1.80E-08	6.33E-10	2.27E-09	2.90E-09	3.41E-10	1.05E-09	1.39E-09
6913	436891.59	3762292.02	4.04E-09	1.38E-08	1.78E-08	6.27E-10	2.25E-09	2.88E-09	3.38E-10	1.04E-09	1.38E-09
6914	436895.24	3762283.17	3.99E-09	1.36E-08	1.76E-08	6.21E-10	2.23E-09	2.85E-09	3.34E-10	1.03E-09	1.37E-09
6915	436898.89	3762274.32	3.95E-09	1.35E-08	1.74E-08	6.14E-10	2.20E-09	2.82E-09	3.31E-10	1.02E-09	1.35E-09
6916	436902.53	3762265.48	3.91E-09	1.33E-08	1.72E-08	6.07E-10	2.18E-09	2.78E-09	3.27E-10	1.01E-09	1.34E-09
6917	436906.18	3762256.63	3.87E-09	1.32E-08	1.70E-08	6.01E-10	2.15E-09	2.75E-09	3.24E-10	9.99E-10	1.32E-09
6918	436918.65	3762244.09	3.85E-09	1.31E-08	1.70E-08	5.98E-10	2.14E-09	2.74E-09	3.22E-10	9.94E-10	1.32E-09
6919	436953.94	3762229.27	3.93E-09	1.34E-08	1.73E-08	6.10E-10	2.19E-09	2.80E-09	3.29E-10	1.01E-09	1.34E-09
6920	436962.76	3762225.57	3.94E-09	1.34E-08	1.74E-08	6.13E-10	2.20E-09	2.81E-09	3.30E-10	1.02E-09	1.35E-09
6921	436971.59	3762221.87	3.96E-09	1.35E-08	1.75E-08	6.15E-10	2.21E-09	2.82E-09	3.31E-10	1.02E-09	1.35E-09
6922	436980.41	3762218.16	3.97E-09	1.35E-08	1.75E-08	6.17E-10	2.21E-09	2.83E-09	3.32E-10	1.03E-09	1.36E-09
6923	436989.23	3762214.46	3.98E-09	1.36E-08	1.76E-08	6.19E-10	2.22E-09	2.84E-09	3.33E-10	1.03E-09	1.36E-09
6924	436998.05	3762210.76	4E-09	1.36E-08	1.76E-08	6.21E-10	2.23E-09	2.85E-09	3.34E-10	1.03E-09	1.37E-09
6925	437006.88	3762207.05	4E-09	1.37E-08	1.77E-08	6.22E-10	2.23E-09	2.85E-09	3.35E-10	1.03E-09	1.37E-09
6926	437015.7	3762203.35	4.01E-09	1.37E-08	1.77E-08	6.23E-10	2.23E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
6927	437024.52	3762199.65	4.01E-09	1.37E-08	1.77E-08	6.24E-10	2.24E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
6928	437033.34	3762195.94	4.01E-09	1.37E-08	1.77E-08	6.24E-10	2.24E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
6929	437042.17	3762192.24	4.01E-09	1.37E-08	1.77E-08	6.24E-10	2.24E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
6930	437050.99	3762188.54	4.01E-09	1.37E-08	1.77E-08	6.23E-10	2.23E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
6931	437059.81	3762184.83	4.01E-09	1.37E-08	1.77E-08	6.22E-10	2.23E-09	2.85E-09	3.35E-10	1.04E-09	1.37E-09
6932	437068.63	3762181.13	4E-09	1.36E-08	1.76E-08	6.21E-10	2.23E-09	2.85E-09	3.35E-10	1.03E-09	1.37E-09
6933	437077.45	3762177.43	3.99E-09	1.36E-08	1.76E-08	6.20E-10	2.22E-09	2.84E-09	3.34E-10	1.03E-09	1.37E-09
6934	437086.28	3762173.72	3.98E-09	1.36E-08	1.75E-08	6.18E-10	2.22E-09	2.84E-09	3.33E-10	1.03E-09	1.36E-09
6935	437095.1	3762170.02	3.97E-09	1.35E-08	1.75E-08	6.16E-10	2.21E-09	2.83E-09	3.32E-10	1.03E-09	1.36E-09
6936	437103.92	3762166.32	3.95E-09	1.35E-08	1.74E-08	6.14E-10	2.20E-09	2.82E-09	3.31E-10	1.02E-09	1.35E-09
6937	437112.74	3762162.61	3.94E-09	1.34E-08	1.74E-08	6.12E-10	2.19E-09	2.81E-09	3.30E-10	1.02E-09	1.35E-09
6938	437121.57	3762158.91	3.92E-09	1.34E-08	1.73E-08	6.09E-10	2.18E-09	2.79E-09	3.28E-10	1.01E-09	1.34E-09
6939	437130.39	3762155.21	3.9E-09	1.33E-08	1.72E-08	6.06E-10	2.17E-09	2.78E-09	3.27E-10	1.01E-09	1.34E-09
6940	437139.21	3762151.5	3.88E-09	1.32E-08	1.71E-08	6.03E-10	2.16E-09	2.77E-09	3.25E-10	1.00E-09	1.33E-09
6941	437148.03	3762147.8	3.86E-09	1.32E-08	1.70E-08	6.00E-10	2.15E-09	2.75E-09	3.23E-10	9.98E-10	1.32E-09
6942	437156.86	3762144.1	3.84E-09	1.31E-08	1.69E-08	5.96E-10	2.14E-09	2.73E-09	3.21E-10	9.92E-10	1.31E-09
6943	437165.68	3762140.39	3.82E-09	1.30E-08	1.68E-08	5.93E-10	2.13E-09	2.72E-09	3.19E-10	9.86E-10	1.31E-09
6944	437174.5	3762136.69	3.79E-09	1.29E-08	1.67E-08	5.89E-10	2.11E-09	2.70E-09	3.17E-10	9.80E-10	1.30E-09
6945	437183.32	3762132.99	3.77E-09	1.28E-08	1.66E-08	5.85E-10	2.10E-09	2.68E-09	3.15E-10	9.74E-10	1.29E-09
6946	437192.15	3762129.28	3.74E-09	1.28E-08	1.65E-08	5.82E-10	2.09E-09	2.67E-09	3.13E-10	9.67E-10	1.28E-09
6947	437200.97	3762125.58	3.72E-09	1.27E-08	1.64E-08	5.77E-10	2.07E-09	2.65E-09	3.11E-10	9.60E-10	1.27E-09
6948	437209.79	3762121.88	3.69E-09	1.26E-08	1.63E-08	5.73E-10	2.06E-09	2.63E-09	3.09E-10	9.53E-10	1.26E-09
6949	437218.61	3762118.17	3.66E-09	1.25E-08	1.62E-08	5.69E-10	2.04E-09	2.61E-09	3.07E-10	9.47E-10	1.25E-09
6950	437227.44	3762114.47	3.64E-09	1.24E-08	1.60E-08	5.65E-10	2.03E-09	2.59E-09	3.04E-10	9.39E-10	1.24E-09

6951	437236.26	3762110.77	3.61E-09	1.23E-08	1.59E-08	5.61E-10	2.01E-09	2.57E-09	3.02E-10	9.33E-10	1.23E-09
6952	437245.08	3762107.06	3.58E-09	1.22E-08	1.58E-08	5.57E-10	2.00E-09	2.55E-09	3.00E-10	9.26E-10	1.23E-09
6953	437253.9	3762103.36	3.56E-09	1.21E-08	1.57E-08	5.53E-10	1.98E-09	2.53E-09	2.98E-10	9.19E-10	1.22E-09
6954	437262.72	3762099.66	3.53E-09	1.20E-08	1.56E-08	5.49E-10	1.97E-09	2.52E-09	2.96E-10	9.12E-10	1.21E-09
6955	437271.55	3762095.96	3.51E-09	1.20E-08	1.55E-08	5.45E-10	1.95E-09	2.50E-09	2.93E-10	9.06E-10	1.20E-09
6956	437280.37	3762092.25	3.48E-09	1.19E-08	1.54E-08	5.41E-10	1.94E-09	2.48E-09	2.91E-10	9.00E-10	1.19E-09
6957	437289.19	3762088.55	3.46E-09	1.18E-08	1.53E-08	5.37E-10	1.93E-09	2.46E-09	2.90E-10	8.94E-10	1.18E-09
6958	436723.8	3762698.91	5.43E-09	1.85E-08	2.40E-08	8.44E-10	3.03E-09	3.87E-09	4.55E-10	1.40E-09	1.86E-09
6959	436723.8	3762708.61	5.46E-09	1.86E-08	2.41E-08	8.49E-10	3.04E-09	3.89E-09	4.57E-10	1.41E-09	1.87E-09
6960	436723.8	3762718.3	5.49E-09	1.87E-08	2.42E-08	8.53E-10	3.06E-09	3.91E-09	4.59E-10	1.42E-09	1.88E-09
6961	436723.8	3762728	5.51E-09	1.88E-08	2.43E-08	8.56E-10	3.07E-09	3.93E-09	4.61E-10	1.42E-09	1.88E-09
6962	436723.8	3762737.69	5.53E-09	1.88E-08	2.44E-08	8.59E-10	3.08E-09	3.94E-09	4.62E-10	1.43E-09	1.89E-09
6963	436723.8	3762747.39	5.54E-09	1.89E-08	2.44E-08	8.60E-10	3.08E-09	3.94E-09	4.63E-10	1.43E-09	1.89E-09
6964	436723.8	3762757.09	5.54E-09	1.89E-08	2.44E-08	8.61E-10	3.09E-09	3.95E-09	4.64E-10	1.43E-09	1.90E-09
6965	436723.8	3762766.78	5.55E-09	1.89E-08	2.45E-08	8.62E-10	3.09E-09	3.95E-09	4.64E-10	1.43E-09	1.90E-09
6966	436723.8	3762776.48	5.54E-09	1.89E-08	2.44E-08	8.61E-10	3.09E-09	3.95E-09	4.64E-10	1.43E-09	1.90E-09
6967	436723.8	3762786.17	5.54E-09	1.89E-08	2.44E-08	8.60E-10	3.08E-09	3.94E-09	4.63E-10	1.43E-09	1.89E-09
6968	436723.8	3762795.87	5.53E-09	1.88E-08	2.44E-08	8.59E-10	3.08E-09	3.94E-09	4.63E-10	1.43E-09	1.89E-09
6969	436723.8	3762805.56	5.51E-09	1.88E-08	2.43E-08	8.57E-10	3.07E-09	3.93E-09	4.61E-10	1.42E-09	1.89E-09
6970	436723.8	3762815.26	5.5E-09	1.87E-08	2.42E-08	8.54E-10	3.06E-09	3.92E-09	4.60E-10	1.42E-09	1.88E-09
6971	436723.8	3762824.96	5.47E-09	1.87E-08	2.41E-08	8.51E-10	3.05E-09	3.90E-09	4.58E-10	1.41E-09	1.87E-09
6972	436723.8	3762834.65	5.45E-09	1.86E-08	2.40E-08	8.47E-10	3.04E-09	3.88E-09	4.56E-10	1.41E-09	1.86E-09
6973	436723.8	3762844.35	5.42E-09	1.85E-08	2.39E-08	8.43E-10	3.02E-09	3.86E-09	4.54E-10	1.40E-09	1.86E-09
6974	436723.8	3762854.04	5.39E-09	1.84E-08	2.38E-08	8.38E-10	3.00E-09	3.84E-09	4.51E-10	1.39E-09	1.85E-09
6975	436687.46	3762690.03	4.93E-09	1.68E-08	2.18E-08	7.66E-10	2.75E-09	3.51E-09	4.13E-10	1.27E-09	1.69E-09
6976	436691.12	3762681.16	4.95E-09	1.69E-08	2.18E-08	7.69E-10	2.76E-09	3.53E-09	4.14E-10	1.28E-09	1.69E-09
6977	436694.78	3762672.28	4.96E-09	1.69E-08	2.19E-08	7.71E-10	2.76E-09	3.53E-09	4.15E-10	1.28E-09	1.70E-09
6978	436698.44	3762663.41	4.97E-09	1.69E-08	2.19E-08	7.72E-10	2.77E-09	3.54E-09	4.16E-10	1.28E-09	1.70E-09
6979	436702.1	3762654.53	4.97E-09	1.70E-08	2.19E-08	7.73E-10	2.77E-09	3.54E-09	4.16E-10	1.29E-09	1.70E-09
6980	436705.76	3762645.65	4.97E-09	1.70E-08	2.19E-08	7.73E-10	2.77E-09	3.54E-09	4.16E-10	1.29E-09	1.70E-09
6981	436709.42	3762636.78	4.97E-09	1.70E-08	2.19E-08	7.72E-10	2.77E-09	3.54E-09	4.16E-10	1.28E-09	1.70E-09
6982	436713.08	3762627.9	4.96E-09	1.69E-08	2.19E-08	7.71E-10	2.77E-09	3.54E-09	4.16E-10	1.28E-09	1.70E-09
6983	436716.74	3762619.02	4.95E-09	1.69E-08	2.18E-08	7.70E-10	2.76E-09	3.53E-09	4.15E-10	1.28E-09	1.69E-09
6984	436720.4	3762610.15	4.94E-09	1.68E-08	2.18E-08	7.67E-10	2.75E-09	3.52E-09	4.13E-10	1.28E-09	1.69E-09
6985	436724.06	3762601.27	4.92E-09	1.68E-08	2.17E-08	7.65E-10	2.74E-09	3.51E-09	4.12E-10	1.27E-09	1.68E-09
6986	436727.72	3762592.4	4.9E-09	1.67E-08	2.16E-08	7.61E-10	2.73E-09	3.49E-09	4.10E-10	1.27E-09	1.68E-09
6987	436731.38	3762583.52	4.88E-09	1.66E-08	2.15E-08	7.58E-10	2.72E-09	3.47E-09	4.08E-10	1.26E-09	1.67E-09
6988	436735.04	3762574.64	4.85E-09	1.65E-08	2.14E-08	7.54E-10	2.70E-09	3.46E-09	4.06E-10	1.25E-09	1.66E-09
6989	436738.7	3762565.77	4.83E-09	1.65E-08	2.13E-08	7.50E-10	2.69E-09	3.44E-09	4.04E-10	1.25E-09	1.65E-09
6990	436742.36	3762556.89	4.8E-09	1.64E-08	2.12E-08	7.45E-10	2.67E-09	3.42E-09	4.02E-10	1.24E-09	1.64E-09
6991	436746.03	3762548.01	4.77E-09	1.63E-08	2.10E-08	7.41E-10	2.66E-09	3.40E-09	3.99E-10	1.23E-09	1.63E-09
6992	436749.69	3762539.14	4.74E-09	1.62E-08	2.09E-08	7.36E-10	2.64E-09	3.37E-09	3.96E-10	1.22E-09	1.62E-09
6993	436753.35	3762530.26	4.7E-09	1.60E-08	2.07E-08	7.31E-10	2.62E-09	3.35E-09	3.94E-10	1.22E-09	1.61E-09
6994	436757.01	3762521.39	4.67E-09	1.59E-08	2.06E-08	7.26E-10	2.60E-09	3.33E-09	3.91E-10	1.21E-09	1.60E-09
6995	436760.67	3762512.51	4.64E-09	1.58E-08	2.04E-08	7.20E-10	2.58E-09	3.30E-09	3.88E-10	1.20E-09	1.59E-09
6996	436764.33	3762503.63	4.6E-09	1.57E-08	2.03E-08	7.15E-10	2.56E-09	3.28E-09	3.85E-10	1.19E-09	1.57E-09
6997	436767.99	3762494.76	4.56E-09	1.56E-08	2.01E-08	7.09E-10	2.54E-09	3.25E-09	3.82E-10	1.18E-09	1.56E-09
6998	436771.65	3762485.88	4.53E-09	1.54E-08	2.00E-08	7.04E-10	2.52E-09	3.23E-09	3.79E-10	1.17E-09	1.55E-09
6999	436775.31	3762477	4.49E-09	1.53E-08	1.98E-08	6.98E-10	2.50E-09	3.20E-09	3.76E-10	1.16E-09	1.54E-09
7000	436778.97	3762468.13	4.46E-09	1.52E-08	1.97E-08	6.93E-10	2.48E-09	3.18E-09	3.73E-10	1.15E-09	1.53E-09
7001	436782.63	3762459.25	4.42E-09	1.51E-08	1.95E-08	6.87E-10	2.46E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
7002	436786.29	3762450.38	4.39E-09	1.50E-08	1.94E-08	6.82E-10	2.45E-09	3.13E-09	3.67E-10	1.13E-09	1.50E-09
7003	436789.95	3762441.5	4.36E-09	1.49E-08	1.92E-08	6.77E-10	2.43E-09	3.10E-09	3.65E-10	1.13E-09	1.49E-09
7004	436793.61	3762432.62	4.32E-09	1.47E-08	1.91E-08	6.72E-10	2.41E-09	3.08E-09	3.62E-10	1.12E-09	1.48E-09
7005	436811.91	3762388.24	4.15E-09	1.41E-08	1.83E-08	6.45E-10	2.31E-09	2.96E-09	3.47E-10	1.07E-09	1.42E-09
7006	436815.57	3762379.37	4.11E-09	1.40E-08	1.81E-08	6.39E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.41E-09
7007	436819.23	3762370.49	4.08E-09	1.39E-08	1.80E-08	6.34E-10	2.27E-09	2.91E-09	3.42E-10	1.05E-09	1.40E-09
7008	436822.89	3762361.61	4.04E-09	1.38E-08	1.78E-08	6.28E-10	2.25E-09	2.88E-09	3.38E-10	1.04E-09	1.38E-09
7009	436826.55	3762352.74	4.01E-09	1.37E-08	1.77E-08	6.22E-10	2.23E-09	2.85E-09	3.35E-10	1.04E-09	1.37E-09
7010	436830.21	3762343.86	3.97E-09	1.35E-08	1.75E-08	6.16E-10	2.21E-09	2.83E-09	3.32E-10	1.03E-09	1.36E-09
7011	436833.87	3762334.98	3.93E-09	1.34E-08	1.73E-08	6.11E-10	2.19E-09	2.80E-09	3.29E-10	1.02E-09	1.34E-09

7012	436837.53	3762326.11	3.89E-09	1.33E-08	1.72E-08	6.05E-10	2.17E-09	2.77E-09	3.26E-10	1.01E-09	1.33E-09
7013	436841.19	3762317.23	3.86E-09	1.32E-08	1.70E-08	6.00E-10	2.15E-09	2.75E-09	3.23E-10	9.98E-10	1.32E-09
7014	436844.85	3762308.36	3.83E-09	1.30E-08	1.69E-08	5.94E-10	2.13E-09	2.73E-09	3.20E-10	9.89E-10	1.31E-09
7015	436848.51	3762299.48	3.79E-09	1.29E-08	1.67E-08	5.89E-10	2.11E-09	2.70E-09	3.17E-10	9.79E-10	1.30E-09
7016	436852.17	3762290.6	3.76E-09	1.28E-08	1.66E-08	5.84E-10	2.09E-09	2.68E-09	3.14E-10	9.71E-10	1.29E-09
7017	436855.83	3762281.73	3.72E-09	1.27E-08	1.64E-08	5.78E-10	2.07E-09	2.65E-09	3.12E-10	9.62E-10	1.27E-09
7018	436859.49	3762272.85	3.69E-09	1.26E-08	1.63E-08	5.73E-10	2.05E-09	2.63E-09	3.09E-10	9.53E-10	1.26E-09
7019	436863.15	3762263.97	3.65E-09	1.25E-08	1.61E-08	5.68E-10	2.04E-09	2.60E-09	3.06E-10	9.44E-10	1.25E-09
7020	436866.82	3762255.1	3.62E-09	1.23E-08	1.59E-08	5.62E-10	2.01E-09	2.58E-09	3.03E-10	9.34E-10	1.24E-09
7021	436870.48	3762246.22	3.58E-09	1.22E-08	1.58E-08	5.56E-10	1.99E-09	2.55E-09	3.00E-10	9.25E-10	1.22E-09
7022	436874.14	3762237.35	3.54E-09	1.21E-08	1.56E-08	5.50E-10	1.97E-09	2.52E-09	2.96E-10	9.15E-10	1.21E-09
7023	436877.8	3762228.47	3.5E-09	1.19E-08	1.54E-08	5.44E-10	1.95E-09	2.49E-09	2.93E-10	9.04E-10	1.20E-09
7024	436890.31	3762215.88	3.48E-09	1.19E-08	1.53E-08	5.40E-10	1.94E-09	2.48E-09	2.91E-10	8.98E-10	1.19E-09
7025	436925.72	3762201.01	3.55E-09	1.21E-08	1.56E-08	5.51E-10	1.97E-09	2.53E-09	2.97E-10	9.16E-10	1.21E-09
7026	436934.57	3762197.3	3.56E-09	1.21E-08	1.57E-08	5.53E-10	1.98E-09	2.54E-09	2.98E-10	9.20E-10	1.22E-09
7027	436943.43	3762193.58	3.57E-09	1.22E-08	1.58E-08	5.55E-10	1.99E-09	2.55E-09	2.99E-10	9.23E-10	1.22E-09
7028	436952.28	3762189.86	3.58E-09	1.22E-08	1.58E-08	5.57E-10	2.00E-09	2.55E-09	3.00E-10	9.26E-10	1.23E-09
7029	436961.13	3762186.15	3.59E-09	1.23E-08	1.59E-08	5.59E-10	2.00E-09	2.56E-09	3.01E-10	9.29E-10	1.23E-09
7030	436969.99	3762182.43	3.6E-09	1.23E-08	1.59E-08	5.60E-10	2.01E-09	2.57E-09	3.02E-10	9.31E-10	1.23E-09
7031	436978.84	3762178.72	3.61E-09	1.23E-08	1.59E-08	5.61E-10	2.01E-09	2.57E-09	3.02E-10	9.33E-10	1.24E-09
7032	436987.69	3762175	3.62E-09	1.23E-08	1.60E-08	5.62E-10	2.02E-09	2.58E-09	3.03E-10	9.35E-10	1.24E-09
7033	436996.55	3762171.28	3.62E-09	1.24E-08	1.60E-08	5.63E-10	2.02E-09	2.58E-09	3.03E-10	9.36E-10	1.24E-09
7034	437005.4	3762167.57	3.63E-09	1.24E-08	1.60E-08	5.64E-10	2.02E-09	2.58E-09	3.04E-10	9.37E-10	1.24E-09
7035	437014.25	3762163.85	3.63E-09	1.24E-08	1.60E-08	5.64E-10	2.02E-09	2.58E-09	3.04E-10	9.37E-10	1.24E-09
7036	437023.1	3762160.14	3.63E-09	1.24E-08	1.60E-08	5.63E-10	2.02E-09	2.58E-09	3.04E-10	9.37E-10	1.24E-09
7037	437031.96	3762156.42	3.62E-09	1.24E-08	1.60E-08	5.63E-10	2.02E-09	2.58E-09	3.03E-10	9.36E-10	1.24E-09
7038	437120.49	3762119.26	3.52E-09	1.20E-08	1.55E-08	5.47E-10	1.96E-09	2.51E-09	2.95E-10	9.09E-10	1.20E-09
7039	437129.34	3762115.54	3.5E-09	1.19E-08	1.54E-08	5.44E-10	1.95E-09	2.50E-09	2.93E-10	9.05E-10	1.20E-09
7040	437138.19	3762111.83	3.48E-09	1.19E-08	1.54E-08	5.41E-10	1.94E-09	2.48E-09	2.92E-10	9.00E-10	1.19E-09
7041	437147.05	3762108.11	3.46E-09	1.18E-08	1.53E-08	5.38E-10	1.93E-09	2.47E-09	2.90E-10	8.95E-10	1.18E-09
7042	437155.9	3762104.39	3.44E-09	1.17E-08	1.52E-08	5.35E-10	1.92E-09	2.45E-09	2.88E-10	8.90E-10	1.18E-09
7043	437164.75	3762100.68	3.42E-09	1.17E-08	1.51E-08	5.32E-10	1.91E-09	2.44E-09	2.86E-10	8.84E-10	1.17E-09
7044	437173.61	3762096.96	3.4E-09	1.16E-08	1.50E-08	5.28E-10	1.89E-09	2.42E-09	2.85E-10	8.78E-10	1.16E-09
7045	437182.46	3762093.25	3.38E-09	1.15E-08	1.49E-08	5.25E-10	1.88E-09	2.41E-09	2.83E-10	8.73E-10	1.16E-09
7046	437191.31	3762089.53	3.35E-09	1.14E-08	1.48E-08	5.21E-10	1.87E-09	2.39E-09	2.81E-10	8.66E-10	1.15E-09
7047	437200.16	3762085.81	3.33E-09	1.14E-08	1.47E-08	5.17E-10	1.86E-09	2.37E-09	2.79E-10	8.60E-10	1.14E-09
7048	436683.8	3762698.91	4.91E-09	1.68E-08	2.17E-08	7.63E-10	2.74E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
7049	436683.8	3762708.61	4.94E-09	1.68E-08	2.18E-08	7.67E-10	2.75E-09	3.52E-09	4.13E-10	1.28E-09	1.69E-09
7050	436683.8	3762718.3	4.95E-09	1.69E-08	2.18E-08	7.70E-10	2.76E-09	3.53E-09	4.15E-10	1.28E-09	1.69E-09
7051	436683.8	3762728	4.97E-09	1.69E-08	2.19E-08	7.72E-10	2.77E-09	3.54E-09	4.16E-10	1.28E-09	1.70E-09
7052	436683.8	3762737.69	4.98E-09	1.70E-08	2.20E-08	7.74E-10	2.77E-09	3.55E-09	4.17E-10	1.29E-09	1.70E-09
7053	436683.8	3762747.39	4.99E-09	1.70E-08	2.20E-08	7.75E-10	2.78E-09	3.55E-09	4.17E-10	1.29E-09	1.71E-09
7054	436683.8	3762757.09	4.99E-09	1.70E-08	2.20E-08	7.76E-10	2.78E-09	3.56E-09	4.18E-10	1.29E-09	1.71E-09
7055	436683.8	3762766.78	4.99E-09	1.70E-08	2.20E-08	7.76E-10	2.78E-09	3.56E-09	4.18E-10	1.29E-09	1.71E-09
7056	436683.8	3762776.48	4.99E-09	1.70E-08	2.20E-08	7.75E-10	2.78E-09	3.55E-09	4.17E-10	1.29E-09	1.71E-09
7057	436683.8	3762786.17	4.98E-09	1.70E-08	2.20E-08	7.74E-10	2.78E-09	3.55E-09	4.17E-10	1.29E-09	1.70E-09
7058	436683.8	3762795.87	4.97E-09	1.70E-08	2.19E-08	7.73E-10	2.77E-09	3.54E-09	4.16E-10	1.28E-09	1.70E-09
7059	436683.8	3762805.56	4.96E-09	1.69E-08	2.19E-08	7.71E-10	2.76E-09	3.53E-09	4.15E-10	1.28E-09	1.70E-09
7060	436683.8	3762815.26	4.94E-09	1.69E-08	2.18E-08	7.68E-10	2.75E-09	3.52E-09	4.14E-10	1.28E-09	1.69E-09
7061	436683.8	3762824.96	4.93E-09	1.68E-08	2.17E-08	7.66E-10	2.75E-09	3.51E-09	4.12E-10	1.27E-09	1.69E-09
7062	436683.8	3762834.65	4.91E-09	1.67E-08	2.16E-08	7.63E-10	2.73E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
7063	436683.8	3762844.35	4.88E-09	1.67E-08	2.15E-08	7.59E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
7064	436683.8	3762854.04	4.86E-09	1.66E-08	2.14E-08	7.55E-10	2.71E-09	3.46E-09	4.07E-10	1.26E-09	1.66E-09
7065	436647.47	3762690.01	4.49E-09	1.53E-08	1.98E-08	6.97E-10	2.50E-09	3.20E-09	3.76E-10	1.16E-09	1.54E-09
7066	436651.14	3762681.1	4.5E-09	1.54E-08	1.99E-08	7.00E-10	2.51E-09	3.21E-09	3.77E-10	1.16E-09	1.54E-09
7067	436654.81	3762672.2	4.52E-09	1.54E-08	1.99E-08	7.02E-10	2.52E-09	3.22E-09	3.78E-10	1.17E-09	1.54E-09
7068	436658.49	3762663.3	4.52E-09	1.54E-08	2.00E-08	7.03E-10	2.52E-09	3.22E-09	3.79E-10	1.17E-09	1.55E-09
7069	436662.16	3762654.39	4.53E-09	1.54E-08	2.00E-08	7.04E-10	2.52E-09	3.23E-09	3.79E-10	1.17E-09	1.55E-09
7070	436665.83	3762645.49	4.53E-09	1.55E-08	2.00E-08	7.04E-10	2.52E-09	3.23E-09	3.79E-10	1.17E-09	1.55E-09
7071	436669.5	3762636.58	4.53E-09	1.55E-08	2.00E-08	7.04E-10	2.52E-09	3.23E-09	3.79E-10	1.17E-09	1.55E-09
7072	436673.17	3762627.68	4.53E-09	1.54E-08	2.00E-08	7.04E-10	2.52E-09	3.23E-09	3.79E-10	1.17E-09	1.55E-09

7073	436676.84	3762618.78	4.52E-09	1.54E-08	1.99E-08	7.02E-10	2.52E-09	3.22E-09	3.78E-10	1.17E-09	1.55E-09
7074	436680.52	3762609.87	4.51E-09	1.54E-08	1.99E-08	7.01E-10	2.51E-09	3.21E-09	3.77E-10	1.17E-09	1.54E-09
7075	436684.19	3762600.97	4.5E-09	1.53E-08	1.98E-08	6.99E-10	2.50E-09	3.20E-09	3.76E-10	1.16E-09	1.54E-09
7076	436687.86	3762592.07	4.48E-09	1.53E-08	1.98E-08	6.96E-10	2.50E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
7077	436691.53	3762583.16	4.46E-09	1.52E-08	1.97E-08	6.93E-10	2.49E-09	3.18E-09	3.73E-10	1.15E-09	1.53E-09
7078	436695.2	3762574.26	4.44E-09	1.51E-08	1.96E-08	6.90E-10	2.47E-09	3.16E-09	3.72E-10	1.15E-09	1.52E-09
7079	436698.87	3762565.35	4.42E-09	1.51E-08	1.95E-08	6.87E-10	2.46E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
7080	436702.55	3762556.45	4.39E-09	1.50E-08	1.94E-08	6.83E-10	2.45E-09	3.13E-09	3.68E-10	1.14E-09	1.50E-09
7081	436706.22	3762547.55	4.37E-09	1.49E-08	1.93E-08	6.79E-10	2.43E-09	3.11E-09	3.66E-10	1.13E-09	1.49E-09
7082	436709.89	3762538.64	4.34E-09	1.48E-08	1.92E-08	6.75E-10	2.42E-09	3.09E-09	3.64E-10	1.12E-09	1.49E-09
7083	436713.56	3762529.74	4.32E-09	1.47E-08	1.90E-08	6.70E-10	2.40E-09	3.07E-09	3.61E-10	1.11E-09	1.48E-09
7084	436717.23	3762520.84	4.29E-09	1.46E-08	1.89E-08	6.66E-10	2.39E-09	3.05E-09	3.59E-10	1.11E-09	1.47E-09
7085	436720.9	3762511.93	4.26E-09	1.45E-08	1.88E-08	6.61E-10	2.37E-09	3.03E-09	3.56E-10	1.10E-09	1.46E-09
7086	436724.58	3762503.03	4.23E-09	1.44E-08	1.86E-08	6.57E-10	2.35E-09	3.01E-09	3.54E-10	1.09E-09	1.45E-09
7087	436728.25	3762494.12	4.2E-09	1.43E-08	1.85E-08	6.52E-10	2.34E-09	2.99E-09	3.51E-10	1.08E-09	1.44E-09
7088	436746.61	3762449.61	4.04E-09	1.38E-08	1.78E-08	6.28E-10	2.25E-09	2.88E-09	3.38E-10	1.04E-09	1.38E-09
7089	436750.28	3762440.7	4.01E-09	1.37E-08	1.77E-08	6.23E-10	2.23E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
7090	436753.95	3762431.8	3.98E-09	1.36E-08	1.76E-08	6.19E-10	2.22E-09	2.84E-09	3.33E-10	1.03E-09	1.36E-09
7091	436757.62	3762422.89	3.95E-09	1.35E-08	1.74E-08	6.14E-10	2.20E-09	2.82E-09	3.31E-10	1.02E-09	1.35E-09
7092	436761.29	3762413.99	3.92E-09	1.34E-08	1.73E-08	6.10E-10	2.19E-09	2.80E-09	3.28E-10	1.01E-09	1.34E-09
7093	436764.96	3762405.09	3.9E-09	1.33E-08	1.72E-08	6.05E-10	2.17E-09	2.78E-09	3.26E-10	1.01E-09	1.33E-09
7094	436790.67	3762342.76	3.7E-09	1.26E-08	1.63E-08	5.74E-10	2.06E-09	2.63E-09	3.09E-10	9.55E-10	1.26E-09
7095	436794.34	3762333.86	3.66E-09	1.25E-08	1.62E-08	5.69E-10	2.04E-09	2.61E-09	3.07E-10	9.47E-10	1.25E-09
7096	436798.01	3762324.95	3.63E-09	1.24E-08	1.60E-08	5.65E-10	2.02E-09	2.59E-09	3.04E-10	9.39E-10	1.24E-09
7097	436801.68	3762316.05	3.6E-09	1.23E-08	1.59E-08	5.60E-10	2.01E-09	2.57E-09	3.02E-10	9.31E-10	1.23E-09
7098	436805.35	3762307.15	3.57E-09	1.22E-08	1.58E-08	5.55E-10	1.99E-09	2.55E-09	2.99E-10	9.23E-10	1.22E-09
7099	436809.02	3762298.24	3.54E-09	1.21E-08	1.56E-08	5.51E-10	1.97E-09	2.52E-09	2.97E-10	9.16E-10	1.21E-09
7100	436812.7	3762289.34	3.51E-09	1.20E-08	1.55E-08	5.46E-10	1.96E-09	2.50E-09	2.94E-10	9.08E-10	1.20E-09
7101	436816.37	3762280.44	3.48E-09	1.19E-08	1.54E-08	5.41E-10	1.94E-09	2.48E-09	2.92E-10	9.00E-10	1.19E-09
7102	436820.04	3762271.53	3.45E-09	1.18E-08	1.52E-08	5.37E-10	1.92E-09	2.46E-09	2.89E-10	8.93E-10	1.18E-09
7103	436823.71	3762262.63	3.42E-09	1.17E-08	1.51E-08	5.32E-10	1.91E-09	2.44E-09	2.86E-10	8.84E-10	1.17E-09
7104	436827.38	3762253.72	3.39E-09	1.16E-08	1.50E-08	5.27E-10	1.89E-09	2.42E-09	2.84E-10	8.76E-10	1.16E-09
7105	436831.05	3762244.82	3.36E-09	1.14E-08	1.48E-08	5.22E-10	1.87E-09	2.39E-09	2.81E-10	8.67E-10	1.15E-09
7106	436834.72	3762235.92	3.32E-09	1.13E-08	1.47E-08	5.17E-10	1.85E-09	2.37E-09	2.78E-10	8.59E-10	1.14E-09
7107	436838.4	3762227.01	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.34E-09	2.75E-10	8.50E-10	1.13E-09
7108	436842.07	3762218.11	3.26E-09	1.11E-08	1.44E-08	5.06E-10	1.81E-09	2.32E-09	2.73E-10	8.41E-10	1.11E-09
7109	436845.74	3762209.21	3.22E-09	1.10E-08	1.42E-08	5.00E-10	1.79E-09	2.29E-09	2.70E-10	8.32E-10	1.10E-09
7110	436849.41	3762200.3	3.18E-09	1.09E-08	1.40E-08	4.94E-10	1.77E-09	2.27E-09	2.66E-10	8.22E-10	1.09E-09
7111	436861.96	3762187.67	3.16E-09	1.08E-08	1.39E-08	4.91E-10	1.76E-09	2.25E-09	2.64E-10	8.16E-10	1.08E-09
7112	436897.49	3762172.76	3.22E-09	1.10E-08	1.42E-08	5.00E-10	1.79E-09	2.29E-09	2.69E-10	8.32E-10	1.10E-09
7113	436906.37	3762169.03	3.24E-09	1.10E-08	1.43E-08	5.03E-10	1.80E-09	2.30E-09	2.71E-10	8.36E-10	1.11E-09
7114	436915.25	3762165.3	3.25E-09	1.11E-08	1.43E-08	5.05E-10	1.81E-09	2.32E-09	2.72E-10	8.40E-10	1.11E-09
7115	436924.13	3762161.58	3.26E-09	1.11E-08	1.44E-08	5.07E-10	1.82E-09	2.32E-09	2.73E-10	8.43E-10	1.12E-09
7116	436933.01	3762157.85	3.27E-09	1.12E-08	1.44E-08	5.09E-10	1.82E-09	2.33E-09	2.74E-10	8.46E-10	1.12E-09
7117	436941.89	3762154.12	3.28E-09	1.12E-08	1.45E-08	5.10E-10	1.83E-09	2.34E-09	2.75E-10	8.48E-10	1.12E-09
7118	436950.77	3762150.39	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.34E-09	2.75E-10	8.50E-10	1.13E-09
7119	436959.65	3762146.67	3.29E-09	1.12E-08	1.45E-08	5.12E-10	1.83E-09	2.35E-09	2.76E-10	8.51E-10	1.13E-09
7120	436968.53	3762142.94	3.29E-09	1.12E-08	1.45E-08	5.12E-10	1.84E-09	2.35E-09	2.76E-10	8.51E-10	1.13E-09
7121	436977.41	3762139.21	3.29E-09	1.12E-08	1.45E-08	5.12E-10	1.84E-09	2.35E-09	2.76E-10	8.51E-10	1.13E-09
7122	436986.29	3762135.48	3.3E-09	1.12E-08	1.45E-08	5.12E-10	1.84E-09	2.35E-09	2.76E-10	8.52E-10	1.13E-09
7123	436995.17	3762131.76	3.3E-09	1.12E-08	1.45E-08	5.12E-10	1.84E-09	2.35E-09	2.76E-10	8.52E-10	1.13E-09
7124	437004.05	3762128.03	3.3E-09	1.12E-08	1.45E-08	5.12E-10	1.84E-09	2.35E-09	2.76E-10	8.52E-10	1.13E-09
7125	437012.93	3762124.3	3.29E-09	1.12E-08	1.45E-08	5.12E-10	1.83E-09	2.35E-09	2.76E-10	8.51E-10	1.13E-09
7126	437021.81	3762120.57	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.35E-09	2.76E-10	8.51E-10	1.13E-09
7127	436643.8	3762698.91	4.47E-09	1.52E-08	1.97E-08	6.94E-10	2.49E-09	3.18E-09	3.74E-10	1.15E-09	1.53E-09
7128	436643.8	3762708.61	4.49E-09	1.53E-08	1.98E-08	6.97E-10	2.50E-09	3.20E-09	3.75E-10	1.16E-09	1.53E-09
7129	436643.8	3762718.3	4.5E-09	1.53E-08	1.98E-08	6.99E-10	2.51E-09	3.21E-09	3.77E-10	1.16E-09	1.54E-09
7130	436643.8	3762728	4.51E-09	1.54E-08	1.99E-08	7.01E-10	2.51E-09	3.21E-09	3.78E-10	1.17E-09	1.54E-09
7131	436643.8	3762737.69	4.52E-09	1.54E-08	1.99E-08	7.02E-10	2.52E-09	3.22E-09	3.78E-10	1.17E-09	1.55E-09
7132	436643.8	3762747.39	4.52E-09	1.54E-08	1.99E-08	7.03E-10	2.52E-09	3.22E-09	3.78E-10	1.17E-09	1.55E-09
7133	436643.8	3762757.09	4.52E-09	1.54E-08	1.99E-08	7.03E-10	2.52E-09	3.22E-09	3.79E-10	1.17E-09	1.55E-09

7134	436643.8	3762766.78	4.52E-09	1.54E-08	1.99E-08	7.03E-10	2.52E-09	3.22E-09	3.78E-10	1.17E-09	1.55E-09
7135	436643.8	3762776.48	4.52E-09	1.54E-08	1.99E-08	7.02E-10	2.52E-09	3.22E-09	3.78E-10	1.17E-09	1.55E-09
7136	436643.8	3762786.17	4.51E-09	1.54E-08	1.99E-08	7.01E-10	2.51E-09	3.21E-09	3.78E-10	1.17E-09	1.54E-09
7137	436643.8	3762795.87	4.5E-09	1.54E-08	1.99E-08	7.00E-10	2.51E-09	3.21E-09	3.77E-10	1.16E-09	1.54E-09
7138	436643.8	3762805.56	4.49E-09	1.53E-08	1.98E-08	6.98E-10	2.50E-09	3.20E-09	3.76E-10	1.16E-09	1.54E-09
7139	436643.8	3762815.26	4.48E-09	1.53E-08	1.97E-08	6.96E-10	2.49E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
7140	436643.8	3762824.96	4.46E-09	1.52E-08	1.97E-08	6.93E-10	2.49E-09	3.18E-09	3.73E-10	1.15E-09	1.53E-09
7141	436643.8	3762834.65	4.44E-09	1.52E-08	1.96E-08	6.91E-10	2.48E-09	3.17E-09	3.72E-10	1.15E-09	1.52E-09
7142	436643.8	3762844.35	4.43E-09	1.51E-08	1.95E-08	6.88E-10	2.47E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
7143	436643.8	3762854.04	4.4E-09	1.50E-08	1.94E-08	6.84E-10	2.45E-09	3.14E-09	3.69E-10	1.14E-09	1.51E-09
7144	436607.48	3762689.98	4.1E-09	1.40E-08	1.81E-08	6.37E-10	2.28E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
7145	436611.16	3762681.05	4.11E-09	1.40E-08	1.81E-08	6.39E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.41E-09
7146	436614.85	3762672.12	4.13E-09	1.41E-08	1.82E-08	6.41E-10	2.30E-09	2.94E-09	3.46E-10	1.07E-09	1.41E-09
7147	436618.53	3762663.2	4.14E-09	1.41E-08	1.82E-08	6.43E-10	2.31E-09	2.95E-09	3.46E-10	1.07E-09	1.42E-09
7148	436622.21	3762654.27	4.15E-09	1.41E-08	1.83E-08	6.44E-10	2.31E-09	2.95E-09	3.47E-10	1.07E-09	1.42E-09
7149	436625.89	3762645.34	4.15E-09	1.41E-08	1.83E-08	6.45E-10	2.31E-09	2.96E-09	3.47E-10	1.07E-09	1.42E-09
7150	436629.57	3762636.41	4.15E-09	1.42E-08	1.83E-08	6.45E-10	2.31E-09	2.96E-09	3.47E-10	1.07E-09	1.42E-09
7151	436633.25	3762627.48	4.15E-09	1.41E-08	1.83E-08	6.45E-10	2.31E-09	2.96E-09	3.47E-10	1.07E-09	1.42E-09
7152	436636.94	3762618.55	4.14E-09	1.41E-08	1.83E-08	6.44E-10	2.31E-09	2.95E-09	3.47E-10	1.07E-09	1.42E-09
7153	436640.62	3762609.63	4.14E-09	1.41E-08	1.82E-08	6.43E-10	2.30E-09	2.95E-09	3.46E-10	1.07E-09	1.42E-09
7154	436644.3	3762600.7	4.13E-09	1.41E-08	1.82E-08	6.41E-10	2.30E-09	2.94E-09	3.45E-10	1.07E-09	1.41E-09
7155	436647.98	3762591.77	4.11E-09	1.40E-08	1.81E-08	6.39E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.41E-09
7156	436651.66	3762582.84	4.1E-09	1.40E-08	1.81E-08	6.37E-10	2.28E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
7157	436655.35	3762573.91	4.08E-09	1.39E-08	1.80E-08	6.34E-10	2.27E-09	2.91E-09	3.42E-10	1.06E-09	1.40E-09
7158	436659.03	3762564.98	4.07E-09	1.39E-08	1.79E-08	6.32E-10	2.26E-09	2.90E-09	3.40E-10	1.05E-09	1.39E-09
7159	436662.71	3762556.05	4.05E-09	1.38E-08	1.78E-08	6.29E-10	2.25E-09	2.88E-09	3.39E-10	1.05E-09	1.38E-09
7160	436666.39	3762547.13	4.02E-09	1.37E-08	1.77E-08	6.25E-10	2.24E-09	2.87E-09	3.37E-10	1.04E-09	1.38E-09
7161	436670.07	3762538.2	4E-09	1.36E-08	1.76E-08	6.22E-10	2.23E-09	2.85E-09	3.35E-10	1.03E-09	1.37E-09
7162	436673.75	3762529.27	3.98E-09	1.36E-08	1.75E-08	6.18E-10	2.22E-09	2.83E-09	3.33E-10	1.03E-09	1.36E-09
7163	436677.44	3762520.34	3.95E-09	1.35E-08	1.74E-08	6.14E-10	2.20E-09	2.82E-09	3.31E-10	1.02E-09	1.35E-09
7164	436681.12	3762511.41	3.93E-09	1.34E-08	1.73E-08	6.10E-10	2.19E-09	2.80E-09	3.29E-10	1.01E-09	1.34E-09
7165	436684.8	3762502.48	3.9E-09	1.33E-08	1.72E-08	6.06E-10	2.17E-09	2.78E-09	3.27E-10	1.01E-09	1.33E-09
7166	436688.48	3762493.56	3.87E-09	1.32E-08	1.71E-08	6.02E-10	2.16E-09	2.76E-09	3.24E-10	1.00E-09	1.33E-09
7167	436706.89	3762448.91	3.73E-09	1.27E-08	1.65E-08	5.80E-10	2.08E-09	2.66E-09	3.13E-10	9.65E-10	1.28E-09
7168	436710.57	3762439.99	3.71E-09	1.26E-08	1.63E-08	5.76E-10	2.06E-09	2.64E-09	3.10E-10	9.58E-10	1.27E-09
7169	436714.25	3762431.06	3.68E-09	1.25E-08	1.62E-08	5.72E-10	2.05E-09	2.62E-09	3.08E-10	9.51E-10	1.26E-09
7170	436717.94	3762422.13	3.65E-09	1.25E-08	1.61E-08	5.67E-10	2.03E-09	2.60E-09	3.06E-10	9.44E-10	1.25E-09
7171	436721.62	3762413.2	3.63E-09	1.24E-08	1.60E-08	5.64E-10	2.02E-09	2.58E-09	3.04E-10	9.37E-10	1.24E-09
7172	436725.3	3762404.27	3.6E-09	1.23E-08	1.59E-08	5.60E-10	2.01E-09	2.57E-09	3.02E-10	9.31E-10	1.23E-09
7173	436728.98	3762395.34	3.58E-09	1.22E-08	1.58E-08	5.56E-10	1.99E-09	2.55E-09	3.00E-10	9.25E-10	1.22E-09
7174	436732.66	3762386.41	3.56E-09	1.21E-08	1.57E-08	5.53E-10	1.98E-09	2.53E-09	2.98E-10	9.19E-10	1.22E-09
7175	436736.35	3762377.49	3.53E-09	1.20E-08	1.56E-08	5.49E-10	1.97E-09	2.52E-09	2.96E-10	9.13E-10	1.21E-09
7176	436754.76	3762332.84	3.41E-09	1.16E-08	1.50E-08	5.29E-10	1.90E-09	2.43E-09	2.85E-10	8.80E-10	1.17E-09
7177	436795.26	3762234.63	3.13E-09	1.07E-08	1.38E-08	4.86E-10	1.74E-09	2.23E-09	2.62E-10	8.08E-10	1.07E-09
7178	436798.94	3762225.7	3.1E-09	1.06E-08	1.37E-08	4.82E-10	1.73E-09	2.21E-09	2.60E-10	8.01E-10	1.06E-09
7179	436802.62	3762216.77	3.07E-09	1.05E-08	1.35E-08	4.77E-10	1.71E-09	2.19E-09	2.57E-10	7.94E-10	1.05E-09
7180	436806.3	3762207.85	3.04E-09	1.04E-08	1.34E-08	4.73E-10	1.70E-09	2.17E-09	2.55E-10	7.86E-10	1.04E-09
7181	436809.98	3762198.92	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.15E-09	2.52E-10	7.78E-10	1.03E-09
7182	436813.66	3762189.99	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.50E-10	7.70E-10	1.02E-09
7183	436817.35	3762181.06	2.95E-09	1.01E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.62E-10	1.01E-09
7184	436821.03	3762172.13	2.92E-09	9.95E-09	1.29E-08	4.53E-10	1.63E-09	2.08E-09	2.44E-10	7.54E-10	9.98E-10
7185	436833.62	3762159.47	2.9E-09	9.89E-09	1.28E-08	4.51E-10	1.62E-09	2.07E-09	2.43E-10	7.49E-10	9.92E-10
7186	436860.33	3762148.25	2.94E-09	1.00E-08	1.30E-08	4.56E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.00E-09
7187	436869.24	3762144.51	2.95E-09	1.01E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.62E-10	1.01E-09
7188	436878.14	3762140.78	2.96E-09	1.01E-08	1.31E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.66E-10	1.01E-09
7189	436887.05	3762137.04	2.97E-09	1.01E-08	1.31E-08	4.62E-10	1.66E-09	2.12E-09	2.49E-10	7.69E-10	1.02E-09
7190	436895.95	3762133.3	2.99E-09	1.02E-08	1.32E-08	4.64E-10	1.66E-09	2.13E-09	2.50E-10	7.72E-10	1.02E-09
7191	436904.86	3762129.56	3E-09	1.02E-08	1.32E-08	4.66E-10	1.67E-09	2.14E-09	2.51E-10	7.75E-10	1.03E-09
7192	436913.76	3762125.82	3.01E-09	1.03E-08	1.33E-08	4.67E-10	1.67E-09	2.14E-09	2.52E-10	7.77E-10	1.03E-09
7193	436922.67	3762122.09	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.15E-09	2.52E-10	7.79E-10	1.03E-09
7194	436931.57	3762118.35	3.02E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.53E-10	7.80E-10	1.03E-09

7195	436940.48	3762114.61	3.02E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.53E-10	7.80E-10	1.03E-09
7196	436949.38	3762110.87	3.02E-09	1.03E-08	1.33E-08	4.70E-10	1.68E-09	2.15E-09	2.53E-10	7.81E-10	1.03E-09
7197	436958.29	3762107.13	3.02E-09	1.03E-08	1.33E-08	4.70E-10	1.68E-09	2.15E-09	2.53E-10	7.81E-10	1.03E-09
7198	436967.19	3762103.4	3.02E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.53E-10	7.80E-10	1.03E-09
7199	436976.1	3762099.66	3.02E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.53E-10	7.80E-10	1.03E-09
7200	436985	3762095.92	3.02E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.52E-10	7.79E-10	1.03E-09
7201	436993.91	3762092.18	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.15E-09	2.52E-10	7.79E-10	1.03E-09
7202	437261.06	3761980.04	2.61E-09	8.91E-09	1.15E-08	4.06E-10	1.45E-09	1.86E-09	2.19E-10	6.75E-10	8.93E-10
7203	437269.96	3761976.3	2.6E-09	8.85E-09	1.14E-08	4.03E-10	1.45E-09	1.85E-09	2.17E-10	6.71E-10	8.88E-10
7204	437278.87	3761972.57	2.58E-09	8.80E-09	1.14E-08	4.01E-10	1.44E-09	1.84E-09	2.16E-10	6.67E-10	8.83E-10
7205	437287.77	3761968.83	2.57E-09	8.75E-09	1.13E-08	3.99E-10	1.43E-09	1.83E-09	2.15E-10	6.63E-10	8.78E-10
7206	437296.68	3761965.09	2.55E-09	8.71E-09	1.13E-08	3.97E-10	1.42E-09	1.82E-09	2.14E-10	6.60E-10	8.74E-10
7207	437305.58	3761961.35	2.54E-09	8.67E-09	1.12E-08	3.95E-10	1.42E-09	1.81E-09	2.13E-10	6.57E-10	8.70E-10
7208	437314.49	3761957.61	2.53E-09	8.63E-09	1.12E-08	3.93E-10	1.41E-09	1.80E-09	2.12E-10	6.54E-10	8.66E-10
7209	437323.4	3761953.88	2.52E-09	8.60E-09	1.11E-08	3.92E-10	1.40E-09	1.80E-09	2.11E-10	6.52E-10	8.63E-10
7210	437332.3	3761950.14	2.51E-09	8.57E-09	1.11E-08	3.90E-10	1.40E-09	1.79E-09	2.10E-10	6.49E-10	8.59E-10
7211	437341.21	3761946.4	2.5E-09	8.54E-09	1.10E-08	3.89E-10	1.39E-09	1.78E-09	2.10E-10	6.47E-10	8.57E-10
7212	437350.11	3761942.66	2.5E-09	8.51E-09	1.10E-08	3.88E-10	1.39E-09	1.78E-09	2.09E-10	6.45E-10	8.54E-10
7213	436603.8	3762698.91	4.08E-09	1.39E-08	1.80E-08	6.34E-10	2.27E-09	2.91E-09	3.42E-10	1.05E-09	1.40E-09
7214	436603.8	3762708.61	4.1E-09	1.40E-08	1.81E-08	6.36E-10	2.28E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
7215	436603.8	3762718.3	4.11E-09	1.40E-08	1.81E-08	6.38E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.40E-09
7216	436603.8	3762728	4.11E-09	1.40E-08	1.81E-08	6.39E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.41E-09
7217	436603.8	3762737.69	4.12E-09	1.40E-08	1.82E-08	6.40E-10	2.29E-09	2.93E-09	3.45E-10	1.06E-09	1.41E-09
7218	436603.8	3762747.39	4.12E-09	1.41E-08	1.82E-08	6.41E-10	2.30E-09	2.94E-09	3.45E-10	1.07E-09	1.41E-09
7219	436603.8	3762757.09	4.12E-09	1.41E-08	1.82E-08	6.41E-10	2.30E-09	2.94E-09	3.45E-10	1.07E-09	1.41E-09
7220	436603.8	3762766.78	4.12E-09	1.41E-08	1.82E-08	6.40E-10	2.30E-09	2.94E-09	3.45E-10	1.06E-09	1.41E-09
7221	436603.8	3762776.48	4.12E-09	1.40E-08	1.81E-08	6.39E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.41E-09
7222	436603.8	3762786.17	4.11E-09	1.40E-08	1.81E-08	6.38E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.41E-09
7223	436603.8	3762795.87	4.1E-09	1.40E-08	1.81E-08	6.37E-10	2.28E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
7224	436603.8	3762805.56	4.09E-09	1.39E-08	1.80E-08	6.35E-10	2.28E-09	2.91E-09	3.42E-10	1.06E-09	1.40E-09
7225	436603.8	3762815.26	4.08E-09	1.39E-08	1.80E-08	6.33E-10	2.27E-09	2.90E-09	3.41E-10	1.05E-09	1.39E-09
7226	436603.8	3762824.96	4.06E-09	1.39E-08	1.79E-08	6.31E-10	2.26E-09	2.89E-09	3.40E-10	1.05E-09	1.39E-09
7227	436603.8	3762834.65	4.05E-09	1.38E-08	1.78E-08	6.29E-10	2.25E-09	2.88E-09	3.39E-10	1.05E-09	1.38E-09
7228	436603.8	3762844.35	4.03E-09	1.37E-08	1.78E-08	6.26E-10	2.25E-09	2.87E-09	3.37E-10	1.04E-09	1.38E-09
7229	436603.8	3762854.04	4.01E-09	1.37E-08	1.77E-08	6.24E-10	2.24E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
7230	436574.87	3762672.06	3.79E-09	1.29E-08	1.67E-08	5.89E-10	2.11E-09	2.70E-09	3.17E-10	9.80E-10	1.30E-09
7231	436578.56	3762663.11	3.8E-09	1.30E-08	1.68E-08	5.91E-10	2.12E-09	2.71E-09	3.18E-10	9.82E-10	1.30E-09
7232	436582.26	3762654.16	3.81E-09	1.30E-08	1.68E-08	5.92E-10	2.12E-09	2.71E-09	3.19E-10	9.84E-10	1.30E-09
7233	436585.95	3762645.21	3.81E-09	1.30E-08	1.68E-08	5.93E-10	2.12E-09	2.72E-09	3.19E-10	9.85E-10	1.30E-09
7234	436589.64	3762636.25	3.82E-09	1.30E-08	1.68E-08	5.93E-10	2.13E-09	2.72E-09	3.19E-10	9.86E-10	1.31E-09
7235	436593.33	3762627.3	3.82E-09	1.30E-08	1.68E-08	5.93E-10	2.13E-09	2.72E-09	3.19E-10	9.86E-10	1.31E-09
7236	436597.02	3762618.35	3.81E-09	1.30E-08	1.68E-08	5.92E-10	2.12E-09	2.72E-09	3.19E-10	9.85E-10	1.30E-09
7237	436600.71	3762609.4	3.81E-09	1.30E-08	1.68E-08	5.92E-10	2.12E-09	2.71E-09	3.19E-10	9.84E-10	1.30E-09
7238	436604.4	3762600.45	3.8E-09	1.30E-08	1.68E-08	5.90E-10	2.12E-09	2.71E-09	3.18E-10	9.82E-10	1.30E-09
7239	436608.09	3762591.5	3.79E-09	1.29E-08	1.67E-08	5.89E-10	2.11E-09	2.70E-09	3.17E-10	9.79E-10	1.30E-09
7240	436611.78	3762582.55	3.78E-09	1.29E-08	1.67E-08	5.87E-10	2.10E-09	2.69E-09	3.16E-10	9.76E-10	1.29E-09
7241	436615.47	3762573.6	3.76E-09	1.28E-08	1.66E-08	5.85E-10	2.10E-09	2.68E-09	3.15E-10	9.73E-10	1.29E-09
7242	436619.17	3762564.65	3.75E-09	1.28E-08	1.65E-08	5.83E-10	2.09E-09	2.67E-09	3.14E-10	9.69E-10	1.28E-09
7243	436622.86	3762555.7	3.73E-09	1.27E-08	1.65E-08	5.80E-10	2.08E-09	2.66E-09	3.13E-10	9.65E-10	1.28E-09
7244	436626.55	3762546.75	3.72E-09	1.27E-08	1.64E-08	5.77E-10	2.07E-09	2.65E-09	3.11E-10	9.60E-10	1.27E-09
7245	436630.24	3762537.8	3.7E-09	1.26E-08	1.63E-08	5.75E-10	2.06E-09	2.64E-09	3.10E-10	9.56E-10	1.27E-09
7246	436633.93	3762528.84	3.68E-09	1.25E-08	1.62E-08	5.72E-10	2.05E-09	2.62E-09	3.08E-10	9.51E-10	1.26E-09
7247	436637.62	3762519.89	3.66E-09	1.25E-08	1.61E-08	5.69E-10	2.04E-09	2.61E-09	3.06E-10	9.46E-10	1.25E-09
7248	436641.31	3762510.94	3.64E-09	1.24E-08	1.60E-08	5.65E-10	2.03E-09	2.59E-09	3.04E-10	9.40E-10	1.24E-09
7249	436645	3762501.99	3.61E-09	1.23E-08	1.59E-08	5.62E-10	2.01E-09	2.58E-09	3.03E-10	9.34E-10	1.24E-09
7250	436648.69	3762493.04	3.59E-09	1.22E-08	1.58E-08	5.58E-10	2.00E-09	2.56E-09	3.01E-10	9.28E-10	1.23E-09
7251	436652.39	3762484.09	3.57E-09	1.22E-08	1.57E-08	5.54E-10	1.99E-09	2.54E-09	2.99E-10	9.22E-10	1.22E-09
7252	436667.15	3762448.29	3.47E-09	1.18E-08	1.53E-08	5.39E-10	1.93E-09	2.47E-09	2.90E-10	8.96E-10	1.19E-09
7253	436670.84	3762439.34	3.44E-09	1.17E-08	1.52E-08	5.35E-10	1.92E-09	2.45E-09	2.88E-10	8.89E-10	1.18E-09
7254	436674.53	3762430.39	3.42E-09	1.17E-08	1.51E-08	5.31E-10	1.90E-09	2.43E-09	2.86E-10	8.83E-10	1.17E-09
7255	436678.22	3762421.43	3.39E-09	1.16E-08	1.50E-08	5.27E-10	1.89E-09	2.42E-09	2.84E-10	8.76E-10	1.16E-09

7256	436681.91	3762412.48	3.37E-09	1.15E-08	1.49E-08	5.24E-10	1.88E-09	2.40E-09	2.82E-10	8.71E-10	1.15E-09
7257	436685.6	3762403.53	3.35E-09	1.14E-08	1.48E-08	5.20E-10	1.87E-09	2.39E-09	2.80E-10	8.65E-10	1.15E-09
7258	436689.3	3762394.58	3.33E-09	1.13E-08	1.47E-08	5.17E-10	1.85E-09	2.37E-09	2.79E-10	8.60E-10	1.14E-09
7259	436692.99	3762385.63	3.31E-09	1.13E-08	1.46E-08	5.14E-10	1.84E-09	2.36E-09	2.77E-10	8.54E-10	1.13E-09
7260	436707.75	3762349.83	3.22E-09	1.10E-08	1.42E-08	5.01E-10	1.80E-09	2.30E-09	2.70E-10	8.33E-10	1.10E-09
7261	436711.44	3762340.88	3.2E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.27E-10	1.10E-09
7262	436715.13	3762331.93	3.18E-09	1.08E-08	1.40E-08	4.94E-10	1.77E-09	2.26E-09	2.66E-10	8.21E-10	1.09E-09
7263	436718.82	3762322.98	3.16E-09	1.08E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.15E-10	1.08E-09
7264	436722.52	3762314.02	3.13E-09	1.07E-08	1.38E-08	4.87E-10	1.75E-09	2.23E-09	2.62E-10	8.10E-10	1.07E-09
7265	436726.21	3762305.07	3.11E-09	1.06E-08	1.37E-08	4.83E-10	1.73E-09	2.22E-09	2.60E-10	8.04E-10	1.06E-09
7266	436729.9	3762296.12	3.09E-09	1.05E-08	1.36E-08	4.80E-10	1.72E-09	2.20E-09	2.59E-10	7.98E-10	1.06E-09
7267	436733.59	3762287.17	3.07E-09	1.05E-08	1.35E-08	4.77E-10	1.71E-09	2.19E-09	2.57E-10	7.93E-10	1.05E-09
7268	436737.28	3762278.22	3.05E-09	1.04E-08	1.34E-08	4.74E-10	1.70E-09	2.17E-09	2.55E-10	7.87E-10	1.04E-09
7269	436740.97	3762269.27	3.03E-09	1.03E-08	1.33E-08	4.70E-10	1.69E-09	2.16E-09	2.53E-10	7.82E-10	1.04E-09
7270	436744.66	3762260.32	3E-09	1.02E-08	1.32E-08	4.67E-10	1.67E-09	2.14E-09	2.51E-10	7.76E-10	1.03E-09
7271	436748.35	3762251.37	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.49E-10	7.70E-10	1.02E-09
7272	436792.65	3762143.96	2.69E-09	9.16E-09	1.18E-08	4.17E-10	1.50E-09	1.91E-09	2.25E-10	6.94E-10	9.19E-10
7273	436805.26	3762131.26	2.67E-09	9.12E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.24E-10	6.91E-10	9.15E-10
7274	436832.05	3762120.02	2.71E-09	9.24E-09	1.20E-08	4.21E-10	1.51E-09	1.93E-09	2.27E-10	7.01E-10	9.27E-10
7275	436840.97	3762116.27	2.72E-09	9.28E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.03E-10	9.31E-10
7276	436849.9	3762112.52	2.73E-09	9.32E-09	1.20E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.06E-10	9.35E-10
7277	436858.83	3762108.78	2.74E-09	9.35E-09	1.21E-08	4.26E-10	1.53E-09	1.95E-09	2.30E-10	7.09E-10	9.38E-10
7278	436867.76	3762105.03	2.75E-09	9.38E-09	1.21E-08	4.28E-10	1.53E-09	1.96E-09	2.30E-10	7.11E-10	9.41E-10
7279	436876.68	3762101.28	2.76E-09	9.42E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.13E-10	9.45E-10
7280	436885.61	3762097.53	2.77E-09	9.44E-09	1.22E-08	4.30E-10	1.54E-09	1.97E-09	2.32E-10	7.15E-10	9.47E-10
7281	437162.36	3761981.37	2.55E-09	8.70E-09	1.13E-08	3.96E-10	1.42E-09	1.82E-09	2.14E-10	6.59E-10	8.73E-10
7282	437171.29	3761977.62	2.54E-09	8.65E-09	1.12E-08	3.94E-10	1.41E-09	1.81E-09	2.12E-10	6.55E-10	8.68E-10
7283	437180.22	3761973.87	2.52E-09	8.60E-09	1.11E-08	3.92E-10	1.40E-09	1.80E-09	2.11E-10	6.51E-10	8.62E-10
7284	437189.14	3761970.13	2.51E-09	8.55E-09	1.11E-08	3.89E-10	1.40E-09	1.79E-09	2.10E-10	6.48E-10	8.57E-10
7285	437198.07	3761966.38	2.49E-09	8.49E-09	1.10E-08	3.87E-10	1.39E-09	1.77E-09	2.09E-10	6.44E-10	8.52E-10
7286	437207	3761962.63	2.48E-09	8.44E-09	1.09E-08	3.85E-10	1.38E-09	1.76E-09	2.07E-10	6.40E-10	8.47E-10
7287	437215.93	3761958.88	2.46E-09	8.40E-09	1.09E-08	3.83E-10	1.37E-09	1.75E-09	2.06E-10	6.36E-10	8.42E-10
7288	437224.85	3761955.14	2.45E-09	8.35E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.05E-10	6.32E-10	8.37E-10
7289	437233.78	3761951.39	2.43E-09	8.29E-09	1.07E-08	3.78E-10	1.36E-09	1.73E-09	2.04E-10	6.29E-10	8.32E-10
7290	437242.71	3761947.64	2.42E-09	8.25E-09	1.07E-08	3.76E-10	1.35E-09	1.72E-09	2.02E-10	6.25E-10	8.27E-10
7291	437251.63	3761943.89	2.41E-09	8.20E-09	1.06E-08	3.74E-10	1.34E-09	1.71E-09	2.01E-10	6.21E-10	8.23E-10
7292	437260.56	3761940.15	2.39E-09	8.16E-09	1.06E-08	3.72E-10	1.33E-09	1.70E-09	2.00E-10	6.18E-10	8.18E-10
7293	437269.49	3761936.4	2.38E-09	8.12E-09	1.05E-08	3.70E-10	1.33E-09	1.70E-09	1.99E-10	6.15E-10	8.14E-10
7294	437278.42	3761932.65	2.37E-09	8.08E-09	1.04E-08	3.68E-10	1.32E-09	1.69E-09	1.98E-10	6.12E-10	8.10E-10
7295	437287.34	3761928.9	2.36E-09	8.04E-09	1.04E-08	3.66E-10	1.31E-09	1.68E-09	1.97E-10	6.09E-10	8.07E-10
7296	437296.27	3761925.16	2.35E-09	8.01E-09	1.04E-08	3.65E-10	1.31E-09	1.67E-09	1.97E-10	6.07E-10	8.03E-10
7297	437305.2	3761921.41	2.34E-09	7.97E-09	1.03E-08	3.63E-10	1.30E-09	1.67E-09	1.96E-10	6.04E-10	8.00E-10
7298	437314.13	3761917.66	2.33E-09	7.94E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.02E-10	7.97E-10
7299	437323.05	3761913.92	2.32E-09	7.92E-09	1.02E-08	3.61E-10	1.29E-09	1.65E-09	1.94E-10	6.00E-10	7.94E-10
7300	437331.98	3761910.17	2.31E-09	7.89E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.92E-10
7301	437340.91	3761906.42	2.31E-09	7.87E-09	1.02E-08	3.59E-10	1.29E-09	1.64E-09	1.93E-10	5.96E-10	7.90E-10
7302	437349.84	3761902.67	2.3E-09	7.85E-09	1.01E-08	3.58E-10	1.28E-09	1.64E-09	1.93E-10	5.95E-10	7.87E-10
7303	436527.44	3762690.07	3.47E-09	1.18E-08	1.53E-08	5.40E-10	1.93E-09	2.47E-09	2.91E-10	8.97E-10	1.19E-09
7304	436531.09	3762681.24	3.49E-09	1.19E-08	1.54E-08	5.42E-10	1.94E-09	2.48E-09	2.92E-10	9.01E-10	1.19E-09
7305	436534.73	3762672.4	3.5E-09	1.19E-08	1.54E-08	5.44E-10	1.95E-09	2.49E-09	2.93E-10	9.04E-10	1.20E-09
7306	436538.38	3762663.56	3.51E-09	1.20E-08	1.55E-08	5.45E-10	1.95E-09	2.50E-09	2.94E-10	9.07E-10	1.20E-09
7307	436542.02	3762654.72	3.52E-09	1.20E-08	1.55E-08	5.46E-10	1.96E-09	2.51E-09	2.94E-10	9.09E-10	1.20E-09
7308	436545.67	3762645.89	3.52E-09	1.20E-08	1.55E-08	5.47E-10	1.96E-09	2.51E-09	2.95E-10	9.10E-10	1.20E-09
7309	436549.31	3762637.05	3.53E-09	1.20E-08	1.56E-08	5.48E-10	1.96E-09	2.51E-09	2.95E-10	9.11E-10	1.21E-09
7310	436574.82	3762575.19	3.49E-09	1.19E-08	1.54E-08	5.43E-10	1.95E-09	2.49E-09	2.92E-10	9.03E-10	1.20E-09
7311	436578.46	3762566.35	3.48E-09	1.19E-08	1.54E-08	5.41E-10	1.94E-09	2.48E-09	2.91E-10	8.99E-10	1.19E-09
7312	436582.11	3762557.51	3.47E-09	1.18E-08	1.53E-08	5.39E-10	1.93E-09	2.47E-09	2.90E-10	8.96E-10	1.19E-09
7313	436585.75	3762548.68	3.45E-09	1.18E-08	1.52E-08	5.37E-10	1.92E-09	2.46E-09	2.89E-10	8.92E-10	1.18E-09
7314	436589.4	3762539.84	3.44E-09	1.17E-08	1.52E-08	5.34E-10	1.91E-09	2.45E-09	2.88E-10	8.88E-10	1.18E-09
7315	436593.04	3762531	3.42E-09	1.17E-08	1.51E-08	5.32E-10	1.91E-09	2.44E-09	2.86E-10	8.84E-10	1.17E-09
7316	436596.68	3762522.16	3.4E-09	1.16E-08	1.50E-08	5.29E-10	1.90E-09	2.43E-09	2.85E-10	8.80E-10	1.16E-09

7317	436600.33	3762513.33	3.39E-09	1.15E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.83E-10	8.75E-10	1.16E-09
7318	436603.97	3762504.49	3.37E-09	1.15E-08	1.49E-08	5.23E-10	1.88E-09	2.40E-09	2.82E-10	8.70E-10	1.15E-09
7319	436607.62	3762495.65	3.35E-09	1.14E-08	1.48E-08	5.20E-10	1.86E-09	2.39E-09	2.80E-10	8.65E-10	1.15E-09
7320	436611.26	3762486.82	3.33E-09	1.14E-08	1.47E-08	5.17E-10	1.85E-09	2.37E-09	2.79E-10	8.60E-10	1.14E-09
7321	436629.48	3762442.63	3.22E-09	1.10E-08	1.42E-08	5.01E-10	1.80E-09	2.30E-09	2.70E-10	8.33E-10	1.10E-09
7322	436633.13	3762433.79	3.2E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.27E-10	1.10E-09
7323	436636.77	3762424.95	3.18E-09	1.08E-08	1.40E-08	4.94E-10	1.77E-09	2.26E-09	2.66E-10	8.21E-10	1.09E-09
7324	436640.42	3762416.12	3.16E-09	1.08E-08	1.39E-08	4.91E-10	1.76E-09	2.25E-09	2.64E-10	8.16E-10	1.08E-09
7325	436644.06	3762407.28	3.14E-09	1.07E-08	1.38E-08	4.87E-10	1.75E-09	2.23E-09	2.63E-10	8.10E-10	1.07E-09
7326	436647.7	3762398.44	3.12E-09	1.06E-08	1.37E-08	4.84E-10	1.74E-09	2.22E-09	2.61E-10	8.05E-10	1.07E-09
7327	436651.35	3762389.61	3.1E-09	1.06E-08	1.37E-08	4.81E-10	1.73E-09	2.21E-09	2.59E-10	8.00E-10	1.06E-09
7328	436665.93	3762354.26	3.02E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.53E-10	7.81E-10	1.03E-09
7329	436669.57	3762345.42	3E-09	1.02E-08	1.32E-08	4.66E-10	1.67E-09	2.14E-09	2.51E-10	7.76E-10	1.03E-09
7330	436673.21	3762336.58	2.98E-09	1.02E-08	1.32E-08	4.64E-10	1.66E-09	2.13E-09	2.50E-10	7.71E-10	1.02E-09
7331	436676.86	3762327.74	2.97E-09	1.01E-08	1.31E-08	4.61E-10	1.65E-09	2.11E-09	2.48E-10	7.66E-10	1.01E-09
7332	436680.5	3762318.91	2.95E-09	1.00E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.61E-10	1.01E-09
7333	436684.15	3762310.07	2.93E-09	9.98E-09	1.29E-08	4.55E-10	1.63E-09	2.09E-09	2.45E-10	7.56E-10	1.00E-09
7334	436687.79	3762301.23	2.91E-09	9.91E-09	1.28E-08	4.52E-10	1.62E-09	2.07E-09	2.43E-10	7.51E-10	9.94E-10
7335	436691.43	3762292.4	2.89E-09	9.85E-09	1.27E-08	4.49E-10	1.61E-09	2.06E-09	2.42E-10	7.46E-10	9.88E-10
7336	436695.08	3762283.56	2.87E-09	9.78E-09	1.27E-08	4.46E-10	1.60E-09	2.04E-09	2.40E-10	7.41E-10	9.82E-10
7337	436698.72	3762274.72	2.85E-09	9.72E-09	1.26E-08	4.43E-10	1.59E-09	2.03E-09	2.39E-10	7.36E-10	9.75E-10
7338	436702.37	3762265.88	2.83E-09	9.65E-09	1.25E-08	4.40E-10	1.58E-09	2.02E-09	2.37E-10	7.31E-10	9.68E-10
7339	436706.01	3762257.05	2.81E-09	9.58E-09	1.24E-08	4.37E-10	1.57E-09	2.00E-09	2.35E-10	7.26E-10	9.61E-10
7340	436709.66	3762248.21	2.79E-09	9.51E-09	1.23E-08	4.33E-10	1.55E-09	1.99E-09	2.33E-10	7.21E-10	9.54E-10
7341	436713.3	3762239.37	2.77E-09	9.44E-09	1.22E-08	4.30E-10	1.54E-09	1.97E-09	2.32E-10	7.15E-10	9.47E-10
7342	436716.94	3762230.53	2.75E-09	9.38E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.11E-10	9.41E-10
7343	436720.59	3762221.7	2.73E-09	9.32E-09	1.21E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.06E-10	9.35E-10
7344	436724.23	3762212.86	2.72E-09	9.26E-09	1.20E-08	4.22E-10	1.51E-09	1.93E-09	2.27E-10	7.02E-10	9.29E-10
7345	436727.88	3762204.02	2.7E-09	9.19E-09	1.19E-08	4.19E-10	1.50E-09	1.92E-09	2.26E-10	6.97E-10	9.22E-10
7346	436731.52	3762195.19	2.68E-09	9.13E-09	1.18E-08	4.16E-10	1.49E-09	1.91E-09	2.24E-10	6.92E-10	9.16E-10
7347	437067.64	3761981.02	2.48E-09	8.45E-09	1.09E-08	3.85E-10	1.38E-09	1.77E-09	2.08E-10	6.41E-10	8.48E-10
7348	437076.46	3761977.32	2.47E-09	8.42E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.38E-10	8.44E-10
7349	437085.27	3761973.62	2.46E-09	8.38E-09	1.08E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.35E-10	8.40E-10
7350	437094.09	3761969.92	2.44E-09	8.33E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.05E-10	6.32E-10	8.36E-10
7351	437102.9	3761966.22	2.43E-09	8.29E-09	1.07E-08	3.78E-10	1.35E-09	1.73E-09	2.03E-10	6.28E-10	8.32E-10
7352	437111.72	3761962.52	2.42E-09	8.24E-09	1.07E-08	3.76E-10	1.35E-09	1.72E-09	2.02E-10	6.24E-10	8.27E-10
7353	437120.53	3761958.82	2.4E-09	8.19E-09	1.06E-08	3.73E-10	1.34E-09	1.71E-09	2.01E-10	6.21E-10	8.22E-10
7354	437129.34	3761955.12	2.39E-09	8.15E-09	1.05E-08	3.71E-10	1.33E-09	1.70E-09	2.00E-10	6.17E-10	8.17E-10
7355	437138.16	3761951.42	2.38E-09	8.10E-09	1.05E-08	3.69E-10	1.32E-09	1.69E-09	1.99E-10	6.14E-10	8.13E-10
7356	437146.97	3761947.72	2.36E-09	8.05E-09	1.04E-08	3.67E-10	1.32E-09	1.68E-09	1.98E-10	6.10E-10	8.08E-10
7357	437155.79	3761944.02	2.35E-09	8.01E-09	1.04E-08	3.65E-10	1.31E-09	1.67E-09	1.97E-10	6.07E-10	8.04E-10
7358	437164.6	3761940.32	2.34E-09	7.96E-09	1.03E-08	3.63E-10	1.30E-09	1.66E-09	1.95E-10	6.03E-10	7.99E-10
7359	437173.41	3761936.62	2.32E-09	7.92E-09	1.02E-08	3.61E-10	1.29E-09	1.65E-09	1.94E-10	6.00E-10	7.95E-10
7360	437182.23	3761932.92	2.31E-09	7.88E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.93E-10	5.97E-10	7.90E-10
7361	437191.04	3761929.22	2.3E-09	7.83E-09	1.01E-08	3.57E-10	1.28E-09	1.64E-09	1.92E-10	5.93E-10	7.86E-10
7362	437199.86	3761925.52	2.28E-09	7.79E-09	1.01E-08	3.55E-10	1.27E-09	1.63E-09	1.91E-10	5.90E-10	7.81E-10
7363	437208.67	3761921.82	2.27E-09	7.74E-09	1.00E-08	3.53E-10	1.26E-09	1.62E-09	1.90E-10	5.87E-10	7.77E-10
7364	437217.49	3761918.12	2.26E-09	7.70E-09	9.96E-09	3.51E-10	1.26E-09	1.61E-09	1.89E-10	5.84E-10	7.73E-10
7365	437226.3	3761914.42	2.25E-09	7.66E-09	9.91E-09	3.49E-10	1.25E-09	1.60E-09	1.88E-10	5.80E-10	7.68E-10
7366	437235.11	3761910.72	2.23E-09	7.62E-09	9.85E-09	3.47E-10	1.24E-09	1.59E-09	1.87E-10	5.77E-10	7.64E-10
7367	437243.93	3761907.02	2.22E-09	7.58E-09	9.80E-09	3.45E-10	1.24E-09	1.58E-09	1.86E-10	5.74E-10	7.60E-10
7368	437252.74	3761903.32	2.21E-09	7.55E-09	9.76E-09	3.44E-10	1.23E-09	1.58E-09	1.85E-10	5.72E-10	7.57E-10
7369	437261.56	3761899.62	2.2E-09	7.51E-09	9.71E-09	3.42E-10	1.23E-09	1.57E-09	1.84E-10	5.69E-10	7.53E-10
7370	437270.37	3761895.92	2.19E-09	7.48E-09	9.67E-09	3.41E-10	1.22E-09	1.56E-09	1.84E-10	5.67E-10	7.50E-10
7371	437279.18	3761892.22	2.18E-09	7.45E-09	9.63E-09	3.39E-10	1.22E-09	1.56E-09	1.83E-10	5.64E-10	7.47E-10
7372	436523.8	3762698.91	3.46E-09	1.18E-08	1.52E-08	5.37E-10	1.93E-09	2.46E-09	2.89E-10	8.93E-10	1.18E-09
7373	436523.8	3762708.61	3.46E-09	1.18E-08	1.53E-08	5.38E-10	1.93E-09	2.47E-09	2.90E-10	8.95E-10	1.19E-09
7374	436523.8	3762718.3	3.47E-09	1.18E-08	1.53E-08	5.39E-10	1.93E-09	2.47E-09	2.90E-10	8.97E-10	1.19E-09
7375	436523.8	3762728	3.47E-09	1.18E-08	1.53E-08	5.40E-10	1.94E-09	2.48E-09	2.91E-10	8.98E-10	1.19E-09
7376	436523.8	3762737.69	3.48E-09	1.19E-08	1.53E-08	5.40E-10	1.94E-09	2.48E-09	2.91E-10	8.98E-10	1.19E-09
7377	436523.8	3762747.39	3.48E-09	1.19E-08	1.53E-08	5.40E-10	1.94E-09	2.48E-09	2.91E-10	8.98E-10	1.19E-09

7378	436523.8	3762757.09	3.48E-09	1.19E-08	1.53E-08	5.40E-10	1.94E-09	2.48E-09	2.91E-10	8.98E-10	1.19E-09
7379	436523.8	3762766.78	3.47E-09	1.18E-08	1.53E-08	5.39E-10	1.93E-09	2.47E-09	2.91E-10	8.97E-10	1.19E-09
7380	436523.8	3762776.48	3.47E-09	1.18E-08	1.53E-08	5.39E-10	1.93E-09	2.47E-09	2.90E-10	8.96E-10	1.19E-09
7381	436523.8	3762786.17	3.46E-09	1.18E-08	1.53E-08	5.38E-10	1.93E-09	2.46E-09	2.90E-10	8.94E-10	1.18E-09
7382	436523.8	3762795.87	3.45E-09	1.18E-08	1.52E-08	5.37E-10	1.92E-09	2.46E-09	2.89E-10	8.92E-10	1.18E-09
7383	436523.8	3762805.56	3.44E-09	1.17E-08	1.52E-08	5.35E-10	1.92E-09	2.45E-09	2.88E-10	8.90E-10	1.18E-09
7384	436523.8	3762815.26	3.43E-09	1.17E-08	1.51E-08	5.33E-10	1.91E-09	2.45E-09	2.87E-10	8.87E-10	1.17E-09
7385	436523.8	3762824.96	3.42E-09	1.17E-08	1.51E-08	5.32E-10	1.91E-09	2.44E-09	2.86E-10	8.84E-10	1.17E-09
7386	436523.8	3762834.65	3.41E-09	1.16E-08	1.50E-08	5.30E-10	1.90E-09	2.43E-09	2.85E-10	8.81E-10	1.17E-09
7387	436523.8	3762844.35	3.4E-09	1.16E-08	1.50E-08	5.28E-10	1.89E-09	2.42E-09	2.84E-10	8.78E-10	1.16E-09
7388	436523.8	3762854.04	3.38E-09	1.15E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.83E-10	8.74E-10	1.16E-09
7389	436487.45	3762690.05	3.22E-09	1.10E-08	1.42E-08	5.00E-10	1.79E-09	2.29E-09	2.69E-10	8.31E-10	1.10E-09
7390	436491.11	3762681.19	3.23E-09	1.10E-08	1.42E-08	5.02E-10	1.80E-09	2.30E-09	2.70E-10	8.34E-10	1.10E-09
7391	436494.76	3762672.33	3.24E-09	1.11E-08	1.43E-08	5.04E-10	1.81E-09	2.31E-09	2.71E-10	8.37E-10	1.11E-09
7392	436498.42	3762663.46	3.25E-09	1.11E-08	1.43E-08	5.05E-10	1.81E-09	2.32E-09	2.72E-10	8.40E-10	1.11E-09
7393	436502.07	3762654.6	3.26E-09	1.11E-08	1.44E-08	5.06E-10	1.82E-09	2.32E-09	2.73E-10	8.42E-10	1.11E-09
7394	436505.72	3762645.74	3.27E-09	1.11E-08	1.44E-08	5.07E-10	1.82E-09	2.33E-09	2.73E-10	8.44E-10	1.12E-09
7395	436509.38	3762636.88	3.27E-09	1.12E-08	1.44E-08	5.08E-10	1.82E-09	2.33E-09	2.74E-10	8.45E-10	1.12E-09
7396	436513.03	3762628.02	3.27E-09	1.12E-08	1.44E-08	5.08E-10	1.82E-09	2.33E-09	2.74E-10	8.46E-10	1.12E-09
7397	436516.69	3762619.16	3.27E-09	1.12E-08	1.44E-08	5.09E-10	1.82E-09	2.33E-09	2.74E-10	8.46E-10	1.12E-09
7398	436520.34	3762610.3	3.27E-09	1.12E-08	1.44E-08	5.09E-10	1.82E-09	2.33E-09	2.74E-10	8.46E-10	1.12E-09
7399	436524	3762601.44	3.27E-09	1.12E-08	1.44E-08	5.08E-10	1.82E-09	2.33E-09	2.74E-10	8.45E-10	1.12E-09
7400	436527.65	3762592.57	3.27E-09	1.11E-08	1.44E-08	5.07E-10	1.82E-09	2.33E-09	2.73E-10	8.44E-10	1.12E-09
7401	436531.3	3762583.71	3.26E-09	1.11E-08	1.44E-08	5.07E-10	1.82E-09	2.32E-09	2.73E-10	8.42E-10	1.12E-09
7402	436534.96	3762574.85	3.25E-09	1.11E-08	1.43E-08	5.05E-10	1.81E-09	2.32E-09	2.72E-10	8.40E-10	1.11E-09
7403	436538.61	3762565.99	3.24E-09	1.11E-08	1.43E-08	5.04E-10	1.81E-09	2.31E-09	2.71E-10	8.38E-10	1.11E-09
7404	436542.27	3762557.13	3.23E-09	1.10E-08	1.43E-08	5.02E-10	1.80E-09	2.30E-09	2.71E-10	8.35E-10	1.11E-09
7405	436545.92	3762548.27	3.22E-09	1.10E-08	1.42E-08	5.00E-10	1.79E-09	2.29E-09	2.70E-10	8.32E-10	1.10E-09
7406	436549.57	3762539.41	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.28E-09	2.68E-10	8.28E-10	1.10E-09
7407	436589.77	3762441.93	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.15E-09	2.52E-10	7.78E-10	1.03E-09
7408	436593.42	3762433.07	2.99E-09	1.02E-08	1.32E-08	4.65E-10	1.67E-09	2.13E-09	2.50E-10	7.73E-10	1.02E-09
7409	436597.08	3762424.21	2.97E-09	1.01E-08	1.31E-08	4.62E-10	1.66E-09	2.12E-09	2.49E-10	7.68E-10	1.02E-09
7410	436600.73	3762415.35	2.95E-09	1.01E-08	1.30E-08	4.59E-10	1.65E-09	2.10E-09	2.47E-10	7.63E-10	1.01E-09
7411	436604.39	3762406.49	2.94E-09	1.00E-08	1.29E-08	4.56E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.00E-09
7412	436608.04	3762397.63	2.92E-09	9.95E-09	1.29E-08	4.53E-10	1.63E-09	2.08E-09	2.44E-10	7.54E-10	9.98E-10
7413	436611.7	3762388.76	2.9E-09	9.89E-09	1.28E-08	4.51E-10	1.62E-09	2.07E-09	2.43E-10	7.49E-10	9.92E-10
7414	436626.31	3762353.32	2.83E-09	9.64E-09	1.25E-08	4.39E-10	1.58E-09	2.01E-09	2.37E-10	7.31E-10	9.67E-10
7415	436629.97	3762344.46	2.81E-09	9.58E-09	1.24E-08	4.37E-10	1.57E-09	2.00E-09	2.35E-10	7.26E-10	9.61E-10
7416	436633.62	3762335.6	2.79E-09	9.52E-09	1.23E-08	4.34E-10	1.56E-09	1.99E-09	2.34E-10	7.21E-10	9.55E-10
7417	436637.27	3762326.73	2.77E-09	9.46E-09	1.22E-08	4.31E-10	1.55E-09	1.98E-09	2.32E-10	7.17E-10	9.49E-10
7418	436640.93	3762317.87	2.76E-09	9.40E-09	1.22E-08	4.28E-10	1.54E-09	1.96E-09	2.31E-10	7.12E-10	9.43E-10
7419	436644.58	3762309.01	2.74E-09	9.35E-09	1.21E-08	4.26E-10	1.53E-09	1.95E-09	2.29E-10	7.08E-10	9.38E-10
7420	436648.24	3762300.15	2.72E-09	9.29E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.04E-10	9.32E-10
7421	436651.89	3762291.29	2.71E-09	9.23E-09	1.19E-08	4.21E-10	1.51E-09	1.93E-09	2.27E-10	7.00E-10	9.26E-10
7422	436655.55	3762282.43	2.69E-09	9.18E-09	1.19E-08	4.18E-10	1.50E-09	1.92E-09	2.25E-10	6.95E-10	9.21E-10
7423	436659.2	3762273.57	2.68E-09	9.12E-09	1.18E-08	4.16E-10	1.49E-09	1.91E-09	2.24E-10	6.91E-10	9.15E-10
7424	436662.85	3762264.71	2.66E-09	9.07E-09	1.17E-08	4.13E-10	1.48E-09	1.89E-09	2.23E-10	6.87E-10	9.09E-10
7425	436666.51	3762255.84	2.64E-09	9.01E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.83E-10	9.04E-10
7426	436670.16	3762246.98	2.62E-09	8.95E-09	1.16E-08	4.08E-10	1.46E-09	1.87E-09	2.20E-10	6.78E-10	8.97E-10
7427	436673.82	3762238.12	2.61E-09	8.88E-09	1.15E-08	4.05E-10	1.45E-09	1.86E-09	2.18E-10	6.73E-10	8.91E-10
7428	436677.47	3762229.26	2.59E-09	8.83E-09	1.14E-08	4.02E-10	1.44E-09	1.84E-09	2.17E-10	6.69E-10	8.85E-10
7429	436681.12	3762220.4	2.57E-09	8.77E-09	1.13E-08	4.00E-10	1.43E-09	1.83E-09	2.15E-10	6.65E-10	8.80E-10
7430	436684.78	3762211.54	2.55E-09	8.71E-09	1.13E-08	3.97E-10	1.42E-09	1.82E-09	2.14E-10	6.60E-10	8.74E-10
7431	436688.43	3762202.68	2.54E-09	8.66E-09	1.12E-08	3.94E-10	1.41E-09	1.81E-09	2.13E-10	6.56E-10	8.69E-10
7432	436978.22	3761978.45	2.36E-09	8.04E-09	1.04E-08	3.66E-10	1.31E-09	1.68E-09	1.97E-10	6.09E-10	8.07E-10
7433	436987.06	3761974.74	2.35E-09	8.02E-09	1.04E-08	3.65E-10	1.31E-09	1.68E-09	1.97E-10	6.08E-10	8.05E-10
7434	436995.9	3761971.03	2.35E-09	8.00E-09	1.03E-08	3.65E-10	1.31E-09	1.67E-09	1.96E-10	6.06E-10	8.03E-10
7435	437004.73	3761967.32	2.34E-09	7.98E-09	1.03E-08	3.64E-10	1.30E-09	1.67E-09	1.96E-10	6.05E-10	8.01E-10
7436	437013.57	3761963.61	2.34E-09	7.96E-09	1.03E-08	3.63E-10	1.30E-09	1.66E-09	1.95E-10	6.03E-10	7.99E-10
7437	437022.41	3761959.9	2.33E-09	7.95E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.02E-10	7.97E-10
7438	437031.25	3761956.19	2.32E-09	7.92E-09	1.02E-08	3.61E-10	1.29E-09	1.65E-09	1.94E-10	6.00E-10	7.95E-10

7439	437040.09	3761952.48	2.32E-09	7.90E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.92E-10
7440	437048.93	3761948.77	2.31E-09	7.87E-09	1.02E-08	3.58E-10	1.28E-09	1.64E-09	1.93E-10	5.96E-10	7.89E-10
7441	437057.76	3761945.06	2.3E-09	7.83E-09	1.01E-08	3.57E-10	1.28E-09	1.64E-09	1.92E-10	5.94E-10	7.86E-10
7442	437066.6	3761941.35	2.29E-09	7.80E-09	1.01E-08	3.55E-10	1.27E-09	1.63E-09	1.91E-10	5.91E-10	7.82E-10
7443	437075.44	3761937.64	2.28E-09	7.76E-09	1.00E-08	3.54E-10	1.27E-09	1.62E-09	1.90E-10	5.88E-10	7.78E-10
7444	437084.28	3761933.93	2.26E-09	7.72E-09	9.98E-09	3.52E-10	1.26E-09	1.61E-09	1.89E-10	5.85E-10	7.74E-10
7445	437093.12	3761930.22	2.25E-09	7.67E-09	9.92E-09	3.50E-10	1.25E-09	1.60E-09	1.88E-10	5.81E-10	7.70E-10
7446	437101.95	3761926.51	2.24E-09	7.63E-09	9.87E-09	3.48E-10	1.25E-09	1.59E-09	1.87E-10	5.78E-10	7.66E-10
7447	437110.79	3761922.8	2.23E-09	7.59E-09	9.82E-09	3.46E-10	1.24E-09	1.59E-09	1.86E-10	5.75E-10	7.61E-10
7448	437119.63	3761919.09	2.21E-09	7.55E-09	9.76E-09	3.44E-10	1.23E-09	1.58E-09	1.85E-10	5.72E-10	7.57E-10
7449	437128.47	3761915.38	2.2E-09	7.51E-09	9.71E-09	3.42E-10	1.23E-09	1.57E-09	1.84E-10	5.69E-10	7.53E-10
7450	437137.31	3761911.67	2.19E-09	7.47E-09	9.66E-09	3.40E-10	1.22E-09	1.56E-09	1.83E-10	5.66E-10	7.49E-10
7451	437146.14	3761907.96	2.18E-09	7.43E-09	9.61E-09	3.38E-10	1.21E-09	1.55E-09	1.82E-10	5.63E-10	7.45E-10
7452	437154.98	3761904.25	2.17E-09	7.39E-09	9.55E-09	3.37E-10	1.21E-09	1.54E-09	1.81E-10	5.60E-10	7.41E-10
7453	437163.82	3761900.54	2.15E-09	7.35E-09	9.50E-09	3.35E-10	1.20E-09	1.53E-09	1.80E-10	5.57E-10	7.37E-10
7454	437172.66	3761896.83	2.14E-09	7.30E-09	9.44E-09	3.33E-10	1.19E-09	1.53E-09	1.79E-10	5.53E-10	7.33E-10
7455	437181.5	3761893.12	2.13E-09	7.26E-09	9.39E-09	3.31E-10	1.19E-09	1.52E-09	1.78E-10	5.50E-10	7.29E-10
7456	437190.34	3761889.41	2.12E-09	7.22E-09	9.34E-09	3.29E-10	1.18E-09	1.51E-09	1.77E-10	5.47E-10	7.25E-10
7457	436483.8	3762698.91	3.2E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.27E-10	1.10E-09
7458	436483.8	3762708.61	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.28E-09	2.68E-10	8.29E-10	1.10E-09
7459	436483.8	3762718.3	3.21E-09	1.10E-08	1.42E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.30E-10	1.10E-09
7460	436483.8	3762728	3.21E-09	1.10E-08	1.42E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.30E-10	1.10E-09
7461	436483.8	3762737.69	3.21E-09	1.10E-08	1.42E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.31E-10	1.10E-09
7462	436483.8	3762747.39	3.21E-09	1.10E-08	1.42E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.30E-10	1.10E-09
7463	436483.8	3762757.09	3.21E-09	1.09E-08	1.42E-08	4.99E-10	1.79E-09	2.29E-09	2.69E-10	8.30E-10	1.10E-09
7464	436483.8	3762766.78	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.28E-09	2.68E-10	8.29E-10	1.10E-09
7465	436483.8	3762776.48	3.2E-09	1.09E-08	1.41E-08	4.98E-10	1.78E-09	2.28E-09	2.68E-10	8.27E-10	1.10E-09
7466	436483.8	3762786.17	3.2E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.26E-10	1.09E-09
7467	436483.8	3762795.87	3.19E-09	1.09E-08	1.41E-08	4.96E-10	1.78E-09	2.27E-09	2.67E-10	8.24E-10	1.09E-09
7468	436483.8	3762805.56	3.18E-09	1.08E-08	1.40E-08	4.94E-10	1.77E-09	2.27E-09	2.66E-10	8.22E-10	1.09E-09
7469	436483.8	3762815.26	3.17E-09	1.08E-08	1.40E-08	4.93E-10	1.77E-09	2.26E-09	2.66E-10	8.20E-10	1.09E-09
7470	436483.8	3762824.96	3.16E-09	1.08E-08	1.39E-08	4.91E-10	1.76E-09	2.25E-09	2.65E-10	8.17E-10	1.08E-09
7471	436483.8	3762834.65	3.15E-09	1.07E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.15E-10	1.08E-09
7472	436483.8	3762844.35	3.14E-09	1.07E-08	1.38E-08	4.88E-10	1.75E-09	2.24E-09	2.63E-10	8.11E-10	1.07E-09
7473	436483.8	3762854.04	3.13E-09	1.07E-08	1.38E-08	4.86E-10	1.74E-09	2.23E-09	2.62E-10	8.08E-10	1.07E-09
7474	436447.46	3762690.03	2.99E-09	1.02E-08	1.32E-08	4.64E-10	1.67E-09	2.13E-09	2.50E-10	7.72E-10	1.02E-09
7475	436451.13	3762681.14	3E-09	1.02E-08	1.32E-08	4.66E-10	1.67E-09	2.14E-09	2.51E-10	7.75E-10	1.03E-09
7476	436454.79	3762672.26	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.15E-09	2.52E-10	7.78E-10	1.03E-09
7477	436458.45	3762663.38	3.02E-09	1.03E-08	1.33E-08	4.70E-10	1.68E-09	2.15E-09	2.53E-10	7.81E-10	1.03E-09
7478	436462.12	3762654.49	3.03E-09	1.03E-08	1.34E-08	4.71E-10	1.69E-09	2.16E-09	2.54E-10	7.83E-10	1.04E-09
7479	436465.78	3762645.61	3.04E-09	1.04E-08	1.34E-08	4.72E-10	1.69E-09	2.16E-09	2.54E-10	7.85E-10	1.04E-09
7480	436469.44	3762636.73	3.04E-09	1.04E-08	1.34E-08	4.73E-10	1.69E-09	2.17E-09	2.55E-10	7.86E-10	1.04E-09
7481	436473.11	3762627.84	3.05E-09	1.04E-08	1.34E-08	4.73E-10	1.70E-09	2.17E-09	2.55E-10	7.87E-10	1.04E-09
7482	436476.77	3762618.96	3.05E-09	1.04E-08	1.34E-08	4.74E-10	1.70E-09	2.17E-09	2.55E-10	7.87E-10	1.04E-09
7483	436480.43	3762610.08	3.05E-09	1.04E-08	1.34E-08	4.74E-10	1.70E-09	2.17E-09	2.55E-10	7.88E-10	1.04E-09
7484	436484.1	3762601.19	3.05E-09	1.04E-08	1.34E-08	4.74E-10	1.70E-09	2.17E-09	2.55E-10	7.87E-10	1.04E-09
7485	436487.76	3762592.31	3.04E-09	1.04E-08	1.34E-08	4.73E-10	1.70E-09	2.17E-09	2.55E-10	7.87E-10	1.04E-09
7486	436491.42	3762583.43	3.04E-09	1.04E-08	1.34E-08	4.72E-10	1.69E-09	2.17E-09	2.54E-10	7.86E-10	1.04E-09
7487	436495.09	3762574.54	3.04E-09	1.03E-08	1.34E-08	4.72E-10	1.69E-09	2.16E-09	2.54E-10	7.84E-10	1.04E-09
7488	436498.75	3762565.66	3.03E-09	1.03E-08	1.34E-08	4.70E-10	1.69E-09	2.16E-09	2.53E-10	7.82E-10	1.04E-09
7489	436502.41	3762556.78	3.02E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.53E-10	7.80E-10	1.03E-09
7490	436506.08	3762547.89	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.14E-09	2.52E-10	7.78E-10	1.03E-09
7491	436509.74	3762539.01	3E-09	1.02E-08	1.32E-08	4.66E-10	1.67E-09	2.14E-09	2.51E-10	7.75E-10	1.03E-09
7492	436513.4	3762530.13	2.99E-09	1.02E-08	1.32E-08	4.64E-10	1.66E-09	2.13E-09	2.50E-10	7.72E-10	1.02E-09
7493	436517.07	3762521.24	2.97E-09	1.01E-08	1.31E-08	4.62E-10	1.66E-09	2.12E-09	2.49E-10	7.68E-10	1.02E-09
7494	436520.73	3762512.36	2.96E-09	1.01E-08	1.30E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.65E-10	1.01E-09
7495	436524.39	3762503.48	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.10E-09	2.46E-10	7.61E-10	1.01E-09
7496	436528.05	3762494.59	2.93E-09	9.98E-09	1.29E-08	4.55E-10	1.63E-09	2.09E-09	2.45E-10	7.56E-10	1.00E-09
7497	436531.72	3762485.71	2.91E-09	9.92E-09	1.28E-08	4.52E-10	1.62E-09	2.07E-09	2.43E-10	7.52E-10	9.95E-10
7498	436535.38	3762476.83	2.89E-09	9.86E-09	1.28E-08	4.49E-10	1.61E-09	2.06E-09	2.42E-10	7.47E-10	9.89E-10
7499	436539.04	3762467.94	2.87E-09	9.80E-09	1.27E-08	4.47E-10	1.60E-09	2.05E-09	2.41E-10	7.43E-10	9.83E-10

7500	436542.71	3762459.06	2.86E-09	9.74E-09	1.26E-08	4.44E-10	1.59E-09	2.04E-09	2.39E-10	7.38E-10	9.77E-10
7501	436546.37	3762450.18	2.84E-09	9.68E-09	1.25E-08	4.41E-10	1.58E-09	2.02E-09	2.38E-10	7.33E-10	9.71E-10
7502	436583	3762361.34	2.67E-09	9.10E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.23E-10	6.90E-10	9.13E-10
7503	436586.67	3762352.46	2.65E-09	9.05E-09	1.17E-08	4.12E-10	1.48E-09	1.89E-09	2.22E-10	6.86E-10	9.08E-10
7504	436590.33	3762343.57	2.64E-09	8.99E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.81E-10	9.02E-10
7505	436593.99	3762334.69	2.62E-09	8.94E-09	1.16E-08	4.07E-10	1.46E-09	1.87E-09	2.19E-10	6.77E-10	8.96E-10
7506	436597.66	3762325.81	2.6E-09	8.88E-09	1.15E-08	4.05E-10	1.45E-09	1.86E-09	2.18E-10	6.73E-10	8.91E-10
7507	436601.32	3762316.92	2.59E-09	8.83E-09	1.14E-08	4.02E-10	1.44E-09	1.84E-09	2.17E-10	6.69E-10	8.86E-10
7508	436604.98	3762308.04	2.57E-09	8.78E-09	1.14E-08	4.00E-10	1.43E-09	1.83E-09	2.15E-10	6.65E-10	8.81E-10
7509	436608.65	3762299.16	2.56E-09	8.72E-09	1.13E-08	3.98E-10	1.43E-09	1.82E-09	2.14E-10	6.61E-10	8.75E-10
7510	436612.31	3762290.27	2.54E-09	8.67E-09	1.12E-08	3.95E-10	1.42E-09	1.81E-09	2.13E-10	6.57E-10	8.70E-10
7511	436615.97	3762281.39	2.53E-09	8.63E-09	1.12E-08	3.93E-10	1.41E-09	1.80E-09	2.12E-10	6.54E-10	8.65E-10
7512	436619.64	3762272.51	2.51E-09	8.57E-09	1.11E-08	3.91E-10	1.40E-09	1.79E-09	2.10E-10	6.50E-10	8.60E-10
7513	436623.3	3762263.62	2.5E-09	8.53E-09	1.10E-08	3.89E-10	1.39E-09	1.78E-09	2.09E-10	6.46E-10	8.55E-10
7514	436626.96	3762254.74	2.49E-09	8.48E-09	1.10E-08	3.86E-10	1.39E-09	1.77E-09	2.08E-10	6.42E-10	8.51E-10
7515	436630.63	3762245.86	2.47E-09	8.43E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.39E-10	8.46E-10
7516	436634.29	3762236.97	2.46E-09	8.38E-09	1.08E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.35E-10	8.41E-10
7517	436637.95	3762228.09	2.44E-09	8.33E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.05E-10	6.32E-10	8.36E-10
7518	436641.62	3762219.21	2.43E-09	8.29E-09	1.07E-08	3.78E-10	1.35E-09	1.73E-09	2.03E-10	6.28E-10	8.31E-10
7519	436645.28	3762210.32	2.42E-09	8.24E-09	1.07E-08	3.75E-10	1.35E-09	1.72E-09	2.02E-10	6.24E-10	8.26E-10
7520	436648.94	3762201.44	2.4E-09	8.19E-09	1.06E-08	3.73E-10	1.34E-09	1.71E-09	2.01E-10	6.20E-10	8.21E-10
7521	436652.61	3762192.56	2.39E-09	8.14E-09	1.05E-08	3.71E-10	1.33E-09	1.70E-09	2.00E-10	6.17E-10	8.16E-10
7522	436656.27	3762183.67	2.37E-09	8.09E-09	1.05E-08	3.69E-10	1.32E-09	1.69E-09	1.99E-10	6.13E-10	8.12E-10
7523	436659.93	3762174.79	2.36E-09	8.04E-09	1.04E-08	3.66E-10	1.31E-09	1.68E-09	1.97E-10	6.09E-10	8.06E-10
7524	436663.6	3762165.91	2.34E-09	7.99E-09	1.03E-08	3.64E-10	1.30E-09	1.67E-09	1.96E-10	6.05E-10	8.01E-10
7525	436667.26	3762157.02	2.33E-09	7.94E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.01E-10	7.96E-10
7526	436670.92	3762148.14	2.31E-09	7.89E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.91E-10
7527	436674.58	3762139.26	2.3E-09	7.84E-09	1.01E-08	3.57E-10	1.28E-09	1.64E-09	1.92E-10	5.94E-10	7.86E-10
7528	436678.25	3762130.37	2.28E-09	7.78E-09	1.01E-08	3.55E-10	1.27E-09	1.63E-09	1.91E-10	5.90E-10	7.81E-10
7529	436879.56	3761979.76	2.23E-09	7.60E-09	9.83E-09	3.46E-10	1.24E-09	1.59E-09	1.87E-10	5.76E-10	7.63E-10
7530	436888.42	3761976.04	2.23E-09	7.60E-09	9.83E-09	3.46E-10	1.24E-09	1.59E-09	1.87E-10	5.76E-10	7.63E-10
7531	436897.28	3761972.32	2.23E-09	7.61E-09	9.84E-09	3.47E-10	1.24E-09	1.59E-09	1.87E-10	5.76E-10	7.63E-10
7532	436906.14	3761968.6	2.23E-09	7.60E-09	9.83E-09	3.46E-10	1.24E-09	1.59E-09	1.87E-10	5.76E-10	7.63E-10
7533	436915	3761964.88	2.23E-09	7.60E-09	9.83E-09	3.46E-10	1.24E-09	1.59E-09	1.87E-10	5.76E-10	7.63E-10
7534	436923.86	3761961.16	2.23E-09	7.59E-09	9.82E-09	3.46E-10	1.24E-09	1.59E-09	1.86E-10	5.75E-10	7.61E-10
7535	436932.72	3761957.45	2.22E-09	7.57E-09	9.80E-09	3.45E-10	1.24E-09	1.58E-09	1.86E-10	5.74E-10	7.60E-10
7536	436941.58	3761953.73	2.22E-09	7.56E-09	9.78E-09	3.44E-10	1.23E-09	1.58E-09	1.86E-10	5.73E-10	7.58E-10
7537	436950.44	3761950.01	2.21E-09	7.54E-09	9.75E-09	3.44E-10	1.23E-09	1.58E-09	1.85E-10	5.71E-10	7.56E-10
7538	436959.3	3761946.29	2.21E-09	7.52E-09	9.73E-09	3.43E-10	1.23E-09	1.57E-09	1.85E-10	5.70E-10	7.55E-10
7539	436968.16	3761942.57	2.2E-09	7.51E-09	9.71E-09	3.42E-10	1.23E-09	1.57E-09	1.84E-10	5.69E-10	7.53E-10
7540	436977.02	3761938.85	2.2E-09	7.49E-09	9.69E-09	3.41E-10	1.22E-09	1.57E-09	1.84E-10	5.68E-10	7.52E-10
7541	436985.88	3761935.13	2.19E-09	7.47E-09	9.66E-09	3.41E-10	1.22E-09	1.56E-09	1.83E-10	5.66E-10	7.50E-10
7542	436994.74	3761931.41	2.18E-09	7.45E-09	9.63E-09	3.39E-10	1.22E-09	1.56E-09	1.83E-10	5.64E-10	7.47E-10
7543	437003.6	3761927.69	2.18E-09	7.43E-09	9.60E-09	3.38E-10	1.21E-09	1.55E-09	1.82E-10	5.63E-10	7.45E-10
7544	437012.46	3761923.97	2.17E-09	7.40E-09	9.57E-09	3.37E-10	1.21E-09	1.55E-09	1.82E-10	5.61E-10	7.42E-10
7545	437021.32	3761920.25	2.16E-09	7.37E-09	9.53E-09	3.36E-10	1.20E-09	1.54E-09	1.81E-10	5.59E-10	7.40E-10
7546	437030.18	3761916.54	2.15E-09	7.34E-09	9.50E-09	3.35E-10	1.20E-09	1.53E-09	1.80E-10	5.56E-10	7.37E-10
7547	437039.04	3761912.82	2.14E-09	7.31E-09	9.46E-09	3.33E-10	1.19E-09	1.53E-09	1.80E-10	5.54E-10	7.34E-10
7548	437047.9	3761909.1	2.13E-09	7.28E-09	9.41E-09	3.32E-10	1.19E-09	1.52E-09	1.79E-10	5.52E-10	7.30E-10
7549	437056.76	3761905.38	2.12E-09	7.24E-09	9.36E-09	3.30E-10	1.18E-09	1.51E-09	1.78E-10	5.49E-10	7.26E-10
7550	437065.62	3761901.66	2.11E-09	7.21E-09	9.32E-09	3.28E-10	1.18E-09	1.51E-09	1.77E-10	5.46E-10	7.23E-10
7551	437074.48	3761897.94	2.1E-09	7.17E-09	9.27E-09	3.27E-10	1.17E-09	1.50E-09	1.76E-10	5.43E-10	7.19E-10
7552	437083.34	3761894.22	2.09E-09	7.13E-09	9.23E-09	3.25E-10	1.17E-09	1.49E-09	1.75E-10	5.41E-10	7.16E-10
7553	437092.2	3761890.5	2.08E-09	7.10E-09	9.18E-09	3.24E-10	1.16E-09	1.48E-09	1.74E-10	5.38E-10	7.12E-10
7554	437101.06	3761886.78	2.07E-09	7.06E-09	9.14E-09	3.22E-10	1.15E-09	1.48E-09	1.73E-10	5.35E-10	7.09E-10
7555	436443.8	3762698.91	2.97E-09	1.01E-08	1.31E-08	4.62E-10	1.66E-09	2.12E-09	2.49E-10	7.69E-10	1.02E-09
7556	436443.8	3762708.61	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.49E-10	7.70E-10	1.02E-09
7557	436443.8	3762718.3	2.98E-09	1.02E-08	1.32E-08	4.63E-10	1.66E-09	2.12E-09	2.50E-10	7.71E-10	1.02E-09
7558	436443.8	3762728	2.98E-09	1.02E-08	1.32E-08	4.64E-10	1.66E-09	2.13E-09	2.50E-10	7.71E-10	1.02E-09
7559	436443.8	3762737.69	2.98E-09	1.02E-08	1.32E-08	4.64E-10	1.66E-09	2.13E-09	2.50E-10	7.71E-10	1.02E-09
7560	436443.8	3762747.39	2.98E-09	1.02E-08	1.32E-08	4.63E-10	1.66E-09	2.12E-09	2.50E-10	7.71E-10	1.02E-09

7561	436443.8	3762757.09	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.49E-10	7.70E-10	1.02E-09
7562	436443.8	3762766.78	2.98E-09	1.01E-08	1.31E-08	4.62E-10	1.66E-09	2.12E-09	2.49E-10	7.69E-10	1.02E-09
7563	436443.8	3762776.48	2.97E-09	1.01E-08	1.31E-08	4.62E-10	1.65E-09	2.12E-09	2.49E-10	7.68E-10	1.02E-09
7564	436443.8	3762786.17	2.97E-09	1.01E-08	1.31E-08	4.61E-10	1.65E-09	2.11E-09	2.48E-10	7.66E-10	1.01E-09
7565	436443.8	3762795.87	2.96E-09	1.01E-08	1.30E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.65E-10	1.01E-09
7566	436443.8	3762805.56	2.95E-09	1.01E-08	1.30E-08	4.59E-10	1.64E-09	2.10E-09	2.47E-10	7.63E-10	1.01E-09
7567	436443.8	3762815.26	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.10E-09	2.46E-10	7.61E-10	1.01E-09
7568	436443.8	3762824.96	2.93E-09	1.00E-08	1.29E-08	4.56E-10	1.63E-09	2.09E-09	2.46E-10	7.58E-10	1.00E-09
7569	436443.8	3762834.65	2.93E-09	9.98E-09	1.29E-08	4.55E-10	1.63E-09	2.08E-09	2.45E-10	7.56E-10	1.00E-09
7570	436443.8	3762844.35	2.92E-09	9.94E-09	1.29E-08	4.53E-10	1.62E-09	2.08E-09	2.44E-10	7.53E-10	9.97E-10
7571	436443.8	3762854.04	2.9E-09	9.90E-09	1.28E-08	4.51E-10	1.62E-09	2.07E-09	2.43E-10	7.50E-10	9.94E-10
7572	436407.47	3762690.01	2.79E-09	9.50E-09	1.23E-08	4.33E-10	1.55E-09	1.98E-09	2.33E-10	7.20E-10	9.53E-10
7573	436411.14	3762681.1	2.8E-09	9.54E-09	1.23E-08	4.35E-10	1.56E-09	1.99E-09	2.34E-10	7.23E-10	9.57E-10
7574	436414.81	3762672.2	2.81E-09	9.58E-09	1.24E-08	4.36E-10	1.56E-09	2.00E-09	2.35E-10	7.26E-10	9.61E-10
7575	436418.49	3762663.3	2.82E-09	9.61E-09	1.24E-08	4.38E-10	1.57E-09	2.01E-09	2.36E-10	7.28E-10	9.64E-10
7576	436422.16	3762654.39	2.83E-09	9.64E-09	1.25E-08	4.39E-10	1.57E-09	2.01E-09	2.37E-10	7.30E-10	9.67E-10
7577	436425.83	3762645.49	2.83E-09	9.66E-09	1.25E-08	4.40E-10	1.58E-09	2.02E-09	2.37E-10	7.32E-10	9.69E-10
7578	436429.5	3762636.58	2.84E-09	9.68E-09	1.25E-08	4.41E-10	1.58E-09	2.02E-09	2.38E-10	7.33E-10	9.71E-10
7579	436433.17	3762627.68	2.84E-09	9.69E-09	1.25E-08	4.42E-10	1.58E-09	2.02E-09	2.38E-10	7.34E-10	9.72E-10
7580	436436.84	3762618.78	2.84E-09	9.70E-09	1.25E-08	4.42E-10	1.58E-09	2.03E-09	2.38E-10	7.35E-10	9.73E-10
7581	436440.52	3762609.87	2.85E-09	9.71E-09	1.26E-08	4.42E-10	1.59E-09	2.03E-09	2.38E-10	7.35E-10	9.74E-10
7582	436444.19	3762600.97	2.85E-09	9.71E-09	1.26E-08	4.42E-10	1.59E-09	2.03E-09	2.38E-10	7.36E-10	9.74E-10
7583	436447.86	3762592.07	2.85E-09	9.70E-09	1.25E-08	4.42E-10	1.59E-09	2.03E-09	2.38E-10	7.35E-10	9.73E-10
7584	436451.53	3762583.16	2.84E-09	9.69E-09	1.25E-08	4.42E-10	1.58E-09	2.03E-09	2.38E-10	7.34E-10	9.72E-10
7585	436455.2	3762574.26	2.84E-09	9.68E-09	1.25E-08	4.41E-10	1.58E-09	2.02E-09	2.38E-10	7.33E-10	9.71E-10
7586	436458.87	3762565.35	2.83E-09	9.66E-09	1.25E-08	4.40E-10	1.58E-09	2.02E-09	2.37E-10	7.32E-10	9.69E-10
7587	436462.55	3762556.45	2.83E-09	9.63E-09	1.25E-08	4.39E-10	1.57E-09	2.01E-09	2.36E-10	7.30E-10	9.67E-10
7588	436466.22	3762547.55	2.82E-09	9.60E-09	1.24E-08	4.38E-10	1.57E-09	2.01E-09	2.36E-10	7.28E-10	9.64E-10
7589	436469.89	3762538.64	2.81E-09	9.57E-09	1.24E-08	4.36E-10	1.56E-09	2.00E-09	2.35E-10	7.25E-10	9.60E-10
7590	436473.56	3762529.74	2.8E-09	9.54E-09	1.23E-08	4.35E-10	1.56E-09	1.99E-09	2.34E-10	7.23E-10	9.57E-10
7591	436477.23	3762520.84	2.79E-09	9.50E-09	1.23E-08	4.33E-10	1.55E-09	1.99E-09	2.33E-10	7.20E-10	9.53E-10
7592	436480.9	3762511.93	2.77E-09	9.46E-09	1.22E-08	4.31E-10	1.55E-09	1.98E-09	2.32E-10	7.17E-10	9.49E-10
7593	436484.58	3762503.03	2.76E-09	9.42E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.14E-10	9.45E-10
7594	436488.25	3762494.12	2.75E-09	9.37E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.10E-10	9.40E-10
7595	436491.92	3762485.22	2.73E-09	9.32E-09	1.21E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.06E-10	9.35E-10
7596	436495.59	3762476.32	2.72E-09	9.27E-09	1.20E-08	4.22E-10	1.51E-09	1.94E-09	2.28E-10	7.02E-10	9.30E-10
7597	436499.26	3762467.41	2.7E-09	9.21E-09	1.19E-08	4.20E-10	1.51E-09	1.92E-09	2.26E-10	6.98E-10	9.24E-10
7598	436502.93	3762458.51	2.69E-09	9.16E-09	1.18E-08	4.17E-10	1.50E-09	1.91E-09	2.25E-10	6.94E-10	9.19E-10
7599	436506.61	3762449.61	2.67E-09	9.10E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.23E-10	6.90E-10	9.13E-10
7600	436510.28	3762440.7	2.65E-09	9.04E-09	1.17E-08	4.12E-10	1.48E-09	1.89E-09	2.22E-10	6.85E-10	9.07E-10
7601	436513.95	3762431.8	2.64E-09	8.99E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.81E-10	9.02E-10
7602	436517.62	3762422.89	2.62E-09	8.93E-09	1.16E-08	4.07E-10	1.46E-09	1.87E-09	2.19E-10	6.77E-10	8.96E-10
7603	436521.29	3762413.99	2.6E-09	8.88E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.18E-10	6.73E-10	8.91E-10
7604	436524.96	3762405.09	2.59E-09	8.82E-09	1.14E-08	4.02E-10	1.44E-09	1.84E-09	2.17E-10	6.69E-10	8.85E-10
7605	436528.64	3762396.18	2.57E-09	8.77E-09	1.13E-08	4.00E-10	1.43E-09	1.83E-09	2.15E-10	6.65E-10	8.80E-10
7606	436532.31	3762387.28	2.56E-09	8.72E-09	1.13E-08	3.97E-10	1.42E-09	1.82E-09	2.14E-10	6.60E-10	8.74E-10
7607	436535.98	3762378.38	2.54E-09	8.67E-09	1.12E-08	3.95E-10	1.42E-09	1.81E-09	2.13E-10	6.57E-10	8.69E-10
7608	436546.99	3762351.67	2.5E-09	8.51E-09	1.10E-08	3.88E-10	1.39E-09	1.78E-09	2.09E-10	6.45E-10	8.54E-10
7609	436550.67	3762342.76	2.48E-09	8.46E-09	1.09E-08	3.86E-10	1.38E-09	1.77E-09	2.08E-10	6.41E-10	8.49E-10
7610	436554.34	3762333.86	2.47E-09	8.41E-09	1.09E-08	3.83E-10	1.37E-09	1.76E-09	2.06E-10	6.37E-10	8.44E-10
7611	436558.01	3762324.95	2.45E-09	8.36E-09	1.08E-08	3.81E-10	1.37E-09	1.75E-09	2.05E-10	6.34E-10	8.39E-10
7612	436561.68	3762316.05	2.44E-09	8.32E-09	1.08E-08	3.79E-10	1.36E-09	1.74E-09	2.04E-10	6.30E-10	8.34E-10
7613	436565.35	3762307.15	2.42E-09	8.27E-09	1.07E-08	3.77E-10	1.35E-09	1.73E-09	2.03E-10	6.27E-10	8.29E-10
7614	436569.02	3762298.24	2.41E-09	8.22E-09	1.06E-08	3.75E-10	1.34E-09	1.72E-09	2.02E-10	6.23E-10	8.25E-10
7615	436572.7	3762289.34	2.4E-09	8.18E-09	1.06E-08	3.73E-10	1.34E-09	1.71E-09	2.01E-10	6.20E-10	8.21E-10
7616	436576.37	3762280.44	2.39E-09	8.14E-09	1.05E-08	3.71E-10	1.33E-09	1.70E-09	2.00E-10	6.17E-10	8.16E-10
7617	436580.04	3762271.53	2.37E-09	8.09E-09	1.05E-08	3.69E-10	1.32E-09	1.69E-09	1.99E-10	6.13E-10	8.12E-10
7618	436583.71	3762262.63	2.36E-09	8.05E-09	1.04E-08	3.67E-10	1.32E-09	1.68E-09	1.98E-10	6.10E-10	8.08E-10
7619	436587.38	3762253.72	2.35E-09	8.01E-09	1.04E-08	3.65E-10	1.31E-09	1.67E-09	1.97E-10	6.07E-10	8.04E-10
7620	436591.05	3762244.82	2.34E-09	7.97E-09	1.03E-08	3.63E-10	1.30E-09	1.67E-09	1.96E-10	6.04E-10	8.00E-10
7621	436594.72	3762235.92	2.33E-09	7.93E-09	1.03E-08	3.61E-10	1.30E-09	1.66E-09	1.95E-10	6.01E-10	7.96E-10

7622	436598.4	3762227.01	2.31E-09	7.89E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.92E-10
7623	436602.07	3762218.11	2.3E-09	7.85E-09	1.02E-08	3.58E-10	1.28E-09	1.64E-09	1.93E-10	5.95E-10	7.88E-10
7624	436605.74	3762209.21	2.29E-09	7.81E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.92E-10	7.83E-10
7625	436609.41	3762200.3	2.28E-09	7.76E-09	1.00E-08	3.54E-10	1.27E-09	1.62E-09	1.91E-10	5.88E-10	7.79E-10
7626	436613.08	3762191.4	2.26E-09	7.72E-09	9.98E-09	3.52E-10	1.26E-09	1.61E-09	1.89E-10	5.85E-10	7.74E-10
7627	436616.75	3762182.49	2.25E-09	7.67E-09	9.92E-09	3.50E-10	1.25E-09	1.60E-09	1.88E-10	5.81E-10	7.70E-10
7628	436620.43	3762173.59	2.24E-09	7.62E-09	9.86E-09	3.47E-10	1.25E-09	1.59E-09	1.87E-10	5.78E-10	7.65E-10
7629	436624.1	3762164.69	2.22E-09	7.58E-09	9.80E-09	3.45E-10	1.24E-09	1.58E-09	1.86E-10	5.74E-10	7.60E-10
7630	436627.77	3762155.78	2.21E-09	7.53E-09	9.74E-09	3.43E-10	1.23E-09	1.57E-09	1.85E-10	5.71E-10	7.56E-10
7631	436631.44	3762146.88	2.2E-09	7.49E-09	9.68E-09	3.41E-10	1.22E-09	1.56E-09	1.84E-10	5.67E-10	7.51E-10
7632	436635.11	3762137.98	2.18E-09	7.44E-09	9.62E-09	3.39E-10	1.22E-09	1.55E-09	1.83E-10	5.64E-10	7.46E-10
7633	436638.78	3762129.07	2.17E-09	7.40E-09	9.56E-09	3.37E-10	1.21E-09	1.55E-09	1.82E-10	5.60E-10	7.42E-10
7634	436642.46	3762120.17	2.16E-09	7.35E-09	9.51E-09	3.35E-10	1.20E-09	1.54E-09	1.80E-10	5.57E-10	7.37E-10
7635	436816.05	3761966.31	2.08E-09	7.08E-09	9.15E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.36E-10	7.10E-10
7636	436824.93	3761962.59	2.08E-09	7.09E-09	9.16E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.37E-10	7.11E-10
7637	436833.81	3761958.86	2.08E-09	7.09E-09	9.17E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.37E-10	7.11E-10
7638	436842.69	3761955.13	2.08E-09	7.10E-09	9.18E-09	3.24E-10	1.16E-09	1.48E-09	1.74E-10	5.38E-10	7.12E-10
7639	436851.57	3761951.4	2.08E-09	7.10E-09	9.19E-09	3.24E-10	1.16E-09	1.48E-09	1.74E-10	5.38E-10	7.13E-10
7640	436860.45	3761947.68	2.09E-09	7.11E-09	9.20E-09	3.24E-10	1.16E-09	1.49E-09	1.75E-10	5.39E-10	7.13E-10
7641	436869.33	3761943.95	2.09E-09	7.11E-09	9.20E-09	3.24E-10	1.16E-09	1.49E-09	1.75E-10	5.39E-10	7.13E-10
7642	436878.21	3761940.22	2.09E-09	7.11E-09	9.20E-09	3.24E-10	1.16E-09	1.49E-09	1.75E-10	5.39E-10	7.13E-10
7643	436887.09	3761936.49	2.08E-09	7.11E-09	9.19E-09	3.24E-10	1.16E-09	1.48E-09	1.74E-10	5.39E-10	7.13E-10
7644	436895.97	3761932.76	2.08E-09	7.10E-09	9.19E-09	3.24E-10	1.16E-09	1.48E-09	1.74E-10	5.38E-10	7.13E-10
7645	436904.85	3761929.04	2.08E-09	7.10E-09	9.18E-09	3.24E-10	1.16E-09	1.48E-09	1.74E-10	5.38E-10	7.12E-10
7646	436913.74	3761925.31	2.08E-09	7.09E-09	9.17E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.37E-10	7.11E-10
7647	436922.62	3761921.58	2.08E-09	7.08E-09	9.16E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.37E-10	7.11E-10
7648	436931.5	3761917.85	2.07E-09	7.07E-09	9.14E-09	3.22E-10	1.16E-09	1.48E-09	1.74E-10	5.36E-10	7.09E-10
7649	436940.38	3761914.13	2.07E-09	7.06E-09	9.13E-09	3.22E-10	1.15E-09	1.47E-09	1.73E-10	5.35E-10	7.08E-10
7650	436949.26	3761910.4	2.06E-09	7.04E-09	9.11E-09	3.21E-10	1.15E-09	1.47E-09	1.73E-10	5.34E-10	7.06E-10
7651	436958.14	3761906.67	2.06E-09	7.02E-09	9.08E-09	3.20E-10	1.15E-09	1.47E-09	1.72E-10	5.32E-10	7.04E-10
7652	436967.02	3761902.94	2.05E-09	7.00E-09	9.05E-09	3.19E-10	1.14E-09	1.46E-09	1.72E-10	5.30E-10	7.02E-10
7653	436975.9	3761899.22	2.05E-09	6.97E-09	9.02E-09	3.18E-10	1.14E-09	1.46E-09	1.71E-10	5.28E-10	7.00E-10
7654	436984.78	3761895.49	2.04E-09	6.95E-09	8.98E-09	3.17E-10	1.13E-09	1.45E-09	1.71E-10	5.26E-10	6.97E-10
7655	436993.66	3761891.76	2.03E-09	6.92E-09	8.95E-09	3.15E-10	1.13E-09	1.45E-09	1.70E-10	5.24E-10	6.94E-10
7656	437002.54	3761888.03	2.02E-09	6.89E-09	8.91E-09	3.14E-10	1.13E-09	1.44E-09	1.69E-10	5.22E-10	6.91E-10
7657	437011.42	3761884.31	2.01E-09	6.86E-09	8.87E-09	3.13E-10	1.12E-09	1.43E-09	1.68E-10	5.20E-10	6.88E-10
7658	436403.8	3762698.91	2.77E-09	9.45E-09	1.22E-08	4.31E-10	1.54E-09	1.97E-09	2.32E-10	7.16E-10	9.48E-10
7659	436403.8	3762708.61	2.78E-09	9.47E-09	1.22E-08	4.31E-10	1.55E-09	1.98E-09	2.32E-10	7.17E-10	9.50E-10
7660	436403.8	3762718.3	2.78E-09	9.47E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.50E-10
7661	436403.8	3762728	2.78E-09	9.48E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.51E-10
7662	436403.8	3762737.69	2.78E-09	9.48E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.51E-10
7663	436403.8	3762747.39	2.78E-09	9.47E-09	1.22E-08	4.32E-10	1.55E-09	1.98E-09	2.32E-10	7.18E-10	9.50E-10
7664	436403.8	3762757.09	2.78E-09	9.46E-09	1.22E-08	4.31E-10	1.55E-09	1.98E-09	2.32E-10	7.17E-10	9.49E-10
7665	436403.8	3762766.78	2.77E-09	9.45E-09	1.22E-08	4.31E-10	1.54E-09	1.97E-09	2.32E-10	7.16E-10	9.48E-10
7666	436403.8	3762776.48	2.77E-09	9.44E-09	1.22E-08	4.30E-10	1.54E-09	1.97E-09	2.32E-10	7.15E-10	9.47E-10
7667	436403.8	3762786.17	2.76E-09	9.42E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.14E-10	9.45E-10
7668	436403.8	3762795.87	2.76E-09	9.40E-09	1.22E-08	4.28E-10	1.54E-09	1.96E-09	2.31E-10	7.12E-10	9.43E-10
7669	436403.8	3762805.56	2.75E-09	9.37E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.10E-10	9.40E-10
7670	436403.8	3762815.26	2.74E-09	9.34E-09	1.21E-08	4.26E-10	1.53E-09	1.95E-09	2.29E-10	7.08E-10	9.37E-10
7671	436403.8	3762824.96	2.73E-09	9.31E-09	1.20E-08	4.24E-10	1.52E-09	1.95E-09	2.29E-10	7.06E-10	9.34E-10
7672	436403.8	3762834.65	2.72E-09	9.28E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.03E-10	9.31E-10
7673	436403.8	3762844.35	2.71E-09	9.25E-09	1.20E-08	4.21E-10	1.51E-09	1.93E-09	2.27E-10	7.01E-10	9.28E-10
7674	436403.8	3762854.04	2.7E-09	9.22E-09	1.19E-08	4.20E-10	1.51E-09	1.93E-09	2.26E-10	6.98E-10	9.24E-10
7675	436378.52	3762663.22	2.64E-09	8.99E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.81E-10	9.02E-10
7676	436382.2	3762654.3	2.64E-09	9.02E-09	1.17E-08	4.11E-10	1.47E-09	1.88E-09	2.21E-10	6.83E-10	9.05E-10
7677	436385.88	3762645.38	2.65E-09	9.04E-09	1.17E-08	4.12E-10	1.48E-09	1.89E-09	2.22E-10	6.85E-10	9.07E-10
7678	436389.56	3762636.45	2.66E-09	9.06E-09	1.17E-08	4.13E-10	1.48E-09	1.89E-09	2.22E-10	6.87E-10	9.09E-10
7679	436393.24	3762627.53	2.66E-09	9.08E-09	1.17E-08	4.14E-10	1.48E-09	1.90E-09	2.23E-10	6.88E-10	9.11E-10
7680	436396.91	3762618.61	2.66E-09	9.09E-09	1.18E-08	4.14E-10	1.48E-09	1.90E-09	2.23E-10	6.89E-10	9.12E-10
7681	436400.59	3762609.69	2.67E-09	9.10E-09	1.18E-08	4.14E-10	1.49E-09	1.90E-09	2.23E-10	6.89E-10	9.12E-10
7682	436404.27	3762600.76	2.67E-09	9.10E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.23E-10	6.90E-10	9.13E-10

7683	436407.95	3762591.84	2.67E-09	9.10E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.23E-10	6.89E-10	9.13E-10
7684	436411.63	3762582.92	2.67E-09	9.09E-09	1.18E-08	4.14E-10	1.49E-09	1.90E-09	2.23E-10	6.89E-10	9.12E-10
7685	436415.31	3762574	2.66E-09	9.08E-09	1.17E-08	4.14E-10	1.48E-09	1.90E-09	2.23E-10	6.88E-10	9.11E-10
7686	436418.99	3762565.07	2.66E-09	9.07E-09	1.17E-08	4.13E-10	1.48E-09	1.89E-09	2.23E-10	6.87E-10	9.10E-10
7687	436422.67	3762556.15	2.65E-09	9.05E-09	1.17E-08	4.12E-10	1.48E-09	1.89E-09	2.22E-10	6.86E-10	9.08E-10
7688	436426.35	3762547.23	2.65E-09	9.03E-09	1.17E-08	4.11E-10	1.47E-09	1.89E-09	2.22E-10	6.84E-10	9.05E-10
7689	436430.03	3762538.31	2.64E-09	9.00E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.82E-10	9.03E-10
7690	436433.71	3762529.38	2.63E-09	8.97E-09	1.16E-08	4.09E-10	1.47E-09	1.87E-09	2.20E-10	6.80E-10	9.00E-10
7691	436437.39	3762520.46	2.62E-09	8.94E-09	1.16E-08	4.07E-10	1.46E-09	1.87E-09	2.19E-10	6.77E-10	8.97E-10
7692	436441.07	3762511.54	2.61E-09	8.90E-09	1.15E-08	4.06E-10	1.45E-09	1.86E-09	2.19E-10	6.75E-10	8.93E-10
7693	436444.75	3762502.62	2.6E-09	8.87E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.18E-10	6.72E-10	8.89E-10
7694	436448.43	3762493.69	2.59E-09	8.83E-09	1.14E-08	4.02E-10	1.44E-09	1.84E-09	2.17E-10	6.69E-10	8.86E-10
7695	436452.11	3762484.77	2.58E-09	8.79E-09	1.14E-08	4.00E-10	1.44E-09	1.84E-09	2.16E-10	6.66E-10	8.81E-10
7696	436455.78	3762475.85	2.56E-09	8.74E-09	1.13E-08	3.98E-10	1.43E-09	1.83E-09	2.15E-10	6.63E-10	8.77E-10
7697	436459.46	3762466.93	2.55E-09	8.70E-09	1.12E-08	3.96E-10	1.42E-09	1.82E-09	2.13E-10	6.59E-10	8.72E-10
7698	436463.14	3762458	2.54E-09	8.64E-09	1.12E-08	3.94E-10	1.41E-09	1.81E-09	2.12E-10	6.55E-10	8.67E-10
7699	436466.82	3762449.08	2.52E-09	8.59E-09	1.11E-08	3.92E-10	1.40E-09	1.80E-09	2.11E-10	6.51E-10	8.62E-10
7700	436470.5	3762440.16	2.5E-09	8.54E-09	1.10E-08	3.89E-10	1.40E-09	1.78E-09	2.10E-10	6.47E-10	8.57E-10
7701	436474.18	3762431.24	2.49E-09	8.48E-09	1.10E-08	3.87E-10	1.39E-09	1.77E-09	2.08E-10	6.43E-10	8.51E-10
7702	436477.86	3762422.31	2.47E-09	8.43E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.39E-10	8.46E-10
7703	436481.54	3762413.39	2.46E-09	8.38E-09	1.08E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.35E-10	8.41E-10
7704	436485.22	3762404.47	2.44E-09	8.33E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.04E-10	6.31E-10	8.36E-10
7705	436488.9	3762395.55	2.43E-09	8.28E-09	1.07E-08	3.77E-10	1.35E-09	1.73E-09	2.03E-10	6.27E-10	8.31E-10
7706	436492.58	3762386.62	2.41E-09	8.23E-09	1.06E-08	3.75E-10	1.34E-09	1.72E-09	2.02E-10	6.24E-10	8.26E-10
7707	436496.26	3762377.7	2.4E-09	8.18E-09	1.06E-08	3.73E-10	1.34E-09	1.71E-09	2.01E-10	6.20E-10	8.21E-10
7708	436499.94	3762368.78	2.38E-09	8.13E-09	1.05E-08	3.71E-10	1.33E-09	1.70E-09	2.00E-10	6.16E-10	8.16E-10
7709	436514.65	3762333.09	2.33E-09	7.94E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.02E-10	7.97E-10
7710	436518.33	3762324.17	2.32E-09	7.89E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.92E-10
7711	436522.01	3762315.24	2.3E-09	7.85E-09	1.02E-08	3.58E-10	1.28E-09	1.64E-09	1.93E-10	5.95E-10	7.88E-10
7712	436525.69	3762306.32	2.29E-09	7.81E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.92E-10	7.84E-10
7713	436529.37	3762297.4	2.28E-09	7.77E-09	1.01E-08	3.54E-10	1.27E-09	1.62E-09	1.91E-10	5.89E-10	7.80E-10
7714	436533.05	3762288.48	2.27E-09	7.73E-09	1.00E-08	3.52E-10	1.26E-09	1.62E-09	1.90E-10	5.86E-10	7.76E-10
7715	436536.73	3762279.55	2.26E-09	7.69E-09	9.95E-09	3.51E-10	1.26E-09	1.61E-09	1.89E-10	5.83E-10	7.72E-10
7716	436540.41	3762270.63	2.25E-09	7.66E-09	9.90E-09	3.49E-10	1.25E-09	1.60E-09	1.88E-10	5.80E-10	7.68E-10
7717	436544.09	3762261.71	2.23E-09	7.62E-09	9.85E-09	3.47E-10	1.24E-09	1.59E-09	1.87E-10	5.77E-10	7.64E-10
7718	436547.77	3762252.79	2.22E-09	7.59E-09	9.81E-09	3.46E-10	1.24E-09	1.58E-09	1.86E-10	5.75E-10	7.61E-10
7719	436551.45	3762243.86	2.21E-09	7.55E-09	9.76E-09	3.44E-10	1.23E-09	1.58E-09	1.85E-10	5.72E-10	7.57E-10
7720	436555.13	3762234.94	2.2E-09	7.52E-09	9.72E-09	3.42E-10	1.23E-09	1.57E-09	1.84E-10	5.70E-10	7.54E-10
7721	436558.81	3762226.02	2.19E-09	7.48E-09	9.67E-09	3.41E-10	1.22E-09	1.56E-09	1.84E-10	5.67E-10	7.51E-10
7722	436562.49	3762217.1	2.18E-09	7.44E-09	9.63E-09	3.39E-10	1.22E-09	1.56E-09	1.83E-10	5.64E-10	7.47E-10
7723	436566.17	3762208.17	2.17E-09	7.40E-09	9.57E-09	3.37E-10	1.21E-09	1.55E-09	1.82E-10	5.61E-10	7.43E-10
7724	436569.85	3762199.25	2.16E-09	7.36E-09	9.52E-09	3.35E-10	1.20E-09	1.54E-09	1.81E-10	5.58E-10	7.38E-10
7725	436573.52	3762190.33	2.15E-09	7.32E-09	9.46E-09	3.33E-10	1.20E-09	1.53E-09	1.80E-10	5.54E-10	7.34E-10
7726	436577.2	3762181.41	2.13E-09	7.27E-09	9.41E-09	3.31E-10	1.19E-09	1.52E-09	1.79E-10	5.51E-10	7.30E-10
7727	436580.88	3762172.48	2.12E-09	7.23E-09	9.35E-09	3.29E-10	1.18E-09	1.51E-09	1.77E-10	5.48E-10	7.25E-10
7728	436584.56	3762163.56	2.11E-09	7.19E-09	9.30E-09	3.28E-10	1.17E-09	1.50E-09	1.76E-10	5.45E-10	7.21E-10
7729	436588.24	3762154.64	2.1E-09	7.14E-09	9.24E-09	3.26E-10	1.17E-09	1.49E-09	1.75E-10	5.41E-10	7.17E-10
7730	436591.92	3762145.72	2.08E-09	7.10E-09	9.19E-09	3.24E-10	1.16E-09	1.48E-09	1.74E-10	5.38E-10	7.13E-10
7731	436595.6	3762136.79	2.07E-09	7.07E-09	9.14E-09	3.22E-10	1.15E-09	1.48E-09	1.73E-10	5.36E-10	7.09E-10
7732	436599.28	3762127.87	2.06E-09	7.03E-09	9.10E-09	3.20E-10	1.15E-09	1.47E-09	1.73E-10	5.33E-10	7.06E-10
7733	436602.96	3762118.95	2.05E-09	7.00E-09	9.05E-09	3.19E-10	1.14E-09	1.46E-09	1.72E-10	5.30E-10	7.02E-10
7734	436606.64	3762110.03	2.04E-09	6.96E-09	9.01E-09	3.17E-10	1.14E-09	1.45E-09	1.71E-10	5.28E-10	6.99E-10
7735	436639.75	3762029.72	1.93E-09	6.59E-09	8.52E-09	3.00E-10	1.08E-09	1.38E-09	1.62E-10	4.99E-10	6.61E-10
7736	436643.43	3762020.8	1.92E-09	6.54E-09	8.46E-09	2.98E-10	1.07E-09	1.37E-09	1.61E-10	4.96E-10	6.56E-10
7737	436647.11	3762011.88	1.9E-09	6.49E-09	8.39E-09	2.96E-10	1.06E-09	1.36E-09	1.59E-10	4.92E-10	6.51E-10
7738	436650.79	3762002.96	1.89E-09	6.44E-09	8.33E-09	2.93E-10	1.05E-09	1.35E-09	1.58E-10	4.88E-10	6.46E-10
7739	436663.37	3761990.3	1.88E-09	6.42E-09	8.30E-09	2.92E-10	1.05E-09	1.34E-09	1.58E-10	4.86E-10	6.44E-10
7740	436698.97	3761975.36	1.91E-09	6.50E-09	8.41E-09	2.96E-10	1.06E-09	1.36E-09	1.60E-10	4.93E-10	6.52E-10
7741	436796.86	3761934.26	1.95E-09	6.64E-09	8.59E-09	3.03E-10	1.08E-09	1.39E-09	1.63E-10	5.03E-10	6.66E-10
7742	436805.76	3761930.53	1.95E-09	6.65E-09	8.60E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.67E-10
7743	436814.66	3761926.79	1.95E-09	6.66E-09	8.61E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.05E-10	6.68E-10

7744	436823.55	3761923.06	1.95E-09	6.66E-09	8.62E-09	3.04E-10	1.09E-09	1.39E-09	1.64E-10	5.05E-10	6.69E-10
7745	436832.45	3761919.32	1.96E-09	6.67E-09	8.63E-09	3.04E-10	1.09E-09	1.39E-09	1.64E-10	5.05E-10	6.69E-10
7746	436841.35	3761915.59	1.96E-09	6.67E-09	8.63E-09	3.04E-10	1.09E-09	1.39E-09	1.64E-10	5.06E-10	6.69E-10
7747	436850.25	3761911.85	1.96E-09	6.67E-09	8.63E-09	3.04E-10	1.09E-09	1.39E-09	1.64E-10	5.06E-10	6.69E-10
7748	436859.15	3761908.12	1.96E-09	6.67E-09	8.63E-09	3.04E-10	1.09E-09	1.39E-09	1.64E-10	5.05E-10	6.69E-10
7749	436868.05	3761904.38	1.96E-09	6.67E-09	8.62E-09	3.04E-10	1.09E-09	1.39E-09	1.64E-10	5.05E-10	6.69E-10
7750	436876.95	3761900.65	1.95E-09	6.66E-09	8.62E-09	3.04E-10	1.09E-09	1.39E-09	1.64E-10	5.05E-10	6.69E-10
7751	436885.85	3761896.91	1.95E-09	6.66E-09	8.61E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.05E-10	6.68E-10
7752	436894.75	3761893.17	1.95E-09	6.65E-09	8.60E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.67E-10
7753	436903.65	3761889.44	1.95E-09	6.65E-09	8.59E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.67E-10
7754	436912.55	3761885.7	1.95E-09	6.64E-09	8.58E-09	3.02E-10	1.08E-09	1.39E-09	1.63E-10	5.03E-10	6.66E-10
7755	436921.45	3761881.97	1.94E-09	6.63E-09	8.57E-09	3.02E-10	1.08E-09	1.38E-09	1.63E-10	5.02E-10	6.65E-10
7756	436930.34	3761878.23	1.94E-09	6.61E-09	8.55E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.01E-10	6.63E-10
7757	436939.24	3761874.5	1.93E-09	6.59E-09	8.52E-09	3.00E-10	1.08E-09	1.38E-09	1.62E-10	4.99E-10	6.61E-10
7758	436948.14	3761870.76	1.93E-09	6.57E-09	8.49E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.98E-10	6.59E-10
7759	436363.8	3762698.91	2.59E-09	8.84E-09	1.14E-08	4.03E-10	1.44E-09	1.85E-09	2.17E-10	6.70E-10	8.87E-10
7760	436363.8	3762708.61	2.6E-09	8.85E-09	1.14E-08	4.03E-10	1.45E-09	1.85E-09	2.17E-10	6.71E-10	8.88E-10
7761	437373.51	3762893.72	1.94E-07	6.62E-07	8.56E-07	3.02E-08	1.08E-07	1.38E-07	1.63E-08	5.02E-08	6.64E-08
7762	437383.16	3762893.7	2.12E-07	7.23E-07	9.34E-07	3.29E-08	1.18E-07	1.51E-07	1.77E-08	5.48E-08	7.25E-08
7763	437421.77	3762893.62	3.33E-07	1.14E-06	1.47E-06	5.18E-08	1.86E-07	2.37E-07	2.79E-08	8.61E-08	1.14E-07
7764	437431.42	3762893.6	3.75E-07	1.28E-06	1.65E-06	5.82E-08	2.09E-07	2.67E-07	3.14E-08	9.68E-08	1.28E-07
7765	437441.07	3762893.58	4.17E-07	1.42E-06	1.84E-06	6.48E-08	2.32E-07	2.97E-07	3.49E-08	1.08E-07	1.43E-07
7766	437450.72	3762893.56	4.57E-07	1.56E-06	2.02E-06	7.10E-08	2.55E-07	3.26E-07	3.83E-08	1.18E-07	1.56E-07
7767	437460.37	3762893.54	4.96E-07	1.69E-06	2.19E-06	7.70E-08	2.76E-07	3.53E-07	4.15E-08	1.28E-07	1.70E-07
7768	437470.02	3762893.52	5.24E-07	1.79E-06	2.31E-06	8.15E-08	2.92E-07	3.74E-07	4.39E-08	1.35E-07	1.79E-07
7769	437479.67	3762893.5	5.5E-07	1.87E-06	2.42E-06	8.54E-08	3.06E-07	3.92E-07	4.60E-08	1.42E-07	1.88E-07
7770	437489.32	3762893.48	5.71E-07	1.95E-06	2.52E-06	8.88E-08	3.18E-07	4.07E-07	4.78E-08	1.48E-07	1.95E-07
7771	437498.97	3762893.46	5.83E-07	1.99E-06	2.57E-06	9.06E-08	3.25E-07	4.15E-07	4.88E-08	1.51E-07	1.99E-07
7772	437508.62	3762893.44	5.91E-07	2.02E-06	2.61E-06	9.19E-08	3.29E-07	4.21E-07	4.95E-08	1.53E-07	2.02E-07
7773	437518.27	3762893.42	5.97E-07	2.04E-06	2.63E-06	9.27E-08	3.32E-07	4.25E-07	5.00E-08	1.54E-07	2.04E-07
7774	437373.53	3762903.72	1.53E-07	5.23E-07	6.76E-07	2.38E-08	8.54E-08	1.09E-07	1.28E-08	3.96E-08	5.25E-08
7775	437383.18	3762903.7	1.65E-07	5.62E-07	7.27E-07	2.56E-08	9.18E-08	1.17E-07	1.38E-08	4.26E-08	5.64E-08
7776	437421.79	3762903.62	2.4E-07	8.19E-07	1.06E-06	3.73E-08	1.34E-07	1.71E-07	2.01E-08	6.20E-08	8.21E-08
7777	437431.44	3762903.6	2.68E-07	9.14E-07	1.18E-06	4.16E-08	1.49E-07	1.91E-07	2.24E-08	6.92E-08	9.17E-08
7778	437441.09	3762903.58	2.97E-07	1.01E-06	1.31E-06	4.61E-08	1.65E-07	2.11E-07	2.48E-08	7.67E-08	1.01E-07
7779	437450.74	3762903.56	3.26E-07	1.11E-06	1.44E-06	5.06E-08	1.81E-07	2.32E-07	2.73E-08	8.42E-08	1.11E-07
7780	437460.39	3762903.54	3.54E-07	1.21E-06	1.56E-06	5.50E-08	1.97E-07	2.52E-07	2.96E-08	9.15E-08	1.21E-07
7781	437470.04	3762903.52	3.77E-07	1.29E-06	1.66E-06	5.86E-08	2.10E-07	2.69E-07	3.16E-08	9.75E-08	1.29E-07
7782	437479.69	3762903.5	3.98E-07	1.36E-06	1.76E-06	6.19E-08	2.22E-07	2.84E-07	3.33E-08	1.03E-07	1.36E-07
7783	437489.34	3762903.48	4.17E-07	1.42E-06	1.84E-06	6.48E-08	2.32E-07	2.97E-07	3.49E-08	1.08E-07	1.43E-07
7784	437498.99	3762903.46	4.3E-07	1.46E-06	1.89E-06	6.67E-08	2.39E-07	3.06E-07	3.60E-08	1.11E-07	1.47E-07
7785	437508.64	3762903.44	4.4E-07	1.50E-06	1.94E-06	6.83E-08	2.45E-07	3.13E-07	3.68E-08	1.14E-07	1.50E-07
7786	437518.29	3762903.42	4.48E-07	1.53E-06	1.97E-06	6.96E-08	2.49E-07	3.19E-07	3.75E-08	1.16E-07	1.53E-07
7787	437527.94	3762903.4	4.6E-07	1.57E-06	2.03E-06	7.14E-08	2.56E-07	3.27E-07	3.85E-08	1.19E-07	1.57E-07
7788	437537.59	3762903.38	4.71E-07	1.60E-06	2.08E-06	7.31E-08	2.62E-07	3.35E-07	3.94E-08	1.22E-07	1.61E-07
7789	437547.24	3762903.36	4.79E-07	1.63E-06	2.11E-06	7.44E-08	2.67E-07	3.41E-07	4.01E-08	1.24E-07	1.64E-07
7790	437363.9	3762913.74	1.18E-07	4.01E-07	5.19E-07	1.83E-08	6.56E-08	8.39E-08	9.85E-09	3.04E-08	4.03E-08
7791	437373.55	3762913.72	1.26E-07	4.28E-07	5.54E-07	1.95E-08	6.99E-08	8.95E-08	1.05E-08	3.24E-08	4.30E-08
7792	437383.2	3762913.7	1.34E-07	4.55E-07	5.89E-07	2.07E-08	7.44E-08	9.51E-08	1.12E-08	3.45E-08	4.57E-08
7793	437421.81	3762913.62	1.84E-07	6.27E-07	8.11E-07	2.86E-08	1.02E-07	1.31E-07	1.54E-08	4.75E-08	6.29E-08
7794	437431.46	3762913.6	2.03E-07	6.91E-07	8.93E-07	3.15E-08	1.13E-07	1.44E-07	1.70E-08	5.23E-08	6.93E-08
7795	437441.11	3762913.58	2.22E-07	7.57E-07	9.79E-07	3.45E-08	1.24E-07	1.58E-07	1.86E-08	5.73E-08	7.59E-08
7796	437450.76	3762913.56	2.42E-07	8.25E-07	1.07E-06	3.76E-08	1.35E-07	1.72E-07	2.03E-08	6.25E-08	8.28E-08
7797	437460.41	3762913.54	2.62E-07	8.94E-07	1.16E-06	4.07E-08	1.46E-07	1.87E-07	2.19E-08	6.78E-08	8.97E-08
7798	437470.06	3762913.52	2.8E-07	9.56E-07	1.24E-06	4.36E-08	1.56E-07	2.00E-07	2.35E-08	7.24E-08	9.59E-08
7799	437479.71	3762913.5	2.97E-07	1.01E-06	1.31E-06	4.62E-08	1.66E-07	2.12E-07	2.49E-08	7.69E-08	1.02E-07
7800	437489.36	3762913.48	3.13E-07	1.07E-06	1.38E-06	4.87E-08	1.75E-07	2.23E-07	2.62E-08	8.10E-08	1.07E-07
7801	437499.01	3762913.46	3.25E-07	1.11E-06	1.43E-06	5.05E-08	1.81E-07	2.31E-07	2.72E-08	8.40E-08	1.11E-07
7802	437508.66	3762913.44	3.35E-07	1.14E-06	1.48E-06	5.21E-08	1.87E-07	2.39E-07	2.80E-08	8.66E-08	1.15E-07
7803	437518.31	3762913.42	3.44E-07	1.17E-06	1.52E-06	5.34E-08	1.92E-07	2.45E-07	2.88E-08	8.88E-08	1.18E-07
7804	437527.96	3762913.4	3.55E-07	1.21E-06	1.56E-06	5.51E-08	1.98E-07	2.53E-07	2.97E-08	9.17E-08	1.21E-07

7805	437537.61	3762913.38	3.65E-07	1.25E-06	1.61E-06	5.67E-08	2.03E-07	2.60E-07	3.06E-08	9.43E-08	1.25E-07
7806	437547.26	3762913.36	3.74E-07	1.27E-06	1.65E-06	5.80E-08	2.08E-07	2.66E-07	3.13E-08	9.65E-08	1.28E-07
7807	437363.92	3762923.74	9.92E-08	3.38E-07	4.37E-07	1.54E-08	5.53E-08	7.07E-08	8.30E-09	2.56E-08	3.39E-08
7808	437373.57	3762923.72	1.05E-07	3.58E-07	4.63E-07	1.63E-08	5.84E-08	7.47E-08	8.78E-09	2.71E-08	3.59E-08
7809	437383.23	3762923.7	1.11E-07	3.78E-07	4.89E-07	1.72E-08	6.17E-08	7.89E-08	9.27E-09	2.86E-08	3.79E-08
7810	437421.83	3762923.62	1.46E-07	4.98E-07	6.44E-07	2.27E-08	8.14E-08	1.04E-07	1.22E-08	3.78E-08	5.00E-08
7811	437431.48	3762923.6	1.59E-07	5.42E-07	7.02E-07	2.47E-08	8.86E-08	1.13E-07	1.33E-08	4.11E-08	5.44E-08
7812	437441.13	3762923.58	1.72E-07	5.87E-07	7.59E-07	2.68E-08	9.59E-08	1.23E-07	1.44E-08	4.45E-08	5.89E-08
7813	437450.78	3762923.56	1.86E-07	6.34E-07	8.20E-07	2.89E-08	1.04E-07	1.33E-07	1.56E-08	4.81E-08	6.36E-08
7814	437460.43	3762923.54	2E-07	6.83E-07	8.84E-07	3.11E-08	1.12E-07	1.43E-07	1.68E-08	5.18E-08	6.85E-08
7815	437470.08	3762923.52	2.14E-07	7.31E-07	9.45E-07	3.33E-08	1.19E-07	1.53E-07	1.79E-08	5.54E-08	7.33E-08
7816	437479.73	3762923.5	2.28E-07	7.77E-07	1.01E-06	3.54E-08	1.27E-07	1.62E-07	1.91E-08	5.89E-08	7.80E-08
7817	437489.38	3762923.48	2.41E-07	8.22E-07	1.06E-06	3.75E-08	1.34E-07	1.72E-07	2.02E-08	6.23E-08	8.25E-08
7818	437373.6	3762933.72	8.9E-08	3.03E-07	3.92E-07	1.38E-08	4.96E-08	6.34E-08	7.45E-09	2.30E-08	3.04E-08
7819	437383.25	3762933.7	9.35E-08	3.19E-07	4.12E-07	1.45E-08	5.21E-08	6.66E-08	7.82E-09	2.42E-08	3.20E-08
7820	437421.85	3762933.62	1.19E-07	4.05E-07	5.24E-07	1.85E-08	6.62E-08	8.46E-08	9.94E-09	3.07E-08	4.06E-08
7821	437431.5	3762933.6	1.28E-07	4.36E-07	5.64E-07	1.99E-08	7.12E-08	9.10E-08	1.07E-08	3.30E-08	4.37E-08
7822	437441.15	3762933.58	1.37E-07	4.67E-07	6.04E-07	2.13E-08	7.63E-08	9.76E-08	1.15E-08	3.54E-08	4.69E-08
7823	437450.8	3762933.56	1.47E-07	5.01E-07	6.48E-07	2.28E-08	8.18E-08	1.05E-07	1.23E-08	3.80E-08	5.02E-08
7824	437460.45	3762933.54	1.57E-07	5.37E-07	6.94E-07	2.45E-08	8.77E-08	1.12E-07	1.32E-08	4.07E-08	5.38E-08
7825	437470.1	3762933.52	1.68E-07	5.72E-07	7.40E-07	2.61E-08	9.35E-08	1.20E-07	1.40E-08	4.33E-08	5.74E-08
7826	437355.87	3762940.4	7.36E-08	2.51E-07	3.25E-07	1.14E-08	4.10E-08	5.25E-08	6.16E-09	1.90E-08	2.52E-08
7827	437323.48	3762927.05	7.26E-08	2.47E-07	3.20E-07	1.13E-08	4.04E-08	5.17E-08	6.07E-09	1.87E-08	2.48E-08
7828	437303.93	3762912.28	7.5E-08	2.56E-07	3.31E-07	1.17E-08	4.18E-08	5.34E-08	6.28E-09	1.94E-08	2.57E-08
7829	437373.62	3762943.72	7.64E-08	2.61E-07	3.37E-07	1.19E-08	4.26E-08	5.45E-08	6.40E-09	1.98E-08	2.62E-08
7830	437383.27	3762943.7	8E-08	2.73E-07	3.53E-07	1.24E-08	4.46E-08	5.70E-08	6.70E-09	2.07E-08	2.74E-08
7831	437421.87	3762943.62	9.8E-08	3.34E-07	4.32E-07	1.52E-08	5.46E-08	6.98E-08	8.20E-09	2.53E-08	3.35E-08
7832	437431.52	3762943.6	1.04E-07	3.54E-07	4.58E-07	1.61E-08	5.79E-08	7.40E-08	8.70E-09	2.69E-08	3.56E-08
7833	437441.17	3762943.58	1.11E-07	3.78E-07	4.89E-07	1.72E-08	6.17E-08	7.90E-08	9.28E-09	2.86E-08	3.79E-08
7834	437450.82	3762943.56	1.18E-07	4.04E-07	5.22E-07	1.84E-08	6.60E-08	8.44E-08	9.91E-09	3.06E-08	4.05E-08
7835	437460.47	3762943.54	1.27E-07	4.32E-07	5.58E-07	1.97E-08	7.05E-08	9.02E-08	1.06E-08	3.27E-08	4.33E-08
7836	437470.12	3762943.52	1.34E-07	4.57E-07	5.91E-07	2.08E-08	7.47E-08	9.55E-08	1.12E-08	3.46E-08	4.59E-08
7837	437518.37	3762943.42	1.72E-07	5.88E-07	7.60E-07	2.68E-08	9.60E-08	1.23E-07	1.44E-08	4.45E-08	5.90E-08
7838	437356.02	3762950.45	6.43E-08	2.19E-07	2.84E-07	9.99E-09	3.58E-08	4.58E-08	5.38E-09	1.66E-08	2.20E-08
7839	437340.08	3762943.88	6.47E-08	2.21E-07	2.85E-07	1.01E-08	3.60E-08	4.61E-08	5.41E-09	1.67E-08	2.21E-08
7840	437324.14	3762937.31	6.43E-08	2.19E-07	2.83E-07	9.98E-09	3.58E-08	4.58E-08	5.38E-09	1.66E-08	2.20E-08
7841	437308.2	3762930.73	6.29E-08	2.15E-07	2.78E-07	9.78E-09	3.51E-08	4.48E-08	5.27E-09	1.63E-08	2.15E-08
7842	437296.92	3762919.48	6.58E-08	2.24E-07	2.90E-07	1.02E-08	3.67E-08	4.69E-08	5.51E-09	1.70E-08	2.25E-08
7843	437373.64	3762953.72	6.64E-08	2.26E-07	2.93E-07	1.03E-08	3.70E-08	4.73E-08	5.56E-09	1.71E-08	2.27E-08
7844	437383.29	3762953.7	6.93E-08	2.36E-07	3.06E-07	1.08E-08	3.86E-08	4.94E-08	5.80E-09	1.79E-08	2.37E-08
7845	437421.89	3762953.62	8.23E-08	2.81E-07	3.63E-07	1.28E-08	4.59E-08	5.86E-08	6.89E-09	2.13E-08	2.82E-08
7846	437431.54	3762953.6	8.63E-08	2.94E-07	3.81E-07	1.34E-08	4.81E-08	6.15E-08	7.23E-09	2.23E-08	2.95E-08
7847	437441.19	3762953.58	9.16E-08	3.12E-07	4.04E-07	1.42E-08	5.10E-08	6.53E-08	7.67E-09	2.37E-08	3.13E-08
7848	437450.84	3762953.56	9.75E-08	3.33E-07	4.30E-07	1.52E-08	5.43E-08	6.95E-08	8.16E-09	2.52E-08	3.34E-08
7849	437460.49	3762953.54	1.04E-07	3.55E-07	4.59E-07	1.62E-08	5.79E-08	7.41E-08	8.70E-09	2.69E-08	3.56E-08
7850	437470.14	3762953.52	1.09E-07	3.73E-07	4.82E-07	1.70E-08	6.09E-08	7.79E-08	9.15E-09	2.83E-08	3.74E-08
7851	437499.09	3762953.46	1.27E-07	4.35E-07	5.62E-07	1.98E-08	7.10E-08	9.08E-08	1.07E-08	3.29E-08	4.36E-08
7852	437508.74	3762953.44	1.34E-07	4.57E-07	5.92E-07	2.08E-08	7.47E-08	9.56E-08	1.12E-08	3.47E-08	4.59E-08
7853	437518.39	3762953.42	1.41E-07	4.80E-07	6.21E-07	2.19E-08	7.84E-08	1.00E-07	1.18E-08	3.64E-08	4.82E-08
7854	437528.05	3762953.4	1.48E-07	5.03E-07	6.51E-07	2.29E-08	8.22E-08	1.05E-07	1.24E-08	3.81E-08	5.05E-08
7855	437537.7	3762953.38	1.54E-07	5.26E-07	6.80E-07	2.40E-08	8.59E-08	1.10E-07	1.29E-08	3.98E-08	5.27E-08
7856	437547.35	3762953.36	1.61E-07	5.47E-07	7.08E-07	2.49E-08	8.94E-08	1.14E-07	1.34E-08	4.15E-08	5.49E-08
7857	437355.15	3762960.09	5.66E-08	1.93E-07	2.50E-07	8.80E-09	3.15E-08	4.03E-08	4.74E-09	1.46E-08	1.94E-08
7858	437346.3	3762956.44	5.7E-08	1.94E-07	2.51E-07	8.85E-09	3.17E-08	4.06E-08	4.77E-09	1.47E-08	1.95E-08
7859	437337.44	3762952.78	5.72E-08	1.95E-07	2.52E-07	8.88E-09	3.19E-08	4.07E-08	4.79E-09	1.48E-08	1.96E-08
7860	437328.58	3762949.13	5.72E-08	1.95E-07	2.52E-07	8.89E-09	3.19E-08	4.07E-08	4.79E-09	1.48E-08	1.96E-08
7861	437319.73	3762945.48	5.7E-08	1.94E-07	2.51E-07	8.85E-09	3.17E-08	4.06E-08	4.77E-09	1.47E-08	1.95E-08
7862	437310.87	3762941.83	5.66E-08	1.93E-07	2.49E-07	8.79E-09	3.15E-08	4.03E-08	4.73E-09	1.46E-08	1.93E-08
7863	437302.02	3762938.18	5.59E-08	1.91E-07	2.46E-07	8.68E-09	3.11E-08	3.98E-08	4.68E-09	1.44E-08	1.91E-08
7864	437289.49	3762925.68	5.87E-08	2.00E-07	2.59E-07	9.12E-09	3.27E-08	4.18E-08	4.91E-09	1.52E-08	2.01E-08
7865	437285.82	3762916.83	6.22E-08	2.12E-07	2.74E-07	9.67E-09	3.47E-08	4.43E-08	5.21E-09	1.61E-08	2.13E-08

7866	437364.01	3762963.74	5.62E-08	1.91E-07	2.48E-07	8.73E-09	3.13E-08	4.00E-08	4.70E-09	1.45E-08	1.92E-08
7867	437373.66	3762963.72	5.83E-08	1.99E-07	2.57E-07	9.05E-09	3.25E-08	4.15E-08	4.88E-09	1.51E-08	1.99E-08
7868	437383.31	3762963.7	6.06E-08	2.07E-07	2.67E-07	9.41E-09	3.37E-08	4.32E-08	5.07E-09	1.57E-08	2.07E-08
7869	437392.96	3762963.68	6.3E-08	2.15E-07	2.78E-07	9.79E-09	3.51E-08	4.49E-08	5.28E-09	1.63E-08	2.16E-08
7870	437421.91	3762963.62	7.03E-08	2.40E-07	3.10E-07	1.09E-08	3.91E-08	5.01E-08	5.88E-09	1.82E-08	2.40E-08
7871	437431.56	3762963.6	7.31E-08	2.49E-07	3.22E-07	1.14E-08	4.07E-08	5.21E-08	6.12E-09	1.89E-08	2.50E-08
7872	437441.21	3762963.58	7.72E-08	2.63E-07	3.40E-07	1.20E-08	4.30E-08	5.50E-08	6.46E-09	1.99E-08	2.64E-08
7873	437450.86	3762963.56	8.17E-08	2.78E-07	3.60E-07	1.27E-08	4.55E-08	5.82E-08	6.83E-09	2.11E-08	2.79E-08
7874	437460.51	3762963.54	8.66E-08	2.95E-07	3.82E-07	1.35E-08	4.83E-08	6.17E-08	7.25E-09	2.24E-08	2.96E-08
7875	437470.16	3762963.52	9.07E-08	3.09E-07	4.00E-07	1.41E-08	5.05E-08	6.46E-08	7.59E-09	2.34E-08	3.10E-08
7876	437499.11	3762963.46	1.05E-07	3.58E-07	4.63E-07	1.63E-08	5.85E-08	7.48E-08	8.79E-09	2.71E-08	3.59E-08
7877	437508.77	3762963.44	1.11E-07	3.78E-07	4.88E-07	1.72E-08	6.17E-08	7.89E-08	9.27E-09	2.86E-08	3.79E-08
7878	437518.42	3762963.42	1.17E-07	3.97E-07	5.14E-07	1.81E-08	6.49E-08	8.30E-08	9.75E-09	3.01E-08	3.99E-08
7879	437528.07	3762963.4	1.22E-07	4.17E-07	5.39E-07	1.90E-08	6.81E-08	8.71E-08	1.02E-08	3.16E-08	4.18E-08
7880	437537.72	3762963.38	1.28E-07	4.36E-07	5.64E-07	1.99E-08	7.12E-08	9.11E-08	1.07E-08	3.30E-08	4.37E-08
7881	437547.37	3762963.36	1.33E-07	4.55E-07	5.88E-07	2.07E-08	7.43E-08	9.50E-08	1.12E-08	3.44E-08	4.56E-08
7882	437355.55	3762980.23	4.47E-08	1.52E-07	1.97E-07	6.94E-09	2.49E-08	3.18E-08	3.74E-09	1.15E-08	1.53E-08
7883	437347.05	3762976.73	4.51E-08	1.54E-07	1.99E-07	7.00E-09	2.51E-08	3.21E-08	3.77E-09	1.16E-08	1.54E-08
7884	437338.54	3762973.22	4.54E-08	1.55E-07	2.00E-07	7.05E-09	2.53E-08	3.23E-08	3.80E-09	1.17E-08	1.55E-08
7885	437330.04	3762969.72	4.56E-08	1.55E-07	2.01E-07	7.08E-09	2.54E-08	3.25E-08	3.82E-09	1.18E-08	1.56E-08
7886	437321.54	3762966.21	4.57E-08	1.56E-07	2.02E-07	7.10E-09	2.55E-08	3.26E-08	3.83E-09	1.18E-08	1.56E-08
7887	437313.04	3762962.7	4.57E-08	1.56E-07	2.02E-07	7.10E-09	2.55E-08	3.26E-08	3.83E-09	1.18E-08	1.56E-08
7888	437304.54	3762959.2	4.56E-08	1.55E-07	2.01E-07	7.08E-09	2.54E-08	3.25E-08	3.81E-09	1.18E-08	1.56E-08
7889	437296.04	3762955.69	4.53E-08	1.54E-07	2.00E-07	7.04E-09	2.52E-08	3.23E-08	3.79E-09	1.17E-08	1.55E-08
7890	437287.54	3762952.19	4.49E-08	1.53E-07	1.98E-07	6.97E-09	2.50E-08	3.20E-08	3.75E-09	1.16E-08	1.53E-08
7891	437275.51	3762940.19	4.69E-08	1.60E-07	2.07E-07	7.29E-09	2.61E-08	3.34E-08	3.93E-09	1.21E-08	1.60E-08
7892	437271.99	3762931.69	4.95E-08	1.69E-07	2.18E-07	7.70E-09	2.76E-08	3.53E-08	4.15E-09	1.28E-08	1.69E-08
7893	437364.05	3762983.74	4.42E-08	1.51E-07	1.95E-07	6.87E-09	2.46E-08	3.15E-08	3.70E-09	1.14E-08	1.51E-08
7894	437373.7	3762983.72	4.57E-08	1.56E-07	2.02E-07	7.11E-09	2.55E-08	3.26E-08	3.83E-09	1.18E-08	1.56E-08
7895	437383.35	3762983.7	4.73E-08	1.61E-07	2.09E-07	7.35E-09	2.63E-08	3.37E-08	3.96E-09	1.22E-08	1.62E-08
7896	437393	3762983.68	4.88E-08	1.66E-07	2.15E-07	7.59E-09	2.72E-08	3.48E-08	4.09E-09	1.26E-08	1.67E-08
7897	437421.95	3762983.62	5.31E-08	1.81E-07	2.34E-07	8.26E-09	2.96E-08	3.79E-08	4.45E-09	1.37E-08	1.82E-08
7898	437431.6	3762983.6	5.48E-08	1.87E-07	2.42E-07	8.52E-09	3.06E-08	3.91E-08	4.59E-09	1.42E-08	1.88E-08
7899	437441.25	3762983.58	5.71E-08	1.95E-07	2.52E-07	8.87E-09	3.18E-08	4.07E-08	4.78E-09	1.47E-08	1.95E-08
7900	437450.9	3762983.56	5.95E-08	2.03E-07	2.63E-07	9.25E-09	3.32E-08	4.24E-08	4.98E-09	1.54E-08	2.04E-08
7901	437460.55	3762983.54	6.22E-08	2.12E-07	2.74E-07	9.67E-09	3.47E-08	4.43E-08	5.21E-09	1.61E-08	2.13E-08
7902	437470.2	3762983.52	6.5E-08	2.22E-07	2.87E-07	1.01E-08	3.62E-08	4.63E-08	5.44E-09	1.68E-08	2.22E-08
7903	437499.16	3762983.46	7.48E-08	2.55E-07	3.30E-07	1.16E-08	4.17E-08	5.33E-08	6.26E-09	1.93E-08	2.56E-08
7904	437508.81	3762983.44	7.86E-08	2.68E-07	3.47E-07	1.22E-08	4.38E-08	5.60E-08	6.58E-09	2.03E-08	2.69E-08
7905	437518.46	3762983.42	8.26E-08	2.82E-07	3.64E-07	1.28E-08	4.60E-08	5.88E-08	6.91E-09	2.13E-08	2.83E-08
7906	437528.11	3762983.4	8.63E-08	2.94E-07	3.81E-07	1.34E-08	4.81E-08	6.15E-08	7.22E-09	2.23E-08	2.95E-08
7907	437537.76	3762983.38	9E-08	3.07E-07	3.97E-07	1.40E-08	5.01E-08	6.41E-08	7.53E-09	2.33E-08	3.08E-08
7908	437547.41	3762983.36	9.37E-08	3.20E-07	4.13E-07	1.46E-08	5.22E-08	6.68E-08	7.84E-09	2.42E-08	3.21E-08
7909	437355.82	3763000.33	3.6E-08	1.23E-07	1.59E-07	5.60E-09	2.01E-08	2.57E-08	3.01E-09	9.30E-09	1.23E-08
7910	437339.29	3762993.51	3.67E-08	1.25E-07	1.62E-07	5.70E-09	2.04E-08	2.61E-08	3.07E-09	9.48E-09	1.25E-08
7911	437322.76	3762986.7	3.72E-08	1.27E-07	1.64E-07	5.77E-09	2.07E-08	2.65E-08	3.11E-09	9.60E-09	1.27E-08
7912	437306.23	3762979.88	3.74E-08	1.27E-07	1.65E-07	5.81E-09	2.08E-08	2.66E-08	3.13E-09	9.66E-09	1.28E-08
7913	437289.7	3762973.06	3.73E-08	1.27E-07	1.64E-07	5.79E-09	2.08E-08	2.66E-08	3.12E-09	9.64E-09	1.28E-08
7914	437273.17	3762966.25	3.68E-08	1.26E-07	1.62E-07	5.72E-09	2.05E-08	2.62E-08	3.08E-09	9.52E-09	1.26E-08
7915	437261.48	3762954.58	3.84E-08	1.31E-07	1.69E-07	5.97E-09	2.14E-08	2.74E-08	3.21E-09	9.92E-09	1.31E-08
7916	437373.74	3763003.72	3.66E-08	1.25E-07	1.62E-07	5.69E-09	2.04E-08	2.61E-08	3.07E-09	9.47E-09	1.25E-08
7917	437383.39	3763003.7	3.77E-08	1.29E-07	1.66E-07	5.86E-09	2.10E-08	2.69E-08	3.16E-09	9.74E-09	1.29E-08
7918	437393.04	3763003.68	3.88E-08	1.32E-07	1.71E-07	6.03E-09	2.16E-08	2.76E-08	3.25E-09	1.00E-08	1.33E-08
7919	437421.99	3763003.62	4.19E-08	1.43E-07	1.85E-07	6.50E-09	2.33E-08	2.98E-08	3.50E-09	1.08E-08	1.43E-08
7920	437431.64	3763003.6	4.31E-08	1.47E-07	1.90E-07	6.69E-09	2.40E-08	3.07E-08	3.60E-09	1.11E-08	1.47E-08
7921	437441.29	3763003.58	4.45E-08	1.52E-07	1.96E-07	6.91E-09	2.48E-08	3.17E-08	3.72E-09	1.15E-08	1.52E-08
7922	437450.94	3763003.56	4.61E-08	1.57E-07	2.03E-07	7.16E-09	2.57E-08	3.28E-08	3.86E-09	1.19E-08	1.58E-08
7923	437460.6	3763003.54	4.78E-08	1.63E-07	2.11E-07	7.42E-09	2.66E-08	3.40E-08	4.00E-09	1.23E-08	1.63E-08
7924	437470.25	3763003.52	4.95E-08	1.69E-07	2.18E-07	7.69E-09	2.76E-08	3.53E-08	4.14E-09	1.28E-08	1.69E-08
7925	437499.2	3763003.46	5.58E-08	1.90E-07	2.46E-07	8.66E-09	3.11E-08	3.97E-08	4.67E-09	1.44E-08	1.91E-08
7926	437508.85	3763003.44	5.83E-08	1.99E-07	2.57E-07	9.06E-09	3.25E-08	4.15E-08	4.88E-09	1.51E-08	1.99E-08

7927	437518.5	3763003.42	6.1E-08	2.08E-07	2.69E-07	9.48E-09	3.40E-08	4.35E-08	5.11E-09	1.58E-08	2.09E-08
7928	437528.15	3763003.4	6.37E-08	2.17E-07	2.81E-07	9.89E-09	3.55E-08	4.54E-08	5.33E-09	1.65E-08	2.18E-08
7929	437537.8	3763003.38	6.64E-08	2.26E-07	2.93E-07	1.03E-08	3.70E-08	4.73E-08	5.56E-09	1.72E-08	2.27E-08
7930	437547.45	3763003.36	6.92E-08	2.36E-07	3.05E-07	1.08E-08	3.85E-08	4.93E-08	5.79E-09	1.79E-08	2.37E-08
7931	437355.41	3763020.14	2.96E-08	1.01E-07	1.30E-07	4.59E-09	1.65E-08	2.11E-08	2.47E-09	7.64E-09	1.01E-08
7932	437346.69	3763016.55	2.99E-08	1.02E-07	1.32E-07	4.64E-09	1.66E-08	2.13E-08	2.50E-09	7.72E-09	1.02E-08
7933	437337.97	3763012.95	3.02E-08	1.03E-07	1.33E-07	4.69E-09	1.68E-08	2.15E-08	2.53E-09	7.80E-09	1.03E-08
7934	437329.25	3763009.36	3.04E-08	1.04E-07	1.34E-07	4.73E-09	1.70E-08	2.17E-08	2.55E-09	7.87E-09	1.04E-08
7935	437320.53	3763005.76	3.07E-08	1.05E-07	1.35E-07	4.77E-09	1.71E-08	2.19E-08	2.57E-09	7.93E-09	1.05E-08
7936	437311.82	3763002.16	3.09E-08	1.05E-07	1.36E-07	4.80E-09	1.72E-08	2.20E-08	2.59E-09	7.98E-09	1.06E-08
7937	437303.1	3762998.57	3.1E-08	1.06E-07	1.37E-07	4.82E-09	1.73E-08	2.21E-08	2.60E-09	8.02E-09	1.06E-08
7938	437294.38	3762994.97	3.11E-08	1.06E-07	1.37E-07	4.84E-09	1.73E-08	2.22E-08	2.60E-09	8.04E-09	1.06E-08
7939	437285.66	3762991.38	3.11E-08	1.06E-07	1.37E-07	4.84E-09	1.73E-08	2.22E-08	2.61E-09	8.05E-09	1.07E-08
7940	437276.94	3762987.78	3.11E-08	1.06E-07	1.37E-07	4.83E-09	1.73E-08	2.22E-08	2.60E-09	8.04E-09	1.06E-08
7941	437268.22	3762984.19	3.1E-08	1.06E-07	1.37E-07	4.81E-09	1.73E-08	2.21E-08	2.59E-09	8.00E-09	1.06E-08
7942	437259.5	3762980.59	3.08E-08	1.05E-07	1.36E-07	4.78E-09	1.71E-08	2.19E-08	2.58E-09	7.95E-09	1.05E-08
7943	437218.26	3762898.59	4.37E-08	1.49E-07	1.93E-07	6.78E-09	2.43E-08	3.11E-08	3.65E-09	1.13E-08	1.49E-08
7944	437364.13	3763023.74	2.92E-08	9.96E-08	1.29E-07	4.54E-09	1.63E-08	2.08E-08	2.44E-09	7.55E-09	9.99E-09
7945	437373.78	3763023.72	2.99E-08	1.02E-07	1.32E-07	4.65E-09	1.67E-08	2.13E-08	2.51E-09	7.73E-09	1.02E-08
7946	437383.43	3763023.7	3.07E-08	1.05E-07	1.35E-07	4.77E-09	1.71E-08	2.19E-08	2.57E-09	7.93E-09	1.05E-08
7947	437393.08	3763023.68	3.15E-08	1.07E-07	1.39E-07	4.89E-09	1.75E-08	2.24E-08	2.63E-09	8.13E-09	1.08E-08
7948	437422.03	3763023.62	3.39E-08	1.16E-07	1.50E-07	5.27E-09	1.89E-08	2.42E-08	2.84E-09	8.77E-09	1.16E-08
7949	437431.69	3763023.6	3.49E-08	1.19E-07	1.54E-07	5.42E-09	1.94E-08	2.49E-08	2.92E-09	9.01E-09	1.19E-08
7950	437441.34	3763023.58	3.59E-08	1.22E-07	1.58E-07	5.57E-09	2.00E-08	2.56E-08	3.00E-09	9.27E-09	1.23E-08
7951	437450.99	3763023.56	3.69E-08	1.26E-07	1.63E-07	5.74E-09	2.06E-08	2.63E-08	3.09E-09	9.55E-09	1.26E-08
7952	437355.67	3763040.23	2.46E-08	8.39E-08	1.08E-07	3.82E-09	1.37E-08	1.75E-08	2.06E-09	6.36E-09	8.41E-09
7953	437347.17	3763036.73	2.49E-08	8.48E-08	1.10E-07	3.86E-09	1.39E-08	1.77E-08	2.08E-09	6.43E-09	8.51E-09
7954	437338.67	3763033.22	2.51E-08	8.57E-08	1.11E-07	3.91E-09	1.40E-08	1.79E-08	2.10E-09	6.50E-09	8.60E-09
7955	437330.17	3763029.72	2.54E-08	8.66E-08	1.12E-07	3.94E-09	1.41E-08	1.81E-08	2.12E-09	6.56E-09	8.68E-09
7956	437321.67	3763026.21	2.56E-08	8.73E-08	1.13E-07	3.98E-09	1.43E-08	1.82E-08	2.14E-09	6.62E-09	8.76E-09
7957	437313.16	3763022.7	2.58E-08	8.80E-08	1.14E-07	4.01E-09	1.44E-08	1.84E-08	2.16E-09	6.67E-09	8.83E-09
7958	437304.66	3763019.2	2.59E-08	8.83E-08	1.14E-07	4.02E-09	1.44E-08	1.85E-08	2.17E-09	6.69E-09	8.86E-09
7959	437296.16	3763015.69	2.61E-08	8.90E-08	1.15E-07	4.05E-09	1.45E-08	1.86E-08	2.18E-09	6.74E-09	8.93E-09
7960	437287.66	3763012.19	2.62E-08	8.95E-08	1.16E-07	4.08E-09	1.46E-08	1.87E-08	2.20E-09	6.78E-09	8.98E-09
7961	437279.16	3763008.68	2.63E-08	8.97E-08	1.16E-07	4.09E-09	1.47E-08	1.87E-08	2.20E-09	6.80E-09	9.00E-09
7962	437270.66	3763005.17	2.63E-08	8.98E-08	1.16E-07	4.09E-09	1.47E-08	1.88E-08	2.20E-09	6.80E-09	9.01E-09
7963	437262.16	3763001.67	2.63E-08	8.97E-08	1.16E-07	4.09E-09	1.46E-08	1.87E-08	2.20E-09	6.79E-09	9.00E-09
7964	437219.04	3762948.68	3.22E-08	1.10E-07	1.42E-07	5.00E-09	1.79E-08	2.29E-08	2.69E-09	8.31E-09	1.10E-08
7965	437215.51	3762940.19	3.33E-08	1.14E-07	1.47E-07	5.18E-09	1.86E-08	2.37E-08	2.79E-09	8.61E-09	1.14E-08
7966	437211.99	3762931.69	3.44E-08	1.17E-07	1.52E-07	5.35E-09	1.92E-08	2.45E-08	2.88E-09	8.90E-09	1.18E-08
7967	437208.46	3762923.2	3.55E-08	1.21E-07	1.56E-07	5.51E-09	1.98E-08	2.53E-08	2.97E-09	9.17E-09	1.21E-08
7968	437204.94	3762914.7	3.64E-08	1.24E-07	1.61E-07	5.66E-09	2.03E-08	2.60E-08	3.05E-09	9.42E-09	1.25E-08
7969	437201.42	3762906.21	3.73E-08	1.27E-07	1.64E-07	5.79E-09	2.08E-08	2.66E-08	3.12E-09	9.63E-09	1.28E-08
7970	437197.89	3762897.72	3.8E-08	1.30E-07	1.68E-07	5.91E-09	2.12E-08	2.71E-08	3.18E-09	9.82E-09	1.30E-08
7971	437364.17	3763043.74	2.43E-08	8.29E-08	1.07E-07	3.78E-09	1.35E-08	1.73E-08	2.04E-09	6.28E-09	8.32E-09
7972	437373.82	3763043.72	2.49E-08	8.48E-08	1.10E-07	3.86E-09	1.38E-08	1.77E-08	2.08E-09	6.42E-09	8.50E-09
7973	437383.47	3763043.7	2.54E-08	8.67E-08	1.12E-07	3.95E-09	1.42E-08	1.81E-08	2.13E-09	6.57E-09	8.69E-09
7974	437393.12	3763043.68	2.6E-08	8.86E-08	1.15E-07	4.04E-09	1.45E-08	1.85E-08	2.18E-09	6.72E-09	8.89E-09
7975	437460.68	3763043.54	3.08E-08	1.05E-07	1.36E-07	4.78E-09	1.71E-08	2.19E-08	2.58E-09	7.95E-09	1.05E-08
7976	437470.33	3763043.52	3.15E-08	1.07E-07	1.39E-07	4.89E-09	1.75E-08	2.24E-08	2.64E-09	8.14E-09	1.08E-08
7977	437479.98	3763043.5	3.23E-08	1.10E-07	1.42E-07	5.01E-09	1.80E-08	2.30E-08	2.70E-09	8.34E-09	1.10E-08
7978	437489.63	3763043.48	3.31E-08	1.13E-07	1.46E-07	5.15E-09	1.85E-08	2.36E-08	2.77E-09	8.56E-09	1.13E-08
7979	437499.28	3763043.46	3.44E-08	1.17E-07	1.52E-07	5.35E-09	1.92E-08	2.45E-08	2.88E-09	8.89E-09	1.18E-08
7980	437508.93	3763043.44	3.58E-08	1.22E-07	1.58E-07	5.57E-09	2.00E-08	2.55E-08	3.00E-09	9.26E-09	1.23E-08
7981	437518.58	3763043.42	3.73E-08	1.27E-07	1.65E-07	5.80E-09	2.08E-08	2.66E-08	3.13E-09	9.65E-09	1.28E-08
7982	437528.23	3763043.4	3.86E-08	1.32E-07	1.70E-07	6.00E-09	2.15E-08	2.75E-08	3.23E-09	9.98E-09	1.32E-08
7983	437537.88	3763043.38	4E-08	1.36E-07	1.76E-07	6.21E-09	2.23E-08	2.85E-08	3.34E-09	1.03E-08	1.37E-08
7984	437547.53	3763043.36	4.13E-08	1.41E-07	1.82E-07	6.42E-09	2.30E-08	2.95E-08	3.46E-09	1.07E-08	1.41E-08
7985	437355.36	3763060.09	2.08E-08	7.08E-08	9.16E-08	3.23E-09	1.16E-08	1.48E-08	1.74E-09	5.36E-09	7.10E-09
7986	437346.5	3763056.44	2.1E-08	7.16E-08	9.26E-08	3.26E-09	1.17E-08	1.50E-08	1.76E-09	5.43E-09	7.19E-09
7987	437337.65	3763052.78	2.12E-08	7.25E-08	9.37E-08	3.30E-09	1.18E-08	1.51E-08	1.78E-09	5.49E-09	7.27E-09

7988	437328.79	3763049.13	2.15E-08	7.33E-08	9.47E-08	3.34E-09	1.20E-08	1.53E-08	1.80E-09	5.55E-09	7.35E-09
7989	437319.94	3763045.48	2.17E-08	7.40E-08	9.57E-08	3.37E-09	1.21E-08	1.55E-08	1.82E-09	5.61E-09	7.43E-09
7990	437311.08	3763041.83	2.19E-08	7.47E-08	9.66E-08	3.40E-09	1.22E-08	1.56E-08	1.83E-09	5.66E-09	7.49E-09
7991	437302.23	3763038.18	2.21E-08	7.53E-08	9.74E-08	3.43E-09	1.23E-08	1.57E-08	1.85E-09	5.70E-09	7.55E-09
7992	437293.37	3763034.52	2.22E-08	7.58E-08	9.80E-08	3.45E-09	1.24E-08	1.58E-08	1.86E-09	5.74E-09	7.60E-09
7993	437284.51	3763030.87	2.24E-08	7.62E-08	9.86E-08	3.47E-09	1.25E-08	1.59E-08	1.87E-09	5.78E-09	7.65E-09
7994	437275.66	3763027.22	2.25E-08	7.66E-08	9.90E-08	3.49E-09	1.25E-08	1.60E-08	1.88E-09	5.80E-09	7.68E-09
7995	437266.8	3763023.57	2.25E-08	7.68E-08	9.93E-08	3.50E-09	1.25E-08	1.60E-08	1.88E-09	5.82E-09	7.70E-09
7996	437257.95	3763019.92	2.25E-08	7.69E-08	9.94E-08	3.50E-09	1.26E-08	1.61E-08	1.89E-09	5.83E-09	7.71E-09
7997	437218.85	3762996.46	2.33E-08	7.96E-08	1.03E-07	3.63E-09	1.30E-08	1.66E-08	1.95E-09	6.03E-09	7.98E-09
7998	437215.18	3762987.61	2.44E-08	8.32E-08	1.08E-07	3.79E-09	1.36E-08	1.74E-08	2.04E-09	6.30E-09	8.35E-09
7999	437211.51	3762978.76	2.55E-08	8.68E-08	1.12E-07	3.96E-09	1.42E-08	1.81E-08	2.13E-09	6.58E-09	8.71E-09
8000	437207.84	3762969.92	2.65E-08	9.04E-08	1.17E-07	4.12E-09	1.48E-08	1.89E-08	2.22E-09	6.85E-09	9.07E-09
8001	437204.17	3762961.07	2.75E-08	9.39E-08	1.21E-07	4.28E-09	1.53E-08	1.96E-08	2.31E-09	7.12E-09	9.42E-09
8002	437200.5	3762952.22	2.86E-08	9.74E-08	1.26E-07	4.44E-09	1.59E-08	2.03E-08	2.39E-09	7.38E-09	9.77E-09
8003	437196.83	3762943.37	2.95E-08	1.01E-07	1.30E-07	4.58E-09	1.64E-08	2.10E-08	2.47E-09	7.62E-09	1.01E-08
8004	437193.16	3762934.52	3.04E-08	1.04E-07	1.34E-07	4.72E-09	1.69E-08	2.17E-08	2.54E-09	7.86E-09	1.04E-08
8005	437189.49	3762925.68	3.12E-08	1.07E-07	1.38E-07	4.85E-09	1.74E-08	2.23E-08	2.61E-09	8.07E-09	1.07E-08
8006	437185.82	3762916.83	3.2E-08	1.09E-07	1.41E-07	4.97E-09	1.78E-08	2.28E-08	2.68E-09	8.27E-09	1.09E-08
8007	437182.15	3762907.98	3.27E-08	1.11E-07	1.44E-07	5.08E-09	1.82E-08	2.33E-08	2.73E-09	8.44E-09	1.12E-08
8008	437364.21	3763063.74	2.05E-08	6.99E-08	9.04E-08	3.19E-09	1.14E-08	1.46E-08	1.72E-09	5.30E-09	7.02E-09
8009	437373.87	3763063.72	2.09E-08	7.13E-08	9.23E-08	3.25E-09	1.17E-08	1.49E-08	1.75E-09	5.41E-09	7.16E-09
8010	437383.52	3763063.7	2.13E-08	7.28E-08	9.41E-08	3.32E-09	1.19E-08	1.52E-08	1.79E-09	5.52E-09	7.30E-09
8011	437393.17	3763063.68	2.18E-08	7.43E-08	9.61E-08	3.39E-09	1.21E-08	1.55E-08	1.82E-09	5.63E-09	7.46E-09
8012	437402.82	3763063.66	2.23E-08	7.59E-08	9.82E-08	3.46E-09	1.24E-08	1.59E-08	1.86E-09	5.75E-09	7.61E-09
8013	437441.42	3763063.58	2.43E-08	8.29E-08	1.07E-07	3.78E-09	1.35E-08	1.73E-08	2.03E-09	6.28E-09	8.32E-09
8014	437451.07	3763063.56	2.49E-08	8.49E-08	1.10E-07	3.87E-09	1.39E-08	1.77E-08	2.08E-09	6.43E-09	8.52E-09
8015	437460.72	3763063.54	2.54E-08	8.66E-08	1.12E-07	3.94E-09	1.41E-08	1.81E-08	2.12E-09	6.56E-09	8.68E-09
8016	437470.37	3763063.52	2.59E-08	8.83E-08	1.14E-07	4.02E-09	1.44E-08	1.85E-08	2.17E-09	6.69E-09	8.86E-09
8017	437480.02	3763063.5	2.65E-08	9.02E-08	1.17E-07	4.11E-09	1.47E-08	1.89E-08	2.22E-09	6.84E-09	9.05E-09
8018	437489.67	3763063.48	2.71E-08	9.23E-08	1.19E-07	4.21E-09	1.51E-08	1.93E-08	2.27E-09	7.00E-09	9.26E-09
8019	437499.32	3763063.46	2.8E-08	9.54E-08	1.23E-07	4.35E-09	1.56E-08	1.99E-08	2.34E-09	7.23E-09	9.57E-09
8020	437508.97	3763063.44	2.9E-08	9.87E-08	1.28E-07	4.50E-09	1.61E-08	2.06E-08	2.42E-09	7.48E-09	9.90E-09
8021	437518.62	3763063.42	3E-08	1.02E-07	1.32E-07	4.66E-09	1.67E-08	2.14E-08	2.51E-09	7.75E-09	1.03E-08
8022	437528.27	3763063.4	3.1E-08	1.06E-07	1.37E-07	4.81E-09	1.72E-08	2.21E-08	2.59E-09	8.00E-09	1.06E-08
8023	437537.92	3763063.38	3.2E-08	1.09E-07	1.41E-07	4.97E-09	1.78E-08	2.28E-08	2.67E-09	8.26E-09	1.09E-08
8024	437547.57	3763063.36	3.3E-08	1.13E-07	1.46E-07	5.13E-09	1.84E-08	2.35E-08	2.76E-09	8.53E-09	1.13E-08
8025	437355.6	3763080.17	1.77E-08	6.04E-08	7.81E-08	2.75E-09	9.87E-09	1.26E-08	1.48E-09	4.58E-09	6.06E-09
8026	437346.94	3763076.6	1.79E-08	6.11E-08	7.91E-08	2.79E-09	9.99E-09	1.28E-08	1.50E-09	4.63E-09	6.13E-09
8027	437338.28	3763073.03	1.81E-08	6.18E-08	8.00E-08	2.82E-09	1.01E-08	1.29E-08	1.52E-09	4.69E-09	6.20E-09
8028	437329.62	3763069.46	1.83E-08	6.25E-08	8.09E-08	2.85E-09	1.02E-08	1.31E-08	1.53E-09	4.74E-09	6.27E-09
8029	437320.96	3763065.89	1.85E-08	6.32E-08	8.17E-08	2.88E-09	1.03E-08	1.32E-08	1.55E-09	4.79E-09	6.34E-09
8030	437312.3	3763062.31	1.87E-08	6.38E-08	8.25E-08	2.91E-09	1.04E-08	1.33E-08	1.57E-09	4.84E-09	6.40E-09
8031	437303.64	3763058.74	1.89E-08	6.44E-08	8.33E-08	2.93E-09	1.05E-08	1.35E-08	1.58E-09	4.88E-09	6.46E-09
8032	437294.99	3763055.17	1.9E-08	6.49E-08	8.39E-08	2.96E-09	1.06E-08	1.36E-08	1.59E-09	4.92E-09	6.51E-09
8033	437286.33	3763051.6	1.92E-08	6.53E-08	8.45E-08	2.98E-09	1.07E-08	1.37E-08	1.60E-09	4.95E-09	6.56E-09
8034	437277.67	3763048.03	1.93E-08	6.57E-08	8.50E-08	2.99E-09	1.07E-08	1.37E-08	1.61E-09	4.98E-09	6.59E-09
8035	437269.01	3763044.46	1.94E-08	6.61E-08	8.54E-08	3.01E-09	1.08E-08	1.38E-08	1.62E-09	5.01E-09	6.63E-09
8036	437260.35	3763040.89	1.95E-08	6.63E-08	8.58E-08	3.02E-09	1.08E-08	1.39E-08	1.63E-09	5.03E-09	6.65E-09
8037	437217.06	3763023.04	1.94E-08	6.62E-08	8.57E-08	3.02E-09	1.08E-08	1.38E-08	1.63E-09	5.02E-09	6.65E-09
8038	437204.81	3763010.81	2.02E-08	6.88E-08	8.90E-08	3.13E-09	1.12E-08	1.44E-08	1.69E-09	5.21E-09	6.90E-09
8039	437201.22	3763002.16	2.1E-08	7.17E-08	9.27E-08	3.27E-09	1.17E-08	1.50E-08	1.76E-09	5.43E-09	7.19E-09
8040	437197.63	3762993.51	2.19E-08	7.47E-08	9.66E-08	3.40E-09	1.22E-08	1.56E-08	1.83E-09	5.66E-09	7.49E-09
8041	437194.04	3762984.86	2.28E-08	7.76E-08	1.00E-07	3.53E-09	1.27E-08	1.62E-08	1.90E-09	5.88E-09	7.78E-09
8042	437190.45	3762976.21	2.36E-08	8.04E-08	1.04E-07	3.67E-09	1.31E-08	1.68E-08	1.97E-09	6.10E-09	8.07E-09
8043	437186.87	3762967.56	2.44E-08	8.33E-08	1.08E-07	3.79E-09	1.36E-08	1.74E-08	2.04E-09	6.31E-09	8.35E-09
8044	437183.28	3762958.91	2.52E-08	8.60E-08	1.11E-07	3.92E-09	1.40E-08	1.80E-08	2.11E-09	6.51E-09	8.62E-09
8045	437364.26	3763083.74	1.75E-08	5.97E-08	7.72E-08	2.72E-09	9.76E-09	1.25E-08	1.47E-09	4.52E-09	5.99E-09
8046	437373.91	3763083.72	1.78E-08	6.08E-08	7.86E-08	2.77E-09	9.93E-09	1.27E-08	1.49E-09	4.60E-09	6.10E-09
8047	437383.56	3763083.7	1.82E-08	6.19E-08	8.01E-08	2.82E-09	1.01E-08	1.29E-08	1.52E-09	4.69E-09	6.21E-09
8048	437393.21	3763083.68	1.85E-08	6.31E-08	8.16E-08	2.88E-09	1.03E-08	1.32E-08	1.55E-09	4.78E-09	6.33E-09

8049	437480.06	3763083.5	2.21E-08	7.53E-08	9.74E-08	3.43E-09	1.23E-08	1.57E-08	1.85E-09	5.71E-09	7.56E-09
8050	437489.71	3763083.48	2.25E-08	7.69E-08	9.94E-08	3.50E-09	1.26E-08	1.61E-08	1.89E-09	5.83E-09	7.71E-09
8051	437499.36	3763083.46	2.32E-08	7.90E-08	1.02E-07	3.60E-09	1.29E-08	1.65E-08	1.94E-09	5.98E-09	7.92E-09
8052	437509.01	3763083.44	2.38E-08	8.13E-08	1.05E-07	3.70E-09	1.33E-08	1.70E-08	1.99E-09	6.16E-09	8.15E-09
8053	437518.66	3763083.42	2.45E-08	8.37E-08	1.08E-07	3.81E-09	1.37E-08	1.75E-08	2.05E-09	6.34E-09	8.40E-09
8054	437528.31	3763083.4	2.53E-08	8.62E-08	1.11E-07	3.93E-09	1.41E-08	1.80E-08	2.12E-09	6.53E-09	8.65E-09
8055	437537.97	3763083.38	2.61E-08	8.89E-08	1.15E-07	4.05E-09	1.45E-08	1.86E-08	2.18E-09	6.74E-09	8.92E-09
8056	437547.62	3763083.36	2.69E-08	9.18E-08	1.19E-07	4.18E-09	1.50E-08	1.92E-08	2.25E-09	6.95E-09	9.21E-09
8057	437355.8	3763100.23	1.53E-08	5.21E-08	6.74E-08	2.37E-09	8.51E-09	1.09E-08	1.28E-09	3.95E-09	5.23E-09
8058	437347.29	3763096.73	1.55E-08	5.27E-08	6.82E-08	2.40E-09	8.61E-09	1.10E-08	1.29E-09	3.99E-09	5.29E-09
8059	437338.79	3763093.22	1.56E-08	5.33E-08	6.89E-08	2.43E-09	8.70E-09	1.11E-08	1.31E-09	4.04E-09	5.35E-09
8060	437330.29	3763089.72	1.58E-08	5.39E-08	6.96E-08	2.45E-09	8.80E-09	1.13E-08	1.32E-09	4.08E-09	5.40E-09
8061	437321.79	3763086.21	1.6E-08	5.44E-08	7.04E-08	2.48E-09	8.89E-09	1.14E-08	1.34E-09	4.12E-09	5.46E-09
8062	437313.29	3763082.7	1.61E-08	5.50E-08	7.11E-08	2.51E-09	8.98E-09	1.15E-08	1.35E-09	4.17E-09	5.52E-09
8063	437304.79	3763079.2	1.63E-08	5.55E-08	7.18E-08	2.53E-09	9.07E-09	1.16E-08	1.36E-09	4.21E-09	5.57E-09
8064	437296.29	3763075.69	1.64E-08	5.60E-08	7.24E-08	2.55E-09	9.15E-09	1.17E-08	1.37E-09	4.24E-09	5.62E-09
8065	437287.79	3763072.19	1.66E-08	5.65E-08	7.30E-08	2.57E-09	9.22E-09	1.18E-08	1.39E-09	4.28E-09	5.66E-09
8066	437279.28	3763068.68	1.67E-08	5.69E-08	7.36E-08	2.59E-09	9.29E-09	1.19E-08	1.40E-09	4.31E-09	5.71E-09
8067	437270.78	3763065.17	1.68E-08	5.72E-08	7.40E-08	2.61E-09	9.35E-09	1.20E-08	1.41E-09	4.34E-09	5.74E-09
8068	437262.28	3763061.67	1.69E-08	5.75E-08	7.44E-08	2.62E-09	9.40E-09	1.20E-08	1.41E-09	4.36E-09	5.77E-09
8069	437253.78	3763058.16	1.7E-08	5.78E-08	7.48E-08	2.63E-09	9.44E-09	1.21E-08	1.42E-09	4.38E-09	5.80E-09
8070	437245.28	3763054.66	1.7E-08	5.80E-08	7.50E-08	2.64E-09	9.47E-09	1.21E-08	1.42E-09	4.39E-09	5.82E-09
8071	437219.77	3763044.14	1.71E-08	5.82E-08	7.52E-08	2.65E-09	9.51E-09	1.22E-08	1.43E-09	4.41E-09	5.84E-09
8072	437211.27	3763040.63	1.7E-08	5.81E-08	7.51E-08	2.65E-09	9.49E-09	1.21E-08	1.43E-09	4.40E-09	5.83E-09
8073	437202.77	3763037.13	1.7E-08	5.79E-08	7.49E-08	2.64E-09	9.46E-09	1.21E-08	1.42E-09	4.39E-09	5.81E-09
8074	437190.75	3763025.13	1.76E-08	6.00E-08	7.76E-08	2.73E-09	9.80E-09	1.25E-08	1.47E-09	4.55E-09	6.02E-09
8075	437187.22	3763016.63	1.83E-08	6.24E-08	8.07E-08	2.84E-09	1.02E-08	1.30E-08	1.53E-09	4.73E-09	6.26E-09
8076	437183.7	3763008.14	1.9E-08	6.48E-08	8.38E-08	2.95E-09	1.06E-08	1.35E-08	1.59E-09	4.91E-09	6.50E-09
8077	437180.18	3762999.65	1.97E-08	6.72E-08	8.70E-08	3.06E-09	1.10E-08	1.40E-08	1.65E-09	5.10E-09	6.75E-09
8078	437144.94	3762914.7	2.55E-08	8.69E-08	1.12E-07	3.96E-09	1.42E-08	1.82E-08	2.13E-09	6.59E-09	8.72E-09
8079	437141.42	3762906.21	2.57E-08	8.76E-08	1.13E-07	3.99E-09	1.43E-08	1.83E-08	2.15E-09	6.64E-09	8.79E-09
8080	437364.3	3763103.74	1.51E-08	5.16E-08	6.67E-08	2.35E-09	8.42E-09	1.08E-08	1.27E-09	3.91E-09	5.17E-09
8081	437373.95	3763103.72	1.54E-08	5.24E-08	6.78E-08	2.39E-09	8.56E-09	1.09E-08	1.29E-09	3.97E-09	5.26E-09
8082	437383.6	3763103.7	1.56E-08	5.33E-08	6.89E-08	2.43E-09	8.71E-09	1.11E-08	1.31E-09	4.04E-09	5.35E-09
8083	437422.2	3763103.62	1.68E-08	5.73E-08	7.41E-08	2.61E-09	9.36E-09	1.20E-08	1.41E-09	4.34E-09	5.75E-09
8084	437431.85	3763103.6	1.71E-08	5.84E-08	7.56E-08	2.66E-09	9.54E-09	1.22E-08	1.43E-09	4.43E-09	5.86E-09
8085	437441.5	3763103.58	1.75E-08	5.95E-08	7.70E-08	2.71E-09	9.73E-09	1.24E-08	1.46E-09	4.51E-09	5.97E-09
8086	437451.15	3763103.56	1.78E-08	6.07E-08	7.86E-08	2.77E-09	9.92E-09	1.27E-08	1.49E-09	4.60E-09	6.09E-09
8087	437499.4	3763103.46	1.96E-08	6.68E-08	8.64E-08	3.04E-09	1.09E-08	1.40E-08	1.64E-09	5.06E-09	6.70E-09
8088	437509.06	3763103.44	2.02E-08	6.88E-08	8.89E-08	3.13E-09	1.12E-08	1.44E-08	1.69E-09	5.21E-09	6.90E-09
8089	437518.71	3763103.42	2.08E-08	7.09E-08	9.17E-08	3.23E-09	1.16E-08	1.48E-08	1.74E-09	5.37E-09	7.11E-09
8090	437528.36	3763103.4	2.13E-08	7.26E-08	9.39E-08	3.31E-09	1.19E-08	1.52E-08	1.78E-09	5.50E-09	7.28E-09
8091	437538.01	3763103.38	2.18E-08	7.44E-08	9.62E-08	3.39E-09	1.22E-08	1.55E-08	1.83E-09	5.64E-09	7.46E-09
8092	437547.66	3763103.36	2.24E-08	7.63E-08	9.87E-08	3.48E-09	1.25E-08	1.59E-08	1.87E-09	5.78E-09	7.65E-09
8093	437355.57	3763120.12	1.33E-08	4.54E-08	5.87E-08	2.07E-09	7.42E-09	9.49E-09	1.11E-09	3.44E-09	4.56E-09
8094	437346.8	3763116.51	1.35E-08	4.59E-08	5.94E-08	2.09E-09	7.50E-09	9.59E-09	1.13E-09	3.48E-09	4.60E-09
8095	437338.03	3763112.89	1.36E-08	4.64E-08	6.00E-08	2.11E-09	7.58E-09	9.69E-09	1.14E-09	3.51E-09	4.65E-09
8096	437329.25	3763109.27	1.37E-08	4.69E-08	6.06E-08	2.14E-09	7.66E-09	9.79E-09	1.15E-09	3.55E-09	4.70E-09
8097	437320.48	3763105.65	1.39E-08	4.74E-08	6.13E-08	2.16E-09	7.74E-09	9.90E-09	1.16E-09	3.59E-09	4.75E-09
8098	437311.71	3763102.04	1.4E-08	4.79E-08	6.19E-08	2.18E-09	7.82E-09	1.00E-08	1.17E-09	3.63E-09	4.80E-09
8099	437302.94	3763098.42	1.42E-08	4.84E-08	6.25E-08	2.20E-09	7.90E-09	1.01E-08	1.19E-09	3.66E-09	4.85E-09
8100	437294.17	3763094.8	1.43E-08	4.88E-08	6.31E-08	2.22E-09	7.98E-09	1.02E-08	1.20E-09	3.70E-09	4.90E-09
8101	437285.4	3763091.18	1.44E-08	4.93E-08	6.37E-08	2.25E-09	8.05E-09	1.03E-08	1.21E-09	3.73E-09	4.94E-09
8102	437276.63	3763087.57	1.46E-08	4.97E-08	6.43E-08	2.26E-09	8.12E-09	1.04E-08	1.22E-09	3.77E-09	4.98E-09
8103	437267.86	3763083.95	1.47E-08	5.01E-08	6.47E-08	2.28E-09	8.18E-09	1.05E-08	1.23E-09	3.79E-09	5.02E-09
8104	437259.08	3763080.33	1.48E-08	5.04E-08	6.52E-08	2.30E-09	8.23E-09	1.05E-08	1.24E-09	3.82E-09	5.06E-09
8105	437250.31	3763076.72	1.49E-08	5.07E-08	6.55E-08	2.31E-09	8.28E-09	1.06E-08	1.24E-09	3.84E-09	5.08E-09
8106	437241.54	3763073.1	1.49E-08	5.09E-08	6.58E-08	2.32E-09	8.32E-09	1.06E-08	1.25E-09	3.86E-09	5.11E-09
8107	437232.77	3763069.48	1.5E-08	5.11E-08	6.61E-08	2.33E-09	8.35E-09	1.07E-08	1.25E-09	3.87E-09	5.13E-09
8108	437224	3763065.86	1.5E-08	5.12E-08	6.63E-08	2.33E-09	8.37E-09	1.07E-08	1.26E-09	3.88E-09	5.14E-09
8109	437215.23	3763062.25	1.5E-08	5.13E-08	6.63E-08	2.34E-09	8.38E-09	1.07E-08	1.26E-09	3.89E-09	5.15E-09

8110	437206.46	3763058.63	1.5E-08	5.13E-08	6.63E-08	2.34E-09	8.38E-09	1.07E-08	1.26E-09	3.89E-09	5.15E-09
8111	437197.69	3763055.01	1.5E-08	5.12E-08	6.63E-08	2.33E-09	8.37E-09	1.07E-08	1.26E-09	3.88E-09	5.14E-09
8112	437188.91	3763051.4	1.5E-08	5.11E-08	6.61E-08	2.33E-09	8.35E-09	1.07E-08	1.25E-09	3.87E-09	5.13E-09
8113	437143.79	3762960.14	2.08E-08	7.09E-08	9.17E-08	3.23E-09	1.16E-08	1.48E-08	1.74E-09	5.37E-09	7.11E-09
8114	437140.15	3762951.38	2.13E-08	7.26E-08	9.39E-08	3.31E-09	1.19E-08	1.52E-08	1.78E-09	5.50E-09	7.28E-09
8115	437136.52	3762942.61	2.17E-08	7.41E-08	9.59E-08	3.38E-09	1.21E-08	1.55E-08	1.82E-09	5.62E-09	7.44E-09
8116	437132.88	3762933.85	2.21E-08	7.55E-08	9.77E-08	3.44E-09	1.23E-08	1.58E-08	1.85E-09	5.72E-09	7.58E-09
8117	437129.25	3762925.09	2.25E-08	7.67E-08	9.92E-08	3.50E-09	1.25E-08	1.60E-08	1.88E-09	5.81E-09	7.70E-09
8118	437125.61	3762916.32	2.28E-08	7.78E-08	1.01E-07	3.55E-09	1.27E-08	1.63E-08	1.91E-09	5.90E-09	7.81E-09
8119	437121.98	3762907.56	2.3E-08	7.85E-08	1.02E-07	3.58E-09	1.28E-08	1.64E-08	1.93E-09	5.95E-09	7.87E-09
8120	437118.34	3762898.79	2.32E-08	7.90E-08	1.02E-07	3.60E-09	1.29E-08	1.65E-08	1.94E-09	5.99E-09	7.92E-09
8121	437364.34	3763123.74	1.32E-08	4.49E-08	5.81E-08	2.05E-09	7.34E-09	9.39E-09	1.10E-09	3.41E-09	4.51E-09
8122	437373.99	3763123.72	1.34E-08	4.56E-08	5.90E-08	2.08E-09	7.45E-09	9.53E-09	1.12E-09	3.46E-09	4.58E-09
8123	437383.64	3763123.7	1.36E-08	4.63E-08	5.99E-08	2.11E-09	7.57E-09	9.68E-09	1.14E-09	3.51E-09	4.65E-09
8124	437422.24	3763123.62	1.45E-08	4.96E-08	6.41E-08	2.26E-09	8.10E-09	1.04E-08	1.22E-09	3.76E-09	4.97E-09
8125	437431.89	3763123.6	1.48E-08	5.05E-08	6.53E-08	2.30E-09	8.24E-09	1.05E-08	1.24E-09	3.82E-09	5.06E-09
8126	437441.54	3763123.58	1.51E-08	5.14E-08	6.64E-08	2.34E-09	8.39E-09	1.07E-08	1.26E-09	3.89E-09	5.15E-09
8127	437451.19	3763123.56	1.53E-08	5.23E-08	6.77E-08	2.38E-09	8.55E-09	1.09E-08	1.28E-09	3.97E-09	5.25E-09
8128	437460.84	3763123.54	1.56E-08	5.33E-08	6.90E-08	2.43E-09	8.72E-09	1.11E-08	1.31E-09	4.04E-09	5.35E-09
8129	437470.49	3763123.52	1.59E-08	5.43E-08	7.02E-08	2.47E-09	8.87E-09	1.13E-08	1.33E-09	4.11E-09	5.44E-09
8130	437499.45	3763123.46	1.68E-08	5.73E-08	7.41E-08	2.61E-09	9.36E-09	1.20E-08	1.41E-09	4.34E-09	5.75E-09
8131	437509.1	3763123.44	1.72E-08	5.86E-08	7.58E-08	2.67E-09	9.58E-09	1.22E-08	1.44E-09	4.44E-09	5.88E-09
8132	437518.75	3763123.42	1.76E-08	6.00E-08	7.77E-08	2.74E-09	9.81E-09	1.25E-08	1.47E-09	4.55E-09	6.02E-09
8133	437528.4	3763123.4	1.8E-08	6.14E-08	7.94E-08	2.80E-09	1.00E-08	1.28E-08	1.51E-09	4.65E-09	6.16E-09
8134	437538.05	3763123.38	1.84E-08	6.28E-08	8.12E-08	2.86E-09	1.03E-08	1.31E-08	1.54E-09	4.76E-09	6.30E-09
8135	437547.7	3763123.36	1.89E-08	6.43E-08	8.32E-08	2.93E-09	1.05E-08	1.34E-08	1.58E-09	4.87E-09	6.45E-09
8136	437355.76	3763140.18	1.17E-08	3.99E-08	5.16E-08	1.82E-09	6.51E-09	8.33E-09	9.79E-10	3.02E-09	4.00E-09
8137	437347.13	3763136.63	1.18E-08	4.03E-08	5.21E-08	1.83E-09	6.58E-09	8.41E-09	9.88E-10	3.05E-09	4.04E-09
8138	437338.51	3763133.07	1.19E-08	4.07E-08	5.26E-08	1.85E-09	6.64E-09	8.49E-09	9.98E-10	3.08E-09	4.08E-09
8139	437329.88	3763129.51	1.2E-08	4.11E-08	5.31E-08	1.87E-09	6.71E-09	8.58E-09	1.01E-09	3.11E-09	4.12E-09
8140	437321.26	3763125.96	1.22E-08	4.15E-08	5.36E-08	1.89E-09	6.78E-09	8.67E-09	1.02E-09	3.14E-09	4.16E-09
8141	437312.63	3763122.4	1.23E-08	4.19E-08	5.42E-08	1.91E-09	6.84E-09	8.75E-09	1.03E-09	3.17E-09	4.20E-09
8142	437304.01	3763118.84	1.24E-08	4.23E-08	5.47E-08	1.93E-09	6.91E-09	8.84E-09	1.04E-09	3.21E-09	4.24E-09
8143	437295.38	3763115.29	1.25E-08	4.27E-08	5.52E-08	1.95E-09	6.98E-09	8.92E-09	1.05E-09	3.24E-09	4.28E-09
8144	437286.76	3763111.73	1.26E-08	4.31E-08	5.57E-08	1.96E-09	7.04E-09	9.01E-09	1.06E-09	3.27E-09	4.32E-09
8145	437278.13	3763108.17	1.28E-08	4.35E-08	5.62E-08	1.98E-09	7.11E-09	9.09E-09	1.07E-09	3.30E-09	4.36E-09
8146	437269.51	3763104.62	1.29E-08	4.39E-08	5.67E-08	2.00E-09	7.17E-09	9.16E-09	1.08E-09	3.32E-09	4.40E-09
8147	437260.89	3763101.06	1.3E-08	4.42E-08	5.72E-08	2.01E-09	7.22E-09	9.24E-09	1.09E-09	3.35E-09	4.43E-09
8148	437252.26	3763097.5	1.31E-08	4.45E-08	5.76E-08	2.03E-09	7.27E-09	9.30E-09	1.09E-09	3.37E-09	4.47E-09
8149	437243.64	3763093.95	1.31E-08	4.48E-08	5.79E-08	2.04E-09	7.32E-09	9.36E-09	1.10E-09	3.39E-09	4.49E-09
8150	437235.01	3763090.39	1.32E-08	4.50E-08	5.82E-08	2.05E-09	7.36E-09	9.41E-09	1.11E-09	3.41E-09	4.52E-09
8151	437226.39	3763086.83	1.33E-08	4.52E-08	5.85E-08	2.06E-09	7.39E-09	9.45E-09	1.11E-09	3.43E-09	4.54E-09
8152	437217.76	3763083.28	1.33E-08	4.54E-08	5.87E-08	2.07E-09	7.41E-09	9.48E-09	1.11E-09	3.44E-09	4.55E-09
8153	437209.14	3763079.72	1.33E-08	4.55E-08	5.89E-08	2.07E-09	7.43E-09	9.51E-09	1.12E-09	3.45E-09	4.57E-09
8154	437200.51	3763076.16	1.34E-08	4.56E-08	5.89E-08	2.08E-09	7.44E-09	9.52E-09	1.12E-09	3.45E-09	4.57E-09
8155	437191.89	3763072.61	1.34E-08	4.56E-08	5.89E-08	2.08E-09	7.45E-09	9.52E-09	1.12E-09	3.45E-09	4.57E-09
8156	437183.26	3763069.05	1.34E-08	4.55E-08	5.89E-08	2.07E-09	7.44E-09	9.51E-09	1.12E-09	3.45E-09	4.57E-09
8157	437144.57	3763010.23	1.63E-08	5.57E-08	7.20E-08	2.54E-09	9.10E-09	1.16E-08	1.37E-09	4.22E-09	5.59E-09
8158	437140.99	3763001.61	1.68E-08	5.74E-08	7.42E-08	2.61E-09	9.37E-09	1.20E-08	1.41E-09	4.35E-09	5.76E-09
8159	437137.42	3762993	1.73E-08	5.90E-08	7.63E-08	2.69E-09	9.64E-09	1.23E-08	1.45E-09	4.47E-09	5.92E-09
8160	437133.84	3762984.38	1.78E-08	6.06E-08	7.84E-08	2.76E-09	9.91E-09	1.27E-08	1.49E-09	4.60E-09	6.08E-09
8161	437130.27	3762975.76	1.82E-08	6.22E-08	8.04E-08	2.83E-09	1.02E-08	1.30E-08	1.53E-09	4.71E-09	6.24E-09
8162	437126.69	3762967.15	1.87E-08	6.37E-08	8.23E-08	2.90E-09	1.04E-08	1.33E-08	1.56E-09	4.82E-09	6.39E-09
8163	437123.12	3762958.53	1.91E-08	6.51E-08	8.41E-08	2.96E-09	1.06E-08	1.36E-08	1.60E-09	4.93E-09	6.53E-09
8164	437119.55	3762949.91	1.95E-08	6.64E-08	8.58E-08	3.02E-09	1.08E-08	1.39E-08	1.63E-09	5.03E-09	6.66E-09
8165	437115.97	3762941.29	1.98E-08	6.75E-08	8.73E-08	3.08E-09	1.10E-08	1.41E-08	1.66E-09	5.12E-09	6.77E-09
8166	437112.4	3762932.68	2.01E-08	6.86E-08	8.87E-08	3.13E-09	1.12E-08	1.43E-08	1.68E-09	5.20E-09	6.88E-09
8167	437108.82	3762924.06	2.04E-08	6.95E-08	8.99E-08	3.17E-09	1.14E-08	1.45E-08	1.71E-09	5.27E-09	6.97E-09
8168	437105.25	3762915.44	2.06E-08	7.03E-08	9.09E-08	3.20E-09	1.15E-08	1.47E-08	1.72E-09	5.32E-09	7.05E-09
8169	437101.67	3762906.83	2.08E-08	7.09E-08	9.17E-08	3.23E-09	1.16E-08	1.48E-08	1.74E-09	5.37E-09	7.11E-09
8170	437098.1	3762898.21	2.09E-08	7.14E-08	9.23E-08	3.25E-09	1.17E-08	1.49E-08	1.75E-09	5.41E-09	7.16E-09

8171	437364.38	3763143.74	1.16E-08	3.95E-08	5.11E-08	1.80E-09	6.45E-09	8.25E-09	9.69E-10	2.99E-09	3.96E-09
8172	437374.03	3763143.72	1.18E-08	4.01E-08	5.18E-08	1.83E-09	6.55E-09	8.37E-09	9.84E-10	3.04E-09	4.02E-09
8173	437383.68	3763143.7	1.19E-08	4.07E-08	5.26E-08	1.85E-09	6.64E-09	8.49E-09	9.98E-10	3.08E-09	4.08E-09
8174	437422.28	3763143.62	1.27E-08	4.33E-08	5.60E-08	1.97E-09	7.07E-09	9.04E-09	1.06E-09	3.28E-09	4.34E-09
8175	437431.93	3763143.6	1.29E-08	4.40E-08	5.69E-08	2.01E-09	7.19E-09	9.20E-09	1.08E-09	3.34E-09	4.42E-09
8176	437441.58	3763143.58	1.31E-08	4.48E-08	5.79E-08	2.04E-09	7.31E-09	9.35E-09	1.10E-09	3.39E-09	4.49E-09
8177	437451.24	3763143.56	1.34E-08	4.56E-08	5.89E-08	2.08E-09	7.44E-09	9.52E-09	1.12E-09	3.45E-09	4.57E-09
8178	437460.89	3763143.54	1.36E-08	4.64E-08	6.00E-08	2.11E-09	7.58E-09	9.69E-09	1.14E-09	3.52E-09	4.65E-09
8179	437470.54	3763143.52	1.39E-08	4.72E-08	6.11E-08	2.15E-09	7.72E-09	9.87E-09	1.16E-09	3.58E-09	4.74E-09
8180	437509.14	3763143.44	1.48E-08	5.05E-08	6.53E-08	2.30E-09	8.24E-09	1.05E-08	1.24E-09	3.82E-09	5.06E-09
8181	437518.79	3763143.42	1.5E-08	5.13E-08	6.63E-08	2.34E-09	8.38E-09	1.07E-08	1.26E-09	3.89E-09	5.15E-09
8182	437528.44	3763143.4	1.54E-08	5.24E-08	6.78E-08	2.39E-09	8.56E-09	1.09E-08	1.29E-09	3.97E-09	5.26E-09
8183	437538.09	3763143.38	1.57E-08	5.36E-08	6.93E-08	2.44E-09	8.76E-09	1.12E-08	1.32E-09	4.06E-09	5.38E-09
8184	437547.74	3763143.36	1.61E-08	5.49E-08	7.10E-08	2.50E-09	8.96E-09	1.15E-08	1.35E-09	4.16E-09	5.50E-09
8185	437355.57	3763160.09	1.03E-08	3.53E-08	4.56E-08	1.61E-09	5.76E-09	7.37E-09	8.66E-10	2.67E-09	3.54E-09
8186	437346.71	3763156.44	1.04E-08	3.56E-08	4.60E-08	1.62E-09	5.82E-09	7.44E-09	8.74E-10	2.70E-09	3.57E-09
8187	437337.85	3763152.78	1.05E-08	3.60E-08	4.65E-08	1.64E-09	5.87E-09	7.51E-09	8.82E-10	2.72E-09	3.61E-09
8188	437329	3763149.13	1.06E-08	3.63E-08	4.70E-08	1.65E-09	5.93E-09	7.59E-09	8.91E-10	2.75E-09	3.64E-09
8189	437320.14	3763145.48	1.08E-08	3.67E-08	4.74E-08	1.67E-09	5.99E-09	7.66E-09	9.00E-10	2.78E-09	3.68E-09
8190	437311.29	3763141.83	1.09E-08	3.70E-08	4.79E-08	1.69E-09	6.05E-09	7.74E-09	9.09E-10	2.81E-09	3.72E-09
8191	437302.43	3763138.18	1.1E-08	3.74E-08	4.84E-08	1.70E-09	6.11E-09	7.81E-09	9.18E-10	2.83E-09	3.75E-09
8192	437293.58	3763134.52	1.11E-08	3.77E-08	4.88E-08	1.72E-09	6.17E-09	7.89E-09	9.27E-10	2.86E-09	3.79E-09
8193	437284.72	3763130.87	1.12E-08	3.81E-08	4.93E-08	1.74E-09	6.22E-09	7.96E-09	9.35E-10	2.89E-09	3.82E-09
8194	437275.87	3763127.22	1.13E-08	3.85E-08	4.97E-08	1.75E-09	6.28E-09	8.03E-09	9.44E-10	2.91E-09	3.86E-09
8195	437267.01	3763123.57	1.14E-08	3.88E-08	5.02E-08	1.77E-09	6.34E-09	8.11E-09	9.52E-10	2.94E-09	3.89E-09
8196	437258.15	3763119.92	1.15E-08	3.91E-08	5.06E-08	1.78E-09	6.39E-09	8.17E-09	9.60E-10	2.96E-09	3.93E-09
8197	437249.3	3763116.26	1.16E-08	3.94E-08	5.10E-08	1.80E-09	6.44E-09	8.24E-09	9.68E-10	2.99E-09	3.96E-09
8198	437240.44	3763112.61	1.16E-08	3.97E-08	5.14E-08	1.81E-09	6.49E-09	8.30E-09	9.75E-10	3.01E-09	3.98E-09
8199	437231.59	3763108.96	1.17E-08	4.00E-08	5.17E-08	1.82E-09	6.53E-09	8.35E-09	9.81E-10	3.03E-09	4.01E-09
8200	437222.73	3763105.31	1.18E-08	4.02E-08	5.20E-08	1.83E-09	6.56E-09	8.39E-09	9.86E-10	3.04E-09	4.03E-09
8201	437213.88	3763101.66	1.18E-08	4.04E-08	5.22E-08	1.84E-09	6.60E-09	8.44E-09	9.91E-10	3.06E-09	4.05E-09
8202	437205.02	3763098	1.19E-08	4.05E-08	5.24E-08	1.85E-09	6.62E-09	8.47E-09	9.95E-10	3.07E-09	4.07E-09
8203	437196.17	3763094.35	1.19E-08	4.07E-08	5.26E-08	1.85E-09	6.64E-09	8.49E-09	9.98E-10	3.08E-09	4.08E-09
8204	437187.31	3763090.7	1.19E-08	4.07E-08	5.27E-08	1.86E-09	6.65E-09	8.51E-09	1.00E-09	3.09E-09	4.09E-09
8205	437144.55	3763058.4	1.28E-08	4.36E-08	5.63E-08	1.98E-09	7.12E-09	9.10E-09	1.07E-09	3.30E-09	4.37E-09
8206	437140.88	3763049.55	1.32E-08	4.51E-08	5.83E-08	2.05E-09	7.37E-09	9.42E-09	1.11E-09	3.42E-09	4.52E-09
8207	437137.21	3763040.7	1.37E-08	4.66E-08	6.03E-08	2.12E-09	7.62E-09	9.74E-09	1.14E-09	3.53E-09	4.68E-09
8208	437133.54	3763031.85	1.41E-08	4.82E-08	6.23E-08	2.19E-09	7.87E-09	1.01E-08	1.18E-09	3.65E-09	4.83E-09
8209	437129.87	3763023	1.46E-08	4.97E-08	6.43E-08	2.26E-09	8.12E-09	1.04E-08	1.22E-09	3.77E-09	4.99E-09
8210	437126.2	3763014.16	1.5E-08	5.12E-08	6.62E-08	2.33E-09	8.37E-09	1.07E-08	1.26E-09	3.88E-09	5.14E-09
8211	437122.53	3763005.31	1.55E-08	5.27E-08	6.81E-08	2.40E-09	8.61E-09	1.10E-08	1.29E-09	3.99E-09	5.29E-09
8212	437118.85	3762996.46	1.59E-08	5.41E-08	7.00E-08	2.47E-09	8.84E-09	1.13E-08	1.33E-09	4.10E-09	5.43E-09
8213	437115.18	3762987.61	1.63E-08	5.55E-08	7.18E-08	2.53E-09	9.07E-09	1.16E-08	1.36E-09	4.21E-09	5.57E-09
8214	437111.51	3762978.76	1.67E-08	5.69E-08	7.35E-08	2.59E-09	9.29E-09	1.19E-08	1.40E-09	4.31E-09	5.70E-09
8215	437107.84	3762969.92	1.7E-08	5.81E-08	7.52E-08	2.65E-09	9.49E-09	1.21E-08	1.43E-09	4.40E-09	5.83E-09
8216	437104.17	3762961.07	1.74E-08	5.93E-08	7.67E-08	2.70E-09	9.68E-09	1.24E-08	1.46E-09	4.49E-09	5.95E-09
8217	437100.5	3762952.22	1.77E-08	6.04E-08	7.81E-08	2.75E-09	9.86E-09	1.26E-08	1.48E-09	4.57E-09	6.06E-09
8218	437096.83	3762943.37	1.8E-08	6.13E-08	7.93E-08	2.79E-09	1.00E-08	1.28E-08	1.51E-09	4.65E-09	6.15E-09
8219	437093.16	3762934.52	1.82E-08	6.22E-08	8.04E-08	2.83E-09	1.02E-08	1.30E-08	1.53E-09	4.71E-09	6.24E-09
8220	437089.49	3762925.68	1.84E-08	6.29E-08	8.13E-08	2.87E-09	1.03E-08	1.31E-08	1.54E-09	4.77E-09	6.31E-09
8221	437085.82	3762916.83	1.86E-08	6.35E-08	8.21E-08	2.89E-09	1.04E-08	1.33E-08	1.56E-09	4.81E-09	6.37E-09
8222	437082.15	3762907.98	1.88E-08	6.40E-08	8.28E-08	2.92E-09	1.05E-08	1.34E-08	1.57E-09	4.85E-09	6.42E-09
8223	437078.48	3762899.13	1.89E-08	6.44E-08	8.33E-08	2.93E-09	1.05E-08	1.35E-08	1.58E-09	4.88E-09	6.46E-09
8224	437364.42	3763163.74	1.02E-08	3.49E-08	4.52E-08	1.59E-09	5.71E-09	7.30E-09	8.58E-10	2.65E-09	3.51E-09
8225	437374.07	3763163.72	1.04E-08	3.54E-08	4.58E-08	1.61E-09	5.79E-09	7.40E-09	8.70E-10	2.68E-09	3.55E-09
8226	437383.72	3763163.7	1.05E-08	3.59E-08	4.64E-08	1.64E-09	5.87E-09	7.50E-09	8.81E-10	2.72E-09	3.60E-09
8227	437422.32	3763163.62	1.12E-08	3.81E-08	4.93E-08	1.74E-09	6.22E-09	7.96E-09	9.35E-10	2.89E-09	3.82E-09
8228	437431.98	3763163.6	1.14E-08	3.87E-08	5.01E-08	1.76E-09	6.33E-09	8.09E-09	9.51E-10	2.93E-09	3.88E-09
8229	437441.63	3763163.58	1.15E-08	3.94E-08	5.09E-08	1.79E-09	6.43E-09	8.22E-09	9.66E-10	2.98E-09	3.95E-09
8230	437451.28	3763163.56	1.17E-08	4.00E-08	5.18E-08	1.82E-09	6.54E-09	8.36E-09	9.83E-10	3.03E-09	4.02E-09
8231	437460.93	3763163.54	1.19E-08	4.07E-08	5.27E-08	1.86E-09	6.65E-09	8.51E-09	1.00E-09	3.09E-09	4.09E-09

8232	437470.58	3763163.52	1.21E-08	4.14E-08	5.36E-08	1.89E-09	6.76E-09	8.65E-09	1.02E-09	3.14E-09	4.15E-09
8233	437509.18	3763163.44	1.29E-08	4.41E-08	5.70E-08	2.01E-09	7.21E-09	9.22E-09	1.08E-09	3.34E-09	4.42E-09
8234	437518.83	3763163.42	1.31E-08	4.46E-08	5.77E-08	2.03E-09	7.29E-09	9.33E-09	1.10E-09	3.38E-09	4.48E-09
8235	437528.48	3763163.4	1.33E-08	4.54E-08	5.87E-08	2.07E-09	7.42E-09	9.48E-09	1.11E-09	3.44E-09	4.55E-09
8236	437538.13	3763163.38	1.36E-08	4.62E-08	5.98E-08	2.11E-09	7.55E-09	9.66E-09	1.13E-09	3.50E-09	4.64E-09
8237	437547.78	3763163.36	1.38E-08	4.71E-08	6.09E-08	2.15E-09	7.69E-09	9.84E-09	1.16E-09	3.57E-09	4.72E-09
8238	437355.83	3763190.17	8.71E-09	2.97E-08	3.84E-08	1.35E-09	4.85E-09	6.20E-09	7.29E-10	2.25E-09	2.98E-09
8239	437347.17	3763186.6	8.78E-09	3.00E-08	3.87E-08	1.36E-09	4.89E-09	6.26E-09	7.35E-10	2.27E-09	3.00E-09
8240	437338.51	3763183.03	8.86E-09	3.02E-08	3.91E-08	1.38E-09	4.94E-09	6.31E-09	7.42E-10	2.29E-09	3.03E-09
8241	437329.85	3763179.46	8.94E-09	3.05E-08	3.94E-08	1.39E-09	4.98E-09	6.37E-09	7.48E-10	2.31E-09	3.06E-09
8242	437321.19	3763175.89	9.02E-09	3.08E-08	3.98E-08	1.40E-09	5.03E-09	6.43E-09	7.55E-10	2.33E-09	3.09E-09
8243	437312.53	3763172.31	9.11E-09	3.11E-08	4.02E-08	1.41E-09	5.07E-09	6.49E-09	7.62E-10	2.35E-09	3.11E-09
8244	437303.87	3763168.74	9.19E-09	3.13E-08	4.05E-08	1.43E-09	5.12E-09	6.55E-09	7.69E-10	2.37E-09	3.14E-09
8245	437295.21	3763165.17	9.27E-09	3.16E-08	4.09E-08	1.44E-09	5.16E-09	6.61E-09	7.76E-10	2.40E-09	3.17E-09
8246	437286.55	3763161.6	9.35E-09	3.19E-08	4.13E-08	1.45E-09	5.21E-09	6.66E-09	7.83E-10	2.42E-09	3.20E-09
8247	437277.9	3763158.03	9.44E-09	3.22E-08	4.16E-08	1.47E-09	5.26E-09	6.72E-09	7.90E-10	2.44E-09	3.23E-09
8248	437269.24	3763154.46	9.52E-09	3.25E-08	4.20E-08	1.48E-09	5.30E-09	6.78E-09	7.97E-10	2.46E-09	3.26E-09
8249	437260.58	3763150.89	9.6E-09	3.27E-08	4.24E-08	1.49E-09	5.35E-09	6.84E-09	8.04E-10	2.48E-09	3.29E-09
8250	437251.92	3763147.32	9.66E-09	3.29E-08	4.26E-08	1.50E-09	5.38E-09	6.88E-09	8.09E-10	2.50E-09	3.31E-09
8251	437243.26	3763143.75	9.71E-09	3.31E-08	4.28E-08	1.51E-09	5.41E-09	6.92E-09	8.13E-10	2.51E-09	3.32E-09
8252	437234.6	3763140.18	9.75E-09	3.32E-08	4.30E-08	1.51E-09	5.43E-09	6.95E-09	8.16E-10	2.52E-09	3.34E-09
8253	437225.94	3763136.61	9.81E-09	3.35E-08	4.33E-08	1.52E-09	5.47E-09	6.99E-09	8.21E-10	2.54E-09	3.36E-09
8254	437217.28	3763133.04	9.88E-09	3.37E-08	4.36E-08	1.54E-09	5.50E-09	7.04E-09	8.27E-10	2.55E-09	3.38E-09
8255	437208.63	3763129.46	9.98E-09	3.40E-08	4.40E-08	1.55E-09	5.56E-09	7.11E-09	8.35E-10	2.58E-09	3.41E-09
8256	437199.97	3763125.89	1.01E-08	3.43E-08	4.44E-08	1.57E-09	5.61E-09	7.18E-09	8.43E-10	2.60E-09	3.45E-09
8257	437191.31	3763122.32	1.01E-08	3.45E-08	4.46E-08	1.57E-09	5.64E-09	7.21E-09	8.47E-10	2.61E-09	3.46E-09
8258	437182.65	3763118.75	1.02E-08	3.46E-08	4.48E-08	1.58E-09	5.66E-09	7.24E-09	8.50E-10	2.62E-09	3.47E-09
8259	437139.36	3763100.9	1.02E-08	3.48E-08	4.50E-08	1.59E-09	5.69E-09	7.27E-09	8.55E-10	2.64E-09	3.49E-09
8260	437127.11	3763088.68	1.05E-08	3.59E-08	4.65E-08	1.64E-09	5.87E-09	7.51E-09	8.82E-10	2.72E-09	3.60E-09
8261	437123.52	3763080.02	1.09E-08	3.71E-08	4.80E-08	1.69E-09	6.06E-09	7.76E-09	9.11E-10	2.81E-09	3.72E-09
8262	437119.93	3763071.37	1.12E-08	3.83E-08	4.96E-08	1.75E-09	6.26E-09	8.01E-09	9.41E-10	2.90E-09	3.84E-09
8263	437116.34	3763062.72	1.16E-08	3.95E-08	5.11E-08	1.80E-09	6.46E-09	8.26E-09	9.70E-10	3.00E-09	3.97E-09
8264	437112.75	3763054.07	1.2E-08	4.07E-08	5.27E-08	1.86E-09	6.66E-09	8.51E-09	1.00E-09	3.09E-09	4.09E-09
8265	437109.16	3763045.42	1.23E-08	4.20E-08	5.43E-08	1.91E-09	6.86E-09	8.77E-09	1.03E-09	3.18E-09	4.21E-09
8266	437105.58	3763036.77	1.27E-08	4.32E-08	5.58E-08	1.97E-09	7.05E-09	9.02E-09	1.06E-09	3.27E-09	4.33E-09
8267	437101.99	3763028.12	1.3E-08	4.44E-08	5.74E-08	2.02E-09	7.25E-09	9.27E-09	1.09E-09	3.36E-09	4.45E-09
8268	437098.4	3763019.46	1.34E-08	4.55E-08	5.89E-08	2.07E-09	7.44E-09	9.51E-09	1.12E-09	3.45E-09	4.57E-09
8269	437094.81	3763010.81	1.37E-08	4.67E-08	6.03E-08	2.13E-09	7.62E-09	9.75E-09	1.15E-09	3.54E-09	4.68E-09
8270	437091.22	3763002.16	1.4E-08	4.77E-08	6.18E-08	2.18E-09	7.80E-09	9.98E-09	1.17E-09	3.62E-09	4.79E-09
8271	437087.63	3762993.51	1.43E-08	4.88E-08	6.31E-08	2.22E-09	7.97E-09	1.02E-08	1.20E-09	3.70E-09	4.90E-09
8272	437084.04	3762984.86	1.46E-08	4.98E-08	6.44E-08	2.27E-09	8.14E-09	1.04E-08	1.22E-09	3.77E-09	5.00E-09
8273	437080.45	3762976.21	1.49E-08	5.07E-08	6.56E-08	2.31E-09	8.29E-09	1.06E-08	1.25E-09	3.84E-09	5.09E-09
8274	437076.87	3762967.56	1.51E-08	5.16E-08	6.68E-08	2.35E-09	8.43E-09	1.08E-08	1.27E-09	3.91E-09	5.18E-09
8275	437073.28	3762958.91	1.54E-08	5.24E-08	6.78E-08	2.39E-09	8.56E-09	1.10E-08	1.29E-09	3.97E-09	5.26E-09
8276	437069.69	3762950.25	1.56E-08	5.31E-08	6.87E-08	2.42E-09	8.68E-09	1.11E-08	1.30E-09	4.03E-09	5.33E-09
8277	437066.1	3762941.6	1.58E-08	5.37E-08	6.95E-08	2.45E-09	8.78E-09	1.12E-08	1.32E-09	4.07E-09	5.39E-09
8278	437062.51	3762932.95	1.59E-08	5.43E-08	7.02E-08	2.47E-09	8.86E-09	1.13E-08	1.33E-09	4.11E-09	5.44E-09
8279	437058.92	3762924.3	1.61E-08	5.47E-08	7.08E-08	2.49E-09	8.94E-09	1.14E-08	1.34E-09	4.15E-09	5.49E-09
8280	437055.33	3762915.65	1.62E-08	5.52E-08	7.13E-08	2.51E-09	9.01E-09	1.15E-08	1.35E-09	4.18E-09	5.53E-09
8281	437364.48	3763193.74	8.63E-09	2.94E-08	3.81E-08	1.34E-09	4.81E-09	6.15E-09	7.23E-10	2.23E-09	2.95E-09
8282	437374.13	3763193.72	8.74E-09	2.98E-08	3.85E-08	1.36E-09	4.87E-09	6.23E-09	7.32E-10	2.26E-09	2.99E-09
8283	437383.78	3763193.7	8.85E-09	3.02E-08	3.90E-08	1.38E-09	4.93E-09	6.31E-09	7.41E-10	2.29E-09	3.03E-09
8284	437422.39	3763193.62	9.32E-09	3.18E-08	4.11E-08	1.45E-09	5.19E-09	6.64E-09	7.80E-10	2.41E-09	3.19E-09
8285	437432.04	3763193.6	9.49E-09	3.24E-08	4.19E-08	1.48E-09	5.29E-09	6.76E-09	7.95E-10	2.45E-09	3.25E-09
8286	437441.69	3763193.58	9.64E-09	3.29E-08	4.25E-08	1.50E-09	5.37E-09	6.87E-09	8.07E-10	2.49E-09	3.30E-09
8287	437451.34	3763193.56	9.79E-09	3.34E-08	4.32E-08	1.52E-09	5.45E-09	6.97E-09	8.19E-10	2.53E-09	3.35E-09
8288	437460.99	3763193.54	9.94E-09	3.39E-08	4.38E-08	1.54E-09	5.54E-09	7.08E-09	8.32E-10	2.57E-09	3.40E-09
8289	437470.64	3763193.52	1.01E-08	3.44E-08	4.45E-08	1.57E-09	5.62E-09	7.19E-09	8.45E-10	2.61E-09	3.45E-09
8290	437509.24	3763193.44	1.08E-08	3.67E-08	4.75E-08	1.67E-09	6.00E-09	7.68E-09	9.02E-10	2.78E-09	3.69E-09
8291	437518.89	3763193.42	1.09E-08	3.72E-08	4.81E-08	1.69E-09	6.07E-09	7.77E-09	9.13E-10	2.82E-09	3.73E-09
8292	437528.54	3763193.4	1.1E-08	3.76E-08	4.86E-08	1.71E-09	6.14E-09	7.85E-09	9.23E-10	2.85E-09	3.77E-09

8293	437538.19	3763193.38	1.12E-08	3.80E-08	4.92E-08	1.73E-09	6.21E-09	7.95E-09	9.34E-10	2.88E-09	3.82E-09
8294	437547.84	3763193.36	1.13E-08	3.85E-08	4.98E-08	1.76E-09	6.29E-09	8.05E-09	9.46E-10	2.92E-09	3.86E-09
8295	437355.75	3763220.11	7.43E-09	2.53E-08	3.28E-08	1.15E-09	4.14E-09	5.29E-09	6.22E-10	1.92E-09	2.54E-09
8296	437346.96	3763216.49	7.49E-09	2.55E-08	3.30E-08	1.16E-09	4.17E-09	5.34E-09	6.27E-10	1.94E-09	2.56E-09
8297	437338.16	3763212.86	7.55E-09	2.58E-08	3.33E-08	1.17E-09	4.21E-09	5.38E-09	6.32E-10	1.95E-09	2.58E-09
8298	437329.37	3763209.23	7.62E-09	2.60E-08	3.36E-08	1.18E-09	4.24E-09	5.43E-09	6.38E-10	1.97E-09	2.61E-09
8299	437320.57	3763205.61	7.68E-09	2.62E-08	3.39E-08	1.19E-09	4.28E-09	5.48E-09	6.43E-10	1.99E-09	2.63E-09
8300	437311.78	3763201.98	7.75E-09	2.64E-08	3.42E-08	1.20E-09	4.32E-09	5.52E-09	6.49E-10	2.00E-09	2.65E-09
8301	437302.98	3763198.35	7.82E-09	2.67E-08	3.45E-08	1.22E-09	4.36E-09	5.57E-09	6.55E-10	2.02E-09	2.68E-09
8302	437294.19	3763194.72	7.89E-09	2.69E-08	3.48E-08	1.23E-09	4.39E-09	5.62E-09	6.60E-10	2.04E-09	2.70E-09
8303	437285.4	3763191.1	7.96E-09	2.71E-08	3.51E-08	1.24E-09	4.43E-09	5.67E-09	6.66E-10	2.06E-09	2.72E-09
8304	437276.6	3763187.47	8.03E-09	2.74E-08	3.54E-08	1.25E-09	4.47E-09	5.72E-09	6.72E-10	2.07E-09	2.75E-09
8305	437267.81	3763183.84	8.1E-09	2.76E-08	3.57E-08	1.26E-09	4.51E-09	5.77E-09	6.78E-10	2.09E-09	2.77E-09
8306	437259.01	3763180.22	8.17E-09	2.79E-08	3.60E-08	1.27E-09	4.55E-09	5.82E-09	6.84E-10	2.11E-09	2.80E-09
8307	437250.22	3763176.59	8.24E-09	2.81E-08	3.63E-08	1.28E-09	4.59E-09	5.87E-09	6.90E-10	2.13E-09	2.82E-09
8308	437241.42	3763172.96	8.28E-09	2.82E-08	3.65E-08	1.29E-09	4.61E-09	5.90E-09	6.93E-10	2.14E-09	2.83E-09
8309	437232.63	3763169.34	8.31E-09	2.83E-08	3.66E-08	1.29E-09	4.63E-09	5.92E-09	6.95E-10	2.15E-09	2.84E-09
8310	437223.83	3763165.71	8.35E-09	2.85E-08	3.68E-08	1.30E-09	4.65E-09	5.95E-09	6.99E-10	2.16E-09	2.86E-09
8311	437215.04	3763162.08	8.39E-09	2.86E-08	3.70E-08	1.30E-09	4.67E-09	5.98E-09	7.02E-10	2.17E-09	2.87E-09
8312	437206.25	3763158.46	8.43E-09	2.88E-08	3.72E-08	1.31E-09	4.70E-09	6.01E-09	7.06E-10	2.18E-09	2.88E-09
8313	437197.45	3763154.83	8.48E-09	2.89E-08	3.74E-08	1.32E-09	4.72E-09	6.04E-09	7.10E-10	2.19E-09	2.90E-09
8314	437188.66	3763151.2	8.53E-09	2.91E-08	3.76E-08	1.33E-09	4.75E-09	6.08E-09	7.14E-10	2.20E-09	2.92E-09
8315	437144.68	3763133.07	8.82E-09	3.01E-08	3.89E-08	1.37E-09	4.91E-09	6.28E-09	7.38E-10	2.28E-09	3.02E-09
8316	437135.89	3763129.44	8.83E-09	3.01E-08	3.89E-08	1.37E-09	4.92E-09	6.29E-09	7.39E-10	2.28E-09	3.02E-09
8317	437127.09	3763125.82	8.84E-09	3.01E-08	3.90E-08	1.37E-09	4.92E-09	6.30E-09	7.40E-10	2.28E-09	3.02E-09
8318	437118.3	3763122.19	8.83E-09	3.01E-08	3.90E-08	1.37E-09	4.92E-09	6.29E-09	7.39E-10	2.28E-09	3.02E-09
8319	437105.86	3763109.78	9.11E-09	3.11E-08	4.02E-08	1.42E-09	5.07E-09	6.49E-09	7.63E-10	2.35E-09	3.12E-09
8320	437102.22	3763100.99	9.4E-09	3.20E-08	4.14E-08	1.46E-09	5.24E-09	6.70E-09	7.87E-10	2.43E-09	3.22E-09
8321	437098.57	3763092.2	9.69E-09	3.30E-08	4.27E-08	1.51E-09	5.40E-09	6.90E-09	8.11E-10	2.50E-09	3.32E-09
8322	437094.93	3763083.41	9.99E-09	3.40E-08	4.40E-08	1.55E-09	5.56E-09	7.11E-09	8.36E-10	2.58E-09	3.42E-09
8323	437091.28	3763074.63	1.03E-08	3.51E-08	4.53E-08	1.60E-09	5.73E-09	7.32E-09	8.61E-10	2.66E-09	3.52E-09
8324	437087.64	3763065.84	1.06E-08	3.61E-08	4.66E-08	1.64E-09	5.89E-09	7.54E-09	8.85E-10	2.73E-09	3.62E-09
8325	437083.99	3763057.05	1.09E-08	3.71E-08	4.79E-08	1.69E-09	6.06E-09	7.75E-09	9.10E-10	2.81E-09	3.72E-09
8326	437080.35	3763048.27	1.12E-08	3.81E-08	4.92E-08	1.73E-09	6.22E-09	7.95E-09	9.34E-10	2.88E-09	3.82E-09
8327	437076.7	3763039.48	1.14E-08	3.90E-08	5.05E-08	1.78E-09	6.38E-09	8.16E-09	9.58E-10	2.96E-09	3.92E-09
8328	437073.06	3763030.69	1.17E-08	4.00E-08	5.17E-08	1.82E-09	6.53E-09	8.36E-09	9.82E-10	3.03E-09	4.01E-09
8329	437069.41	3763021.91	1.2E-08	4.09E-08	5.29E-08	1.87E-09	6.69E-09	8.55E-09	1.00E-09	3.10E-09	4.11E-09
8330	437065.77	3763013.12	1.23E-08	4.18E-08	5.41E-08	1.91E-09	6.83E-09	8.74E-09	1.03E-09	3.17E-09	4.20E-09
8331	437062.12	3763004.33	1.25E-08	4.27E-08	5.52E-08	1.95E-09	6.98E-09	8.92E-09	1.05E-09	3.24E-09	4.28E-09
8332	437058.48	3762995.54	1.28E-08	4.35E-08	5.63E-08	1.98E-09	7.11E-09	9.09E-09	1.07E-09	3.30E-09	4.37E-09
8333	437054.83	3762986.76	1.3E-08	4.43E-08	5.73E-08	2.02E-09	7.24E-09	9.26E-09	1.09E-09	3.36E-09	4.44E-09
8334	437051.19	3762977.97	1.32E-08	4.50E-08	5.82E-08	2.05E-09	7.35E-09	9.40E-09	1.10E-09	3.41E-09	4.52E-09
8335	437047.54	3762969.18	1.34E-08	4.57E-08	5.91E-08	2.08E-09	7.46E-09	9.54E-09	1.12E-09	3.46E-09	4.58E-09
8336	437043.9	3762960.4	1.36E-08	4.63E-08	5.98E-08	2.11E-09	7.56E-09	9.67E-09	1.14E-09	3.51E-09	4.64E-09
8337	437040.25	3762951.61	1.37E-08	4.68E-08	6.05E-08	2.13E-09	7.64E-09	9.77E-09	1.15E-09	3.54E-09	4.69E-09
8338	437036.61	3762942.82	1.39E-08	4.73E-08	6.11E-08	2.15E-09	7.72E-09	9.87E-09	1.16E-09	3.58E-09	4.74E-09
8339	437032.96	3762934.04	1.4E-08	4.77E-08	6.16E-08	2.17E-09	7.78E-09	9.96E-09	1.17E-09	3.61E-09	4.78E-09
8340	437029.32	3762925.25	1.41E-08	4.80E-08	6.21E-08	2.19E-09	7.84E-09	1.00E-08	1.18E-09	3.64E-09	4.81E-09
8341	437025.67	3762916.46	1.41E-08	4.82E-08	6.24E-08	2.20E-09	7.88E-09	1.01E-08	1.18E-09	3.66E-09	4.84E-09
8342	437364.55	3763223.74	7.37E-09	2.51E-08	3.25E-08	1.15E-09	4.11E-09	5.25E-09	6.17E-10	1.91E-09	2.52E-09
8343	437374.2	3763223.72	7.46E-09	2.54E-08	3.29E-08	1.16E-09	4.16E-09	5.32E-09	6.24E-10	1.93E-09	2.55E-09
8344	437383.85	3763223.7	7.54E-09	2.57E-08	3.32E-08	1.17E-09	4.20E-09	5.37E-09	6.31E-10	1.95E-09	2.58E-09
8345	437422.45	3763223.62	7.81E-09	2.66E-08	3.44E-08	1.21E-09	4.35E-09	5.56E-09	6.54E-10	2.02E-09	2.67E-09
8346	437432.1	3763223.6	7.91E-09	2.70E-08	3.49E-08	1.23E-09	4.40E-09	5.63E-09	6.62E-10	2.04E-09	2.70E-09
8347	437441.75	3763223.58	8.04E-09	2.74E-08	3.54E-08	1.25E-09	4.48E-09	5.73E-09	6.73E-10	2.08E-09	2.75E-09
8348	437451.4	3763223.56	8.17E-09	2.79E-08	3.60E-08	1.27E-09	4.55E-09	5.82E-09	6.84E-10	2.11E-09	2.79E-09
8349	437461.05	3763223.54	8.31E-09	2.83E-08	3.66E-08	1.29E-09	4.63E-09	5.92E-09	6.95E-10	2.15E-09	2.84E-09
8350	437499.65	3763223.46	8.85E-09	3.02E-08	3.90E-08	1.37E-09	4.93E-09	6.30E-09	7.41E-10	2.29E-09	3.03E-09
8351	437509.3	3763223.44	9E-09	3.07E-08	3.97E-08	1.40E-09	5.02E-09	6.41E-09	7.54E-10	2.33E-09	3.08E-09
8352	437518.95	3763223.42	9.17E-09	3.13E-08	4.04E-08	1.42E-09	5.11E-09	6.53E-09	7.67E-10	2.37E-09	3.14E-09
8353	437528.61	3763223.4	9.25E-09	3.16E-08	4.08E-08	1.44E-09	5.15E-09	6.59E-09	7.74E-10	2.39E-09	3.17E-09

8354	437538.26	3763223.38	9.34E-09	3.18E-08	4.12E-08	1.45E-09	5.20E-09	6.65E-09	7.82E-10	2.41E-09	3.19E-09
8355	437547.91	3763223.36	9.44E-09	3.22E-08	4.16E-08	1.47E-09	5.26E-09	6.72E-09	7.90E-10	2.44E-09	3.23E-09
8356	437355.7	3763250.06	6.42E-09	2.19E-08	2.83E-08	9.97E-10	3.58E-09	4.57E-09	5.37E-10	1.66E-09	2.20E-09
8357	437346.78	3763246.39	6.46E-09	2.20E-08	2.85E-08	1.00E-09	3.60E-09	4.61E-09	5.41E-10	1.67E-09	2.21E-09
8358	437337.87	3763242.71	6.51E-09	2.22E-08	2.87E-08	1.01E-09	3.63E-09	4.64E-09	5.45E-10	1.68E-09	2.23E-09
8359	437328.96	3763239.04	6.57E-09	2.24E-08	2.90E-08	1.02E-09	3.66E-09	4.68E-09	5.50E-10	1.70E-09	2.25E-09
8360	437320.04	3763235.36	6.62E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.72E-09	5.54E-10	1.71E-09	2.26E-09
8361	437311.13	3763231.69	6.68E-09	2.28E-08	2.95E-08	1.04E-09	3.72E-09	4.76E-09	5.59E-10	1.73E-09	2.28E-09
8362	437302.22	3763228.01	6.73E-09	2.30E-08	2.97E-08	1.05E-09	3.75E-09	4.80E-09	5.64E-10	1.74E-09	2.30E-09
8363	437293.31	3763224.33	6.79E-09	2.32E-08	2.99E-08	1.06E-09	3.78E-09	4.84E-09	5.68E-10	1.75E-09	2.32E-09
8364	437284.39	3763220.66	6.85E-09	2.34E-08	3.02E-08	1.06E-09	3.81E-09	4.88E-09	5.73E-10	1.77E-09	2.34E-09
8365	437275.48	3763216.98	6.91E-09	2.36E-08	3.05E-08	1.07E-09	3.85E-09	4.92E-09	5.78E-10	1.79E-09	2.36E-09
8366	437266.57	3763213.31	6.97E-09	2.38E-08	3.07E-08	1.08E-09	3.88E-09	4.97E-09	5.83E-10	1.80E-09	2.38E-09
8367	437257.66	3763209.63	7.03E-09	2.40E-08	3.10E-08	1.09E-09	3.92E-09	5.01E-09	5.89E-10	1.82E-09	2.41E-09
8368	437248.74	3763205.96	7.09E-09	2.42E-08	3.13E-08	1.10E-09	3.95E-09	5.05E-09	5.94E-10	1.83E-09	2.43E-09
8369	437239.83	3763202.28	7.16E-09	2.44E-08	3.16E-08	1.11E-09	3.99E-09	5.10E-09	5.99E-10	1.85E-09	2.45E-09
8370	437230.92	3763198.61	7.22E-09	2.46E-08	3.18E-08	1.12E-09	4.02E-09	5.14E-09	6.04E-10	1.87E-09	2.47E-09
8371	437222	3763194.93	7.28E-09	2.48E-08	3.21E-08	1.13E-09	4.05E-09	5.18E-09	6.09E-10	1.88E-09	2.49E-09
8372	437213.09	3763191.25	7.33E-09	2.50E-08	3.23E-08	1.14E-09	4.08E-09	5.22E-09	6.14E-10	1.89E-09	2.51E-09
8373	437204.18	3763187.58	7.38E-09	2.52E-08	3.26E-08	1.15E-09	4.11E-09	5.26E-09	6.18E-10	1.91E-09	2.53E-09
8374	437195.27	3763183.9	7.38E-09	2.52E-08	3.26E-08	1.15E-09	4.11E-09	5.26E-09	6.18E-10	1.91E-09	2.53E-09
8375	437186.35	3763180.23	7.4E-09	2.52E-08	3.26E-08	1.15E-09	4.12E-09	5.27E-09	6.19E-10	1.91E-09	2.53E-09
8376	437141.79	3763161.85	7.64E-09	2.60E-08	3.37E-08	1.19E-09	4.25E-09	5.44E-09	6.39E-10	1.97E-09	2.61E-09
8377	437132.88	3763158.17	7.69E-09	2.62E-08	3.39E-08	1.19E-09	4.28E-09	5.48E-09	6.43E-10	1.99E-09	2.63E-09
8378	437123.97	3763154.5	7.7E-09	2.63E-08	3.40E-08	1.20E-09	4.29E-09	5.49E-09	6.45E-10	1.99E-09	2.64E-09
8379	437115.05	3763150.82	7.72E-09	2.63E-08	3.40E-08	1.20E-09	4.30E-09	5.50E-09	6.46E-10	1.99E-09	2.64E-09
8380	437106.14	3763147.15	7.71E-09	2.63E-08	3.40E-08	1.20E-09	4.30E-09	5.50E-09	6.46E-10	1.99E-09	2.64E-09
8381	437097.23	3763143.47	7.69E-09	2.62E-08	3.39E-08	1.20E-09	4.29E-09	5.48E-09	6.44E-10	1.99E-09	2.63E-09
8382	437084.62	3763130.89	7.9E-09	2.69E-08	3.48E-08	1.23E-09	4.40E-09	5.63E-09	6.61E-10	2.04E-09	2.70E-09
8383	437080.93	3763121.99	8.16E-09	2.78E-08	3.60E-08	1.27E-09	4.55E-09	5.82E-09	6.83E-10	2.11E-09	2.79E-09
8384	437077.23	3763113.08	8.43E-09	2.88E-08	3.72E-08	1.31E-09	4.70E-09	6.01E-09	7.06E-10	2.18E-09	2.88E-09
8385	437073.54	3763104.18	8.68E-09	2.96E-08	3.83E-08	1.35E-09	4.84E-09	6.19E-09	7.27E-10	2.24E-09	2.97E-09
8386	437069.84	3763095.27	8.92E-09	3.04E-08	3.94E-08	1.39E-09	4.97E-09	6.36E-09	7.47E-10	2.31E-09	3.05E-09
8387	437066.15	3763086.37	9.18E-09	3.13E-08	4.05E-08	1.43E-09	5.11E-09	6.54E-09	7.69E-10	2.37E-09	3.14E-09
8388	437062.46	3763077.46	9.44E-09	3.22E-08	4.16E-08	1.47E-09	5.26E-09	6.72E-09	7.90E-10	2.44E-09	3.23E-09
8389	437058.76	3763068.56	9.68E-09	3.30E-08	4.27E-08	1.50E-09	5.39E-09	6.90E-09	8.11E-10	2.50E-09	3.31E-09
8390	437055.07	3763059.65	9.92E-09	3.38E-08	4.38E-08	1.54E-09	5.53E-09	7.07E-09	8.30E-10	2.56E-09	3.39E-09
8391	437051.37	3763050.75	1.01E-08	3.46E-08	4.48E-08	1.58E-09	5.65E-09	7.23E-09	8.49E-10	2.62E-09	3.47E-09
8392	437047.68	3763041.84	1.04E-08	3.54E-08	4.58E-08	1.61E-09	5.79E-09	7.40E-09	8.69E-10	2.68E-09	3.55E-09
8393	437043.99	3763032.94	1.06E-08	3.62E-08	4.68E-08	1.65E-09	5.91E-09	7.56E-09	8.88E-10	2.74E-09	3.63E-09
8394	437040.29	3763024.03	1.08E-08	3.69E-08	4.77E-08	1.68E-09	6.03E-09	7.71E-09	9.06E-10	2.80E-09	3.70E-09
8395	437036.6	3763015.13	1.1E-08	3.77E-08	4.87E-08	1.72E-09	6.15E-09	7.87E-09	9.25E-10	2.85E-09	3.78E-09
8396	437032.9	3763006.22	1.13E-08	3.84E-08	4.96E-08	1.75E-09	6.27E-09	8.02E-09	9.42E-10	2.91E-09	3.85E-09
8397	437029.21	3762997.32	1.14E-08	3.90E-08	5.05E-08	1.78E-09	6.37E-09	8.15E-09	9.58E-10	2.96E-09	3.91E-09
8398	437025.52	3762988.41	1.16E-08	3.96E-08	5.12E-08	1.81E-09	6.47E-09	8.28E-09	9.73E-10	3.00E-09	3.97E-09
8399	437021.82	3762979.51	1.18E-08	4.02E-08	5.19E-08	1.83E-09	6.56E-09	8.39E-09	9.86E-10	3.04E-09	4.03E-09
8400	437018.13	3762970.6	1.19E-08	4.07E-08	5.26E-08	1.85E-09	6.64E-09	8.50E-09	9.98E-10	3.08E-09	4.08E-09
8401	437014.43	3762961.7	1.21E-08	4.11E-08	5.32E-08	1.87E-09	6.72E-09	8.59E-09	1.01E-09	3.12E-09	4.12E-09
8402	437010.74	3762952.79	1.22E-08	4.15E-08	5.37E-08	1.89E-09	6.78E-09	8.67E-09	1.02E-09	3.15E-09	4.16E-09
8403	437007.05	3762943.89	1.23E-08	4.19E-08	5.41E-08	1.91E-09	6.84E-09	8.74E-09	1.03E-09	3.17E-09	4.20E-09
8404	437003.35	3762934.98	1.24E-08	4.21E-08	5.45E-08	1.92E-09	6.88E-09	8.80E-09	1.03E-09	3.19E-09	4.23E-09
8405	436999.66	3762926.08	1.24E-08	4.24E-08	5.48E-08	1.93E-09	6.92E-09	8.85E-09	1.04E-09	3.21E-09	4.25E-09
8406	436995.96	3762917.17	1.25E-08	4.26E-08	5.50E-08	1.94E-09	6.95E-09	8.89E-09	1.04E-09	3.22E-09	4.27E-09
8407	437364.61	3763253.74	6.37E-09	2.17E-08	2.81E-08	9.90E-10	3.55E-09	4.54E-09	5.33E-10	1.65E-09	2.18E-09
8408	437374.26	3763253.72	6.43E-09	2.19E-08	2.84E-08	9.99E-10	3.58E-09	4.58E-09	5.38E-10	1.66E-09	2.20E-09
8409	437383.91	3763253.7	6.48E-09	2.21E-08	2.86E-08	1.01E-09	3.61E-09	4.61E-09	5.42E-10	1.67E-09	2.22E-09
8410	437422.51	3763253.62	6.67E-09	2.28E-08	2.94E-08	1.04E-09	3.72E-09	4.75E-09	5.59E-10	1.72E-09	2.28E-09
8411	437432.16	3763253.6	6.74E-09	2.30E-08	2.97E-08	1.05E-09	3.75E-09	4.80E-09	5.64E-10	1.74E-09	2.30E-09
8412	437441.81	3763253.58	6.84E-09	2.33E-08	3.02E-08	1.06E-09	3.81E-09	4.87E-09	5.73E-10	1.77E-09	2.34E-09
8413	437451.46	3763253.56	6.95E-09	2.37E-08	3.07E-08	1.08E-09	3.87E-09	4.95E-09	5.82E-10	1.80E-09	2.38E-09
8414	437461.11	3763253.54	7.06E-09	2.41E-08	3.11E-08	1.10E-09	3.93E-09	5.03E-09	5.91E-10	1.82E-09	2.42E-09

8415	437470.76	3763253.52	7.15E-09	2.44E-08	3.16E-08	1.11E-09	3.99E-09	5.10E-09	5.99E-10	1.85E-09	2.45E-09
8416	437480.41	3763253.5	7.25E-09	2.47E-08	3.20E-08	1.13E-09	4.04E-09	5.17E-09	6.07E-10	1.87E-09	2.48E-09
8417	437490.07	3763253.48	7.35E-09	2.51E-08	3.24E-08	1.14E-09	4.09E-09	5.24E-09	6.15E-10	1.90E-09	2.51E-09
8418	437499.72	3763253.46	7.46E-09	2.54E-08	3.29E-08	1.16E-09	4.15E-09	5.31E-09	6.24E-10	1.93E-09	2.55E-09
8419	437509.37	3763253.44	7.57E-09	2.58E-08	3.34E-08	1.18E-09	4.21E-09	5.39E-09	6.33E-10	1.95E-09	2.59E-09
8420	437519.02	3763253.42	7.68E-09	2.62E-08	3.39E-08	1.19E-09	4.28E-09	5.47E-09	6.43E-10	1.98E-09	2.63E-09
8421	437528.67	3763253.4	7.78E-09	2.65E-08	3.43E-08	1.21E-09	4.33E-09	5.54E-09	6.51E-10	2.01E-09	2.66E-09
8422	437538.32	3763253.38	7.89E-09	2.69E-08	3.48E-08	1.23E-09	4.39E-09	5.62E-09	6.60E-10	2.04E-09	2.70E-09
8423	437547.97	3763253.36	8E-09	2.73E-08	3.53E-08	1.24E-09	4.45E-09	5.70E-09	6.69E-10	2.07E-09	2.74E-09
8424	437355.92	3763280.13	5.52E-09	1.88E-08	2.43E-08	8.57E-10	3.07E-09	3.93E-09	4.62E-10	1.43E-09	1.89E-09
8425	437347.17	3763276.52	5.57E-09	1.90E-08	2.45E-08	8.65E-10	3.10E-09	3.96E-09	4.66E-10	1.44E-09	1.90E-09
8426	437338.42	3763272.91	5.62E-09	1.92E-08	2.48E-08	8.73E-10	3.13E-09	4.00E-09	4.70E-10	1.45E-09	1.92E-09
8427	437329.66	3763269.3	5.69E-09	1.94E-08	2.51E-08	8.83E-10	3.17E-09	4.05E-09	4.76E-10	1.47E-09	1.94E-09
8428	437320.91	3763265.69	5.76E-09	1.96E-08	2.54E-08	8.95E-10	3.21E-09	4.10E-09	4.82E-10	1.49E-09	1.97E-09
8429	437312.16	3763262.08	5.8E-09	1.98E-08	2.56E-08	9.01E-10	3.23E-09	4.13E-09	4.86E-10	1.50E-09	1.98E-09
8430	437303.41	3763258.48	5.85E-09	1.99E-08	2.58E-08	9.08E-10	3.26E-09	4.16E-09	4.89E-10	1.51E-09	2.00E-09
8431	437294.66	3763254.87	5.89E-09	2.01E-08	2.60E-08	9.15E-10	3.28E-09	4.20E-09	4.93E-10	1.52E-09	2.02E-09
8432	437285.91	3763251.26	5.94E-09	2.03E-08	2.62E-08	9.23E-10	3.31E-09	4.23E-09	4.97E-10	1.53E-09	2.03E-09
8433	437277.16	3763247.65	5.99E-09	2.04E-08	2.64E-08	9.30E-10	3.34E-09	4.27E-09	5.01E-10	1.55E-09	2.05E-09
8434	437268.41	3763244.04	6.04E-09	2.06E-08	2.66E-08	9.38E-10	3.36E-09	4.30E-09	5.05E-10	1.56E-09	2.07E-09
8435	437259.65	3763240.43	6.09E-09	2.08E-08	2.69E-08	9.47E-10	3.39E-09	4.34E-09	5.10E-10	1.57E-09	2.08E-09
8436	437250.9	3763236.82	6.15E-09	2.10E-08	2.71E-08	9.55E-10	3.42E-09	4.38E-09	5.14E-10	1.59E-09	2.10E-09
8437	437242.15	3763233.21	6.2E-09	2.11E-08	2.73E-08	9.63E-10	3.45E-09	4.42E-09	5.19E-10	1.60E-09	2.12E-09
8438	437233.4	3763229.6	6.25E-09	2.13E-08	2.76E-08	9.72E-10	3.48E-09	4.46E-09	5.24E-10	1.62E-09	2.14E-09
8439	437224.65	3763225.99	6.31E-09	2.15E-08	2.78E-08	9.80E-10	3.51E-09	4.49E-09	5.28E-10	1.63E-09	2.16E-09
8440	437215.9	3763222.39	6.36E-09	2.17E-08	2.80E-08	9.88E-10	3.54E-09	4.53E-09	5.32E-10	1.64E-09	2.17E-09
8441	437207.15	3763218.78	6.4E-09	2.18E-08	2.82E-08	9.95E-10	3.57E-09	4.56E-09	5.36E-10	1.65E-09	2.19E-09
8442	437198.39	3763215.17	6.45E-09	2.20E-08	2.84E-08	1.00E-09	3.59E-09	4.60E-09	5.40E-10	1.67E-09	2.21E-09
8443	437189.64	3763211.56	6.49E-09	2.21E-08	2.86E-08	1.01E-09	3.62E-09	4.63E-09	5.44E-10	1.68E-09	2.22E-09
8444	437180.89	3763207.95	6.54E-09	2.23E-08	2.88E-08	1.02E-09	3.64E-09	4.66E-09	5.47E-10	1.69E-09	2.24E-09
8445	437145.89	3763193.51	6.68E-09	2.28E-08	2.95E-08	1.04E-09	3.72E-09	4.76E-09	5.59E-10	1.73E-09	2.29E-09
8446	437137.13	3763189.9	6.71E-09	2.29E-08	2.96E-08	1.04E-09	3.74E-09	4.78E-09	5.62E-10	1.73E-09	2.30E-09
8447	437128.38	3763186.3	6.74E-09	2.30E-08	2.97E-08	1.05E-09	3.75E-09	4.80E-09	5.64E-10	1.74E-09	2.31E-09
8448	437119.63	3763182.69	6.76E-09	2.31E-08	2.98E-08	1.05E-09	3.77E-09	4.82E-09	5.66E-10	1.75E-09	2.31E-09
8449	437110.88	3763179.08	6.77E-09	2.31E-08	2.99E-08	1.05E-09	3.77E-09	4.82E-09	5.67E-10	1.75E-09	2.32E-09
8450	437102.13	3763175.47	6.78E-09	2.31E-08	2.99E-08	1.05E-09	3.78E-09	4.83E-09	5.67E-10	1.75E-09	2.32E-09
8451	437093.38	3763171.86	6.78E-09	2.31E-08	2.99E-08	1.05E-09	3.78E-09	4.83E-09	5.67E-10	1.75E-09	2.32E-09
8452	437084.63	3763168.25	6.77E-09	2.31E-08	2.98E-08	1.05E-09	3.77E-09	4.82E-09	5.66E-10	1.75E-09	2.32E-09
8453	437075.87	3763164.64	6.75E-09	2.30E-08	2.98E-08	1.05E-09	3.76E-09	4.81E-09	5.65E-10	1.74E-09	2.31E-09
8454	437063.5	3763152.29	6.93E-09	2.36E-08	3.05E-08	1.08E-09	3.86E-09	4.93E-09	5.80E-10	1.79E-09	2.37E-09
8455	437059.87	3763143.54	7.13E-09	2.43E-08	3.14E-08	1.11E-09	3.97E-09	5.08E-09	5.96E-10	1.84E-09	2.44E-09
8456	437056.24	3763134.8	7.35E-09	2.51E-08	3.24E-08	1.14E-09	4.09E-09	5.24E-09	6.15E-10	1.90E-09	2.51E-09
8457	437052.61	3763126.06	7.59E-09	2.59E-08	3.35E-08	1.18E-09	4.23E-09	5.41E-09	6.35E-10	1.96E-09	2.60E-09
8458	437048.99	3763117.31	7.82E-09	2.67E-08	3.45E-08	1.22E-09	4.36E-09	5.57E-09	6.55E-10	2.02E-09	2.68E-09
8459	437045.36	3763108.57	8.03E-09	2.74E-08	3.54E-08	1.25E-09	4.47E-09	5.72E-09	6.72E-10	2.07E-09	2.75E-09
8460	437041.73	3763099.83	8.23E-09	2.81E-08	3.63E-08	1.28E-09	4.59E-09	5.87E-09	6.89E-10	2.13E-09	2.82E-09
8461	437038.11	3763091.08	8.44E-09	2.88E-08	3.72E-08	1.31E-09	4.70E-09	6.01E-09	7.06E-10	2.18E-09	2.89E-09
8462	437034.48	3763082.34	8.64E-09	2.95E-08	3.81E-08	1.34E-09	4.81E-09	6.16E-09	7.23E-10	2.23E-09	2.96E-09
8463	437030.85	3763073.59	8.84E-09	3.01E-08	3.90E-08	1.37E-09	4.92E-09	6.30E-09	7.40E-10	2.28E-09	3.02E-09
8464	437027.22	3763064.85	9.03E-09	3.08E-08	3.98E-08	1.40E-09	5.03E-09	6.44E-09	7.56E-10	2.33E-09	3.09E-09
8465	437023.6	3763056.11	9.22E-09	3.15E-08	4.07E-08	1.43E-09	5.14E-09	6.57E-09	7.72E-10	2.38E-09	3.16E-09
8466	437019.97	3763047.36	9.41E-09	3.21E-08	4.15E-08	1.46E-09	5.24E-09	6.71E-09	7.88E-10	2.43E-09	3.22E-09
8467	437016.34	3763038.62	9.59E-09	3.27E-08	4.23E-08	1.49E-09	5.34E-09	6.83E-09	8.03E-10	2.48E-09	3.28E-09
8468	437012.72	3763029.87	9.76E-09	3.33E-08	4.31E-08	1.52E-09	5.44E-09	6.96E-09	8.17E-10	2.52E-09	3.34E-09
8469	437009.09	3763021.13	9.91E-09	3.38E-08	4.37E-08	1.54E-09	5.52E-09	7.06E-09	8.30E-10	2.56E-09	3.39E-09
8470	437005.46	3763012.39	1.01E-08	3.44E-08	4.45E-08	1.57E-09	5.62E-09	7.19E-09	8.44E-10	2.61E-09	3.45E-09
8471	437001.83	3763003.64	1.02E-08	3.49E-08	4.51E-08	1.59E-09	5.70E-09	7.29E-09	8.57E-10	2.64E-09	3.50E-09
8472	436998.21	3762994.9	1.04E-08	3.54E-08	4.57E-08	1.61E-09	5.78E-09	7.39E-09	8.68E-10	2.68E-09	3.55E-09
8473	436994.58	3762986.15	1.05E-08	3.58E-08	4.63E-08	1.63E-09	5.85E-09	7.48E-09	8.79E-10	2.71E-09	3.59E-09
8474	436990.95	3762977.41	1.06E-08	3.62E-08	4.68E-08	1.65E-09	5.91E-09	7.56E-09	8.89E-10	2.74E-09	3.63E-09
8475	436987.33	3762968.67	1.07E-08	3.66E-08	4.73E-08	1.67E-09	5.97E-09	7.64E-09	8.97E-10	2.77E-09	3.67E-09

8476	436983.7	3762959.92	1.08E-08	3.69E-08	4.77E-08	1.68E-09	6.02E-09	7.71E-09	9.05E-10	2.79E-09	3.70E-09
8477	436980.07	3762951.18	1.09E-08	3.72E-08	4.80E-08	1.69E-09	6.07E-09	7.76E-09	9.12E-10	2.82E-09	3.73E-09
8478	436976.44	3762942.44	1.1E-08	3.74E-08	4.83E-08	1.70E-09	6.11E-09	7.81E-09	9.17E-10	2.83E-09	3.75E-09
8479	436972.82	3762933.69	1.1E-08	3.76E-08	4.86E-08	1.71E-09	6.14E-09	7.85E-09	9.22E-10	2.85E-09	3.77E-09
8480	436969.19	3762924.95	1.11E-08	3.77E-08	4.88E-08	1.72E-09	6.16E-09	7.88E-09	9.25E-10	2.86E-09	3.78E-09
8481	436965.56	3762916.2	1.11E-08	3.78E-08	4.89E-08	1.72E-09	6.17E-09	7.90E-09	9.28E-10	2.86E-09	3.79E-09
8482	436961.94	3762907.46	1.11E-08	3.79E-08	4.90E-08	1.72E-09	6.18E-09	7.91E-09	9.29E-10	2.87E-09	3.80E-09
8483	436958.31	3762898.72	1.11E-08	3.79E-08	4.90E-08	1.73E-09	6.19E-09	7.91E-09	9.29E-10	2.87E-09	3.80E-09
8484	437364.67	3763283.74	5.47E-09	1.87E-08	2.41E-08	8.51E-10	3.05E-09	3.90E-09	4.58E-10	1.41E-09	1.87E-09
8485	437374.32	3763283.72	5.53E-09	1.89E-08	2.44E-08	8.59E-10	3.08E-09	3.94E-09	4.63E-10	1.43E-09	1.89E-09
8486	437383.97	3763283.7	5.59E-09	1.91E-08	2.46E-08	8.68E-10	3.11E-09	3.98E-09	4.68E-10	1.44E-09	1.91E-09
8487	437393.62	3763283.68	5.65E-09	1.93E-08	2.49E-08	8.78E-10	3.15E-09	4.02E-09	4.73E-10	1.46E-09	1.93E-09
8488	437403.27	3763283.66	5.7E-09	1.95E-08	2.52E-08	8.86E-10	3.18E-09	4.06E-09	4.77E-10	1.47E-09	1.95E-09
8489	437412.92	3763283.64	5.75E-09	1.96E-08	2.54E-08	8.94E-10	3.20E-09	4.10E-09	4.81E-10	1.49E-09	1.97E-09
8490	437422.57	3763283.62	5.8E-09	1.98E-08	2.56E-08	9.01E-10	3.23E-09	4.13E-09	4.86E-10	1.50E-09	1.98E-09
8491	437432.22	3763283.6	5.86E-09	2.00E-08	2.58E-08	9.10E-10	3.26E-09	4.17E-09	4.90E-10	1.51E-09	2.00E-09
8492	437441.87	3763283.58	5.95E-09	2.03E-08	2.62E-08	9.24E-10	3.31E-09	4.24E-09	4.98E-10	1.54E-09	2.03E-09
8493	437451.53	3763283.56	6.03E-09	2.06E-08	2.66E-08	9.38E-10	3.36E-09	4.30E-09	5.05E-10	1.56E-09	2.06E-09
8494	437461.18	3763283.54	6.12E-09	2.09E-08	2.70E-08	9.51E-10	3.41E-09	4.36E-09	5.13E-10	1.58E-09	2.09E-09
8495	437470.83	3763283.52	6.2E-09	2.11E-08	2.73E-08	9.63E-10	3.45E-09	4.42E-09	5.19E-10	1.60E-09	2.12E-09
8496	437480.48	3763283.5	6.28E-09	2.14E-08	2.77E-08	9.75E-10	3.50E-09	4.47E-09	5.25E-10	1.62E-09	2.15E-09
8497	437490.13	3763283.48	6.36E-09	2.17E-08	2.80E-08	9.88E-10	3.54E-09	4.53E-09	5.32E-10	1.64E-09	2.17E-09
8498	437499.78	3763283.46	6.42E-09	2.19E-08	2.83E-08	9.98E-10	3.58E-09	4.58E-09	5.38E-10	1.66E-09	2.20E-09
8499	437509.43	3763283.44	6.49E-09	2.21E-08	2.86E-08	1.01E-09	3.62E-09	4.62E-09	5.43E-10	1.68E-09	2.22E-09
8500	437519.08	3763283.42	6.56E-09	2.24E-08	2.89E-08	1.02E-09	3.66E-09	4.68E-09	5.49E-10	1.70E-09	2.24E-09
8501	437528.73	3763283.4	6.65E-09	2.27E-08	2.93E-08	1.03E-09	3.70E-09	4.74E-09	5.56E-10	1.72E-09	2.27E-09
8502	437538.38	3763283.38	6.74E-09	2.30E-08	2.97E-08	1.05E-09	3.75E-09	4.80E-09	5.64E-10	1.74E-09	2.31E-09
8503	437548.03	3763283.36	6.83E-09	2.33E-08	3.01E-08	1.06E-09	3.81E-09	4.87E-09	5.72E-10	1.77E-09	2.34E-09
8504	437355.88	3763310.09	4.82E-09	1.64E-08	2.13E-08	7.49E-10	2.69E-09	3.43E-09	4.04E-10	1.25E-09	1.65E-09
8505	437347.02	3763306.44	4.85E-09	1.65E-08	2.14E-08	7.54E-10	2.70E-09	3.46E-09	4.06E-10	1.25E-09	1.66E-09
8506	437338.17	3763302.78	4.89E-09	1.67E-08	2.16E-08	7.60E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
8507	437329.31	3763299.13	4.94E-09	1.68E-08	2.18E-08	7.67E-10	2.75E-09	3.52E-09	4.13E-10	1.28E-09	1.69E-09
8508	437320.45	3763295.48	4.99E-09	1.70E-08	2.20E-08	7.75E-10	2.78E-09	3.55E-09	4.17E-10	1.29E-09	1.71E-09
8509	437311.6	3763291.83	5.04E-09	1.72E-08	2.22E-08	7.83E-10	2.81E-09	3.59E-09	4.22E-10	1.30E-09	1.72E-09
8510	437302.74	3763288.18	5.08E-09	1.73E-08	2.24E-08	7.90E-10	2.83E-09	3.62E-09	4.25E-10	1.31E-09	1.74E-09
8511	437293.89	3763284.52	5.13E-09	1.75E-08	2.26E-08	7.97E-10	2.86E-09	3.65E-09	4.29E-10	1.32E-09	1.75E-09
8512	437285.03	3763280.87	5.17E-09	1.76E-08	2.28E-08	8.03E-10	2.88E-09	3.68E-09	4.33E-10	1.34E-09	1.77E-09
8513	437276.18	3763277.22	5.22E-09	1.78E-08	2.30E-08	8.11E-10	2.91E-09	3.72E-09	4.37E-10	1.35E-09	1.79E-09
8514	437267.32	3763273.57	5.28E-09	1.80E-08	2.33E-08	8.21E-10	2.94E-09	3.76E-09	4.42E-10	1.36E-09	1.81E-09
8515	437258.47	3763269.92	5.34E-09	1.82E-08	2.35E-08	8.30E-10	2.97E-09	3.80E-09	4.47E-10	1.38E-09	1.83E-09
8516	437249.61	3763266.26	5.38E-09	1.84E-08	2.37E-08	8.37E-10	3.00E-09	3.84E-09	4.51E-10	1.39E-09	1.84E-09
8517	437240.75	3763262.61	5.43E-09	1.85E-08	2.40E-08	8.44E-10	3.03E-09	3.87E-09	4.55E-10	1.40E-09	1.86E-09
8518	437231.9	3763258.96	5.48E-09	1.87E-08	2.42E-08	8.51E-10	3.05E-09	3.90E-09	4.59E-10	1.42E-09	1.87E-09
8519	437223.04	3763255.31	5.53E-09	1.88E-08	2.44E-08	8.59E-10	3.08E-09	3.94E-09	4.63E-10	1.43E-09	1.89E-09
8520	437214.19	3763251.66	5.57E-09	1.90E-08	2.46E-08	8.66E-10	3.10E-09	3.97E-09	4.66E-10	1.44E-09	1.91E-09
8521	437205.33	3763248	5.62E-09	1.92E-08	2.48E-08	8.73E-10	3.13E-09	4.00E-09	4.70E-10	1.45E-09	1.92E-09
8522	437196.48	3763244.35	5.66E-09	1.93E-08	2.50E-08	8.79E-10	3.15E-09	4.03E-09	4.74E-10	1.46E-09	1.94E-09
8523	437187.62	3763240.7	5.7E-09	1.94E-08	2.51E-08	8.86E-10	3.18E-09	4.06E-09	4.77E-10	1.47E-09	1.95E-09
8524	437143.34	3763222.44	5.88E-09	2.01E-08	2.59E-08	9.14E-10	3.28E-09	4.19E-09	4.92E-10	1.52E-09	2.01E-09
8525	437134.49	3763218.79	5.91E-09	2.02E-08	2.61E-08	9.19E-10	3.29E-09	4.21E-09	4.95E-10	1.53E-09	2.02E-09
8526	437125.63	3763215.14	5.94E-09	2.03E-08	2.62E-08	9.23E-10	3.31E-09	4.23E-09	4.97E-10	1.54E-09	2.03E-09
8527	437116.78	3763211.48	5.97E-09	2.03E-08	2.63E-08	9.27E-10	3.32E-09	4.25E-09	4.99E-10	1.54E-09	2.04E-09
8528	437107.92	3763207.83	5.99E-09	2.04E-08	2.64E-08	9.31E-10	3.34E-09	4.27E-09	5.01E-10	1.55E-09	2.05E-09
8529	437099.07	3763204.18	6E-09	2.04E-08	2.64E-08	9.32E-10	3.34E-09	4.27E-09	5.02E-10	1.55E-09	2.05E-09
8530	437090.21	3763200.53	6E-09	2.05E-08	2.65E-08	9.32E-10	3.34E-09	4.27E-09	5.02E-10	1.55E-09	2.05E-09
8531	437081.35	3763196.88	6E-09	2.05E-08	2.65E-08	9.32E-10	3.34E-09	4.27E-09	5.02E-10	1.55E-09	2.05E-09
8532	437072.5	3763193.22	6E-09	2.05E-08	2.65E-08	9.32E-10	3.34E-09	4.27E-09	5.02E-10	1.55E-09	2.05E-09
8533	437063.64	3763189.57	6E-09	2.05E-08	2.65E-08	9.33E-10	3.34E-09	4.28E-09	5.02E-10	1.55E-09	2.05E-09
8534	437054.79	3763185.92	6.01E-09	2.05E-08	2.65E-08	9.34E-10	3.35E-09	4.28E-09	5.03E-10	1.55E-09	2.06E-09
8535	437042.26	3763173.42	6.18E-09	2.11E-08	2.72E-08	9.60E-10	3.44E-09	4.40E-09	5.17E-10	1.60E-09	2.11E-09
8536	437038.59	3763164.57	6.35E-09	2.17E-08	2.80E-08	9.87E-10	3.54E-09	4.53E-09	5.32E-10	1.64E-09	2.17E-09

8537	437034.92	3763155.72	6.54E-09	2.23E-08	2.89E-08	1.02E-09	3.64E-09	4.66E-09	5.48E-10	1.69E-09	2.24E-09
8538	437031.25	3763146.88	6.74E-09	2.30E-08	2.97E-08	1.05E-09	3.75E-09	4.80E-09	5.64E-10	1.74E-09	2.31E-09
8539	437027.58	3763138.03	6.93E-09	2.36E-08	3.05E-08	1.08E-09	3.86E-09	4.93E-09	5.80E-10	1.79E-09	2.37E-09
8540	437023.91	3763129.18	7.1E-09	2.42E-08	3.13E-08	1.10E-09	3.96E-09	5.06E-09	5.95E-10	1.84E-09	2.43E-09
8541	437020.24	3763120.33	7.28E-09	2.48E-08	3.21E-08	1.13E-09	4.06E-09	5.19E-09	6.10E-10	1.88E-09	2.49E-09
8542	437016.57	3763111.48	7.46E-09	2.54E-08	3.29E-08	1.16E-09	4.16E-09	5.31E-09	6.24E-10	1.93E-09	2.55E-09
8543	437012.9	3763102.64	7.63E-09	2.60E-08	3.37E-08	1.19E-09	4.25E-09	5.44E-09	6.39E-10	1.97E-09	2.61E-09
8544	437009.23	3763093.79	7.81E-09	2.66E-08	3.44E-08	1.21E-09	4.35E-09	5.56E-09	6.53E-10	2.02E-09	2.67E-09
8545	437005.56	3763084.94	7.98E-09	2.72E-08	3.52E-08	1.24E-09	4.44E-09	5.68E-09	6.68E-10	2.06E-09	2.73E-09
8546	437001.89	3763076.09	8.14E-09	2.78E-08	3.59E-08	1.27E-09	4.54E-09	5.80E-09	6.82E-10	2.10E-09	2.79E-09
8547	436998.22	3763067.24	8.3E-09	2.83E-08	3.66E-08	1.29E-09	4.63E-09	5.92E-09	6.95E-10	2.15E-09	2.84E-09
8548	436994.55	3763058.4	8.46E-09	2.88E-08	3.73E-08	1.31E-09	4.71E-09	6.03E-09	7.08E-10	2.19E-09	2.89E-09
8549	436990.88	3763049.55	8.61E-09	2.94E-08	3.80E-08	1.34E-09	4.80E-09	6.14E-09	7.21E-10	2.23E-09	2.95E-09
8550	436987.21	3763040.7	8.76E-09	2.99E-08	3.86E-08	1.36E-09	4.88E-09	6.24E-09	7.33E-10	2.26E-09	3.00E-09
8551	436983.54	3763031.85	8.9E-09	3.03E-08	3.92E-08	1.38E-09	4.96E-09	6.34E-09	7.45E-10	2.30E-09	3.04E-09
8552	436979.87	3763023	9.02E-09	3.07E-08	3.98E-08	1.40E-09	5.02E-09	6.42E-09	7.55E-10	2.33E-09	3.08E-09
8553	436976.2	3763014.16	9.15E-09	3.12E-08	4.04E-08	1.42E-09	5.10E-09	6.52E-09	7.66E-10	2.36E-09	3.13E-09
8554	436972.53	3763005.31	9.27E-09	3.16E-08	4.09E-08	1.44E-09	5.16E-09	6.60E-09	7.76E-10	2.39E-09	3.17E-09
8555	436968.85	3762996.46	9.38E-09	3.20E-08	4.14E-08	1.46E-09	5.22E-09	6.68E-09	7.85E-10	2.42E-09	3.21E-09
8556	436965.18	3762987.61	9.48E-09	3.23E-08	4.18E-08	1.47E-09	5.28E-09	6.75E-09	7.93E-10	2.45E-09	3.24E-09
8557	436961.51	3762978.76	9.57E-09	3.26E-08	4.22E-08	1.49E-09	5.33E-09	6.82E-09	8.01E-10	2.47E-09	3.27E-09
8558	436957.84	3762969.92	9.65E-09	3.29E-08	4.25E-08	1.50E-09	5.37E-09	6.87E-09	8.07E-10	2.49E-09	3.30E-09
8559	436954.17	3762961.07	9.72E-09	3.31E-08	4.28E-08	1.51E-09	5.41E-09	6.92E-09	8.13E-10	2.51E-09	3.32E-09
8560	436950.5	3762952.22	9.77E-09	3.33E-08	4.31E-08	1.52E-09	5.44E-09	6.96E-09	8.18E-10	2.53E-09	3.34E-09
8561	436946.83	3762943.37	9.82E-09	3.35E-08	4.33E-08	1.53E-09	5.47E-09	7.00E-09	8.22E-10	2.54E-09	3.36E-09
8562	436943.16	3762934.52	9.85E-09	3.36E-08	4.35E-08	1.53E-09	5.49E-09	7.02E-09	8.25E-10	2.55E-09	3.37E-09
8563	436939.49	3762925.68	9.88E-09	3.37E-08	4.36E-08	1.53E-09	5.50E-09	7.04E-09	8.27E-10	2.55E-09	3.38E-09
8564	436935.82	3762916.83	9.89E-09	3.37E-08	4.36E-08	1.54E-09	5.51E-09	7.05E-09	8.28E-10	2.56E-09	3.38E-09
8565	436932.15	3762907.98	9.9E-09	3.38E-08	4.37E-08	1.54E-09	5.51E-09	7.05E-09	8.29E-10	2.56E-09	3.39E-09
8566	436928.48	3762899.13	9.9E-09	3.37E-08	4.36E-08	1.54E-09	5.51E-09	7.05E-09	8.28E-10	2.56E-09	3.39E-09
8567	437364.73	3763313.74	4.79E-09	1.63E-08	2.11E-08	7.44E-10	2.67E-09	3.41E-09	4.01E-10	1.24E-09	1.64E-09
8568	437374.38	3763313.72	4.84E-09	1.65E-08	2.13E-08	7.52E-10	2.70E-09	3.45E-09	4.05E-10	1.25E-09	1.66E-09
8569	437384.03	3763313.7	4.89E-09	1.67E-08	2.16E-08	7.60E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
8570	437393.68	3763313.68	4.94E-09	1.69E-08	2.18E-08	7.68E-10	2.75E-09	3.52E-09	4.14E-10	1.28E-09	1.69E-09
8571	437403.33	3763313.66	5E-09	1.70E-08	2.20E-08	7.77E-10	2.78E-09	3.56E-09	4.18E-10	1.29E-09	1.71E-09
8572	437412.99	3763313.64	5.06E-09	1.73E-08	2.23E-08	7.86E-10	2.82E-09	3.60E-09	4.24E-10	1.31E-09	1.73E-09
8573	437422.64	3763313.62	5.12E-09	1.75E-08	2.26E-08	7.96E-10	2.85E-09	3.65E-09	4.29E-10	1.32E-09	1.75E-09
8574	437432.29	3763313.6	5.19E-09	1.77E-08	2.29E-08	8.06E-10	2.89E-09	3.70E-09	4.34E-10	1.34E-09	1.77E-09
8575	437441.94	3763313.58	5.25E-09	1.79E-08	2.31E-08	8.16E-10	2.92E-09	3.74E-09	4.39E-10	1.36E-09	1.80E-09
8576	437451.59	3763313.56	5.31E-09	1.81E-08	2.34E-08	8.25E-10	2.96E-09	3.78E-09	4.45E-10	1.37E-09	1.82E-09
8577	437461.24	3763313.54	5.38E-09	1.83E-08	2.37E-08	8.35E-10	2.99E-09	3.83E-09	4.50E-10	1.39E-09	1.84E-09
8578	437470.89	3763313.52	5.44E-09	1.85E-08	2.40E-08	8.45E-10	3.03E-09	3.87E-09	4.55E-10	1.41E-09	1.86E-09
8579	437480.54	3763313.5	5.5E-09	1.88E-08	2.43E-08	8.55E-10	3.06E-09	3.92E-09	4.60E-10	1.42E-09	1.88E-09
8580	437490.19	3763313.48	5.57E-09	1.90E-08	2.45E-08	8.65E-10	3.10E-09	3.96E-09	4.66E-10	1.44E-09	1.90E-09
8581	437499.84	3763313.46	5.62E-09	1.92E-08	2.48E-08	8.73E-10	3.13E-09	4.00E-09	4.70E-10	1.45E-09	1.92E-09
8582	437509.49	3763313.44	5.67E-09	1.93E-08	2.50E-08	8.81E-10	3.16E-09	4.04E-09	4.75E-10	1.46E-09	1.94E-09
8583	437519.14	3763313.42	5.72E-09	1.95E-08	2.52E-08	8.89E-10	3.19E-09	4.08E-09	4.79E-10	1.48E-09	1.96E-09
8584	437528.79	3763313.4	5.78E-09	1.97E-08	2.55E-08	8.99E-10	3.22E-09	4.12E-09	4.84E-10	1.49E-09	1.98E-09
8585	437538.44	3763313.38	5.84E-09	1.99E-08	2.58E-08	9.08E-10	3.25E-09	4.16E-09	4.89E-10	1.51E-09	2.00E-09
8586	437548.09	3763313.36	5.91E-09	2.01E-08	2.60E-08	9.18E-10	3.29E-09	4.21E-09	4.94E-10	1.53E-09	2.02E-09
8587	437356.08	3763340.14	4.29E-09	1.46E-08	1.89E-08	6.66E-10	2.39E-09	3.05E-09	3.59E-10	1.11E-09	1.47E-09
8588	437347.36	3763336.55	4.31E-09	1.47E-08	1.90E-08	6.69E-10	2.40E-09	3.07E-09	3.61E-10	1.11E-09	1.47E-09
8589	437338.64	3763332.95	4.33E-09	1.48E-08	1.91E-08	6.73E-10	2.41E-09	3.09E-09	3.63E-10	1.12E-09	1.48E-09
8590	437329.92	3763329.36	4.36E-09	1.49E-08	1.92E-08	6.78E-10	2.43E-09	3.11E-09	3.65E-10	1.13E-09	1.49E-09
8591	437321.2	3763325.76	4.4E-09	1.50E-08	1.94E-08	6.83E-10	2.45E-09	3.13E-09	3.68E-10	1.14E-09	1.50E-09
8592	437312.48	3763322.16	4.43E-09	1.51E-08	1.96E-08	6.89E-10	2.47E-09	3.16E-09	3.71E-10	1.15E-09	1.52E-09
8593	437303.76	3763318.57	4.47E-09	1.52E-08	1.97E-08	6.94E-10	2.49E-09	3.18E-09	3.74E-10	1.15E-09	1.53E-09
8594	437295.04	3763314.97	4.5E-09	1.53E-08	1.99E-08	6.99E-10	2.51E-09	3.21E-09	3.77E-10	1.16E-09	1.54E-09
8595	437286.32	3763311.38	4.54E-09	1.55E-08	2.00E-08	7.05E-10	2.53E-09	3.23E-09	3.80E-10	1.17E-09	1.55E-09
8596	437277.6	3763307.78	4.57E-09	1.56E-08	2.02E-08	7.11E-10	2.55E-09	3.26E-09	3.83E-10	1.18E-09	1.56E-09
8597	437268.88	3763304.19	4.62E-09	1.57E-08	2.04E-08	7.17E-10	2.57E-09	3.29E-09	3.86E-10	1.19E-09	1.58E-09

8598	437260.16	3763300.59	4.66E-09	1.59E-08	2.06E-08	7.25E-10	2.60E-09	3.32E-09	3.90E-10	1.21E-09	1.60E-09
8599	437251.44	3763296.99	4.72E-09	1.61E-08	2.08E-08	7.33E-10	2.63E-09	3.36E-09	3.95E-10	1.22E-09	1.61E-09
8600	437242.72	3763293.4	4.76E-09	1.62E-08	2.10E-08	7.40E-10	2.65E-09	3.39E-09	3.99E-10	1.23E-09	1.63E-09
8601	437234	3763289.8	4.81E-09	1.64E-08	2.12E-08	7.48E-10	2.68E-09	3.43E-09	4.03E-10	1.24E-09	1.65E-09
8602	437225.29	3763286.21	4.86E-09	1.66E-08	2.14E-08	7.55E-10	2.71E-09	3.46E-09	4.07E-10	1.26E-09	1.66E-09
8603	437216.57	3763282.61	4.9E-09	1.67E-08	2.16E-08	7.61E-10	2.73E-09	3.49E-09	4.10E-10	1.27E-09	1.68E-09
8604	437207.85	3763279.01	4.94E-09	1.68E-08	2.18E-08	7.67E-10	2.75E-09	3.52E-09	4.13E-10	1.28E-09	1.69E-09
8605	437199.13	3763275.42	4.98E-09	1.70E-08	2.19E-08	7.73E-10	2.77E-09	3.55E-09	4.17E-10	1.29E-09	1.70E-09
8606	437190.41	3763271.82	5.02E-09	1.71E-08	2.21E-08	7.79E-10	2.79E-09	3.57E-09	4.20E-10	1.30E-09	1.72E-09
8607	437181.69	3763268.23	5.05E-09	1.72E-08	2.23E-08	7.85E-10	2.81E-09	3.60E-09	4.23E-10	1.31E-09	1.73E-09
8608	437146.81	3763253.84	5.19E-09	1.77E-08	2.29E-08	8.06E-10	2.89E-09	3.70E-09	4.34E-10	1.34E-09	1.77E-09
8609	437138.09	3763250.25	5.22E-09	1.78E-08	2.30E-08	8.11E-10	2.91E-09	3.72E-09	4.37E-10	1.35E-09	1.79E-09
8610	437129.37	3763246.65	5.25E-09	1.79E-08	2.31E-08	8.16E-10	2.92E-09	3.74E-09	4.39E-10	1.36E-09	1.80E-09
8611	437120.65	3763243.06	5.28E-09	1.80E-08	2.33E-08	8.20E-10	2.94E-09	3.76E-09	4.42E-10	1.36E-09	1.81E-09
8612	437111.93	3763239.46	5.3E-09	1.81E-08	2.34E-08	8.23E-10	2.95E-09	3.77E-09	4.43E-10	1.37E-09	1.81E-09
8613	437103.21	3763235.86	5.31E-09	1.81E-08	2.34E-08	8.25E-10	2.96E-09	3.78E-09	4.45E-10	1.37E-09	1.82E-09
8614	437094.5	3763232.27	5.34E-09	1.82E-08	2.35E-08	8.29E-10	2.97E-09	3.80E-09	4.47E-10	1.38E-09	1.83E-09
8615	437085.78	3763228.67	5.36E-09	1.83E-08	2.36E-08	8.32E-10	2.98E-09	3.82E-09	4.48E-10	1.38E-09	1.83E-09
8616	437077.06	3763225.08	5.37E-09	1.83E-08	2.37E-08	8.34E-10	2.99E-09	3.83E-09	4.49E-10	1.39E-09	1.84E-09
8617	437068.34	3763221.48	5.38E-09	1.83E-08	2.37E-08	8.36E-10	3.00E-09	3.83E-09	4.50E-10	1.39E-09	1.84E-09
8618	437059.62	3763217.89	5.39E-09	1.84E-08	2.38E-08	8.37E-10	3.00E-09	3.84E-09	4.51E-10	1.39E-09	1.84E-09
8619	437050.9	3763214.29	5.39E-09	1.84E-08	2.38E-08	8.38E-10	3.00E-09	3.84E-09	4.51E-10	1.39E-09	1.84E-09
8620	437042.18	3763210.69	5.4E-09	1.84E-08	2.38E-08	8.38E-10	3.01E-09	3.84E-09	4.52E-10	1.39E-09	1.85E-09
8621	437033.46	3763207.1	5.4E-09	1.84E-08	2.38E-08	8.40E-10	3.01E-09	3.85E-09	4.52E-10	1.40E-09	1.85E-09
8622	437021.13	3763194.79	5.55E-09	1.89E-08	2.45E-08	8.63E-10	3.09E-09	3.95E-09	4.65E-10	1.43E-09	1.90E-09
8623	437017.51	3763186.08	5.69E-09	1.94E-08	2.51E-08	8.84E-10	3.17E-09	4.05E-09	4.76E-10	1.47E-09	1.95E-09
8624	437013.9	3763177.37	5.83E-09	1.99E-08	2.57E-08	9.05E-10	3.24E-09	4.15E-09	4.88E-10	1.51E-09	1.99E-09
8625	437010.29	3763168.66	5.97E-09	2.03E-08	2.63E-08	9.27E-10	3.32E-09	4.25E-09	4.99E-10	1.54E-09	2.04E-09
8626	437006.67	3763159.94	6.14E-09	2.09E-08	2.71E-08	9.54E-10	3.42E-09	4.37E-09	5.14E-10	1.59E-09	2.10E-09
8627	437003.06	3763151.23	6.31E-09	2.15E-08	2.78E-08	9.80E-10	3.51E-09	4.50E-09	5.28E-10	1.63E-09	2.16E-09
8628	436999.44	3763142.52	6.46E-09	2.20E-08	2.85E-08	1.00E-09	3.60E-09	4.60E-09	5.41E-10	1.67E-09	2.21E-09
8629	436995.83	3763133.81	6.61E-09	2.25E-08	2.91E-08	1.03E-09	3.68E-09	4.71E-09	5.53E-10	1.71E-09	2.26E-09
8630	436992.22	3763125.1	6.76E-09	2.30E-08	2.98E-08	1.05E-09	3.76E-09	4.81E-09	5.65E-10	1.75E-09	2.31E-09
8631	436988.6	3763116.38	6.9E-09	2.35E-08	3.04E-08	1.07E-09	3.85E-09	4.92E-09	5.78E-10	1.78E-09	2.36E-09
8632	436984.99	3763107.67	7.05E-09	2.40E-08	3.11E-08	1.10E-09	3.93E-09	5.02E-09	5.90E-10	1.82E-09	2.41E-09
8633	436981.37	3763098.96	7.19E-09	2.45E-08	3.17E-08	1.12E-09	4.01E-09	5.12E-09	6.02E-10	1.86E-09	2.46E-09
8634	436977.76	3763090.25	7.33E-09	2.50E-08	3.23E-08	1.14E-09	4.08E-09	5.22E-09	6.14E-10	1.89E-09	2.51E-09
8635	436974.15	3763081.54	7.47E-09	2.55E-08	3.29E-08	1.16E-09	4.16E-09	5.32E-09	6.25E-10	1.93E-09	2.55E-09
8636	436970.53	3763072.82	7.6E-09	2.59E-08	3.35E-08	1.18E-09	4.23E-09	5.41E-09	6.36E-10	1.96E-09	2.60E-09
8637	436966.92	3763064.11	7.73E-09	2.64E-08	3.41E-08	1.20E-09	4.30E-09	5.51E-09	6.47E-10	2.00E-09	2.64E-09
8638	436963.3	3763055.4	7.85E-09	2.68E-08	3.46E-08	1.22E-09	4.37E-09	5.59E-09	6.57E-10	2.03E-09	2.69E-09
8639	436959.69	3763046.69	7.97E-09	2.72E-08	3.51E-08	1.24E-09	4.44E-09	5.68E-09	6.67E-10	2.06E-09	2.73E-09
8640	436956.08	3763037.98	8.08E-09	2.76E-08	3.56E-08	1.26E-09	4.50E-09	5.76E-09	6.76E-10	2.09E-09	2.76E-09
8641	436952.46	3763029.27	8.19E-09	2.79E-08	3.61E-08	1.27E-09	4.56E-09	5.83E-09	6.85E-10	2.12E-09	2.80E-09
8642	436948.85	3763020.55	8.29E-09	2.83E-08	3.65E-08	1.29E-09	4.62E-09	5.90E-09	6.94E-10	2.14E-09	2.84E-09
8643	436945.24	3763011.84	8.38E-09	2.86E-08	3.70E-08	1.30E-09	4.67E-09	5.97E-09	7.02E-10	2.17E-09	2.87E-09
8644	436941.62	3763003.13	8.47E-09	2.89E-08	3.74E-08	1.32E-09	4.72E-09	6.03E-09	7.09E-10	2.19E-09	2.90E-09
8645	436938.01	3762994.42	8.55E-09	2.92E-08	3.77E-08	1.33E-09	4.76E-09	6.09E-09	7.16E-10	2.21E-09	2.92E-09
8646	436934.39	3762985.71	8.62E-09	2.94E-08	3.80E-08	1.34E-09	4.80E-09	6.14E-09	7.22E-10	2.23E-09	2.95E-09
8647	436930.78	3762976.99	8.68E-09	2.96E-08	3.83E-08	1.35E-09	4.84E-09	6.19E-09	7.27E-10	2.24E-09	2.97E-09
8648	436927.17	3762968.28	8.74E-09	2.98E-08	3.85E-08	1.36E-09	4.87E-09	6.23E-09	7.31E-10	2.26E-09	2.99E-09
8649	436923.55	3762959.57	8.78E-09	3.00E-08	3.87E-08	1.36E-09	4.89E-09	6.26E-09	7.35E-10	2.27E-09	3.00E-09
8650	436919.94	3762950.86	8.82E-09	3.01E-08	3.89E-08	1.37E-09	4.91E-09	6.28E-09	7.38E-10	2.28E-09	3.02E-09
8651	436916.32	3762942.15	8.85E-09	3.02E-08	3.90E-08	1.37E-09	4.93E-09	6.30E-09	7.40E-10	2.29E-09	3.03E-09
8652	436912.71	3762933.43	8.87E-09	3.02E-08	3.91E-08	1.38E-09	4.94E-09	6.32E-09	7.42E-10	2.29E-09	3.03E-09
8653	436909.1	3762924.72	8.88E-09	3.03E-08	3.92E-08	1.38E-09	4.95E-09	6.33E-09	7.43E-10	2.29E-09	3.04E-09
8654	436905.48	3762916.01	8.89E-09	3.03E-08	3.92E-08	1.38E-09	4.95E-09	6.33E-09	7.44E-10	2.30E-09	3.04E-09
8655	436901.87	3762907.3	8.89E-09	3.03E-08	3.92E-08	1.38E-09	4.95E-09	6.33E-09	7.44E-10	2.30E-09	3.04E-09
8656	436898.26	3762898.59	8.88E-09	3.03E-08	3.91E-08	1.38E-09	4.94E-09	6.32E-09	7.43E-10	2.29E-09	3.04E-09
8657	437364.79	3763343.74	4.27E-09	1.45E-08	1.88E-08	6.63E-10	2.38E-09	3.04E-09	3.57E-10	1.10E-09	1.46E-09
8658	437374.45	3763343.72	4.31E-09	1.47E-08	1.90E-08	6.69E-10	2.40E-09	3.07E-09	3.60E-10	1.11E-09	1.47E-09

8659	437384.1	3763343.7	4.35E-09	1.48E-08	1.92E-08	6.76E-10	2.42E-09	3.10E-09	3.64E-10	1.12E-09	1.49E-09
8660	437393.75	3763343.68	4.39E-09	1.50E-08	1.94E-08	6.83E-10	2.45E-09	3.13E-09	3.68E-10	1.14E-09	1.50E-09
8661	437403.4	3763343.66	4.44E-09	1.51E-08	1.96E-08	6.90E-10	2.47E-09	3.16E-09	3.72E-10	1.15E-09	1.52E-09
8662	437413.05	3763343.64	4.5E-09	1.53E-08	1.98E-08	6.99E-10	2.51E-09	3.20E-09	3.77E-10	1.16E-09	1.54E-09
8663	437422.7	3763343.62	4.56E-09	1.55E-08	2.01E-08	7.08E-10	2.54E-09	3.25E-09	3.81E-10	1.18E-09	1.56E-09
8664	437432.35	3763343.6	4.61E-09	1.57E-08	2.03E-08	7.17E-10	2.57E-09	3.29E-09	3.86E-10	1.19E-09	1.58E-09
8665	437442	3763343.58	4.66E-09	1.59E-08	2.06E-08	7.24E-10	2.60E-09	3.32E-09	3.90E-10	1.20E-09	1.59E-09
8666	437451.65	3763343.56	4.71E-09	1.61E-08	2.08E-08	7.32E-10	2.62E-09	3.36E-09	3.94E-10	1.22E-09	1.61E-09
8667	437461.3	3763343.54	4.76E-09	1.62E-08	2.10E-08	7.40E-10	2.65E-09	3.39E-09	3.99E-10	1.23E-09	1.63E-09
8668	437470.95	3763343.52	4.81E-09	1.64E-08	2.12E-08	7.48E-10	2.68E-09	3.43E-09	4.03E-10	1.24E-09	1.65E-09
8669	437480.6	3763343.5	4.87E-09	1.66E-08	2.15E-08	7.56E-10	2.71E-09	3.47E-09	4.07E-10	1.26E-09	1.67E-09
8670	437490.25	3763343.48	4.92E-09	1.68E-08	2.17E-08	7.65E-10	2.74E-09	3.51E-09	4.12E-10	1.27E-09	1.68E-09
8671	437499.9	3763343.46	4.98E-09	1.70E-08	2.20E-08	7.74E-10	2.78E-09	3.55E-09	4.17E-10	1.29E-09	1.70E-09
8672	437509.55	3763343.44	5.04E-09	1.72E-08	2.22E-08	7.84E-10	2.81E-09	3.59E-09	4.22E-10	1.30E-09	1.73E-09
8673	437519.2	3763343.42	5.11E-09	1.74E-08	2.25E-08	7.94E-10	2.85E-09	3.64E-09	4.28E-10	1.32E-09	1.75E-09
8674	437528.85	3763343.4	5.15E-09	1.75E-08	2.27E-08	7.99E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
8675	437538.5	3763343.38	5.18E-09	1.77E-08	2.29E-08	8.05E-10	2.89E-09	3.69E-09	4.34E-10	1.34E-09	1.77E-09
8676	437548.15	3763343.36	5.22E-09	1.78E-08	2.30E-08	8.11E-10	2.91E-09	3.72E-09	4.37E-10	1.35E-09	1.79E-09
8677	437356.04	3763370.1	3.87E-09	1.32E-08	1.71E-08	6.01E-10	2.15E-09	2.76E-09	3.24E-10	9.99E-10	1.32E-09
8678	437347.23	3763366.47	3.88E-09	1.32E-08	1.71E-08	6.03E-10	2.16E-09	2.77E-09	3.25E-10	1.00E-09	1.33E-09
8679	437338.42	3763362.84	3.9E-09	1.33E-08	1.72E-08	6.06E-10	2.17E-09	2.78E-09	3.26E-10	1.01E-09	1.33E-09
8680	437329.61	3763359.2	3.91E-09	1.33E-08	1.73E-08	6.08E-10	2.18E-09	2.79E-09	3.28E-10	1.01E-09	1.34E-09
8681	437320.8	3763355.57	3.93E-09	1.34E-08	1.73E-08	6.11E-10	2.19E-09	2.80E-09	3.29E-10	1.02E-09	1.34E-09
8682	437311.98	3763351.93	3.95E-09	1.35E-08	1.74E-08	6.14E-10	2.20E-09	2.81E-09	3.31E-10	1.02E-09	1.35E-09
8683	437303.17	3763348.3	3.97E-09	1.35E-08	1.75E-08	6.16E-10	2.21E-09	2.83E-09	3.32E-10	1.03E-09	1.36E-09
8684	437294.36	3763344.67	3.99E-09	1.36E-08	1.76E-08	6.20E-10	2.22E-09	2.84E-09	3.34E-10	1.03E-09	1.36E-09
8685	437285.55	3763341.03	4.01E-09	1.37E-08	1.77E-08	6.24E-10	2.24E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
8686	437276.73	3763337.4	4.04E-09	1.38E-08	1.78E-08	6.28E-10	2.25E-09	2.88E-09	3.38E-10	1.04E-09	1.38E-09
8687	437267.92	3763333.76	4.08E-09	1.39E-08	1.80E-08	6.33E-10	2.27E-09	2.90E-09	3.41E-10	1.05E-09	1.39E-09
8688	437259.11	3763330.13	4.11E-09	1.40E-08	1.81E-08	6.39E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.41E-09
8689	437250.3	3763326.49	4.15E-09	1.41E-08	1.83E-08	6.45E-10	2.31E-09	2.96E-09	3.47E-10	1.07E-09	1.42E-09
8690	437241.48	3763322.86	4.19E-09	1.43E-08	1.85E-08	6.51E-10	2.33E-09	2.98E-09	3.50E-10	1.08E-09	1.43E-09
8691	437232.67	3763319.23	4.22E-09	1.44E-08	1.86E-08	6.56E-10	2.35E-09	3.01E-09	3.54E-10	1.09E-09	1.45E-09
8692	437223.86	3763315.59	4.26E-09	1.45E-08	1.88E-08	6.62E-10	2.38E-09	3.04E-09	3.57E-10	1.10E-09	1.46E-09
8693	437215.05	3763311.96	4.3E-09	1.47E-08	1.90E-08	6.69E-10	2.40E-09	3.07E-09	3.60E-10	1.11E-09	1.47E-09
8694	437206.23	3763308.32	4.34E-09	1.48E-08	1.92E-08	6.75E-10	2.42E-09	3.09E-09	3.64E-10	1.12E-09	1.49E-09
8695	437197.42	3763304.69	4.39E-09	1.50E-08	1.93E-08	6.81E-10	2.44E-09	3.12E-09	3.67E-10	1.13E-09	1.50E-09
8696	437188.61	3763301.06	4.43E-09	1.51E-08	1.95E-08	6.88E-10	2.47E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
8697	437144.55	3763282.88	4.6E-09	1.57E-08	2.03E-08	7.15E-10	2.56E-09	3.28E-09	3.85E-10	1.19E-09	1.57E-09
8698	437135.74	3763279.25	4.63E-09	1.58E-08	2.04E-08	7.19E-10	2.58E-09	3.30E-09	3.87E-10	1.20E-09	1.58E-09
8699	437126.92	3763275.62	4.65E-09	1.59E-08	2.05E-08	7.22E-10	2.59E-09	3.31E-09	3.89E-10	1.20E-09	1.59E-09
8700	437118.11	3763271.98	4.67E-09	1.59E-08	2.06E-08	7.26E-10	2.60E-09	3.33E-09	3.91E-10	1.21E-09	1.60E-09
8701	437109.3	3763268.35	4.69E-09	1.60E-08	2.07E-08	7.29E-10	2.61E-09	3.34E-09	3.93E-10	1.21E-09	1.60E-09
8702	437100.49	3763264.71	4.71E-09	1.61E-08	2.08E-08	7.32E-10	2.62E-09	3.36E-09	3.94E-10	1.22E-09	1.61E-09
8703	437091.67	3763261.08	4.75E-09	1.62E-08	2.09E-08	7.37E-10	2.64E-09	3.38E-09	3.97E-10	1.23E-09	1.62E-09
8704	437082.86	3763257.45	4.78E-09	1.63E-08	2.11E-08	7.43E-10	2.66E-09	3.41E-09	4.00E-10	1.24E-09	1.64E-09
8705	437074.05	3763253.81	4.81E-09	1.64E-08	2.12E-08	7.47E-10	2.68E-09	3.43E-09	4.03E-10	1.24E-09	1.65E-09
8706	437065.24	3763250.18	4.83E-09	1.65E-08	2.13E-08	7.51E-10	2.69E-09	3.44E-09	4.04E-10	1.25E-09	1.65E-09
8707	437056.42	3763246.54	4.85E-09	1.65E-08	2.14E-08	7.53E-10	2.70E-09	3.45E-09	4.06E-10	1.25E-09	1.66E-09
8708	437047.61	3763242.91	4.86E-09	1.66E-08	2.14E-08	7.55E-10	2.71E-09	3.46E-09	4.07E-10	1.26E-09	1.66E-09
8709	437038.8	3763239.27	4.87E-09	1.66E-08	2.15E-08	7.57E-10	2.72E-09	3.47E-09	4.08E-10	1.26E-09	1.67E-09
8710	437029.99	3763235.64	4.88E-09	1.67E-08	2.15E-08	7.59E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
8711	437021.17	3763232.01	4.89E-09	1.67E-08	2.16E-08	7.60E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
8712	437012.36	3763228.37	4.9E-09	1.67E-08	2.16E-08	7.61E-10	2.73E-09	3.49E-09	4.10E-10	1.27E-09	1.68E-09
8713	436999.9	3763215.93	5.02E-09	1.71E-08	2.22E-08	7.81E-10	2.80E-09	3.58E-09	4.21E-10	1.30E-09	1.72E-09
8714	436996.24	3763207.13	5.15E-09	1.76E-08	2.27E-08	8.00E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
8715	436992.59	3763198.32	5.27E-09	1.80E-08	2.32E-08	8.19E-10	2.94E-09	3.76E-09	4.41E-10	1.36E-09	1.80E-09
8716	436988.94	3763189.52	5.4E-09	1.84E-08	2.38E-08	8.38E-10	3.01E-09	3.84E-09	4.52E-10	1.39E-09	1.85E-09
8717	436985.29	3763180.71	5.52E-09	1.88E-08	2.44E-08	8.58E-10	3.08E-09	3.93E-09	4.62E-10	1.43E-09	1.89E-09
8718	436981.63	3763171.91	5.65E-09	1.93E-08	2.49E-08	8.78E-10	3.15E-09	4.03E-09	4.73E-10	1.46E-09	1.93E-09
8719	436977.98	3763163.1	5.79E-09	1.98E-08	2.55E-08	9.00E-10	3.23E-09	4.13E-09	4.85E-10	1.50E-09	1.98E-09

8720	436974.33	3763154.3	5.92E-09	2.02E-08	2.61E-08	9.20E-10	3.30E-09	4.22E-09	4.96E-10	1.53E-09	2.03E-09
8721	436970.68	3763145.49	6.05E-09	2.06E-08	2.67E-08	9.40E-10	3.37E-09	4.31E-09	5.07E-10	1.56E-09	2.07E-09
8722	436967.03	3763136.69	6.18E-09	2.11E-08	2.73E-08	9.60E-10	3.44E-09	4.40E-09	5.17E-10	1.60E-09	2.11E-09
8723	436963.37	3763127.88	6.31E-09	2.15E-08	2.78E-08	9.80E-10	3.51E-09	4.49E-09	5.28E-10	1.63E-09	2.16E-09
8724	436959.72	3763119.08	6.43E-09	2.19E-08	2.84E-08	9.99E-10	3.58E-09	4.58E-09	5.38E-10	1.66E-09	2.20E-09
8725	436956.07	3763110.28	6.56E-09	2.24E-08	2.89E-08	1.02E-09	3.65E-09	4.67E-09	5.49E-10	1.69E-09	2.24E-09
8726	436952.42	3763101.47	6.68E-09	2.28E-08	2.94E-08	1.04E-09	3.72E-09	4.76E-09	5.59E-10	1.73E-09	2.28E-09
8727	436948.76	3763092.67	6.79E-09	2.32E-08	3.00E-08	1.06E-09	3.79E-09	4.84E-09	5.69E-10	1.76E-09	2.32E-09
8728	436945.11	3763083.86	6.91E-09	2.36E-08	3.05E-08	1.07E-09	3.85E-09	4.92E-09	5.78E-10	1.79E-09	2.36E-09
8729	436941.46	3763075.06	7.02E-09	2.39E-08	3.10E-08	1.09E-09	3.91E-09	5.00E-09	5.88E-10	1.81E-09	2.40E-09
8730	436937.81	3763066.25	7.13E-09	2.43E-08	3.14E-08	1.11E-09	3.97E-09	5.08E-09	5.97E-10	1.84E-09	2.44E-09
8731	436934.15	3763057.45	7.23E-09	2.47E-08	3.19E-08	1.12E-09	4.03E-09	5.15E-09	6.05E-10	1.87E-09	2.47E-09
8732	436930.5	3763048.64	7.33E-09	2.50E-08	3.23E-08	1.14E-09	4.08E-09	5.22E-09	6.13E-10	1.89E-09	2.51E-09
8733	436926.85	3763039.84	7.42E-09	2.53E-08	3.27E-08	1.15E-09	4.13E-09	5.28E-09	6.21E-10	1.92E-09	2.54E-09
8734	436923.2	3763031.03	7.5E-09	2.56E-08	3.31E-08	1.17E-09	4.18E-09	5.35E-09	6.28E-10	1.94E-09	2.57E-09
8735	436919.54	3763022.23	7.59E-09	2.59E-08	3.35E-08	1.18E-09	4.23E-09	5.40E-09	6.35E-10	1.96E-09	2.59E-09
8736	436915.89	3763013.42	7.66E-09	2.61E-08	3.38E-08	1.19E-09	4.27E-09	5.46E-09	6.41E-10	1.98E-09	2.62E-09
8737	436912.24	3763004.62	7.73E-09	2.64E-08	3.41E-08	1.20E-09	4.30E-09	5.51E-09	6.47E-10	2.00E-09	2.64E-09
8738	436908.59	3762995.81	7.79E-09	2.66E-08	3.44E-08	1.21E-09	4.34E-09	5.55E-09	6.52E-10	2.01E-09	2.66E-09
8739	436904.93	3762987.01	7.84E-09	2.67E-08	3.46E-08	1.22E-09	4.37E-09	5.59E-09	6.57E-10	2.03E-09	2.68E-09
8740	436901.28	3762978.2	7.89E-09	2.69E-08	3.48E-08	1.23E-09	4.40E-09	5.62E-09	6.61E-10	2.04E-09	2.70E-09
8741	436897.63	3762969.4	7.93E-09	2.70E-08	3.50E-08	1.23E-09	4.42E-09	5.65E-09	6.64E-10	2.05E-09	2.71E-09
8742	436893.98	3762960.59	7.96E-09	2.72E-08	3.51E-08	1.24E-09	4.44E-09	5.67E-09	6.67E-10	2.06E-09	2.72E-09
8743	436890.32	3762951.79	7.99E-09	2.72E-08	3.52E-08	1.24E-09	4.45E-09	5.69E-09	6.69E-10	2.06E-09	2.73E-09
8744	436886.67	3762942.98	8.01E-09	2.73E-08	3.53E-08	1.24E-09	4.46E-09	5.71E-09	6.71E-10	2.07E-09	2.74E-09
8745	436883.02	3762934.18	8.02E-09	2.74E-08	3.54E-08	1.25E-09	4.47E-09	5.72E-09	6.72E-10	2.07E-09	2.74E-09
8746	436879.37	3762925.37	8.03E-09	2.74E-08	3.54E-08	1.25E-09	4.47E-09	5.72E-09	6.72E-10	2.08E-09	2.75E-09
8747	436875.71	3762916.57	8.03E-09	2.74E-08	3.54E-08	1.25E-09	4.47E-09	5.72E-09	6.72E-10	2.08E-09	2.75E-09
8748	436872.06	3762907.76	8.03E-09	2.74E-08	3.54E-08	1.25E-09	4.47E-09	5.72E-09	6.72E-10	2.07E-09	2.75E-09
8749	436868.41	3762898.96	8.02E-09	2.73E-08	3.53E-08	1.25E-09	4.47E-09	5.71E-09	6.71E-10	2.07E-09	2.74E-09
8750	437364.86	3763373.74	3.85E-09	1.31E-08	1.70E-08	5.99E-10	2.15E-09	2.75E-09	3.23E-10	9.96E-10	1.32E-09
8751	437374.51	3763373.72	3.88E-09	1.32E-08	1.71E-08	6.03E-10	2.16E-09	2.77E-09	3.25E-10	1.00E-09	1.33E-09
8752	437384.16	3763373.7	3.91E-09	1.33E-08	1.72E-08	6.07E-10	2.18E-09	2.78E-09	3.27E-10	1.01E-09	1.34E-09
8753	437393.81	3763373.68	3.93E-09	1.34E-08	1.73E-08	6.11E-10	2.19E-09	2.80E-09	3.29E-10	1.02E-09	1.34E-09
8754	437403.46	3763373.66	3.96E-09	1.35E-08	1.75E-08	6.16E-10	2.21E-09	2.82E-09	3.32E-10	1.02E-09	1.36E-09
8755	437413.11	3763373.64	4.01E-09	1.37E-08	1.77E-08	6.23E-10	2.23E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
8756	437422.76	3763373.62	4.06E-09	1.38E-08	1.79E-08	6.31E-10	2.26E-09	2.89E-09	3.40E-10	1.05E-09	1.39E-09
8757	437432.41	3763373.6	4.11E-09	1.40E-08	1.81E-08	6.38E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.40E-09
8758	437442.06	3763373.58	4.15E-09	1.41E-08	1.83E-08	6.44E-10	2.31E-09	2.95E-09	3.47E-10	1.07E-09	1.42E-09
8759	437451.71	3763373.56	4.19E-09	1.43E-08	1.85E-08	6.51E-10	2.33E-09	2.99E-09	3.51E-10	1.08E-09	1.43E-09
8760	437461.36	3763373.54	4.23E-09	1.44E-08	1.87E-08	6.58E-10	2.36E-09	3.02E-09	3.54E-10	1.09E-09	1.45E-09
8761	437471.01	3763373.52	4.28E-09	1.46E-08	1.89E-08	6.66E-10	2.39E-09	3.05E-09	3.59E-10	1.11E-09	1.47E-09
8762	437480.66	3763373.5	4.34E-09	1.48E-08	1.91E-08	6.74E-10	2.42E-09	3.09E-09	3.63E-10	1.12E-09	1.48E-09
8763	437490.31	3763373.48	4.39E-09	1.50E-08	1.93E-08	6.82E-10	2.44E-09	3.13E-09	3.67E-10	1.13E-09	1.50E-09
8764	437499.96	3763373.46	4.43E-09	1.51E-08	1.96E-08	6.89E-10	2.47E-09	3.16E-09	3.71E-10	1.15E-09	1.52E-09
8765	437509.61	3763373.44	4.48E-09	1.53E-08	1.98E-08	6.97E-10	2.50E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
8766	437519.27	3763373.42	4.53E-09	1.55E-08	2.00E-08	7.04E-10	2.52E-09	3.23E-09	3.79E-10	1.17E-09	1.55E-09
8767	437528.92	3763373.4	4.58E-09	1.56E-08	2.02E-08	7.11E-10	2.55E-09	3.26E-09	3.83E-10	1.18E-09	1.57E-09
8768	437538.57	3763373.38	4.62E-09	1.58E-08	2.04E-08	7.18E-10	2.57E-09	3.29E-09	3.87E-10	1.19E-09	1.58E-09
8769	437548.22	3763373.36	4.67E-09	1.59E-08	2.06E-08	7.25E-10	2.60E-09	3.32E-09	3.91E-10	1.21E-09	1.60E-09
8770	437356.02	3763400.07	3.51E-09	1.20E-08	1.55E-08	5.46E-10	1.96E-09	2.50E-09	2.94E-10	9.08E-10	1.20E-09
8771	437347.13	3763396.4	3.53E-09	1.20E-08	1.56E-08	5.49E-10	1.97E-09	2.52E-09	2.95E-10	9.12E-10	1.21E-09
8772	437338.23	3763392.73	3.55E-09	1.21E-08	1.56E-08	5.51E-10	1.98E-09	2.53E-09	2.97E-10	9.16E-10	1.21E-09
8773	437329.33	3763389.06	3.56E-09	1.21E-08	1.57E-08	5.53E-10	1.98E-09	2.54E-09	2.98E-10	9.20E-10	1.22E-09
8774	437320.44	3763385.39	3.58E-09	1.22E-08	1.58E-08	5.56E-10	1.99E-09	2.55E-09	2.99E-10	9.24E-10	1.22E-09
8775	437311.54	3763381.73	3.59E-09	1.22E-08	1.58E-08	5.58E-10	2.00E-09	2.56E-09	3.00E-10	9.27E-10	1.23E-09
8776	437302.64	3763378.06	3.6E-09	1.23E-08	1.59E-08	5.60E-10	2.01E-09	2.57E-09	3.02E-10	9.31E-10	1.23E-09
8777	437293.74	3763374.39	3.62E-09	1.23E-08	1.60E-08	5.62E-10	2.02E-09	2.58E-09	3.03E-10	9.35E-10	1.24E-09
8778	437284.85	3763370.72	3.63E-09	1.24E-08	1.60E-08	5.64E-10	2.02E-09	2.59E-09	3.04E-10	9.39E-10	1.24E-09
8779	437275.95	3763367.05	3.65E-09	1.24E-08	1.61E-08	5.67E-10	2.03E-09	2.60E-09	3.05E-10	9.42E-10	1.25E-09
8780	437267.05	3763363.38	3.66E-09	1.25E-08	1.61E-08	5.69E-10	2.04E-09	2.61E-09	3.06E-10	9.46E-10	1.25E-09

8781	437258.16	3763359.71	3.68E-09	1.25E-08	1.62E-08	5.72E-10	2.05E-09	2.62E-09	3.08E-10	9.51E-10	1.26E-09
8782	437249.26	3763356.04	3.7E-09	1.26E-08	1.63E-08	5.75E-10	2.06E-09	2.64E-09	3.10E-10	9.56E-10	1.27E-09
8783	437240.36	3763352.37	3.73E-09	1.27E-08	1.64E-08	5.79E-10	2.08E-09	2.66E-09	3.12E-10	9.63E-10	1.28E-09
8784	437231.47	3763348.7	3.76E-09	1.28E-08	1.66E-08	5.85E-10	2.10E-09	2.68E-09	3.15E-10	9.72E-10	1.29E-09
8785	437222.57	3763345.04	3.8E-09	1.30E-08	1.68E-08	5.90E-10	2.12E-09	2.71E-09	3.18E-10	9.82E-10	1.30E-09
8786	437213.67	3763341.37	3.83E-09	1.31E-08	1.69E-08	5.95E-10	2.13E-09	2.73E-09	3.21E-10	9.90E-10	1.31E-09
8787	437204.78	3763337.7	3.86E-09	1.32E-08	1.70E-08	6.00E-10	2.15E-09	2.75E-09	3.23E-10	9.98E-10	1.32E-09
8788	437195.88	3763334.03	3.89E-09	1.33E-08	1.72E-08	6.05E-10	2.17E-09	2.77E-09	3.26E-10	1.01E-09	1.33E-09
8789	437186.98	3763330.36	3.93E-09	1.34E-08	1.73E-08	6.10E-10	2.19E-09	2.80E-09	3.29E-10	1.01E-09	1.34E-09
8790	437142.5	3763312.01	4.09E-09	1.39E-08	1.80E-08	6.36E-10	2.28E-09	2.91E-09	3.42E-10	1.06E-09	1.40E-09
8791	437133.6	3763308.35	4.12E-09	1.40E-08	1.82E-08	6.40E-10	2.29E-09	2.93E-09	3.45E-10	1.06E-09	1.41E-09
8792	437124.71	3763304.68	4.15E-09	1.41E-08	1.83E-08	6.44E-10	2.31E-09	2.95E-09	3.47E-10	1.07E-09	1.42E-09
8793	437115.81	3763301.01	4.17E-09	1.42E-08	1.84E-08	6.48E-10	2.32E-09	2.97E-09	3.49E-10	1.08E-09	1.43E-09
8794	437106.91	3763297.34	4.19E-09	1.43E-08	1.85E-08	6.51E-10	2.33E-09	2.99E-09	3.51E-10	1.08E-09	1.43E-09
8795	437098.02	3763293.67	4.21E-09	1.44E-08	1.86E-08	6.55E-10	2.35E-09	3.00E-09	3.53E-10	1.09E-09	1.44E-09
8796	437089.12	3763290	4.24E-09	1.45E-08	1.87E-08	6.59E-10	2.36E-09	3.02E-09	3.55E-10	1.10E-09	1.45E-09
8797	437080.22	3763286.33	4.28E-09	1.46E-08	1.89E-08	6.64E-10	2.38E-09	3.05E-09	3.58E-10	1.10E-09	1.46E-09
8798	437071.33	3763282.66	4.31E-09	1.47E-08	1.90E-08	6.69E-10	2.40E-09	3.07E-09	3.61E-10	1.11E-09	1.47E-09
8799	437062.43	3763278.99	4.34E-09	1.48E-08	1.91E-08	6.74E-10	2.42E-09	3.09E-09	3.63E-10	1.12E-09	1.48E-09
8800	437053.53	3763275.32	4.36E-09	1.49E-08	1.92E-08	6.78E-10	2.43E-09	3.11E-09	3.65E-10	1.13E-09	1.49E-09
8801	437044.64	3763271.66	4.38E-09	1.49E-08	1.93E-08	6.81E-10	2.44E-09	3.12E-09	3.67E-10	1.13E-09	1.50E-09
8802	437035.74	3763267.99	4.4E-09	1.50E-08	1.94E-08	6.84E-10	2.45E-09	3.13E-09	3.68E-10	1.14E-09	1.51E-09
8803	437026.84	3763264.32	4.41E-09	1.50E-08	1.95E-08	6.86E-10	2.46E-09	3.14E-09	3.69E-10	1.14E-09	1.51E-09
8804	437017.95	3763260.65	4.42E-09	1.51E-08	1.95E-08	6.87E-10	2.46E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
8805	437009.05	3763256.98	4.43E-09	1.51E-08	1.96E-08	6.89E-10	2.47E-09	3.16E-09	3.71E-10	1.15E-09	1.52E-09
8806	437000.15	3763253.31	4.45E-09	1.52E-08	1.96E-08	6.91E-10	2.48E-09	3.17E-09	3.72E-10	1.15E-09	1.52E-09
8807	436991.25	3763249.64	4.46E-09	1.52E-08	1.96E-08	6.92E-10	2.48E-09	3.17E-09	3.73E-10	1.15E-09	1.52E-09
8808	436978.67	3763237.08	4.57E-09	1.56E-08	2.01E-08	7.09E-10	2.54E-09	3.25E-09	3.82E-10	1.18E-09	1.56E-09
8809	436974.98	3763228.19	4.67E-09	1.59E-08	2.06E-08	7.25E-10	2.60E-09	3.32E-09	3.91E-10	1.21E-09	1.60E-09
8810	436971.3	3763219.31	4.78E-09	1.63E-08	2.11E-08	7.42E-10	2.66E-09	3.40E-09	4.00E-10	1.23E-09	1.63E-09
8811	436967.61	3763210.42	4.89E-09	1.67E-08	2.15E-08	7.59E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
8812	436963.92	3763201.53	5E-09	1.70E-08	2.20E-08	7.77E-10	2.78E-09	3.56E-09	4.18E-10	1.29E-09	1.71E-09
8813	436960.23	3763192.64	5.11E-09	1.74E-08	2.25E-08	7.94E-10	2.85E-09	3.64E-09	4.28E-10	1.32E-09	1.75E-09
8814	436956.55	3763183.75	5.22E-09	1.78E-08	2.30E-08	8.11E-10	2.91E-09	3.72E-09	4.37E-10	1.35E-09	1.79E-09
8815	436952.86	3763174.86	5.34E-09	1.82E-08	2.35E-08	8.29E-10	2.97E-09	3.80E-09	4.47E-10	1.38E-09	1.83E-09
8816	436949.17	3763165.97	5.45E-09	1.86E-08	2.40E-08	8.47E-10	3.04E-09	3.88E-09	4.56E-10	1.41E-09	1.87E-09
8817	436945.48	3763157.08	5.57E-09	1.90E-08	2.46E-08	8.65E-10	3.10E-09	3.97E-09	4.66E-10	1.44E-09	1.91E-09
8818	436941.8	3763148.19	5.68E-09	1.94E-08	2.51E-08	8.83E-10	3.16E-09	4.05E-09	4.76E-10	1.47E-09	1.94E-09
8819	436938.11	3763139.3	5.79E-09	1.97E-08	2.55E-08	9.00E-10	3.23E-09	4.13E-09	4.85E-10	1.50E-09	1.98E-09
8820	436934.42	3763130.41	5.9E-09	2.01E-08	2.60E-08	9.17E-10	3.29E-09	4.20E-09	4.94E-10	1.52E-09	2.02E-09
8821	436930.73	3763121.53	6.01E-09	2.05E-08	2.65E-08	9.33E-10	3.35E-09	4.28E-09	5.03E-10	1.55E-09	2.05E-09
8822	436927.05	3763112.64	6.11E-09	2.08E-08	2.70E-08	9.50E-10	3.40E-09	4.35E-09	5.12E-10	1.58E-09	2.09E-09
8823	436923.36	3763103.75	6.21E-09	2.12E-08	2.74E-08	9.66E-10	3.46E-09	4.43E-09	5.20E-10	1.61E-09	2.13E-09
8824	436919.67	3763094.86	6.31E-09	2.15E-08	2.78E-08	9.81E-10	3.52E-09	4.50E-09	5.28E-10	1.63E-09	2.16E-09
8825	436915.99	3763085.97	6.41E-09	2.19E-08	2.83E-08	9.96E-10	3.57E-09	4.57E-09	5.37E-10	1.66E-09	2.19E-09
8826	436912.3	3763077.08	6.5E-09	2.22E-08	2.87E-08	1.01E-09	3.62E-09	4.63E-09	5.44E-10	1.68E-09	2.22E-09
8827	436908.61	3763068.19	6.59E-09	2.25E-08	2.91E-08	1.02E-09	3.67E-09	4.70E-09	5.52E-10	1.70E-09	2.25E-09
8828	436904.92	3763059.3	6.67E-09	2.28E-08	2.94E-08	1.04E-09	3.72E-09	4.76E-09	5.59E-10	1.72E-09	2.28E-09
8829	436901.24	3763050.41	6.75E-09	2.30E-08	2.98E-08	1.05E-09	3.76E-09	4.81E-09	5.65E-10	1.75E-09	2.31E-09
8830	436897.55	3763041.52	6.83E-09	2.33E-08	3.01E-08	1.06E-09	3.80E-09	4.87E-09	5.72E-10	1.76E-09	2.34E-09
8831	436893.86	3763032.63	6.9E-09	2.35E-08	3.04E-08	1.07E-09	3.84E-09	4.91E-09	5.77E-10	1.78E-09	2.36E-09
8832	436890.17	3763023.74	6.96E-09	2.37E-08	3.07E-08	1.08E-09	3.88E-09	4.96E-09	5.83E-10	1.80E-09	2.38E-09
8833	436886.49	3763014.86	7.02E-09	2.39E-08	3.10E-08	1.09E-09	3.91E-09	5.00E-09	5.88E-10	1.81E-09	2.40E-09
8834	436882.8	3763005.97	7.08E-09	2.41E-08	3.12E-08	1.10E-09	3.94E-09	5.04E-09	5.92E-10	1.83E-09	2.42E-09
8835	436879.11	3762997.08	7.13E-09	2.43E-08	3.14E-08	1.11E-09	3.97E-09	5.08E-09	5.96E-10	1.84E-09	2.44E-09
8836	436875.42	3762988.19	7.17E-09	2.44E-08	3.16E-08	1.11E-09	3.99E-09	5.11E-09	6.00E-10	1.85E-09	2.45E-09
8837	436871.74	3762979.3	7.2E-09	2.46E-08	3.18E-08	1.12E-09	4.01E-09	5.13E-09	6.03E-10	1.86E-09	2.46E-09
8838	436868.05	3762970.41	7.23E-09	2.47E-08	3.19E-08	1.12E-09	4.03E-09	5.15E-09	6.06E-10	1.87E-09	2.47E-09
8839	436864.36	3762961.52	7.26E-09	2.48E-08	3.20E-08	1.13E-09	4.04E-09	5.17E-09	6.08E-10	1.88E-09	2.48E-09
8840	436860.67	3762952.63	7.28E-09	2.48E-08	3.21E-08	1.13E-09	4.05E-09	5.18E-09	6.09E-10	1.88E-09	2.49E-09
8841	436856.99	3762943.74	7.29E-09	2.49E-08	3.21E-08	1.13E-09	4.06E-09	5.19E-09	6.10E-10	1.88E-09	2.49E-09

8842	436853.3	3762934.85	7.3E-09	2.49E-08	3.22E-08	1.13E-09	4.06E-09	5.20E-09	6.11E-10	1.89E-09	2.50E-09
8843	436849.61	3762925.96	7.3E-09	2.49E-08	3.22E-08	1.13E-09	4.07E-09	5.20E-09	6.11E-10	1.89E-09	2.50E-09
8844	436845.92	3762917.07	7.3E-09	2.49E-08	3.22E-08	1.13E-09	4.06E-09	5.20E-09	6.11E-10	1.89E-09	2.50E-09
8845	436842.24	3762908.19	7.29E-09	2.49E-08	3.21E-08	1.13E-09	4.06E-09	5.19E-09	6.10E-10	1.88E-09	2.49E-09
8846	436838.55	3762899.3	7.28E-09	2.48E-08	3.21E-08	1.13E-09	4.05E-09	5.18E-09	6.09E-10	1.88E-09	2.49E-09
8847	437364.92	3763403.74	3.49E-09	1.19E-08	1.54E-08	5.43E-10	1.95E-09	2.49E-09	2.92E-10	9.03E-10	1.20E-09
8848	437374.57	3763403.72	3.52E-09	1.20E-08	1.55E-08	5.46E-10	1.96E-09	2.50E-09	2.94E-10	9.08E-10	1.20E-09
8849	437384.22	3763403.7	3.53E-09	1.20E-08	1.56E-08	5.49E-10	1.97E-09	2.52E-09	2.96E-10	9.13E-10	1.21E-09
8850	437393.87	3763403.68	3.55E-09	1.21E-08	1.57E-08	5.52E-10	1.98E-09	2.53E-09	2.97E-10	9.17E-10	1.21E-09
8851	437403.52	3763403.66	3.57E-09	1.22E-08	1.58E-08	5.55E-10	1.99E-09	2.55E-09	2.99E-10	9.23E-10	1.22E-09
8852	437413.17	3763403.64	3.6E-09	1.23E-08	1.59E-08	5.60E-10	2.01E-09	2.57E-09	3.02E-10	9.31E-10	1.23E-09
8853	437422.82	3763403.62	3.63E-09	1.24E-08	1.60E-08	5.64E-10	2.02E-09	2.59E-09	3.04E-10	9.38E-10	1.24E-09
8854	437432.47	3763403.6	3.66E-09	1.25E-08	1.62E-08	5.69E-10	2.04E-09	2.61E-09	3.07E-10	9.46E-10	1.25E-09
8855	437442.12	3763403.58	3.7E-09	1.26E-08	1.63E-08	5.75E-10	2.06E-09	2.64E-09	3.10E-10	9.56E-10	1.27E-09
8856	437451.77	3763403.56	3.75E-09	1.28E-08	1.65E-08	5.82E-10	2.09E-09	2.67E-09	3.14E-10	9.68E-10	1.28E-09
8857	437461.42	3763403.54	3.79E-09	1.29E-08	1.67E-08	5.89E-10	2.11E-09	2.70E-09	3.17E-10	9.79E-10	1.30E-09
8858	437471.07	3763403.52	3.83E-09	1.30E-08	1.69E-08	5.94E-10	2.13E-09	2.73E-09	3.20E-10	9.88E-10	1.31E-09
8859	437480.73	3763403.5	3.86E-09	1.32E-08	1.70E-08	6.00E-10	2.15E-09	2.75E-09	3.23E-10	9.98E-10	1.32E-09
8860	437490.38	3763403.48	3.9E-09	1.33E-08	1.72E-08	6.06E-10	2.17E-09	2.78E-09	3.27E-10	1.01E-09	1.34E-09
8861	437500.03	3763403.46	3.94E-09	1.34E-08	1.74E-08	6.12E-10	2.20E-09	2.81E-09	3.30E-10	1.02E-09	1.35E-09
8862	437509.68	3763403.44	3.98E-09	1.36E-08	1.75E-08	6.18E-10	2.22E-09	2.84E-09	3.33E-10	1.03E-09	1.36E-09
8863	437519.33	3763403.42	4.02E-09	1.37E-08	1.77E-08	6.24E-10	2.24E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
8864	437528.98	3763403.4	4.05E-09	1.38E-08	1.79E-08	6.30E-10	2.26E-09	2.89E-09	3.39E-10	1.05E-09	1.39E-09
8865	437538.63	3763403.38	4.09E-09	1.39E-08	1.80E-08	6.35E-10	2.28E-09	2.91E-09	3.42E-10	1.06E-09	1.40E-09
8866	437548.28	3763403.36	4.1E-09	1.40E-08	1.81E-08	6.38E-10	2.29E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
8867	437356.2	3763430.12	3.2E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.27E-10	1.09E-09
8868	437347.42	3763426.5	3.22E-09	1.10E-08	1.42E-08	5.00E-10	1.79E-09	2.29E-09	2.69E-10	8.31E-10	1.10E-09
8869	437338.65	3763422.88	3.24E-09	1.10E-08	1.43E-08	5.03E-10	1.80E-09	2.31E-09	2.71E-10	8.36E-10	1.11E-09
8870	437329.87	3763419.26	3.26E-09	1.11E-08	1.44E-08	5.06E-10	1.81E-09	2.32E-09	2.73E-10	8.41E-10	1.11E-09
8871	437321.09	3763415.64	3.28E-09	1.12E-08	1.45E-08	5.09E-10	1.83E-09	2.34E-09	2.74E-10	8.47E-10	1.12E-09
8872	437312.31	3763412.02	3.3E-09	1.13E-08	1.46E-08	5.13E-10	1.84E-09	2.35E-09	2.76E-10	8.53E-10	1.13E-09
8873	437303.53	3763408.4	3.32E-09	1.13E-08	1.46E-08	5.16E-10	1.85E-09	2.37E-09	2.78E-10	8.58E-10	1.14E-09
8874	437294.75	3763404.78	3.34E-09	1.14E-08	1.47E-08	5.18E-10	1.86E-09	2.38E-09	2.79E-10	8.62E-10	1.14E-09
8875	437285.97	3763401.16	3.35E-09	1.14E-08	1.48E-08	5.20E-10	1.87E-09	2.39E-09	2.80E-10	8.66E-10	1.15E-09
8876	437277.2	3763397.54	3.36E-09	1.15E-08	1.48E-08	5.22E-10	1.87E-09	2.39E-09	2.81E-10	8.68E-10	1.15E-09
8877	437268.42	3763393.92	3.36E-09	1.15E-08	1.48E-08	5.22E-10	1.87E-09	2.39E-09	2.81E-10	8.68E-10	1.15E-09
8878	437259.64	3763390.3	3.36E-09	1.15E-08	1.48E-08	5.23E-10	1.87E-09	2.40E-09	2.81E-10	8.69E-10	1.15E-09
8879	437250.86	3763386.68	3.37E-09	1.15E-08	1.49E-08	5.24E-10	1.88E-09	2.40E-09	2.82E-10	8.71E-10	1.15E-09
8880	437242.08	3763383.06	3.38E-09	1.15E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.83E-10	8.74E-10	1.16E-09
8881	437233.3	3763379.44	3.4E-09	1.16E-08	1.50E-08	5.29E-10	1.90E-09	2.42E-09	2.85E-10	8.79E-10	1.16E-09
8882	437224.52	3763375.82	3.42E-09	1.17E-08	1.51E-08	5.32E-10	1.91E-09	2.44E-09	2.87E-10	8.85E-10	1.17E-09
8883	437215.75	3763372.19	3.45E-09	1.18E-08	1.52E-08	5.36E-10	1.92E-09	2.46E-09	2.89E-10	8.91E-10	1.18E-09
8884	437206.97	3763368.57	3.47E-09	1.18E-08	1.53E-08	5.40E-10	1.93E-09	2.47E-09	2.91E-10	8.97E-10	1.19E-09
8885	437198.19	3763364.95	3.5E-09	1.19E-08	1.54E-08	5.43E-10	1.95E-09	2.49E-09	2.93E-10	9.03E-10	1.20E-09
8886	437189.41	3763361.33	3.52E-09	1.20E-08	1.55E-08	5.47E-10	1.96E-09	2.51E-09	2.95E-10	9.10E-10	1.20E-09
8887	437145.52	3763343.23	3.67E-09	1.25E-08	1.62E-08	5.70E-10	2.04E-09	2.61E-09	3.07E-10	9.48E-10	1.26E-09
8888	437136.74	3763339.61	3.69E-09	1.26E-08	1.63E-08	5.74E-10	2.06E-09	2.63E-09	3.09E-10	9.55E-10	1.26E-09
8889	437127.96	3763335.99	3.72E-09	1.27E-08	1.64E-08	5.78E-10	2.07E-09	2.65E-09	3.11E-10	9.61E-10	1.27E-09
8890	437119.18	3763332.37	3.74E-09	1.28E-08	1.65E-08	5.81E-10	2.08E-09	2.66E-09	3.13E-10	9.66E-10	1.28E-09
8891	437110.4	3763328.75	3.76E-09	1.28E-08	1.66E-08	5.85E-10	2.10E-09	2.68E-09	3.15E-10	9.72E-10	1.29E-09
8892	437101.62	3763325.13	3.79E-09	1.29E-08	1.67E-08	5.88E-10	2.11E-09	2.70E-09	3.17E-10	9.78E-10	1.30E-09
8893	437092.85	3763321.51	3.82E-09	1.30E-08	1.68E-08	5.93E-10	2.13E-09	2.72E-09	3.19E-10	9.86E-10	1.31E-09
8894	437084.07	3763317.89	3.85E-09	1.31E-08	1.70E-08	5.98E-10	2.14E-09	2.74E-09	3.22E-10	9.94E-10	1.32E-09
8895	437075.29	3763314.27	3.87E-09	1.32E-08	1.71E-08	6.02E-10	2.16E-09	2.76E-09	3.24E-10	1.00E-09	1.33E-09
8896	437066.51	3763310.65	3.9E-09	1.33E-08	1.72E-08	6.06E-10	2.17E-09	2.78E-09	3.26E-10	1.01E-09	1.33E-09
8897	437057.73	3763307.03	3.92E-09	1.34E-08	1.73E-08	6.09E-10	2.18E-09	2.79E-09	3.28E-10	1.01E-09	1.34E-09
8898	437048.95	3763303.41	3.94E-09	1.34E-08	1.74E-08	6.13E-10	2.20E-09	2.81E-09	3.30E-10	1.02E-09	1.35E-09
8899	437040.17	3763299.79	3.97E-09	1.35E-08	1.75E-08	6.16E-10	2.21E-09	2.83E-09	3.32E-10	1.03E-09	1.36E-09
8900	437031.4	3763296.17	3.98E-09	1.36E-08	1.76E-08	6.19E-10	2.22E-09	2.84E-09	3.34E-10	1.03E-09	1.36E-09
8901	437022.62	3763292.55	4E-09	1.36E-08	1.77E-08	6.22E-10	2.23E-09	2.85E-09	3.35E-10	1.03E-09	1.37E-09
8902	437013.84	3763288.93	4.02E-09	1.37E-08	1.77E-08	6.24E-10	2.24E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09

8903	437005.06	3763285.31	4.03E-09	1.37E-08	1.78E-08	6.25E-10	2.24E-09	2.87E-09	3.37E-10	1.04E-09	1.38E-09
8904	436996.28	3763281.69	4.03E-09	1.38E-08	1.78E-08	6.27E-10	2.25E-09	2.87E-09	3.38E-10	1.04E-09	1.38E-09
8905	436987.5	3763278.07	4.04E-09	1.38E-08	1.78E-08	6.28E-10	2.25E-09	2.88E-09	3.38E-10	1.04E-09	1.38E-09
8906	436978.72	3763274.45	4.06E-09	1.38E-08	1.79E-08	6.30E-10	2.26E-09	2.89E-09	3.39E-10	1.05E-09	1.39E-09
8907	436969.95	3763270.83	4.06E-09	1.39E-08	1.79E-08	6.31E-10	2.26E-09	2.89E-09	3.40E-10	1.05E-09	1.39E-09
8908	436957.53	3763258.44	4.16E-09	1.42E-08	1.84E-08	6.47E-10	2.32E-09	2.97E-09	3.48E-10	1.08E-09	1.42E-09
8909	436953.89	3763249.67	4.25E-09	1.45E-08	1.88E-08	6.61E-10	2.37E-09	3.03E-09	3.56E-10	1.10E-09	1.45E-09
8910	436950.25	3763240.9	4.34E-09	1.48E-08	1.92E-08	6.75E-10	2.42E-09	3.09E-09	3.64E-10	1.12E-09	1.49E-09
8911	436946.61	3763232.12	4.44E-09	1.51E-08	1.96E-08	6.90E-10	2.47E-09	3.16E-09	3.72E-10	1.15E-09	1.52E-09
8912	436942.97	3763223.35	4.53E-09	1.55E-08	2.00E-08	7.05E-10	2.53E-09	3.23E-09	3.80E-10	1.17E-09	1.55E-09
8913	436939.34	3763214.58	4.63E-09	1.58E-08	2.04E-08	7.20E-10	2.58E-09	3.30E-09	3.88E-10	1.20E-09	1.58E-09
8914	436935.7	3763205.81	4.73E-09	1.61E-08	2.09E-08	7.35E-10	2.63E-09	3.37E-09	3.96E-10	1.22E-09	1.62E-09
8915	436932.06	3763197.04	4.83E-09	1.65E-08	2.13E-08	7.50E-10	2.69E-09	3.44E-09	4.04E-10	1.25E-09	1.65E-09
8916	436928.42	3763188.27	4.92E-09	1.68E-08	2.17E-08	7.65E-10	2.74E-09	3.51E-09	4.12E-10	1.27E-09	1.68E-09
8917	436924.78	3763179.5	5.02E-09	1.71E-08	2.21E-08	7.80E-10	2.80E-09	3.58E-09	4.20E-10	1.30E-09	1.72E-09
8918	436921.14	3763170.73	5.12E-09	1.74E-08	2.26E-08	7.95E-10	2.85E-09	3.64E-09	4.28E-10	1.32E-09	1.75E-09
8919	436917.51	3763161.96	5.22E-09	1.78E-08	2.30E-08	8.11E-10	2.91E-09	3.72E-09	4.37E-10	1.35E-09	1.79E-09
8920	436913.87	3763153.18	5.31E-09	1.81E-08	2.34E-08	8.26E-10	2.96E-09	3.79E-09	4.45E-10	1.37E-09	1.82E-09
8921	436910.23	3763144.41	5.41E-09	1.84E-08	2.38E-08	8.40E-10	3.01E-09	3.85E-09	4.53E-10	1.40E-09	1.85E-09
8922	436906.59	3763135.64	5.5E-09	1.88E-08	2.43E-08	8.55E-10	3.06E-09	3.92E-09	4.60E-10	1.42E-09	1.88E-09
8923	436902.95	3763126.87	5.59E-09	1.91E-08	2.46E-08	8.69E-10	3.11E-09	3.98E-09	4.68E-10	1.44E-09	1.91E-09
8924	436899.31	3763118.1	5.68E-09	1.94E-08	2.50E-08	8.82E-10	3.16E-09	4.05E-09	4.75E-10	1.47E-09	1.94E-09
8925	436895.68	3763109.33	5.76E-09	1.97E-08	2.54E-08	8.96E-10	3.21E-09	4.11E-09	4.82E-10	1.49E-09	1.97E-09
8926	436892.04	3763100.56	5.85E-09	1.99E-08	2.58E-08	9.09E-10	3.26E-09	4.17E-09	4.89E-10	1.51E-09	2.00E-09
8927	436888.4	3763091.79	5.93E-09	2.02E-08	2.61E-08	9.21E-10	3.30E-09	4.22E-09	4.96E-10	1.53E-09	2.03E-09
8928	436884.76	3763083.02	6E-09	2.05E-08	2.65E-08	9.33E-10	3.34E-09	4.28E-09	5.02E-10	1.55E-09	2.05E-09
8929	436881.12	3763074.25	6.08E-09	2.07E-08	2.68E-08	9.44E-10	3.38E-09	4.33E-09	5.09E-10	1.57E-09	2.08E-09
8930	436877.48	3763065.47	6.15E-09	2.10E-08	2.71E-08	9.55E-10	3.42E-09	4.38E-09	5.14E-10	1.59E-09	2.10E-09
8931	436873.85	3763056.7	6.21E-09	2.12E-08	2.74E-08	9.65E-10	3.46E-09	4.42E-09	5.20E-10	1.60E-09	2.12E-09
8932	436870.21	3763047.93	6.27E-09	2.14E-08	2.77E-08	9.75E-10	3.49E-09	4.47E-09	5.25E-10	1.62E-09	2.15E-09
8933	436866.57	3763039.16	6.33E-09	2.16E-08	2.79E-08	9.84E-10	3.53E-09	4.51E-09	5.30E-10	1.64E-09	2.17E-09
8934	436862.93	3763030.39	6.38E-09	2.18E-08	2.82E-08	9.92E-10	3.56E-09	4.55E-09	5.34E-10	1.65E-09	2.18E-09
8935	436859.29	3763021.62	6.43E-09	2.19E-08	2.84E-08	1.00E-09	3.58E-09	4.58E-09	5.39E-10	1.66E-09	2.20E-09
8936	436855.65	3763012.85	6.48E-09	2.21E-08	2.86E-08	1.01E-09	3.61E-09	4.61E-09	5.42E-10	1.67E-09	2.22E-09
8937	436852.01	3763004.08	6.52E-09	2.22E-08	2.87E-08	1.01E-09	3.63E-09	4.64E-09	5.45E-10	1.68E-09	2.23E-09
8938	436848.38	3762995.31	6.55E-09	2.23E-08	2.89E-08	1.02E-09	3.65E-09	4.67E-09	5.48E-10	1.69E-09	2.24E-09
8939	436844.74	3762986.53	6.58E-09	2.24E-08	2.90E-08	1.02E-09	3.67E-09	4.69E-09	5.51E-10	1.70E-09	2.25E-09
8940	436841.1	3762977.76	6.61E-09	2.25E-08	2.91E-08	1.03E-09	3.68E-09	4.71E-09	5.53E-10	1.71E-09	2.26E-09
8941	436837.46	3762968.99	6.63E-09	2.26E-08	2.92E-08	1.03E-09	3.69E-09	4.72E-09	5.55E-10	1.71E-09	2.27E-09
8942	436833.82	3762960.22	6.64E-09	2.27E-08	2.93E-08	1.03E-09	3.70E-09	4.73E-09	5.56E-10	1.72E-09	2.27E-09
8943	436830.18	3762951.45	6.65E-09	2.27E-08	2.93E-08	1.03E-09	3.71E-09	4.74E-09	5.57E-10	1.72E-09	2.28E-09
8944	436826.55	3762942.68	6.66E-09	2.27E-08	2.94E-08	1.03E-09	3.71E-09	4.75E-09	5.58E-10	1.72E-09	2.28E-09
8945	436822.91	3762933.91	6.66E-09	2.27E-08	2.94E-08	1.04E-09	3.71E-09	4.75E-09	5.58E-10	1.72E-09	2.28E-09
8946	436819.27	3762925.14	6.66E-09	2.27E-08	2.94E-08	1.04E-09	3.71E-09	4.75E-09	5.58E-10	1.72E-09	2.28E-09
8947	436815.63	3762916.37	6.66E-09	2.27E-08	2.94E-08	1.03E-09	3.71E-09	4.74E-09	5.57E-10	1.72E-09	2.28E-09
8948	436811.99	3762907.6	6.65E-09	2.27E-08	2.93E-08	1.03E-09	3.70E-09	4.74E-09	5.56E-10	1.72E-09	2.27E-09
8949	437364.98	3763433.74	3.18E-09	1.09E-08	1.40E-08	4.94E-10	1.77E-09	2.27E-09	2.66E-10	8.22E-10	1.09E-09
8950	437374.63	3763433.72	3.2E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.27E-10	1.10E-09
8951	437384.28	3763433.7	3.22E-09	1.10E-08	1.42E-08	5.01E-10	1.79E-09	2.29E-09	2.70E-10	8.32E-10	1.10E-09
8952	437393.93	3763433.68	3.24E-09	1.11E-08	1.43E-08	5.04E-10	1.81E-09	2.31E-09	2.71E-10	8.38E-10	1.11E-09
8953	437403.58	3763433.66	3.26E-09	1.11E-08	1.44E-08	5.07E-10	1.82E-09	2.32E-09	2.73E-10	8.43E-10	1.12E-09
8954	437413.23	3763433.64	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.34E-09	2.75E-10	8.49E-10	1.12E-09
8955	437422.88	3763433.62	3.31E-09	1.13E-08	1.46E-08	5.14E-10	1.84E-09	2.36E-09	2.77E-10	8.55E-10	1.13E-09
8956	437432.53	3763433.6	3.33E-09	1.14E-08	1.47E-08	5.18E-10	1.86E-09	2.37E-09	2.79E-10	8.61E-10	1.14E-09
8957	437442.19	3763433.58	3.35E-09	1.14E-08	1.48E-08	5.21E-10	1.87E-09	2.39E-09	2.80E-10	8.66E-10	1.15E-09
8958	437451.84	3763433.56	3.37E-09	1.15E-08	1.49E-08	5.24E-10	1.88E-09	2.40E-09	2.82E-10	8.71E-10	1.15E-09
8959	437461.49	3763433.54	3.39E-09	1.16E-08	1.50E-08	5.27E-10	1.89E-09	2.42E-09	2.84E-10	8.77E-10	1.16E-09
8960	437471.14	3763433.52	3.43E-09	1.17E-08	1.51E-08	5.33E-10	1.91E-09	2.44E-09	2.87E-10	8.86E-10	1.17E-09
8961	437480.79	3763433.5	3.46E-09	1.18E-08	1.53E-08	5.38E-10	1.93E-09	2.47E-09	2.90E-10	8.95E-10	1.18E-09
8962	437490.44	3763433.48	3.5E-09	1.19E-08	1.54E-08	5.43E-10	1.95E-09	2.49E-09	2.93E-10	9.04E-10	1.20E-09
8963	437500.09	3763433.46	3.53E-09	1.20E-08	1.56E-08	5.48E-10	1.97E-09	2.51E-09	2.95E-10	9.12E-10	1.21E-09

8964	437509.74	3763433.44	3.56E-09	1.21E-08	1.57E-08	5.53E-10	1.98E-09	2.54E-09	2.98E-10	9.20E-10	1.22E-09
8965	437519.39	3763433.42	3.59E-09	1.22E-08	1.58E-08	5.58E-10	2.00E-09	2.56E-09	3.01E-10	9.28E-10	1.23E-09
8966	437529.04	3763433.4	3.62E-09	1.23E-08	1.59E-08	5.62E-10	2.01E-09	2.58E-09	3.03E-10	9.34E-10	1.24E-09
8967	437538.69	3763433.38	3.64E-09	1.24E-08	1.61E-08	5.66E-10	2.03E-09	2.59E-09	3.05E-10	9.41E-10	1.25E-09
8968	437548.34	3763433.36	3.67E-09	1.25E-08	1.62E-08	5.70E-10	2.04E-09	2.61E-09	3.07E-10	9.48E-10	1.25E-09
8969	437356.19	3763460.09	2.92E-09	9.95E-09	1.29E-08	4.53E-10	1.63E-09	2.08E-09	2.44E-10	7.54E-10	9.98E-10
8970	437347.33	3763456.43	2.93E-09	9.99E-09	1.29E-08	4.55E-10	1.63E-09	2.09E-09	2.45E-10	7.57E-10	1.00E-09
8971	437338.48	3763452.78	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.10E-09	2.46E-10	7.61E-10	1.01E-09
8972	437329.62	3763449.13	2.97E-09	1.01E-08	1.31E-08	4.61E-10	1.65E-09	2.11E-09	2.48E-10	7.66E-10	1.01E-09
8973	437320.77	3763445.48	2.99E-09	1.02E-08	1.32E-08	4.64E-10	1.66E-09	2.13E-09	2.50E-10	7.72E-10	1.02E-09
8974	437311.91	3763441.83	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.14E-09	2.52E-10	7.78E-10	1.03E-09
8975	437303.05	3763438.17	3.03E-09	1.03E-08	1.34E-08	4.71E-10	1.69E-09	2.16E-09	2.54E-10	7.84E-10	1.04E-09
8976	437294.2	3763434.52	3.05E-09	1.04E-08	1.34E-08	4.74E-10	1.70E-09	2.17E-09	2.55E-10	7.87E-10	1.04E-09
8977	437285.34	3763430.87	3.06E-09	1.04E-08	1.35E-08	4.76E-10	1.71E-09	2.18E-09	2.56E-10	7.91E-10	1.05E-09
8978	437276.49	3763427.22	3.08E-09	1.05E-08	1.36E-08	4.78E-10	1.71E-09	2.19E-09	2.58E-10	7.95E-10	1.05E-09
8979	437267.63	3763423.57	3.09E-09	1.05E-08	1.36E-08	4.81E-10	1.72E-09	2.20E-09	2.59E-10	7.99E-10	1.06E-09
8980	437258.78	3763419.91	3.1E-09	1.06E-08	1.37E-08	4.82E-10	1.73E-09	2.21E-09	2.59E-10	8.01E-10	1.06E-09
8981	437249.92	3763416.26	3.1E-09	1.06E-08	1.37E-08	4.82E-10	1.73E-09	2.21E-09	2.60E-10	8.02E-10	1.06E-09
8982	437241.07	3763412.61	3.11E-09	1.06E-08	1.37E-08	4.83E-10	1.73E-09	2.21E-09	2.60E-10	8.03E-10	1.06E-09
8983	437232.21	3763408.96	3.11E-09	1.06E-08	1.37E-08	4.84E-10	1.73E-09	2.22E-09	2.61E-10	8.04E-10	1.06E-09
8984	437223.35	3763405.31	3.12E-09	1.06E-08	1.38E-08	4.85E-10	1.74E-09	2.22E-09	2.61E-10	8.06E-10	1.07E-09
8985	437214.5	3763401.65	3.14E-09	1.07E-08	1.38E-08	4.87E-10	1.75E-09	2.23E-09	2.62E-10	8.10E-10	1.07E-09
8986	437205.64	3763398	3.15E-09	1.08E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.15E-10	1.08E-09
8987	437196.79	3763394.35	3.17E-09	1.08E-08	1.40E-08	4.93E-10	1.77E-09	2.26E-09	2.66E-10	8.20E-10	1.09E-09
8988	437187.93	3763390.7	3.19E-09	1.09E-08	1.41E-08	4.96E-10	1.78E-09	2.28E-09	2.67E-10	8.25E-10	1.09E-09
8989	437143.65	3763372.44	3.32E-09	1.13E-08	1.46E-08	5.15E-10	1.85E-09	2.36E-09	2.78E-10	8.57E-10	1.13E-09
8990	437134.8	3763368.79	3.34E-09	1.14E-08	1.47E-08	5.19E-10	1.86E-09	2.38E-09	2.80E-10	8.64E-10	1.14E-09
8991	437125.94	3763365.14	3.37E-09	1.15E-08	1.48E-08	5.23E-10	1.88E-09	2.40E-09	2.82E-10	8.70E-10	1.15E-09
8992	437117.09	3763361.48	3.39E-09	1.15E-08	1.49E-08	5.26E-10	1.89E-09	2.41E-09	2.83E-10	8.75E-10	1.16E-09
8993	437108.23	3763357.83	3.41E-09	1.16E-08	1.50E-08	5.29E-10	1.90E-09	2.43E-09	2.85E-10	8.80E-10	1.16E-09
8994	437099.38	3763354.18	3.42E-09	1.17E-08	1.51E-08	5.32E-10	1.91E-09	2.44E-09	2.87E-10	8.85E-10	1.17E-09
8995	437090.52	3763350.53	3.45E-09	1.18E-08	1.52E-08	5.36E-10	1.92E-09	2.46E-09	2.89E-10	8.91E-10	1.18E-09
8996	437081.67	3763346.88	3.48E-09	1.19E-08	1.53E-08	5.40E-10	1.94E-09	2.48E-09	2.91E-10	8.99E-10	1.19E-09
8997	437072.81	3763343.22	3.51E-09	1.20E-08	1.55E-08	5.45E-10	1.95E-09	2.50E-09	2.93E-10	9.06E-10	1.20E-09
8998	437063.95	3763339.57	3.53E-09	1.20E-08	1.56E-08	5.49E-10	1.97E-09	2.52E-09	2.96E-10	9.13E-10	1.21E-09
8999	437055.1	3763335.92	3.56E-09	1.21E-08	1.57E-08	5.52E-10	1.98E-09	2.53E-09	2.98E-10	9.19E-10	1.22E-09
9000	437046.24	3763332.27	3.58E-09	1.22E-08	1.58E-08	5.56E-10	1.99E-09	2.55E-09	2.99E-10	9.24E-10	1.22E-09
9001	437037.39	3763328.62	3.59E-09	1.23E-08	1.59E-08	5.59E-10	2.00E-09	2.56E-09	3.01E-10	9.29E-10	1.23E-09
9002	437028.53	3763324.96	3.61E-09	1.23E-08	1.59E-08	5.61E-10	2.01E-09	2.57E-09	3.02E-10	9.33E-10	1.23E-09
9003	437019.68	3763321.31	3.62E-09	1.24E-08	1.60E-08	5.63E-10	2.02E-09	2.58E-09	3.03E-10	9.37E-10	1.24E-09
9004	437010.82	3763317.66	3.64E-09	1.24E-08	1.61E-08	5.66E-10	2.03E-09	2.59E-09	3.05E-10	9.41E-10	1.25E-09
9005	437001.96	3763314.01	3.65E-09	1.25E-08	1.61E-08	5.68E-10	2.04E-09	2.60E-09	3.06E-10	9.44E-10	1.25E-09
9006	436993.11	3763310.36	3.67E-09	1.25E-08	1.62E-08	5.70E-10	2.04E-09	2.61E-09	3.07E-10	9.47E-10	1.25E-09
9007	436984.25	3763306.7	3.68E-09	1.25E-08	1.62E-08	5.71E-10	2.05E-09	2.62E-09	3.08E-10	9.50E-10	1.26E-09
9008	436975.4	3763303.05	3.68E-09	1.26E-08	1.62E-08	5.72E-10	2.05E-09	2.62E-09	3.08E-10	9.51E-10	1.26E-09
9009	436966.54	3763299.4	3.69E-09	1.26E-08	1.63E-08	5.73E-10	2.05E-09	2.63E-09	3.09E-10	9.53E-10	1.26E-09
9010	436957.69	3763295.75	3.7E-09	1.26E-08	1.63E-08	5.74E-10	2.06E-09	2.63E-09	3.09E-10	9.55E-10	1.26E-09
9011	436948.83	3763292.1	3.7E-09	1.26E-08	1.63E-08	5.75E-10	2.06E-09	2.64E-09	3.10E-10	9.57E-10	1.27E-09
9012	436936.31	3763279.6	3.79E-09	1.29E-08	1.67E-08	5.89E-10	2.11E-09	2.70E-09	3.17E-10	9.79E-10	1.30E-09
9013	436932.64	3763270.75	3.87E-09	1.32E-08	1.71E-08	6.02E-10	2.16E-09	2.76E-09	3.24E-10	1.00E-09	1.33E-09
9014	436928.96	3763261.9	3.96E-09	1.35E-08	1.75E-08	6.15E-10	2.21E-09	2.82E-09	3.31E-10	1.02E-09	1.35E-09
9015	436925.29	3763253.05	4.05E-09	1.38E-08	1.78E-08	6.29E-10	2.25E-09	2.88E-09	3.39E-10	1.05E-09	1.38E-09
9016	436921.62	3763244.2	4.14E-09	1.41E-08	1.82E-08	6.43E-10	2.30E-09	2.95E-09	3.46E-10	1.07E-09	1.41E-09
9017	436917.95	3763235.36	4.23E-09	1.44E-08	1.86E-08	6.56E-10	2.35E-09	3.01E-09	3.54E-10	1.09E-09	1.45E-09
9018	436914.28	3763226.51	4.31E-09	1.47E-08	1.90E-08	6.70E-10	2.40E-09	3.07E-09	3.61E-10	1.11E-09	1.48E-09
9019	436910.61	3763217.66	4.4E-09	1.50E-08	1.94E-08	6.83E-10	2.45E-09	3.13E-09	3.68E-10	1.14E-09	1.50E-09
9020	436906.94	3763208.81	4.49E-09	1.53E-08	1.98E-08	6.97E-10	2.50E-09	3.20E-09	3.76E-10	1.16E-09	1.53E-09
9021	436903.27	3763199.96	4.58E-09	1.56E-08	2.02E-08	7.11E-10	2.55E-09	3.26E-09	3.83E-10	1.18E-09	1.57E-09
9022	436899.6	3763191.12	4.66E-09	1.59E-08	2.06E-08	7.24E-10	2.60E-09	3.32E-09	3.90E-10	1.20E-09	1.59E-09
9023	436895.93	3763182.27	4.75E-09	1.62E-08	2.09E-08	7.37E-10	2.64E-09	3.38E-09	3.97E-10	1.23E-09	1.62E-09
9024	436892.26	3763173.42	4.83E-09	1.65E-08	2.13E-08	7.50E-10	2.69E-09	3.44E-09	4.04E-10	1.25E-09	1.65E-09

9025	436888.59	3763164.57	4.92E-09	1.68E-08	2.17E-08	7.64E-10	2.74E-09	3.50E-09	4.12E-10	1.27E-09	1.68E-09
9026	436884.92	3763155.72	5E-09	1.71E-08	2.21E-08	7.77E-10	2.79E-09	3.56E-09	4.19E-10	1.29E-09	1.71E-09
9027	436881.25	3763146.88	5.08E-09	1.73E-08	2.24E-08	7.90E-10	2.83E-09	3.62E-09	4.25E-10	1.31E-09	1.74E-09
9028	436877.58	3763138.03	5.16E-09	1.76E-08	2.28E-08	8.02E-10	2.88E-09	3.68E-09	4.32E-10	1.33E-09	1.77E-09
9029	436873.91	3763129.18	5.24E-09	1.79E-08	2.31E-08	8.14E-10	2.92E-09	3.73E-09	4.38E-10	1.35E-09	1.79E-09
9030	436870.24	3763120.33	5.31E-09	1.81E-08	2.34E-08	8.26E-10	2.96E-09	3.79E-09	4.45E-10	1.37E-09	1.82E-09
9031	436866.57	3763111.48	5.39E-09	1.84E-08	2.38E-08	8.37E-10	3.00E-09	3.84E-09	4.51E-10	1.39E-09	1.84E-09
9032	436862.9	3763102.64	5.46E-09	1.86E-08	2.41E-08	8.48E-10	3.04E-09	3.89E-09	4.57E-10	1.41E-09	1.87E-09
9033	436859.23	3763093.79	5.52E-09	1.88E-08	2.44E-08	8.58E-10	3.08E-09	3.93E-09	4.62E-10	1.43E-09	1.89E-09
9034	436855.56	3763084.94	5.59E-09	1.90E-08	2.46E-08	8.68E-10	3.11E-09	3.98E-09	4.68E-10	1.44E-09	1.91E-09
9035	436851.89	3763076.09	5.65E-09	1.93E-08	2.49E-08	8.77E-10	3.15E-09	4.02E-09	4.73E-10	1.46E-09	1.93E-09
9036	436848.22	3763067.24	5.71E-09	1.95E-08	2.52E-08	8.86E-10	3.18E-09	4.06E-09	4.78E-10	1.47E-09	1.95E-09
9037	436844.55	3763058.4	5.76E-09	1.96E-08	2.54E-08	8.95E-10	3.21E-09	4.10E-09	4.82E-10	1.49E-09	1.97E-09
9038	436840.88	3763049.55	5.81E-09	1.98E-08	2.56E-08	9.03E-10	3.24E-09	4.14E-09	4.86E-10	1.50E-09	1.99E-09
9039	436837.21	3763040.7	5.86E-09	2.00E-08	2.58E-08	9.10E-10	3.26E-09	4.17E-09	4.90E-10	1.51E-09	2.00E-09
9040	436833.54	3763031.85	5.9E-09	2.01E-08	2.60E-08	9.17E-10	3.29E-09	4.20E-09	4.94E-10	1.52E-09	2.02E-09
9041	436829.87	3763023	5.94E-09	2.03E-08	2.62E-08	9.23E-10	3.31E-09	4.23E-09	4.97E-10	1.53E-09	2.03E-09
9042	436826.2	3763014.16	5.97E-09	2.04E-08	2.63E-08	9.28E-10	3.33E-09	4.26E-09	5.00E-10	1.54E-09	2.04E-09
9043	436822.53	3763005.31	6.01E-09	2.05E-08	2.65E-08	9.33E-10	3.35E-09	4.28E-09	5.03E-10	1.55E-09	2.05E-09
9044	436818.85	3762996.46	6.03E-09	2.06E-08	2.66E-08	9.37E-10	3.36E-09	4.30E-09	5.05E-10	1.56E-09	2.06E-09
9045	436815.18	3762987.61	6.05E-09	2.06E-08	2.67E-08	9.41E-10	3.37E-09	4.31E-09	5.07E-10	1.56E-09	2.07E-09
9046	436811.51	3762978.76	6.07E-09	2.07E-08	2.68E-08	9.44E-10	3.38E-09	4.33E-09	5.08E-10	1.57E-09	2.08E-09
9047	436807.84	3762969.92	6.09E-09	2.08E-08	2.68E-08	9.46E-10	3.39E-09	4.34E-09	5.10E-10	1.57E-09	2.08E-09
9048	436804.17	3762961.07	6.1E-09	2.08E-08	2.69E-08	9.48E-10	3.40E-09	4.35E-09	5.10E-10	1.58E-09	2.09E-09
9049	436800.5	3762952.22	6.11E-09	2.08E-08	2.69E-08	9.49E-10	3.40E-09	4.35E-09	5.11E-10	1.58E-09	2.09E-09
9050	436796.83	3762943.37	6.11E-09	2.08E-08	2.69E-08	9.49E-10	3.40E-09	4.35E-09	5.11E-10	1.58E-09	2.09E-09
9051	436793.16	3762934.52	6.11E-09	2.08E-08	2.69E-08	9.49E-10	3.40E-09	4.35E-09	5.11E-10	1.58E-09	2.09E-09
9052	436789.49	3762925.68	6.1E-09	2.08E-08	2.69E-08	9.48E-10	3.40E-09	4.35E-09	5.11E-10	1.58E-09	2.09E-09
9053	436785.82	3762916.83	6.1E-09	2.08E-08	2.69E-08	9.47E-10	3.40E-09	4.34E-09	5.10E-10	1.58E-09	2.09E-09
9054	436782.15	3762907.98	6.09E-09	2.08E-08	2.68E-08	9.46E-10	3.39E-09	4.34E-09	5.10E-10	1.57E-09	2.08E-09
9055	437365.04	3763463.74	2.91E-09	9.92E-09	1.28E-08	4.52E-10	1.62E-09	2.07E-09	2.43E-10	7.52E-10	9.95E-10
9056	437374.69	3763463.72	2.93E-09	1.00E-08	1.29E-08	4.56E-10	1.63E-09	2.09E-09	2.46E-10	7.58E-10	1.00E-09
9057	437384.34	3763463.7	2.96E-09	1.01E-08	1.30E-08	4.59E-10	1.65E-09	2.11E-09	2.47E-10	7.64E-10	1.01E-09
9058	437394	3763463.68	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.49E-10	7.70E-10	1.02E-09
9059	437403.65	3763463.66	3E-09	1.02E-08	1.32E-08	4.66E-10	1.67E-09	2.14E-09	2.51E-10	7.75E-10	1.03E-09
9060	437413.3	3763463.64	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.15E-09	2.52E-10	7.79E-10	1.03E-09
9061	437422.95	3763463.62	3.03E-09	1.03E-08	1.34E-08	4.71E-10	1.69E-09	2.16E-09	2.54E-10	7.83E-10	1.04E-09
9062	437432.6	3763463.6	3.05E-09	1.04E-08	1.34E-08	4.73E-10	1.70E-09	2.17E-09	2.55E-10	7.87E-10	1.04E-09
9063	437442.25	3763463.58	3.06E-09	1.04E-08	1.35E-08	4.75E-10	1.70E-09	2.18E-09	2.56E-10	7.89E-10	1.05E-09
9064	437451.9	3763463.56	3.07E-09	1.05E-08	1.35E-08	4.76E-10	1.71E-09	2.18E-09	2.57E-10	7.92E-10	1.05E-09
9065	437461.55	3763463.54	3.08E-09	1.05E-08	1.36E-08	4.78E-10	1.71E-09	2.19E-09	2.58E-10	7.95E-10	1.05E-09
9066	437471.2	3763463.52	3.1E-09	1.06E-08	1.37E-08	4.82E-10	1.73E-09	2.21E-09	2.60E-10	8.02E-10	1.06E-09
9067	437480.85	3763463.5	3.13E-09	1.07E-08	1.38E-08	4.86E-10	1.74E-09	2.23E-09	2.62E-10	8.08E-10	1.07E-09
9068	437490.5	3763463.48	3.15E-09	1.08E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.15E-10	1.08E-09
9069	437500.15	3763463.46	3.18E-09	1.08E-08	1.40E-08	4.94E-10	1.77E-09	2.27E-09	2.66E-10	8.22E-10	1.09E-09
9070	437509.8	3763463.44	3.2E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.28E-09	2.68E-10	8.28E-10	1.10E-09
9071	437519.45	3763463.42	3.23E-09	1.10E-08	1.43E-08	5.02E-10	1.80E-09	2.30E-09	2.70E-10	8.35E-10	1.11E-09
9072	437529.1	3763463.4	3.26E-09	1.11E-08	1.44E-08	5.06E-10	1.81E-09	2.32E-09	2.73E-10	8.41E-10	1.11E-09
9073	437538.75	3763463.38	3.28E-09	1.12E-08	1.45E-08	5.10E-10	1.83E-09	2.34E-09	2.75E-10	8.48E-10	1.12E-09
9074	437548.4	3763463.36	3.31E-09	1.13E-08	1.46E-08	5.14E-10	1.84E-09	2.36E-09	2.77E-10	8.55E-10	1.13E-09
9075	437356.24	3763500.07	2.58E-09	8.81E-09	1.14E-08	4.01E-10	1.44E-09	1.84E-09	2.16E-10	6.68E-10	8.84E-10
9076	437347.35	3763496.41	2.59E-09	8.84E-09	1.14E-08	4.03E-10	1.44E-09	1.85E-09	2.17E-10	6.70E-10	8.87E-10
9077	437338.46	3763492.74	2.6E-09	8.87E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.18E-10	6.72E-10	8.90E-10
9078	437329.57	3763489.07	2.61E-09	8.91E-09	1.15E-08	4.06E-10	1.46E-09	1.86E-09	2.19E-10	6.75E-10	8.94E-10
9079	437320.67	3763485.41	2.63E-09	8.96E-09	1.16E-08	4.08E-10	1.46E-09	1.87E-09	2.20E-10	6.79E-10	8.99E-10
9080	437311.78	3763481.74	2.64E-09	9.02E-09	1.17E-08	4.11E-10	1.47E-09	1.88E-09	2.21E-10	6.83E-10	9.04E-10
9081	437302.89	3763478.07	2.66E-09	9.08E-09	1.17E-08	4.14E-10	1.48E-09	1.90E-09	2.23E-10	6.88E-10	9.11E-10
9082	437294	3763474.41	2.68E-09	9.15E-09	1.18E-08	4.17E-10	1.49E-09	1.91E-09	2.25E-10	6.93E-10	9.18E-10
9083	437285.11	3763470.74	2.7E-09	9.22E-09	1.19E-08	4.20E-10	1.51E-09	1.93E-09	2.26E-10	6.99E-10	9.25E-10
9084	437276.22	3763467.08	2.72E-09	9.27E-09	1.20E-08	4.22E-10	1.51E-09	1.94E-09	2.28E-10	7.03E-10	9.30E-10
9085	437267.33	3763463.41	2.73E-09	9.30E-09	1.20E-08	4.24E-10	1.52E-09	1.94E-09	2.28E-10	7.05E-10	9.33E-10

9086	437258.44	3763459.74	2.74E-09	9.33E-09	1.21E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.07E-10	9.36E-10
9087	437249.55	3763456.08	2.75E-09	9.37E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.10E-10	9.40E-10
9088	437240.66	3763452.41	2.75E-09	9.38E-09	1.21E-08	4.28E-10	1.53E-09	1.96E-09	2.30E-10	7.11E-10	9.41E-10
9089	437231.77	3763448.74	2.76E-09	9.40E-09	1.22E-08	4.28E-10	1.54E-09	1.96E-09	2.31E-10	7.12E-10	9.43E-10
9090	437222.88	3763445.08	2.76E-09	9.41E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.13E-10	9.44E-10
9091	437213.99	3763441.41	2.75E-09	9.36E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.10E-10	9.39E-10
9092	437205.1	3763437.75	2.76E-09	9.41E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.13E-10	9.44E-10
9093	437196.21	3763434.08	2.77E-09	9.45E-09	1.22E-08	4.30E-10	1.54E-09	1.97E-09	2.32E-10	7.16E-10	9.48E-10
9094	437187.32	3763430.41	2.79E-09	9.50E-09	1.23E-08	4.33E-10	1.55E-09	1.99E-09	2.33E-10	7.20E-10	9.53E-10
9095	437142.87	3763412.08	2.92E-09	9.95E-09	1.29E-08	4.54E-10	1.63E-09	2.08E-09	2.44E-10	7.54E-10	9.99E-10
9096	437133.98	3763408.41	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.09E-09	2.46E-10	7.60E-10	1.01E-09
9097	437125.09	3763404.75	2.96E-09	1.01E-08	1.31E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.65E-10	1.01E-09
9098	437116.2	3763401.08	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.50E-10	7.70E-10	1.02E-09
9099	437107.31	3763397.42	3E-09	1.02E-08	1.32E-08	4.67E-10	1.67E-09	2.14E-09	2.51E-10	7.76E-10	1.03E-09
9100	437098.42	3763393.75	3.02E-09	1.03E-08	1.33E-08	4.70E-10	1.68E-09	2.15E-09	2.53E-10	7.81E-10	1.03E-09
9101	437089.53	3763390.08	3.04E-09	1.04E-08	1.34E-08	4.73E-10	1.70E-09	2.17E-09	2.55E-10	7.87E-10	1.04E-09
9102	437080.64	3763386.42	3.06E-09	1.05E-08	1.35E-08	4.76E-10	1.71E-09	2.18E-09	2.57E-10	7.92E-10	1.05E-09
9103	437071.75	3763382.75	3.09E-09	1.05E-08	1.36E-08	4.79E-10	1.72E-09	2.20E-09	2.58E-10	7.97E-10	1.06E-09
9104	437062.86	3763379.08	3.11E-09	1.06E-08	1.37E-08	4.83E-10	1.73E-09	2.21E-09	2.60E-10	8.03E-10	1.06E-09
9105	437053.97	3763375.42	3.13E-09	1.07E-08	1.38E-08	4.87E-10	1.74E-09	2.23E-09	2.62E-10	8.09E-10	1.07E-09
9106	437045.08	3763371.75	3.16E-09	1.08E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.16E-10	1.08E-09
9107	437036.19	3763368.09	3.18E-09	1.08E-08	1.40E-08	4.94E-10	1.77E-09	2.26E-09	2.66E-10	8.21E-10	1.09E-09
9108	437027.29	3763364.42	3.2E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.26E-10	1.09E-09
9109	437018.4	3763360.75	3.22E-09	1.10E-08	1.42E-08	5.00E-10	1.79E-09	2.29E-09	2.69E-10	8.31E-10	1.10E-09
9110	437009.51	3763357.09	3.23E-09	1.10E-08	1.43E-08	5.02E-10	1.80E-09	2.30E-09	2.71E-10	8.35E-10	1.11E-09
9111	437000.62	3763353.42	3.25E-09	1.11E-08	1.43E-08	5.05E-10	1.81E-09	2.32E-09	2.72E-10	8.40E-10	1.11E-09
9112	436991.73	3763349.75	3.27E-09	1.11E-08	1.44E-08	5.08E-10	1.82E-09	2.33E-09	2.74E-10	8.45E-10	1.12E-09
9113	436982.84	3763346.09	3.28E-09	1.12E-08	1.45E-08	5.10E-10	1.83E-09	2.34E-09	2.75E-10	8.49E-10	1.12E-09
9114	436973.95	3763342.42	3.3E-09	1.12E-08	1.45E-08	5.12E-10	1.84E-09	2.35E-09	2.76E-10	8.52E-10	1.13E-09
9115	436965.06	3763338.75	3.3E-09	1.13E-08	1.46E-08	5.14E-10	1.84E-09	2.35E-09	2.77E-10	8.54E-10	1.13E-09
9116	436956.17	3763335.09	3.31E-09	1.13E-08	1.46E-08	5.14E-10	1.84E-09	2.36E-09	2.77E-10	8.55E-10	1.13E-09
9117	436947.28	3763331.42	3.31E-09	1.13E-08	1.46E-08	5.15E-10	1.85E-09	2.36E-09	2.77E-10	8.56E-10	1.13E-09
9118	436938.39	3763327.76	3.32E-09	1.13E-08	1.46E-08	5.15E-10	1.85E-09	2.36E-09	2.78E-10	8.57E-10	1.13E-09
9119	436929.5	3763324.09	3.32E-09	1.13E-08	1.47E-08	5.16E-10	1.85E-09	2.37E-09	2.78E-10	8.59E-10	1.14E-09
9120	436920.61	3763320.42	3.33E-09	1.14E-08	1.47E-08	5.17E-10	1.85E-09	2.37E-09	2.79E-10	8.60E-10	1.14E-09
9121	436908.04	3763307.87	3.39E-09	1.16E-08	1.50E-08	5.27E-10	1.89E-09	2.42E-09	2.84E-10	8.76E-10	1.16E-09
9122	436904.35	3763298.99	3.46E-09	1.18E-08	1.52E-08	5.37E-10	1.93E-09	2.46E-09	2.89E-10	8.93E-10	1.18E-09
9123	436900.67	3763290.11	3.52E-09	1.20E-08	1.55E-08	5.48E-10	1.96E-09	2.51E-09	2.95E-10	9.11E-10	1.21E-09
9124	436896.98	3763281.23	3.6E-09	1.23E-08	1.59E-08	5.59E-10	2.00E-09	2.56E-09	3.01E-10	9.29E-10	1.23E-09
9125	436893.3	3763272.34	3.67E-09	1.25E-08	1.62E-08	5.70E-10	2.04E-09	2.61E-09	3.07E-10	9.48E-10	1.25E-09
9126	436889.61	3763263.46	3.74E-09	1.27E-08	1.65E-08	5.81E-10	2.08E-09	2.66E-09	3.13E-10	9.66E-10	1.28E-09
9127	436885.93	3763254.58	3.81E-09	1.30E-08	1.68E-08	5.93E-10	2.12E-09	2.72E-09	3.19E-10	9.85E-10	1.30E-09
9128	436882.24	3763245.7	3.89E-09	1.33E-08	1.72E-08	6.04E-10	2.17E-09	2.77E-09	3.26E-10	1.01E-09	1.33E-09
9129	436878.56	3763236.81	3.97E-09	1.35E-08	1.75E-08	6.16E-10	2.21E-09	2.82E-09	3.32E-10	1.02E-09	1.36E-09
9130	436874.87	3763227.93	4.04E-09	1.38E-08	1.78E-08	6.28E-10	2.25E-09	2.88E-09	3.38E-10	1.04E-09	1.38E-09
9131	436871.19	3763219.05	4.12E-09	1.40E-08	1.81E-08	6.39E-10	2.29E-09	2.93E-09	3.44E-10	1.06E-09	1.41E-09
9132	436867.5	3763210.16	4.19E-09	1.43E-08	1.85E-08	6.51E-10	2.33E-09	2.99E-09	3.51E-10	1.08E-09	1.43E-09
9133	436863.82	3763201.28	4.27E-09	1.45E-08	1.88E-08	6.63E-10	2.38E-09	3.04E-09	3.57E-10	1.10E-09	1.46E-09
9134	436860.13	3763192.4	4.34E-09	1.48E-08	1.91E-08	6.75E-10	2.42E-09	3.09E-09	3.63E-10	1.12E-09	1.49E-09
9135	436856.45	3763183.52	4.42E-09	1.51E-08	1.95E-08	6.87E-10	2.46E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
9136	436852.77	3763174.63	4.49E-09	1.53E-08	1.98E-08	6.98E-10	2.50E-09	3.20E-09	3.76E-10	1.16E-09	1.54E-09
9137	436849.08	3763165.75	4.57E-09	1.56E-08	2.01E-08	7.10E-10	2.54E-09	3.25E-09	3.82E-10	1.18E-09	1.56E-09
9138	436845.4	3763156.87	4.64E-09	1.58E-08	2.05E-08	7.21E-10	2.58E-09	3.30E-09	3.88E-10	1.20E-09	1.59E-09
9139	436841.71	3763147.99	4.7E-09	1.60E-08	2.07E-08	7.31E-10	2.62E-09	3.35E-09	3.94E-10	1.22E-09	1.61E-09
9140	436838.03	3763139.1	4.77E-09	1.63E-08	2.10E-08	7.41E-10	2.66E-09	3.40E-09	3.99E-10	1.23E-09	1.63E-09
9141	436834.34	3763130.22	4.83E-09	1.65E-08	2.13E-08	7.51E-10	2.69E-09	3.44E-09	4.04E-10	1.25E-09	1.65E-09
9142	436830.66	3763121.34	4.89E-09	1.67E-08	2.16E-08	7.60E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
9143	436826.97	3763112.46	4.95E-09	1.69E-08	2.18E-08	7.69E-10	2.76E-09	3.52E-09	4.14E-10	1.28E-09	1.69E-09
9144	436823.29	3763103.57	5E-09	1.71E-08	2.21E-08	7.77E-10	2.79E-09	3.56E-09	4.19E-10	1.29E-09	1.71E-09
9145	436819.6	3763094.69	5.05E-09	1.72E-08	2.23E-08	7.85E-10	2.82E-09	3.60E-09	4.23E-10	1.31E-09	1.73E-09
9146	436815.92	3763085.81	5.1E-09	1.74E-08	2.25E-08	7.93E-10	2.84E-09	3.63E-09	4.27E-10	1.32E-09	1.75E-09

9147	436812.23	3763076.92	5.15E-09	1.76E-08	2.27E-08	8.00E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
9148	436808.55	3763068.04	5.19E-09	1.77E-08	2.29E-08	8.07E-10	2.89E-09	3.70E-09	4.35E-10	1.34E-09	1.78E-09
9149	436804.86	3763059.16	5.24E-09	1.79E-08	2.31E-08	8.13E-10	2.92E-09	3.73E-09	4.38E-10	1.35E-09	1.79E-09
9150	436801.18	3763050.28	5.27E-09	1.80E-08	2.33E-08	8.19E-10	2.94E-09	3.76E-09	4.41E-10	1.36E-09	1.80E-09
9151	436797.49	3763041.39	5.31E-09	1.81E-08	2.34E-08	8.25E-10	2.96E-09	3.78E-09	4.44E-10	1.37E-09	1.82E-09
9152	436793.81	3763032.51	5.34E-09	1.82E-08	2.35E-08	8.29E-10	2.97E-09	3.80E-09	4.47E-10	1.38E-09	1.83E-09
9153	436790.13	3763023.63	5.37E-09	1.83E-08	2.37E-08	8.34E-10	2.99E-09	3.82E-09	4.49E-10	1.39E-09	1.84E-09
9154	436786.44	3763014.75	5.39E-09	1.84E-08	2.38E-08	8.38E-10	3.00E-09	3.84E-09	4.51E-10	1.39E-09	1.84E-09
9155	436782.76	3763005.86	5.41E-09	1.85E-08	2.39E-08	8.41E-10	3.01E-09	3.86E-09	4.53E-10	1.40E-09	1.85E-09
9156	436779.07	3762996.98	5.43E-09	1.85E-08	2.39E-08	8.44E-10	3.02E-09	3.87E-09	4.54E-10	1.40E-09	1.86E-09
9157	436775.39	3762988.1	5.44E-09	1.86E-08	2.40E-08	8.46E-10	3.03E-09	3.88E-09	4.56E-10	1.41E-09	1.86E-09
9158	437365.13	3763503.74	2.57E-09	8.78E-09	1.14E-08	4.00E-10	1.43E-09	1.83E-09	2.15E-10	6.65E-10	8.81E-10
9159	437374.78	3763503.72	2.59E-09	8.84E-09	1.14E-08	4.03E-10	1.44E-09	1.85E-09	2.17E-10	6.70E-10	8.87E-10
9160	437384.43	3763503.7	2.61E-09	8.91E-09	1.15E-08	4.06E-10	1.46E-09	1.86E-09	2.19E-10	6.75E-10	8.94E-10
9161	437394.08	3763503.68	2.63E-09	8.98E-09	1.16E-08	4.09E-10	1.47E-09	1.88E-09	2.20E-10	6.80E-10	9.01E-10
9162	437403.73	3763503.66	2.65E-09	9.04E-09	1.17E-08	4.12E-10	1.48E-09	1.89E-09	2.22E-10	6.85E-10	9.07E-10
9163	437413.38	3763503.64	2.67E-09	9.10E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.23E-10	6.90E-10	9.13E-10
9164	437423.03	3763503.62	2.69E-09	9.16E-09	1.18E-08	4.17E-10	1.50E-09	1.91E-09	2.25E-10	6.94E-10	9.19E-10
9165	437432.68	3763503.6	2.7E-09	9.21E-09	1.19E-08	4.20E-10	1.50E-09	1.92E-09	2.26E-10	6.98E-10	9.24E-10
9166	437442.33	3763503.58	2.72E-09	9.26E-09	1.20E-08	4.22E-10	1.51E-09	1.94E-09	2.27E-10	7.02E-10	9.29E-10
9167	437451.98	3763503.56	2.73E-09	9.32E-09	1.20E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.06E-10	9.35E-10
9168	437461.63	3763503.54	2.75E-09	9.37E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.10E-10	9.40E-10
9169	437471.28	3763503.52	2.76E-09	9.42E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.13E-10	9.45E-10
9170	437480.93	3763503.5	2.78E-09	9.47E-09	1.22E-08	4.31E-10	1.55E-09	1.98E-09	2.32E-10	7.17E-10	9.50E-10
9171	437490.58	3763503.48	2.79E-09	9.52E-09	1.23E-08	4.34E-10	1.55E-09	1.99E-09	2.34E-10	7.21E-10	9.55E-10
9172	437500.23	3763503.46	2.81E-09	9.58E-09	1.24E-08	4.37E-10	1.57E-09	2.00E-09	2.35E-10	7.26E-10	9.61E-10
9173	437509.88	3763503.44	2.83E-09	9.65E-09	1.25E-08	4.40E-10	1.58E-09	2.02E-09	2.37E-10	7.31E-10	9.68E-10
9174	437519.53	3763503.42	2.85E-09	9.72E-09	1.26E-08	4.43E-10	1.59E-09	2.03E-09	2.39E-10	7.36E-10	9.75E-10
9175	437529.19	3763503.4	2.87E-09	9.79E-09	1.27E-08	4.46E-10	1.60E-09	2.05E-09	2.40E-10	7.42E-10	9.82E-10
9176	437538.84	3763503.38	2.89E-09	9.87E-09	1.28E-08	4.50E-10	1.61E-09	2.06E-09	2.42E-10	7.48E-10	9.90E-10
9177	437548.49	3763503.36	2.92E-09	9.95E-09	1.29E-08	4.53E-10	1.62E-09	2.08E-09	2.44E-10	7.54E-10	9.98E-10
9178	437356.29	3763540.06	2.32E-09	7.91E-09	1.02E-08	3.61E-10	1.29E-09	1.65E-09	1.94E-10	6.00E-10	7.94E-10
9179	437347.37	3763536.38	2.33E-09	7.93E-09	1.03E-08	3.61E-10	1.30E-09	1.66E-09	1.95E-10	6.01E-10	7.96E-10
9180	437338.45	3763532.7	2.33E-09	7.95E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.03E-10	7.98E-10
9181	437329.52	3763529.02	2.34E-09	7.98E-09	1.03E-08	3.64E-10	1.30E-09	1.67E-09	1.96E-10	6.05E-10	8.01E-10
9182	437320.6	3763525.34	2.35E-09	8.00E-09	1.04E-08	3.65E-10	1.31E-09	1.67E-09	1.96E-10	6.07E-10	8.03E-10
9183	437311.68	3763521.66	2.36E-09	8.03E-09	1.04E-08	3.66E-10	1.31E-09	1.68E-09	1.97E-10	6.09E-10	8.06E-10
9184	437302.76	3763517.99	2.36E-09	8.06E-09	1.04E-08	3.67E-10	1.32E-09	1.68E-09	1.98E-10	6.11E-10	8.09E-10
9185	437293.84	3763514.31	2.37E-09	8.09E-09	1.05E-08	3.69E-10	1.32E-09	1.69E-09	1.99E-10	6.13E-10	8.12E-10
9186	437284.92	3763510.63	2.38E-09	8.13E-09	1.05E-08	3.71E-10	1.33E-09	1.70E-09	2.00E-10	6.16E-10	8.16E-10
9187	437276	3763506.95	2.39E-09	8.17E-09	1.06E-08	3.72E-10	1.33E-09	1.71E-09	2.00E-10	6.19E-10	8.19E-10
9188	437267.08	3763503.27	2.4E-09	8.18E-09	1.06E-08	3.73E-10	1.34E-09	1.71E-09	2.01E-10	6.20E-10	8.21E-10
9189	437258.16	3763499.59	2.4E-09	8.20E-09	1.06E-08	3.73E-10	1.34E-09	1.71E-09	2.01E-10	6.21E-10	8.22E-10
9190	437249.23	3763495.91	2.41E-09	8.21E-09	1.06E-08	3.74E-10	1.34E-09	1.72E-09	2.02E-10	6.22E-10	8.24E-10
9191	437240.31	3763492.23	2.42E-09	8.24E-09	1.07E-08	3.75E-10	1.35E-09	1.72E-09	2.02E-10	6.24E-10	8.27E-10
9192	437231.39	3763488.55	2.42E-09	8.26E-09	1.07E-08	3.76E-10	1.35E-09	1.73E-09	2.03E-10	6.26E-10	8.29E-10
9193	437222.47	3763484.87	2.43E-09	8.27E-09	1.07E-08	3.77E-10	1.35E-09	1.73E-09	2.03E-10	6.27E-10	8.30E-10
9194	437213.55	3763481.19	2.44E-09	8.32E-09	1.08E-08	3.79E-10	1.36E-09	1.74E-09	2.04E-10	6.30E-10	8.34E-10
9195	437204.63	3763477.52	2.46E-09	8.37E-09	1.08E-08	3.81E-10	1.37E-09	1.75E-09	2.06E-10	6.34E-10	8.40E-10
9196	437195.71	3763473.84	2.47E-09	8.44E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.39E-10	8.46E-10
9197	437186.79	3763470.16	2.49E-09	8.50E-09	1.10E-08	3.87E-10	1.39E-09	1.78E-09	2.09E-10	6.44E-10	8.53E-10
9198	437142.18	3763451.76	2.61E-09	8.90E-09	1.15E-08	4.05E-10	1.45E-09	1.86E-09	2.18E-10	6.74E-10	8.93E-10
9199	437133.26	3763448.08	2.63E-09	8.95E-09	1.16E-08	4.08E-10	1.46E-09	1.87E-09	2.20E-10	6.78E-10	8.98E-10
9200	437124.34	3763444.4	2.64E-09	9.00E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.82E-10	9.03E-10
9201	437115.42	3763440.73	2.63E-09	8.96E-09	1.16E-08	4.08E-10	1.46E-09	1.87E-09	2.20E-10	6.79E-10	8.99E-10
9202	437106.5	3763437.05	2.64E-09	9.00E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.82E-10	9.03E-10
9203	437097.57	3763433.37	2.66E-09	9.06E-09	1.17E-08	4.13E-10	1.48E-09	1.89E-09	2.22E-10	6.87E-10	9.09E-10
9204	437088.65	3763429.69	2.68E-09	9.13E-09	1.18E-08	4.16E-10	1.49E-09	1.91E-09	2.24E-10	6.92E-10	9.16E-10
9205	437079.73	3763426.01	2.7E-09	9.20E-09	1.19E-08	4.19E-10	1.50E-09	1.92E-09	2.26E-10	6.97E-10	9.23E-10
9206	437070.81	3763422.33	2.72E-09	9.27E-09	1.20E-08	4.22E-10	1.51E-09	1.94E-09	2.28E-10	7.02E-10	9.30E-10
9207	437061.89	3763418.65	2.76E-09	9.40E-09	1.22E-08	4.28E-10	1.54E-09	1.96E-09	2.31E-10	7.12E-10	9.43E-10

9208	437052.97	3763414.97	2.78E-09	9.47E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.50E-10
9209	437044.05	3763411.29	2.8E-09	9.55E-09	1.23E-08	4.35E-10	1.56E-09	2.00E-09	2.34E-10	7.24E-10	9.58E-10
9210	437035.13	3763407.61	2.82E-09	9.62E-09	1.24E-08	4.38E-10	1.57E-09	2.01E-09	2.36E-10	7.29E-10	9.65E-10
9211	437026.2	3763403.94	2.84E-09	9.69E-09	1.25E-08	4.42E-10	1.58E-09	2.02E-09	2.38E-10	7.34E-10	9.72E-10
9212	437017.28	3763400.26	2.86E-09	9.76E-09	1.26E-08	4.45E-10	1.59E-09	2.04E-09	2.39E-10	7.39E-10	9.79E-10
9213	437008.36	3763396.58	2.88E-09	9.83E-09	1.27E-08	4.48E-10	1.61E-09	2.05E-09	2.41E-10	7.45E-10	9.86E-10
9214	436999.44	3763392.9	2.9E-09	9.89E-09	1.28E-08	4.51E-10	1.62E-09	2.07E-09	2.43E-10	7.50E-10	9.92E-10
9215	436990.52	3763389.22	2.92E-09	9.96E-09	1.29E-08	4.54E-10	1.63E-09	2.08E-09	2.44E-10	7.54E-10	9.99E-10
9216	436981.6	3763385.54	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.09E-09	2.46E-10	7.60E-10	1.01E-09
9217	436972.68	3763381.86	2.96E-09	1.01E-08	1.30E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.64E-10	1.01E-09
9218	436963.76	3763378.18	2.97E-09	1.01E-08	1.31E-08	4.62E-10	1.65E-09	2.12E-09	2.49E-10	7.68E-10	1.02E-09
9219	436954.84	3763374.5	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.50E-10	7.70E-10	1.02E-09
9220	436945.91	3763370.82	2.99E-09	1.02E-08	1.32E-08	4.65E-10	1.67E-09	2.13E-09	2.50E-10	7.73E-10	1.02E-09
9221	436936.99	3763367.14	3E-09	1.02E-08	1.32E-08	4.66E-10	1.67E-09	2.14E-09	2.51E-10	7.75E-10	1.03E-09
9222	436928.07	3763363.47	3.01E-09	1.03E-08	1.33E-08	4.67E-10	1.68E-09	2.14E-09	2.52E-10	7.77E-10	1.03E-09
9223	436919.15	3763359.79	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.15E-09	2.52E-10	7.79E-10	1.03E-09
9224	436910.23	3763356.11	3.02E-09	1.03E-08	1.33E-08	4.70E-10	1.68E-09	2.15E-09	2.53E-10	7.81E-10	1.03E-09
9225	436901.31	3763352.43	3.02E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.53E-10	7.80E-10	1.03E-09
9226	436892.39	3763348.75	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.15E-09	2.52E-10	7.79E-10	1.03E-09
9227	436879.77	3763336.16	3.07E-09	1.05E-08	1.35E-08	4.76E-10	1.71E-09	2.18E-09	2.57E-10	7.92E-10	1.05E-09
9228	436876.07	3763327.24	3.12E-09	1.06E-08	1.38E-08	4.85E-10	1.74E-09	2.22E-09	2.61E-10	8.07E-10	1.07E-09
9229	436872.37	3763318.33	3.18E-09	1.08E-08	1.40E-08	4.94E-10	1.77E-09	2.27E-09	2.66E-10	8.22E-10	1.09E-09
9230	436868.68	3763309.42	3.24E-09	1.10E-08	1.43E-08	5.03E-10	1.80E-09	2.31E-09	2.71E-10	8.37E-10	1.11E-09
9231	436864.98	3763300.5	3.29E-09	1.12E-08	1.45E-08	5.12E-10	1.84E-09	2.35E-09	2.76E-10	8.51E-10	1.13E-09
9232	436861.28	3763291.59	3.35E-09	1.14E-08	1.48E-08	5.21E-10	1.87E-09	2.39E-09	2.80E-10	8.66E-10	1.15E-09
9233	436857.58	3763282.68	3.42E-09	1.16E-08	1.51E-08	5.31E-10	1.90E-09	2.43E-09	2.86E-10	8.83E-10	1.17E-09
9234	436853.89	3763273.76	3.48E-09	1.19E-08	1.54E-08	5.41E-10	1.94E-09	2.48E-09	2.92E-10	9.00E-10	1.19E-09
9235	436850.19	3763264.85	3.55E-09	1.21E-08	1.57E-08	5.52E-10	1.98E-09	2.53E-09	2.97E-10	9.18E-10	1.22E-09
9236	436846.49	3763255.94	3.62E-09	1.23E-08	1.60E-08	5.63E-10	2.02E-09	2.58E-09	3.03E-10	9.35E-10	1.24E-09
9237	436842.79	3763247.02	3.68E-09	1.26E-08	1.62E-08	5.72E-10	2.05E-09	2.62E-09	3.08E-10	9.51E-10	1.26E-09
9238	436839.1	3763238.11	3.74E-09	1.28E-08	1.65E-08	5.81E-10	2.08E-09	2.67E-09	3.13E-10	9.67E-10	1.28E-09
9239	436835.4	3763229.19	3.8E-09	1.30E-08	1.68E-08	5.90E-10	2.12E-09	2.71E-09	3.18E-10	9.82E-10	1.30E-09
9240	436831.7	3763220.28	3.87E-09	1.32E-08	1.71E-08	6.01E-10	2.15E-09	2.75E-09	3.24E-10	9.99E-10	1.32E-09
9241	436828	3763211.37	3.93E-09	1.34E-08	1.73E-08	6.11E-10	2.19E-09	2.80E-09	3.29E-10	1.02E-09	1.35E-09
9242	436824.31	3763202.45	4E-09	1.36E-08	1.76E-08	6.21E-10	2.23E-09	2.85E-09	3.35E-10	1.03E-09	1.37E-09
9243	436820.61	3763193.54	4.06E-09	1.39E-08	1.79E-08	6.31E-10	2.26E-09	2.90E-09	3.40E-10	1.05E-09	1.39E-09
9244	436816.91	3763184.63	4.13E-09	1.41E-08	1.82E-08	6.42E-10	2.30E-09	2.94E-09	3.46E-10	1.07E-09	1.41E-09
9245	436813.21	3763175.71	4.2E-09	1.43E-08	1.85E-08	6.52E-10	2.34E-09	2.99E-09	3.51E-10	1.09E-09	1.44E-09
9246	436809.52	3763166.8	4.26E-09	1.45E-08	1.88E-08	6.61E-10	2.37E-09	3.03E-09	3.56E-10	1.10E-09	1.46E-09
9247	436805.82	3763157.89	4.31E-09	1.47E-08	1.90E-08	6.70E-10	2.40E-09	3.07E-09	3.61E-10	1.11E-09	1.47E-09
9248	436802.12	3763148.97	4.36E-09	1.49E-08	1.92E-08	6.78E-10	2.43E-09	3.11E-09	3.65E-10	1.13E-09	1.49E-09
9249	436798.42	3763140.06	4.41E-09	1.51E-08	1.95E-08	6.86E-10	2.46E-09	3.15E-09	3.69E-10	1.14E-09	1.51E-09
9250	436794.73	3763131.15	4.46E-09	1.52E-08	1.97E-08	6.94E-10	2.49E-09	3.18E-09	3.74E-10	1.15E-09	1.53E-09
9251	436791.03	3763122.23	4.51E-09	1.54E-08	1.99E-08	7.01E-10	2.51E-09	3.21E-09	3.78E-10	1.17E-09	1.54E-09
9252	436787.33	3763113.32	4.56E-09	1.55E-08	2.01E-08	7.08E-10	2.54E-09	3.25E-09	3.81E-10	1.18E-09	1.56E-09
9253	436783.63	3763104.41	4.6E-09	1.57E-08	2.03E-08	7.15E-10	2.56E-09	3.28E-09	3.85E-10	1.19E-09	1.57E-09
9254	436779.94	3763095.49	4.64E-09	1.58E-08	2.05E-08	7.21E-10	2.58E-09	3.31E-09	3.88E-10	1.20E-09	1.59E-09
9255	436776.24	3763086.58	4.68E-09	1.59E-08	2.06E-08	7.27E-10	2.61E-09	3.33E-09	3.91E-10	1.21E-09	1.60E-09
9256	436731.87	3762979.62	4.89E-09	1.67E-08	2.16E-08	7.59E-10	2.72E-09	3.48E-09	4.09E-10	1.26E-09	1.67E-09
9257	436728.17	3762970.7	4.89E-09	1.67E-08	2.16E-08	7.60E-10	2.73E-09	3.49E-09	4.10E-10	1.26E-09	1.67E-09
9258	436724.47	3762961.79	4.9E-09	1.67E-08	2.16E-08	7.61E-10	2.73E-09	3.49E-09	4.10E-10	1.26E-09	1.67E-09
9259	436720.78	3762952.88	4.91E-09	1.67E-08	2.16E-08	7.63E-10	2.73E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
9260	436717.08	3762943.96	4.92E-09	1.68E-08	2.17E-08	7.64E-10	2.74E-09	3.50E-09	4.12E-10	1.27E-09	1.68E-09
9261	436713.38	3762935.05	4.92E-09	1.68E-08	2.17E-08	7.65E-10	2.74E-09	3.51E-09	4.12E-10	1.27E-09	1.68E-09
9262	436709.68	3762926.13	4.92E-09	1.68E-08	2.17E-08	7.65E-10	2.74E-09	3.51E-09	4.12E-10	1.27E-09	1.68E-09
9263	436705.99	3762917.22	4.92E-09	1.68E-08	2.17E-08	7.64E-10	2.74E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
9264	436702.29	3762908.31	4.91E-09	1.67E-08	2.16E-08	7.62E-10	2.73E-09	3.50E-09	4.11E-10	1.27E-09	1.68E-09
9265	437365.21	3763543.74	2.32E-09	7.90E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.92E-10
9266	437374.86	3763543.72	2.34E-09	7.96E-09	1.03E-08	3.63E-10	1.30E-09	1.66E-09	1.95E-10	6.03E-10	7.99E-10
9267	437384.51	3763543.7	2.36E-09	8.03E-09	1.04E-08	3.66E-10	1.31E-09	1.68E-09	1.97E-10	6.09E-10	8.06E-10
9268	437394.16	3763543.68	2.38E-09	8.11E-09	1.05E-08	3.69E-10	1.32E-09	1.69E-09	1.99E-10	6.14E-10	8.13E-10

9269	437403.81	3763543.66	2.4E-09	8.17E-09	1.06E-08	3.72E-10	1.34E-09	1.71E-09	2.01E-10	6.19E-10	8.20E-10
9270	437413.46	3763543.64	2.42E-09	8.24E-09	1.07E-08	3.75E-10	1.35E-09	1.72E-09	2.02E-10	6.24E-10	8.26E-10
9271	437423.11	3763543.62	2.43E-09	8.30E-09	1.07E-08	3.78E-10	1.36E-09	1.73E-09	2.04E-10	6.29E-10	8.32E-10
9272	437432.76	3763543.6	2.45E-09	8.35E-09	1.08E-08	3.81E-10	1.36E-09	1.75E-09	2.05E-10	6.33E-10	8.38E-10
9273	437442.41	3763543.58	2.46E-09	8.40E-09	1.09E-08	3.83E-10	1.37E-09	1.75E-09	2.06E-10	6.36E-10	8.43E-10
9274	437452.06	3763543.56	2.48E-09	8.44E-09	1.09E-08	3.85E-10	1.38E-09	1.76E-09	2.07E-10	6.40E-10	8.47E-10
9275	437461.71	3763543.54	2.49E-09	8.48E-09	1.10E-08	3.87E-10	1.39E-09	1.77E-09	2.08E-10	6.43E-10	8.51E-10
9276	437471.37	3763543.52	2.5E-09	8.52E-09	1.10E-08	3.88E-10	1.39E-09	1.78E-09	2.09E-10	6.45E-10	8.54E-10
9277	437481.02	3763543.5	2.51E-09	8.55E-09	1.11E-08	3.89E-10	1.40E-09	1.79E-09	2.10E-10	6.48E-10	8.57E-10
9278	437490.67	3763543.48	2.51E-09	8.57E-09	1.11E-08	3.91E-10	1.40E-09	1.79E-09	2.10E-10	6.50E-10	8.60E-10
9279	437500.32	3763543.46	2.53E-09	8.61E-09	1.11E-08	3.92E-10	1.41E-09	1.80E-09	2.11E-10	6.53E-10	8.64E-10
9280	437509.97	3763543.44	2.54E-09	8.65E-09	1.12E-08	3.94E-10	1.41E-09	1.81E-09	2.12E-10	6.55E-10	8.68E-10
9281	437519.62	3763543.42	2.55E-09	8.69E-09	1.12E-08	3.96E-10	1.42E-09	1.81E-09	2.13E-10	6.58E-10	8.71E-10
9282	437529.27	3763543.4	2.57E-09	8.75E-09	1.13E-08	3.99E-10	1.43E-09	1.83E-09	2.15E-10	6.63E-10	8.78E-10
9283	437538.92	3763543.38	2.59E-09	8.82E-09	1.14E-08	4.02E-10	1.44E-09	1.84E-09	2.17E-10	6.68E-10	8.85E-10
9284	437548.57	3763543.36	2.61E-09	8.89E-09	1.15E-08	4.05E-10	1.45E-09	1.86E-09	2.18E-10	6.74E-10	8.92E-10
9285	437356.5	3763580.11	2.12E-09	7.21E-09	9.33E-09	3.29E-10	1.18E-09	1.51E-09	1.77E-10	5.47E-10	7.24E-10
9286	437347.7	3763576.48	2.12E-09	7.22E-09	9.34E-09	3.29E-10	1.18E-09	1.51E-09	1.77E-10	5.47E-10	7.25E-10
9287	437338.91	3763572.86	2.12E-09	7.22E-09	9.34E-09	3.29E-10	1.18E-09	1.51E-09	1.77E-10	5.47E-10	7.25E-10
9288	437330.11	3763569.23	2.12E-09	7.24E-09	9.36E-09	3.30E-10	1.18E-09	1.51E-09	1.78E-10	5.48E-10	7.26E-10
9289	437321.32	3763565.6	2.13E-09	7.25E-09	9.37E-09	3.30E-10	1.18E-09	1.51E-09	1.78E-10	5.49E-10	7.27E-10
9290	437312.53	3763561.98	2.13E-09	7.26E-09	9.39E-09	3.31E-10	1.19E-09	1.52E-09	1.78E-10	5.50E-10	7.28E-10
9291	437303.73	3763558.35	2.13E-09	7.28E-09	9.41E-09	3.32E-10	1.19E-09	1.52E-09	1.79E-10	5.52E-10	7.30E-10
9292	437294.94	3763554.72	2.14E-09	7.30E-09	9.44E-09	3.33E-10	1.19E-09	1.53E-09	1.79E-10	5.53E-10	7.33E-10
9293	437286.14	3763551.1	2.15E-09	7.33E-09	9.47E-09	3.34E-10	1.20E-09	1.53E-09	1.80E-10	5.55E-10	7.35E-10
9294	437277.35	3763547.47	2.15E-09	7.35E-09	9.50E-09	3.35E-10	1.20E-09	1.54E-09	1.80E-10	5.57E-10	7.37E-10
9295	437268.55	3763543.84	2.16E-09	7.37E-09	9.53E-09	3.36E-10	1.20E-09	1.54E-09	1.81E-10	5.58E-10	7.39E-10
9296	437259.76	3763540.22	2.17E-09	7.39E-09	9.55E-09	3.37E-10	1.21E-09	1.54E-09	1.81E-10	5.60E-10	7.41E-10
9297	437250.96	3763536.59	2.17E-09	7.41E-09	9.58E-09	3.37E-10	1.21E-09	1.55E-09	1.82E-10	5.61E-10	7.43E-10
9298	437242.17	3763532.96	2.18E-09	7.42E-09	9.60E-09	3.38E-10	1.21E-09	1.55E-09	1.82E-10	5.62E-10	7.45E-10
9299	437233.37	3763529.34	2.18E-09	7.44E-09	9.62E-09	3.39E-10	1.21E-09	1.55E-09	1.83E-10	5.63E-10	7.46E-10
9300	437224.58	3763525.71	2.19E-09	7.45E-09	9.64E-09	3.40E-10	1.22E-09	1.56E-09	1.83E-10	5.65E-10	7.48E-10
9301	437215.79	3763522.08	2.19E-09	7.48E-09	9.67E-09	3.41E-10	1.22E-09	1.56E-09	1.84E-10	5.66E-10	7.50E-10
9302	437206.99	3763518.46	2.2E-09	7.52E-09	9.72E-09	3.43E-10	1.23E-09	1.57E-09	1.85E-10	5.70E-10	7.54E-10
9303	437198.2	3763514.83	2.22E-09	7.56E-09	9.78E-09	3.45E-10	1.24E-09	1.58E-09	1.86E-10	5.73E-10	7.59E-10
9304	437189.4	3763511.2	2.23E-09	7.61E-09	9.84E-09	3.47E-10	1.24E-09	1.59E-09	1.87E-10	5.77E-10	7.63E-10
9305	437145.43	3763493.07	2.31E-09	7.88E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.93E-10	5.97E-10	7.90E-10
9306	437136.64	3763489.44	2.32E-09	7.93E-09	1.03E-08	3.61E-10	1.29E-09	1.66E-09	1.95E-10	6.01E-10	7.95E-10
9307	437127.84	3763485.81	2.34E-09	7.98E-09	1.03E-08	3.64E-10	1.30E-09	1.67E-09	1.96E-10	6.05E-10	8.01E-10
9308	437119.05	3763482.19	2.36E-09	8.04E-09	1.04E-08	3.67E-10	1.31E-09	1.68E-09	1.97E-10	6.10E-10	8.07E-10
9309	437110.25	3763478.56	2.4E-09	8.18E-09	1.06E-08	3.73E-10	1.34E-09	1.71E-09	2.01E-10	6.20E-10	8.21E-10
9310	437101.46	3763474.93	2.41E-09	8.23E-09	1.06E-08	3.75E-10	1.35E-09	1.72E-09	2.02E-10	6.24E-10	8.26E-10
9311	437092.66	3763471.31	2.43E-09	8.28E-09	1.07E-08	3.77E-10	1.35E-09	1.73E-09	2.03E-10	6.28E-10	8.31E-10
9312	437083.87	3763467.68	2.44E-09	8.33E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.04E-10	6.31E-10	8.36E-10
9313	437075.07	3763464.05	2.46E-09	8.37E-09	1.08E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.35E-10	8.40E-10
9314	437066.28	3763460.43	2.45E-09	8.35E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.05E-10	6.33E-10	8.38E-10
9315	437057.48	3763456.8	2.46E-09	8.39E-09	1.09E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.36E-10	8.42E-10
9316	437048.69	3763453.17	2.47E-09	8.44E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.39E-10	8.46E-10
9317	437039.9	3763449.55	2.49E-09	8.48E-09	1.10E-08	3.87E-10	1.39E-09	1.77E-09	2.08E-10	6.43E-10	8.51E-10
9318	437031.1	3763445.92	2.51E-09	8.56E-09	1.11E-08	3.90E-10	1.40E-09	1.79E-09	2.10E-10	6.49E-10	8.59E-10
9319	437022.31	3763442.29	2.54E-09	8.67E-09	1.12E-08	3.95E-10	1.42E-09	1.81E-09	2.13E-10	6.57E-10	8.70E-10
9320	437013.51	3763438.67	2.56E-09	8.74E-09	1.13E-08	3.98E-10	1.43E-09	1.83E-09	2.15E-10	6.63E-10	8.77E-10
9321	437004.72	3763435.04	2.58E-09	8.80E-09	1.14E-08	4.01E-10	1.44E-09	1.84E-09	2.16E-10	6.67E-10	8.83E-10
9322	436995.92	3763431.41	2.6E-09	8.85E-09	1.14E-08	4.03E-10	1.45E-09	1.85E-09	2.17E-10	6.71E-10	8.88E-10
9323	436987.13	3763427.79	2.61E-09	8.90E-09	1.15E-08	4.06E-10	1.45E-09	1.86E-09	2.19E-10	6.75E-10	8.93E-10
9324	436978.33	3763424.16	2.63E-09	8.96E-09	1.16E-08	4.08E-10	1.46E-09	1.87E-09	2.20E-10	6.79E-10	8.99E-10
9325	436969.54	3763420.53	2.65E-09	9.02E-09	1.17E-08	4.11E-10	1.47E-09	1.88E-09	2.21E-10	6.84E-10	9.05E-10
9326	436960.74	3763416.91	2.66E-09	9.08E-09	1.17E-08	4.14E-10	1.48E-09	1.90E-09	2.23E-10	6.88E-10	9.11E-10
9327	436951.95	3763413.28	2.68E-09	9.14E-09	1.18E-08	4.17E-10	1.49E-09	1.91E-09	2.24E-10	6.93E-10	9.17E-10
9328	436943.16	3763409.65	2.69E-09	9.19E-09	1.19E-08	4.19E-10	1.50E-09	1.92E-09	2.26E-10	6.96E-10	9.22E-10
9329	436934.36	3763406.03	2.71E-09	9.23E-09	1.19E-08	4.20E-10	1.51E-09	1.93E-09	2.26E-10	6.99E-10	9.26E-10

9330	436925.57	3763402.4	2.72E-09	9.26E-09	1.20E-08	4.22E-10	1.51E-09	1.94E-09	2.27E-10	7.02E-10	9.29E-10
9331	436916.77	3763398.77	2.72E-09	9.29E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.04E-10	9.32E-10
9332	436907.98	3763395.14	2.73E-09	9.30E-09	1.20E-08	4.24E-10	1.52E-09	1.94E-09	2.28E-10	7.05E-10	9.33E-10
9333	436899.18	3763391.52	2.73E-09	9.30E-09	1.20E-08	4.24E-10	1.52E-09	1.94E-09	2.28E-10	7.05E-10	9.33E-10
9334	436890.39	3763387.89	2.73E-09	9.30E-09	1.20E-08	4.24E-10	1.52E-09	1.94E-09	2.28E-10	7.05E-10	9.33E-10
9335	436881.59	3763384.26	2.73E-09	9.31E-09	1.20E-08	4.24E-10	1.52E-09	1.94E-09	2.28E-10	7.05E-10	9.34E-10
9336	436872.8	3763380.64	2.73E-09	9.32E-09	1.20E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.06E-10	9.35E-10
9337	436864.01	3763377.01	2.73E-09	9.32E-09	1.21E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.06E-10	9.35E-10
9338	436851.57	3763364.6	2.78E-09	9.49E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.19E-10	9.52E-10
9339	436847.92	3763355.81	2.83E-09	9.66E-09	1.25E-08	4.40E-10	1.58E-09	2.02E-09	2.37E-10	7.32E-10	9.69E-10
9340	436844.28	3763347.02	2.88E-09	9.83E-09	1.27E-08	4.48E-10	1.61E-09	2.05E-09	2.41E-10	7.45E-10	9.86E-10
9341	436840.63	3763338.24	2.93E-09	1.00E-08	1.29E-08	4.56E-10	1.63E-09	2.09E-09	2.46E-10	7.58E-10	1.00E-09
9342	436836.99	3763329.45	2.99E-09	1.02E-08	1.32E-08	4.64E-10	1.66E-09	2.13E-09	2.50E-10	7.72E-10	1.02E-09
9343	436833.34	3763320.66	3.04E-09	1.04E-08	1.34E-08	4.73E-10	1.70E-09	2.17E-09	2.55E-10	7.86E-10	1.04E-09
9344	436829.7	3763311.88	3.1E-09	1.06E-08	1.37E-08	4.81E-10	1.72E-09	2.21E-09	2.59E-10	8.00E-10	1.06E-09
9345	436826.05	3763303.09	3.15E-09	1.07E-08	1.39E-08	4.90E-10	1.76E-09	2.24E-09	2.64E-10	8.14E-10	1.08E-09
9346	436822.41	3763294.3	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.28E-09	2.68E-10	8.28E-10	1.10E-09
9347	436818.76	3763285.51	3.26E-09	1.11E-08	1.44E-08	5.07E-10	1.82E-09	2.32E-09	2.73E-10	8.43E-10	1.12E-09
9348	436815.12	3763276.73	3.32E-09	1.13E-08	1.46E-08	5.16E-10	1.85E-09	2.36E-09	2.78E-10	8.58E-10	1.14E-09
9349	436811.47	3763267.94	3.37E-09	1.15E-08	1.49E-08	5.24E-10	1.88E-09	2.40E-09	2.82E-10	8.72E-10	1.15E-09
9350	436807.83	3763259.15	3.43E-09	1.17E-08	1.51E-08	5.33E-10	1.91E-09	2.44E-09	2.87E-10	8.86E-10	1.17E-09
9351	436804.18	3763250.37	3.48E-09	1.19E-08	1.54E-08	5.41E-10	1.94E-09	2.48E-09	2.91E-10	8.99E-10	1.19E-09
9352	436800.54	3763241.58	3.53E-09	1.20E-08	1.56E-08	5.49E-10	1.97E-09	2.52E-09	2.96E-10	9.13E-10	1.21E-09
9353	436796.89	3763232.79	3.58E-09	1.22E-08	1.58E-08	5.57E-10	2.00E-09	2.55E-09	3.00E-10	9.26E-10	1.23E-09
9354	436793.25	3763224.01	3.63E-09	1.24E-08	1.60E-08	5.65E-10	2.02E-09	2.59E-09	3.04E-10	9.39E-10	1.24E-09
9355	436789.6	3763215.22	3.69E-09	1.26E-08	1.63E-08	5.73E-10	2.05E-09	2.63E-09	3.09E-10	9.53E-10	1.26E-09
9356	436785.96	3763206.43	3.74E-09	1.28E-08	1.65E-08	5.81E-10	2.08E-09	2.67E-09	3.13E-10	9.67E-10	1.28E-09
9357	436782.31	3763197.64	3.8E-09	1.29E-08	1.67E-08	5.90E-10	2.12E-09	2.71E-09	3.18E-10	9.81E-10	1.30E-09
9358	436742.22	3763100.99	4.24E-09	1.45E-08	1.87E-08	6.60E-10	2.36E-09	3.02E-09	3.55E-10	1.10E-09	1.45E-09
9359	436738.57	3763092.2	4.27E-09	1.46E-08	1.88E-08	6.63E-10	2.38E-09	3.04E-09	3.57E-10	1.10E-09	1.46E-09
9360	436734.93	3763083.41	4.29E-09	1.46E-08	1.89E-08	6.67E-10	2.39E-09	3.06E-09	3.59E-10	1.11E-09	1.47E-09
9361	436731.28	3763074.63	4.32E-09	1.47E-08	1.90E-08	6.71E-10	2.41E-09	3.08E-09	3.61E-10	1.12E-09	1.48E-09
9362	436727.64	3763065.84	4.34E-09	1.48E-08	1.92E-08	6.75E-10	2.42E-09	3.10E-09	3.64E-10	1.12E-09	1.49E-09
9363	436723.99	3763057.05	4.37E-09	1.49E-08	1.93E-08	6.79E-10	2.43E-09	3.11E-09	3.66E-10	1.13E-09	1.49E-09
9364	436720.35	3763048.27	4.39E-09	1.50E-08	1.94E-08	6.82E-10	2.45E-09	3.13E-09	3.68E-10	1.13E-09	1.50E-09
9365	436716.7	3763039.48	4.42E-09	1.51E-08	1.95E-08	6.86E-10	2.46E-09	3.15E-09	3.70E-10	1.14E-09	1.51E-09
9366	436713.06	3763030.69	4.44E-09	1.51E-08	1.96E-08	6.90E-10	2.47E-09	3.16E-09	3.71E-10	1.15E-09	1.52E-09
9367	436709.41	3763021.91	4.45E-09	1.52E-08	1.96E-08	6.92E-10	2.48E-09	3.17E-09	3.73E-10	1.15E-09	1.52E-09
9368	436705.77	3763013.12	4.46E-09	1.52E-08	1.97E-08	6.93E-10	2.49E-09	3.18E-09	3.73E-10	1.15E-09	1.53E-09
9369	436702.12	3763004.33	4.47E-09	1.52E-08	1.97E-08	6.95E-10	2.49E-09	3.19E-09	3.74E-10	1.16E-09	1.53E-09
9370	436698.48	3762995.54	4.48E-09	1.53E-08	1.97E-08	6.96E-10	2.49E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
9371	436694.83	3762986.76	4.48E-09	1.53E-08	1.98E-08	6.96E-10	2.50E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
9372	436691.19	3762977.97	4.48E-09	1.53E-08	1.98E-08	6.97E-10	2.50E-09	3.20E-09	3.75E-10	1.16E-09	1.53E-09
9373	436687.54	3762969.18	4.49E-09	1.53E-08	1.98E-08	6.97E-10	2.50E-09	3.20E-09	3.76E-10	1.16E-09	1.53E-09
9374	436683.9	3762960.4	4.49E-09	1.53E-08	1.98E-08	6.97E-10	2.50E-09	3.20E-09	3.75E-10	1.16E-09	1.53E-09
9375	436680.25	3762951.61	4.48E-09	1.53E-08	1.98E-08	6.96E-10	2.50E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
9376	436676.61	3762942.82	4.48E-09	1.53E-08	1.97E-08	6.96E-10	2.49E-09	3.19E-09	3.75E-10	1.16E-09	1.53E-09
9377	436672.96	3762934.04	4.47E-09	1.52E-08	1.97E-08	6.95E-10	2.49E-09	3.19E-09	3.74E-10	1.16E-09	1.53E-09
9378	436669.32	3762925.25	4.46E-09	1.52E-08	1.97E-08	6.94E-10	2.49E-09	3.18E-09	3.74E-10	1.15E-09	1.53E-09
9379	436665.67	3762916.46	4.46E-09	1.52E-08	1.96E-08	6.92E-10	2.48E-09	3.17E-09	3.73E-10	1.15E-09	1.52E-09
9380	437365.29	3763583.74	2.11E-09	7.21E-09	9.32E-09	3.28E-10	1.18E-09	1.51E-09	1.77E-10	5.46E-10	7.23E-10
9381	437374.94	3763583.72	2.13E-09	7.26E-09	9.39E-09	3.31E-10	1.19E-09	1.52E-09	1.78E-10	5.50E-10	7.28E-10
9382	437384.59	3763583.7	2.14E-09	7.31E-09	9.46E-09	3.33E-10	1.19E-09	1.53E-09	1.80E-10	5.54E-10	7.34E-10
9383	437394.24	3763583.68	2.16E-09	7.37E-09	9.53E-09	3.36E-10	1.20E-09	1.54E-09	1.81E-10	5.58E-10	7.39E-10
9384	437403.89	3763583.66	2.18E-09	7.42E-09	9.60E-09	3.38E-10	1.21E-09	1.55E-09	1.82E-10	5.62E-10	7.45E-10
9385	437413.54	3763583.64	2.19E-09	7.48E-09	9.67E-09	3.41E-10	1.22E-09	1.56E-09	1.84E-10	5.66E-10	7.50E-10
9386	437423.2	3763583.62	2.21E-09	7.53E-09	9.74E-09	3.43E-10	1.23E-09	1.57E-09	1.85E-10	5.71E-10	7.56E-10
9387	437432.85	3763583.6	2.22E-09	7.58E-09	9.81E-09	3.46E-10	1.24E-09	1.58E-09	1.86E-10	5.75E-10	7.61E-10
9388	437442.5	3763583.58	2.24E-09	7.63E-09	9.86E-09	3.48E-10	1.25E-09	1.59E-09	1.87E-10	5.78E-10	7.65E-10
9389	437452.15	3763583.56	2.25E-09	7.68E-09	9.93E-09	3.50E-10	1.25E-09	1.60E-09	1.88E-10	5.82E-10	7.70E-10
9390	437461.8	3763583.54	2.26E-09	7.72E-09	9.98E-09	3.52E-10	1.26E-09	1.61E-09	1.89E-10	5.85E-10	7.74E-10

9391	437471.45	3763583.52	2.27E-09	7.75E-09	1.00E-08	3.53E-10	1.27E-09	1.62E-09	1.90E-10	5.88E-10	7.78E-10
9392	437481.1	3763583.5	2.28E-09	7.79E-09	1.01E-08	3.55E-10	1.27E-09	1.63E-09	1.91E-10	5.90E-10	7.81E-10
9393	437490.75	3763583.48	2.29E-09	7.82E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.93E-10	7.85E-10
9394	437500.4	3763583.46	2.3E-09	7.84E-09	1.01E-08	3.57E-10	1.28E-09	1.64E-09	1.93E-10	5.94E-10	7.87E-10
9395	437510.05	3763583.44	2.31E-09	7.87E-09	1.02E-08	3.59E-10	1.29E-09	1.64E-09	1.93E-10	5.96E-10	7.89E-10
9396	437519.7	3763583.42	2.31E-09	7.89E-09	1.02E-08	3.60E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.92E-10
9397	437529.35	3763583.4	2.33E-09	7.94E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.02E-10	7.97E-10
9398	437539	3763583.38	2.34E-09	7.99E-09	1.03E-08	3.64E-10	1.31E-09	1.67E-09	1.96E-10	6.05E-10	8.02E-10
9399	437548.65	3763583.36	2.36E-09	8.04E-09	1.04E-08	3.67E-10	1.31E-09	1.68E-09	1.97E-10	6.10E-10	8.07E-10
9400	437356.55	3763620.1	1.95E-09	6.64E-09	8.58E-09	3.02E-10	1.08E-09	1.39E-09	1.63E-10	5.03E-10	6.66E-10
9401	437347.72	3763616.46	1.95E-09	6.65E-09	8.59E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.67E-10
9402	437338.9	3763612.82	1.95E-09	6.66E-09	8.61E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.68E-10
9403	437330.07	3763609.18	1.95E-09	6.66E-09	8.62E-09	3.04E-10	1.09E-09	1.39E-09	1.64E-10	5.05E-10	6.69E-10
9404	437321.24	3763605.54	1.96E-09	6.67E-09	8.63E-09	3.04E-10	1.09E-09	1.39E-09	1.64E-10	5.05E-10	6.69E-10
9405	437312.42	3763601.9	1.96E-09	6.67E-09	8.63E-09	3.04E-10	1.09E-09	1.39E-09	1.64E-10	5.06E-10	6.69E-10
9406	437303.59	3763598.26	1.96E-09	6.69E-09	8.65E-09	3.05E-10	1.09E-09	1.40E-09	1.64E-10	5.07E-10	6.71E-10
9407	437294.76	3763594.62	1.96E-09	6.70E-09	8.66E-09	3.05E-10	1.09E-09	1.40E-09	1.64E-10	5.08E-10	6.72E-10
9408	437285.94	3763590.98	1.97E-09	6.72E-09	8.68E-09	3.06E-10	1.10E-09	1.40E-09	1.65E-10	5.09E-10	6.74E-10
9409	437277.11	3763587.34	1.97E-09	6.73E-09	8.71E-09	3.07E-10	1.10E-09	1.41E-09	1.65E-10	5.10E-10	6.76E-10
9410	437268.28	3763583.7	1.98E-09	6.76E-09	8.74E-09	3.08E-10	1.10E-09	1.41E-09	1.66E-10	5.12E-10	6.78E-10
9411	437259.46	3763580.06	1.99E-09	6.77E-09	8.76E-09	3.09E-10	1.11E-09	1.42E-09	1.66E-10	5.13E-10	6.80E-10
9412	437250.63	3763576.42	1.99E-09	6.79E-09	8.78E-09	3.10E-10	1.11E-09	1.42E-09	1.67E-10	5.15E-10	6.81E-10
9413	437241.8	3763572.78	1.99E-09	6.80E-09	8.79E-09	3.10E-10	1.11E-09	1.42E-09	1.67E-10	5.15E-10	6.82E-10
9414	437232.98	3763569.14	2E-09	6.81E-09	8.80E-09	3.10E-10	1.11E-09	1.42E-09	1.67E-10	5.16E-10	6.83E-10
9415	437224.15	3763565.5	2E-09	6.81E-09	8.81E-09	3.10E-10	1.11E-09	1.42E-09	1.67E-10	5.16E-10	6.84E-10
9416	437215.32	3763561.86	2E-09	6.83E-09	8.83E-09	3.11E-10	1.12E-09	1.43E-09	1.68E-10	5.17E-10	6.85E-10
9417	437206.5	3763558.22	2.01E-09	6.84E-09	8.85E-09	3.12E-10	1.12E-09	1.43E-09	1.68E-10	5.19E-10	6.87E-10
9418	437197.67	3763554.58	2.01E-09	6.86E-09	8.88E-09	3.13E-10	1.12E-09	1.43E-09	1.69E-10	5.20E-10	6.89E-10
9419	437188.84	3763550.94	2.02E-09	6.89E-09	8.92E-09	3.14E-10	1.13E-09	1.44E-09	1.69E-10	5.22E-10	6.92E-10
9420	437144.71	3763532.74	2.07E-09	7.06E-09	9.13E-09	3.22E-10	1.15E-09	1.47E-09	1.73E-10	5.35E-10	7.08E-10
9421	437135.88	3763529.1	2.08E-09	7.10E-09	9.18E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.38E-10	7.12E-10
9422	437127.06	3763525.46	2.1E-09	7.15E-09	9.24E-09	3.26E-10	1.17E-09	1.49E-09	1.75E-10	5.42E-10	7.17E-10
9423	437118.23	3763521.82	2.11E-09	7.21E-09	9.32E-09	3.28E-10	1.18E-09	1.51E-09	1.77E-10	5.46E-10	7.23E-10
9424	437109.41	3763518.18	2.13E-09	7.27E-09	9.41E-09	3.31E-10	1.19E-09	1.52E-09	1.79E-10	5.51E-10	7.30E-10
9425	437100.58	3763514.54	2.15E-09	7.34E-09	9.50E-09	3.35E-10	1.20E-09	1.53E-09	1.80E-10	5.56E-10	7.37E-10
9426	437091.75	3763510.9	2.17E-09	7.41E-09	9.58E-09	3.37E-10	1.21E-09	1.55E-09	1.82E-10	5.61E-10	7.43E-10
9427	437082.93	3763507.26	2.21E-09	7.54E-09	9.75E-09	3.44E-10	1.23E-09	1.58E-09	1.85E-10	5.72E-10	7.57E-10
9428	437074.1	3763503.62	2.23E-09	7.59E-09	9.82E-09	3.46E-10	1.24E-09	1.59E-09	1.86E-10	5.75E-10	7.61E-10
9429	437065.27	3763499.98	2.24E-09	7.64E-09	9.88E-09	3.48E-10	1.25E-09	1.60E-09	1.87E-10	5.79E-10	7.66E-10
9430	437056.45	3763496.34	2.25E-09	7.68E-09	9.93E-09	3.50E-10	1.25E-09	1.60E-09	1.88E-10	5.82E-10	7.70E-10
9431	437047.62	3763492.7	2.26E-09	7.72E-09	9.98E-09	3.52E-10	1.26E-09	1.61E-09	1.89E-10	5.85E-10	7.74E-10
9432	437038.79	3763489.06	2.26E-09	7.70E-09	9.95E-09	3.51E-10	1.26E-09	1.61E-09	1.89E-10	5.83E-10	7.72E-10
9433	437029.97	3763485.42	2.27E-09	7.75E-09	1.00E-08	3.53E-10	1.27E-09	1.62E-09	1.90E-10	5.87E-10	7.77E-10
9434	437021.14	3763481.78	2.3E-09	7.84E-09	1.01E-08	3.57E-10	1.28E-09	1.64E-09	1.92E-10	5.94E-10	7.87E-10
9435	437012.31	3763478.14	2.31E-09	7.89E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.91E-10
9436	437003.49	3763474.5	2.33E-09	7.94E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.01E-10	7.96E-10
9437	436994.66	3763470.86	2.34E-09	7.99E-09	1.03E-08	3.64E-10	1.30E-09	1.67E-09	1.96E-10	6.05E-10	8.01E-10
9438	436985.83	3763467.22	2.36E-09	8.04E-09	1.04E-08	3.66E-10	1.31E-09	1.68E-09	1.97E-10	6.09E-10	8.06E-10
9439	436977.01	3763463.58	2.37E-09	8.08E-09	1.04E-08	3.68E-10	1.32E-09	1.69E-09	1.98E-10	6.12E-10	8.10E-10
9440	436968.18	3763459.94	2.38E-09	8.12E-09	1.05E-08	3.70E-10	1.33E-09	1.70E-09	1.99E-10	6.15E-10	8.14E-10
9441	436959.35	3763456.3	2.39E-09	8.16E-09	1.06E-08	3.72E-10	1.33E-09	1.71E-09	2.00E-10	6.18E-10	8.19E-10
9442	436950.53	3763452.66	2.41E-09	8.20E-09	1.06E-08	3.74E-10	1.34E-09	1.71E-09	2.01E-10	6.22E-10	8.23E-10
9443	436941.7	3763449.02	2.42E-09	8.24E-09	1.07E-08	3.76E-10	1.35E-09	1.72E-09	2.02E-10	6.24E-10	8.27E-10
9444	436932.87	3763445.38	2.43E-09	8.28E-09	1.07E-08	3.77E-10	1.35E-09	1.73E-09	2.03E-10	6.27E-10	8.30E-10
9445	436924.05	3763441.74	2.44E-09	8.31E-09	1.07E-08	3.79E-10	1.36E-09	1.74E-09	2.04E-10	6.30E-10	8.34E-10
9446	436915.22	3763438.1	2.45E-09	8.35E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.05E-10	6.33E-10	8.38E-10
9447	436906.39	3763434.46	2.46E-09	8.38E-09	1.08E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.35E-10	8.41E-10
9448	436897.57	3763430.82	2.47E-09	8.41E-09	1.09E-08	3.83E-10	1.37E-09	1.76E-09	2.06E-10	6.37E-10	8.44E-10
9449	436888.74	3763427.18	2.47E-09	8.44E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.39E-10	8.46E-10
9450	436879.92	3763423.54	2.48E-09	8.45E-09	1.09E-08	3.85E-10	1.38E-09	1.77E-09	2.07E-10	6.40E-10	8.48E-10
9451	436871.09	3763419.9	2.48E-09	8.46E-09	1.09E-08	3.86E-10	1.38E-09	1.77E-09	2.08E-10	6.41E-10	8.49E-10

9452	436862.26	3763416.26	2.48E-09	8.46E-09	1.09E-08	3.86E-10	1.38E-09	1.77E-09	2.08E-10	6.41E-10	8.49E-10
9453	436853.44	3763412.62	2.49E-09	8.48E-09	1.10E-08	3.86E-10	1.38E-09	1.77E-09	2.08E-10	6.42E-10	8.50E-10
9454	436844.61	3763408.98	2.49E-09	8.49E-09	1.10E-08	3.87E-10	1.39E-09	1.77E-09	2.08E-10	6.43E-10	8.52E-10
9455	436835.78	3763405.34	2.5E-09	8.51E-09	1.10E-08	3.88E-10	1.39E-09	1.78E-09	2.09E-10	6.45E-10	8.54E-10
9456	436823.3	3763392.88	2.54E-09	8.67E-09	1.12E-08	3.95E-10	1.42E-09	1.81E-09	2.13E-10	6.57E-10	8.70E-10
9457	436819.64	3763384.06	2.59E-09	8.82E-09	1.14E-08	4.02E-10	1.44E-09	1.84E-09	2.16E-10	6.68E-10	8.85E-10
9458	436815.98	3763375.24	2.63E-09	8.97E-09	1.16E-08	4.09E-10	1.46E-09	1.87E-09	2.20E-10	6.79E-10	9.00E-10
9459	436812.32	3763366.42	2.67E-09	9.12E-09	1.18E-08	4.16E-10	1.49E-09	1.91E-09	2.24E-10	6.91E-10	9.15E-10
9460	436808.66	3763357.6	2.72E-09	9.27E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.03E-10	9.30E-10
9461	436805.01	3763348.78	2.77E-09	9.43E-09	1.22E-08	4.30E-10	1.54E-09	1.97E-09	2.32E-10	7.15E-10	9.46E-10
9462	436801.35	3763339.96	2.82E-09	9.61E-09	1.24E-08	4.38E-10	1.57E-09	2.01E-09	2.36E-10	7.28E-10	9.64E-10
9463	436797.69	3763331.15	2.87E-09	9.79E-09	1.27E-08	4.46E-10	1.60E-09	2.04E-09	2.40E-10	7.42E-10	9.82E-10
9464	436794.03	3763322.33	2.92E-09	9.96E-09	1.29E-08	4.54E-10	1.63E-09	2.08E-09	2.45E-10	7.55E-10	1.00E-09
9465	436790.37	3763313.51	2.97E-09	1.01E-08	1.31E-08	4.61E-10	1.65E-09	2.12E-09	2.49E-10	7.67E-10	1.02E-09
9466	436786.71	3763304.69	3.02E-09	1.03E-08	1.33E-08	4.69E-10	1.68E-09	2.15E-09	2.53E-10	7.80E-10	1.03E-09
9467	436783.06	3763295.87	3.06E-09	1.05E-08	1.35E-08	4.76E-10	1.71E-09	2.18E-09	2.57E-10	7.92E-10	1.05E-09
9468	436742.82	3763198.86	3.55E-09	1.21E-08	1.57E-08	5.52E-10	1.98E-09	2.53E-09	2.97E-10	9.18E-10	1.22E-09
9469	436739.16	3763190.04	3.6E-09	1.23E-08	1.59E-08	5.60E-10	2.01E-09	2.57E-09	3.02E-10	9.31E-10	1.23E-09
9470	436735.5	3763181.22	3.65E-09	1.24E-08	1.61E-08	5.67E-10	2.03E-09	2.60E-09	3.05E-10	9.42E-10	1.25E-09
9471	436731.84	3763172.4	3.69E-09	1.26E-08	1.63E-08	5.73E-10	2.05E-09	2.63E-09	3.08E-10	9.52E-10	1.26E-09
9472	436728.18	3763163.59	3.72E-09	1.27E-08	1.64E-08	5.78E-10	2.07E-09	2.65E-09	3.11E-10	9.62E-10	1.27E-09
9473	436724.52	3763154.77	3.76E-09	1.28E-08	1.66E-08	5.84E-10	2.09E-09	2.68E-09	3.14E-10	9.71E-10	1.29E-09
9474	436720.87	3763145.95	3.79E-09	1.29E-08	1.67E-08	5.89E-10	2.11E-09	2.70E-09	3.17E-10	9.79E-10	1.30E-09
9475	436717.21	3763137.13	3.82E-09	1.30E-08	1.69E-08	5.94E-10	2.13E-09	2.72E-09	3.20E-10	9.88E-10	1.31E-09
9476	436713.55	3763128.31	3.85E-09	1.31E-08	1.70E-08	5.98E-10	2.15E-09	2.74E-09	3.22E-10	9.95E-10	1.32E-09
9477	436709.89	3763119.49	3.88E-09	1.32E-08	1.71E-08	6.03E-10	2.16E-09	2.76E-09	3.25E-10	1.00E-09	1.33E-09
9478	436706.23	3763110.67	3.91E-09	1.33E-08	1.72E-08	6.07E-10	2.18E-09	2.78E-09	3.27E-10	1.01E-09	1.34E-09
9479	436702.57	3763101.85	3.93E-09	1.34E-08	1.73E-08	6.11E-10	2.19E-09	2.80E-09	3.29E-10	1.02E-09	1.35E-09
9480	436698.92	3763093.03	3.96E-09	1.35E-08	1.74E-08	6.15E-10	2.20E-09	2.82E-09	3.31E-10	1.02E-09	1.35E-09
9481	436695.26	3763084.21	3.98E-09	1.36E-08	1.75E-08	6.18E-10	2.22E-09	2.83E-09	3.33E-10	1.03E-09	1.36E-09
9482	436691.6	3763075.4	4E-09	1.36E-08	1.76E-08	6.21E-10	2.23E-09	2.85E-09	3.35E-10	1.03E-09	1.37E-09
9483	436687.94	3763066.58	4.01E-09	1.37E-08	1.77E-08	6.24E-10	2.24E-09	2.86E-09	3.36E-10	1.04E-09	1.37E-09
9484	436684.28	3763057.76	4.03E-09	1.37E-08	1.78E-08	6.26E-10	2.25E-09	2.87E-09	3.37E-10	1.04E-09	1.38E-09
9485	436680.62	3763048.94	4.05E-09	1.38E-08	1.78E-08	6.29E-10	2.25E-09	2.88E-09	3.39E-10	1.05E-09	1.38E-09
9486	436676.97	3763040.12	4.06E-09	1.38E-08	1.79E-08	6.31E-10	2.26E-09	2.89E-09	3.40E-10	1.05E-09	1.39E-09
9487	436673.31	3763031.3	4.07E-09	1.39E-08	1.79E-08	6.32E-10	2.27E-09	2.90E-09	3.41E-10	1.05E-09	1.39E-09
9488	436669.65	3763022.48	4.08E-09	1.39E-08	1.80E-08	6.34E-10	2.27E-09	2.91E-09	3.41E-10	1.05E-09	1.40E-09
9489	436665.99	3763013.66	4.09E-09	1.39E-08	1.80E-08	6.35E-10	2.28E-09	2.91E-09	3.42E-10	1.06E-09	1.40E-09
9490	436662.33	3763004.84	4.09E-09	1.39E-08	1.80E-08	6.36E-10	2.28E-09	2.91E-09	3.42E-10	1.06E-09	1.40E-09
9491	436658.67	3762996.02	4.09E-09	1.40E-08	1.81E-08	6.36E-10	2.28E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
9492	436655.02	3762987.21	4.1E-09	1.40E-08	1.81E-08	6.36E-10	2.28E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
9493	436651.36	3762978.39	4.1E-09	1.40E-08	1.81E-08	6.36E-10	2.28E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
9494	436647.7	3762969.57	4.1E-09	1.40E-08	1.81E-08	6.36E-10	2.28E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
9495	436644.04	3762960.75	4.09E-09	1.40E-08	1.80E-08	6.36E-10	2.28E-09	2.92E-09	3.43E-10	1.06E-09	1.40E-09
9496	436640.38	3762951.93	4.09E-09	1.39E-08	1.80E-08	6.35E-10	2.28E-09	2.91E-09	3.42E-10	1.06E-09	1.40E-09
9497	436636.72	3762943.11	4.08E-09	1.39E-08	1.80E-08	6.34E-10	2.27E-09	2.91E-09	3.42E-10	1.06E-09	1.40E-09
9498	436633.07	3762934.29	4.08E-09	1.39E-08	1.80E-08	6.34E-10	2.27E-09	2.91E-09	3.41E-10	1.05E-09	1.40E-09
9499	436629.41	3762925.47	4.07E-09	1.39E-08	1.79E-08	6.32E-10	2.27E-09	2.90E-09	3.41E-10	1.05E-09	1.39E-09
9500	436625.75	3762916.65	4.06E-09	1.39E-08	1.79E-08	6.31E-10	2.26E-09	2.89E-09	3.40E-10	1.05E-09	1.39E-09
9501	437365.38	3763623.74	1.94E-09	6.62E-09	8.56E-09	3.02E-10	1.08E-09	1.38E-09	1.63E-10	5.02E-10	6.64E-10
9502	437375.03	3763623.72	1.95E-09	6.66E-09	8.61E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.05E-10	6.68E-10
9503	437384.68	3763623.7	1.96E-09	6.70E-09	8.66E-09	3.05E-10	1.09E-09	1.40E-09	1.64E-10	5.07E-10	6.72E-10
9504	437394.33	3763623.68	1.97E-09	6.73E-09	8.71E-09	3.07E-10	1.10E-09	1.41E-09	1.65E-10	5.10E-10	6.76E-10
9505	437403.98	3763623.66	1.99E-09	6.77E-09	8.76E-09	3.09E-10	1.11E-09	1.42E-09	1.66E-10	5.13E-10	6.80E-10
9506	437413.63	3763623.64	2E-09	6.82E-09	8.82E-09	3.11E-10	1.11E-09	1.42E-09	1.67E-10	5.17E-10	6.84E-10
9507	437423.28	3763623.62	2.01E-09	6.86E-09	8.87E-09	3.13E-10	1.12E-09	1.43E-09	1.68E-10	5.20E-10	6.88E-10
9508	437432.93	3763623.6	2.03E-09	6.91E-09	8.93E-09	3.15E-10	1.13E-09	1.44E-09	1.70E-10	5.23E-10	6.93E-10
9509	437442.58	3763623.58	2.04E-09	6.95E-09	8.99E-09	3.17E-10	1.14E-09	1.45E-09	1.71E-10	5.27E-10	6.98E-10
9510	437452.23	3763623.56	2.05E-09	7.00E-09	9.05E-09	3.19E-10	1.14E-09	1.46E-09	1.72E-10	5.30E-10	7.02E-10
9511	437461.88	3763623.54	2.07E-09	7.05E-09	9.11E-09	3.21E-10	1.15E-09	1.47E-09	1.73E-10	5.34E-10	7.07E-10
9512	437471.53	3763623.52	2.08E-09	7.09E-09	9.17E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.37E-10	7.11E-10

9513	437481.18	3763623.5	2.09E-09	7.13E-09	9.22E-09	3.25E-10	1.17E-09	1.49E-09	1.75E-10	5.40E-10	7.15E-10
9514	437490.83	3763623.48	2.1E-09	7.17E-09	9.27E-09	3.27E-10	1.17E-09	1.50E-09	1.76E-10	5.43E-10	7.19E-10
9515	437500.48	3763623.46	2.11E-09	7.20E-09	9.32E-09	3.28E-10	1.18E-09	1.51E-09	1.77E-10	5.46E-10	7.23E-10
9516	437510.13	3763623.44	2.12E-09	7.23E-09	9.35E-09	3.30E-10	1.18E-09	1.51E-09	1.78E-10	5.48E-10	7.26E-10
9517	437519.78	3763623.42	2.13E-09	7.26E-09	9.40E-09	3.31E-10	1.19E-09	1.52E-09	1.78E-10	5.51E-10	7.29E-10
9518	437529.43	3763623.4	2.14E-09	7.31E-09	9.45E-09	3.33E-10	1.19E-09	1.53E-09	1.79E-10	5.54E-10	7.33E-10
9519	437539.08	3763623.38	2.16E-09	7.35E-09	9.51E-09	3.35E-10	1.20E-09	1.54E-09	1.80E-10	5.57E-10	7.37E-10
9520	437548.74	3763623.36	2.17E-09	7.39E-09	9.56E-09	3.37E-10	1.21E-09	1.54E-09	1.81E-10	5.60E-10	7.42E-10
9521	437356.6	3763660.09	1.8E-09	6.13E-09	7.93E-09	2.79E-10	1.00E-09	1.28E-09	1.50E-10	4.64E-10	6.15E-10
9522	437347.75	3763656.43	1.8E-09	6.14E-09	7.95E-09	2.80E-10	1.00E-09	1.28E-09	1.51E-10	4.66E-10	6.16E-10
9523	437338.89	3763652.78	1.81E-09	6.16E-09	7.97E-09	2.81E-10	1.01E-09	1.29E-09	1.51E-10	4.67E-10	6.18E-10
9524	437330.04	3763649.13	1.81E-09	6.17E-09	7.98E-09	2.81E-10	1.01E-09	1.29E-09	1.51E-10	4.68E-10	6.19E-10
9525	437321.18	3763645.48	1.81E-09	6.18E-09	7.99E-09	2.81E-10	1.01E-09	1.29E-09	1.52E-10	4.68E-10	6.20E-10
9526	437312.32	3763641.83	1.81E-09	6.18E-09	7.99E-09	2.82E-10	1.01E-09	1.29E-09	1.52E-10	4.68E-10	6.20E-10
9527	437303.47	3763638.17	1.82E-09	6.19E-09	8.01E-09	2.82E-10	1.01E-09	1.29E-09	1.52E-10	4.69E-10	6.21E-10
9528	437294.61	3763634.52	1.82E-09	6.21E-09	8.03E-09	2.83E-10	1.01E-09	1.30E-09	1.52E-10	4.70E-10	6.23E-10
9529	437285.76	3763630.87	1.82E-09	6.22E-09	8.04E-09	2.83E-10	1.02E-09	1.30E-09	1.53E-10	4.71E-10	6.24E-10
9530	437276.9	3763627.22	1.83E-09	6.23E-09	8.06E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.72E-10	6.25E-10
9531	437268.05	3763623.57	1.83E-09	6.25E-09	8.08E-09	2.85E-10	1.02E-09	1.31E-09	1.53E-10	4.74E-10	6.27E-10
9532	437259.19	3763619.91	1.84E-09	6.28E-09	8.12E-09	2.86E-10	1.03E-09	1.31E-09	1.54E-10	4.75E-10	6.30E-10
9533	437250.34	3763616.26	1.85E-09	6.30E-09	8.14E-09	2.87E-10	1.03E-09	1.32E-09	1.55E-10	4.77E-10	6.32E-10
9534	437241.48	3763612.61	1.85E-09	6.30E-09	8.15E-09	2.87E-10	1.03E-09	1.32E-09	1.55E-10	4.78E-10	6.32E-10
9535	437232.62	3763608.96	1.85E-09	6.31E-09	8.16E-09	2.87E-10	1.03E-09	1.32E-09	1.55E-10	4.78E-10	6.33E-10
9536	437223.77	3763605.31	1.85E-09	6.31E-09	8.16E-09	2.88E-10	1.03E-09	1.32E-09	1.55E-10	4.78E-10	6.33E-10
9537	437214.91	3763601.65	1.85E-09	6.32E-09	8.17E-09	2.88E-10	1.03E-09	1.32E-09	1.55E-10	4.79E-10	6.34E-10
9538	437206.06	3763598	1.86E-09	6.33E-09	8.18E-09	2.88E-10	1.03E-09	1.32E-09	1.55E-10	4.79E-10	6.35E-10
9539	437197.2	3763594.35	1.86E-09	6.34E-09	8.20E-09	2.89E-10	1.04E-09	1.32E-09	1.56E-10	4.80E-10	6.36E-10
9540	437188.35	3763590.7	1.86E-09	6.36E-09	8.22E-09	2.90E-10	1.04E-09	1.33E-09	1.56E-10	4.82E-10	6.38E-10
9541	437144.07	3763572.44	1.9E-09	6.49E-09	8.40E-09	2.96E-10	1.06E-09	1.36E-09	1.59E-10	4.92E-10	6.51E-10
9542	437135.21	3763568.79	1.91E-09	6.52E-09	8.43E-09	2.97E-10	1.06E-09	1.36E-09	1.60E-10	4.94E-10	6.54E-10
9543	437126.36	3763565.13	1.92E-09	6.54E-09	8.46E-09	2.98E-10	1.07E-09	1.37E-09	1.61E-10	4.96E-10	6.56E-10
9544	437117.5	3763561.48	1.93E-09	6.57E-09	8.49E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.98E-10	6.59E-10
9545	437108.65	3763557.83	1.94E-09	6.61E-09	8.55E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.01E-10	6.63E-10
9546	437099.79	3763554.18	1.95E-09	6.66E-09	8.61E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.68E-10
9547	437090.94	3763550.53	1.97E-09	6.72E-09	8.68E-09	3.06E-10	1.10E-09	1.40E-09	1.65E-10	5.09E-10	6.74E-10
9548	437082.08	3763546.87	1.99E-09	6.78E-09	8.77E-09	3.09E-10	1.11E-09	1.42E-09	1.66E-10	5.14E-10	6.80E-10
9549	437073.22	3763543.22	2.03E-09	6.92E-09	8.94E-09	3.15E-10	1.13E-09	1.44E-09	1.70E-10	5.24E-10	6.94E-10
9550	437064.37	3763539.57	2.04E-09	6.96E-09	9.01E-09	3.17E-10	1.14E-09	1.45E-09	1.71E-10	5.28E-10	6.99E-10
9551	437055.51	3763535.92	2.05E-09	7.01E-09	9.06E-09	3.19E-10	1.14E-09	1.46E-09	1.72E-10	5.31E-10	7.03E-10
9552	437046.66	3763532.27	2.07E-09	7.05E-09	9.12E-09	3.21E-10	1.15E-09	1.47E-09	1.73E-10	5.35E-10	7.08E-10
9553	437037.8	3763528.61	2.08E-09	7.10E-09	9.19E-09	3.24E-10	1.16E-09	1.48E-09	1.74E-10	5.38E-10	7.13E-10
9554	437028.95	3763524.96	2.09E-09	7.14E-09	9.24E-09	3.25E-10	1.17E-09	1.49E-09	1.75E-10	5.41E-10	7.17E-10
9555	437020.09	3763521.31	2.11E-09	7.18E-09	9.29E-09	3.27E-10	1.17E-09	1.50E-09	1.76E-10	5.44E-10	7.21E-10
9556	437011.23	3763517.66	2.12E-09	7.22E-09	9.34E-09	3.29E-10	1.18E-09	1.51E-09	1.77E-10	5.47E-10	7.24E-10
9557	437002.38	3763514.01	2.13E-09	7.25E-09	9.38E-09	3.31E-10	1.19E-09	1.52E-09	1.78E-10	5.50E-10	7.28E-10
9558	436993.52	3763510.35	2.14E-09	7.29E-09	9.43E-09	3.32E-10	1.19E-09	1.52E-09	1.79E-10	5.53E-10	7.32E-10
9559	436984.67	3763506.7	2.15E-09	7.33E-09	9.48E-09	3.34E-10	1.20E-09	1.53E-09	1.80E-10	5.55E-10	7.35E-10
9560	436975.81	3763503.05	2.16E-09	7.36E-09	9.52E-09	3.36E-10	1.20E-09	1.54E-09	1.81E-10	5.58E-10	7.39E-10
9561	436966.96	3763499.4	2.17E-09	7.40E-09	9.56E-09	3.37E-10	1.21E-09	1.55E-09	1.82E-10	5.60E-10	7.42E-10
9562	436958.1	3763495.75	2.18E-09	7.43E-09	9.61E-09	3.39E-10	1.21E-09	1.55E-09	1.82E-10	5.63E-10	7.45E-10
9563	436949.25	3763492.1	2.19E-09	7.46E-09	9.65E-09	3.40E-10	1.22E-09	1.56E-09	1.83E-10	5.65E-10	7.49E-10
9564	436940.39	3763488.44	2.2E-09	7.49E-09	9.69E-09	3.41E-10	1.22E-09	1.56E-09	1.84E-10	5.67E-10	7.51E-10
9565	436931.53	3763484.79	2.2E-09	7.52E-09	9.72E-09	3.42E-10	1.23E-09	1.57E-09	1.84E-10	5.70E-10	7.54E-10
9566	436922.68	3763481.14	2.21E-09	7.55E-09	9.76E-09	3.44E-10	1.23E-09	1.58E-09	1.85E-10	5.72E-10	7.57E-10
9567	436913.82	3763477.49	2.22E-09	7.58E-09	9.80E-09	3.45E-10	1.24E-09	1.58E-09	1.86E-10	5.74E-10	7.60E-10
9568	436904.97	3763473.84	2.23E-09	7.61E-09	9.84E-09	3.47E-10	1.24E-09	1.59E-09	1.87E-10	5.76E-10	7.63E-10
9569	436896.11	3763470.18	2.24E-09	7.64E-09	9.88E-09	3.48E-10	1.25E-09	1.60E-09	1.87E-10	5.79E-10	7.66E-10
9570	436887.26	3763466.53	2.25E-09	7.67E-09	9.91E-09	3.49E-10	1.25E-09	1.60E-09	1.88E-10	5.81E-10	7.69E-10
9571	436878.4	3763462.88	2.26E-09	7.69E-09	9.95E-09	3.51E-10	1.26E-09	1.61E-09	1.89E-10	5.83E-10	7.72E-10
9572	436869.55	3763459.23	2.26E-09	7.72E-09	9.99E-09	3.52E-10	1.26E-09	1.61E-09	1.90E-10	5.85E-10	7.75E-10
9573	436860.69	3763455.58	2.27E-09	7.75E-09	1.00E-08	3.53E-10	1.27E-09	1.62E-09	1.90E-10	5.87E-10	7.77E-10

9574	436851.83	3763451.92	2.28E-09	7.77E-09	1.01E-08	3.54E-10	1.27E-09	1.62E-09	1.91E-10	5.89E-10	7.80E-10
9575	436842.98	3763448.27	2.29E-09	7.80E-09	1.01E-08	3.55E-10	1.27E-09	1.63E-09	1.91E-10	5.91E-10	7.82E-10
9576	436834.12	3763444.62	2.29E-09	7.82E-09	1.01E-08	3.56E-10	1.28E-09	1.63E-09	1.92E-10	5.93E-10	7.85E-10
9577	436825.27	3763440.97	2.3E-09	7.84E-09	1.01E-08	3.57E-10	1.28E-09	1.64E-09	1.93E-10	5.94E-10	7.87E-10
9578	436816.41	3763437.32	2.31E-09	7.87E-09	1.02E-08	3.58E-10	1.28E-09	1.64E-09	1.93E-10	5.96E-10	7.89E-10
9579	436807.56	3763433.66	2.31E-09	7.89E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.94E-10	5.98E-10	7.91E-10
9580	436795.03	3763421.16	2.35E-09	8.02E-09	1.04E-08	3.66E-10	1.31E-09	1.68E-09	1.97E-10	6.08E-10	8.05E-10
9581	436791.36	3763412.32	2.39E-09	8.15E-09	1.05E-08	3.71E-10	1.33E-09	1.70E-09	2.00E-10	6.17E-10	8.17E-10
9582	436787.69	3763403.47	2.43E-09	8.27E-09	1.07E-08	3.77E-10	1.35E-09	1.73E-09	2.03E-10	6.27E-10	8.30E-10
9583	436784.02	3763394.62	2.46E-09	8.40E-09	1.09E-08	3.83E-10	1.37E-09	1.76E-09	2.06E-10	6.37E-10	8.43E-10
9584	436780.35	3763385.77	2.5E-09	8.53E-09	1.10E-08	3.89E-10	1.39E-09	1.78E-09	2.10E-10	6.47E-10	8.56E-10
9585	436739.98	3763288.44	2.96E-09	1.01E-08	1.31E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.65E-10	1.01E-09
9586	436736.31	3763279.6	3E-09	1.02E-08	1.32E-08	4.66E-10	1.67E-09	2.14E-09	2.51E-10	7.75E-10	1.03E-09
9587	436732.64	3763270.75	3.03E-09	1.03E-08	1.34E-08	4.71E-10	1.69E-09	2.16E-09	2.54E-10	7.84E-10	1.04E-09
9588	436728.96	3763261.9	3.07E-09	1.05E-08	1.35E-08	4.77E-10	1.71E-09	2.19E-09	2.57E-10	7.93E-10	1.05E-09
9589	436725.29	3763253.05	3.1E-09	1.06E-08	1.37E-08	4.82E-10	1.73E-09	2.21E-09	2.60E-10	8.02E-10	1.06E-09
9590	436721.62	3763244.2	3.14E-09	1.07E-08	1.38E-08	4.88E-10	1.75E-09	2.24E-09	2.63E-10	8.11E-10	1.07E-09
9591	436717.95	3763235.36	3.17E-09	1.08E-08	1.40E-08	4.93E-10	1.77E-09	2.26E-09	2.66E-10	8.20E-10	1.09E-09
9592	436714.28	3763226.51	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.29E-09	2.69E-10	8.29E-10	1.10E-09
9593	436710.61	3763217.66	3.25E-09	1.11E-08	1.43E-08	5.05E-10	1.81E-09	2.31E-09	2.72E-10	8.39E-10	1.11E-09
9594	436706.94	3763208.81	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.34E-09	2.75E-10	8.50E-10	1.13E-09
9595	436703.27	3763199.96	3.33E-09	1.14E-08	1.47E-08	5.18E-10	1.86E-09	2.37E-09	2.79E-10	8.61E-10	1.14E-09
9596	436699.6	3763191.12	3.37E-09	1.15E-08	1.49E-08	5.24E-10	1.88E-09	2.40E-09	2.82E-10	8.71E-10	1.15E-09
9597	436695.93	3763182.27	3.41E-09	1.16E-08	1.50E-08	5.30E-10	1.90E-09	2.43E-09	2.85E-10	8.81E-10	1.17E-09
9598	436692.26	3763173.42	3.44E-09	1.17E-08	1.52E-08	5.35E-10	1.92E-09	2.45E-09	2.88E-10	8.90E-10	1.18E-09
9599	436688.59	3763164.57	3.47E-09	1.18E-08	1.53E-08	5.40E-10	1.94E-09	2.48E-09	2.91E-10	8.98E-10	1.19E-09
9600	436684.92	3763155.72	3.5E-09	1.19E-08	1.54E-08	5.44E-10	1.95E-09	2.50E-09	2.93E-10	9.05E-10	1.20E-09
9601	436681.25	3763146.88	3.53E-09	1.20E-08	1.56E-08	5.49E-10	1.97E-09	2.52E-09	2.95E-10	9.12E-10	1.21E-09
9602	436677.58	3763138.03	3.56E-09	1.21E-08	1.57E-08	5.52E-10	1.98E-09	2.53E-09	2.98E-10	9.19E-10	1.22E-09
9603	436673.91	3763129.18	3.58E-09	1.22E-08	1.58E-08	5.56E-10	1.99E-09	2.55E-09	3.00E-10	9.25E-10	1.22E-09
9604	436670.24	3763120.33	3.6E-09	1.23E-08	1.59E-08	5.60E-10	2.01E-09	2.57E-09	3.02E-10	9.31E-10	1.23E-09
9605	436666.57	3763111.48	3.62E-09	1.24E-08	1.60E-08	5.63E-10	2.02E-09	2.58E-09	3.03E-10	9.36E-10	1.24E-09
9606	436662.9	3763102.64	3.64E-09	1.24E-08	1.61E-08	5.66E-10	2.03E-09	2.60E-09	3.05E-10	9.42E-10	1.25E-09
9607	436659.23	3763093.79	3.66E-09	1.25E-08	1.61E-08	5.69E-10	2.04E-09	2.61E-09	3.06E-10	9.46E-10	1.25E-09
9608	436655.56	3763084.94	3.68E-09	1.25E-08	1.62E-08	5.72E-10	2.05E-09	2.62E-09	3.08E-10	9.50E-10	1.26E-09
9609	436651.89	3763076.09	3.69E-09	1.26E-08	1.63E-08	5.74E-10	2.06E-09	2.63E-09	3.09E-10	9.54E-10	1.26E-09
9610	436648.22	3763067.24	3.71E-09	1.26E-08	1.63E-08	5.76E-10	2.07E-09	2.64E-09	3.10E-10	9.58E-10	1.27E-09
9611	436644.55	3763058.4	3.72E-09	1.27E-08	1.64E-08	5.78E-10	2.07E-09	2.65E-09	3.11E-10	9.61E-10	1.27E-09
9612	436640.88	3763049.55	3.73E-09	1.27E-08	1.64E-08	5.79E-10	2.08E-09	2.66E-09	3.12E-10	9.64E-10	1.28E-09
9613	436637.21	3763040.7	3.74E-09	1.27E-08	1.65E-08	5.81E-10	2.08E-09	2.66E-09	3.13E-10	9.66E-10	1.28E-09
9614	436633.54	3763031.85	3.74E-09	1.28E-08	1.65E-08	5.82E-10	2.09E-09	2.67E-09	3.13E-10	9.68E-10	1.28E-09
9615	436629.87	3763023	3.75E-09	1.28E-08	1.65E-08	5.83E-10	2.09E-09	2.67E-09	3.14E-10	9.69E-10	1.28E-09
9616	436626.2	3763014.16	3.75E-09	1.28E-08	1.66E-08	5.83E-10	2.09E-09	2.68E-09	3.14E-10	9.70E-10	1.28E-09
9617	436622.53	3763005.31	3.76E-09	1.28E-08	1.66E-08	5.84E-10	2.09E-09	2.68E-09	3.14E-10	9.71E-10	1.29E-09
9618	436618.85	3762996.46	3.76E-09	1.28E-08	1.66E-08	5.84E-10	2.09E-09	2.68E-09	3.15E-10	9.71E-10	1.29E-09
9619	436615.18	3762987.61	3.76E-09	1.28E-08	1.66E-08	5.84E-10	2.09E-09	2.68E-09	3.15E-10	9.71E-10	1.29E-09
9620	436611.51	3762978.76	3.76E-09	1.28E-08	1.66E-08	5.84E-10	2.09E-09	2.68E-09	3.14E-10	9.71E-10	1.29E-09
9621	436607.84	3762969.92	3.75E-09	1.28E-08	1.66E-08	5.83E-10	2.09E-09	2.68E-09	3.14E-10	9.70E-10	1.28E-09
9622	436604.17	3762961.07	3.75E-09	1.28E-08	1.65E-08	5.82E-10	2.09E-09	2.67E-09	3.14E-10	9.68E-10	1.28E-09
9623	436600.5	3762952.22	3.74E-09	1.28E-08	1.65E-08	5.82E-10	2.09E-09	2.67E-09	3.13E-10	9.67E-10	1.28E-09
9624	436596.83	3762943.37	3.74E-09	1.27E-08	1.65E-08	5.81E-10	2.08E-09	2.66E-09	3.13E-10	9.66E-10	1.28E-09
9625	436593.16	3762934.52	3.73E-09	1.27E-08	1.65E-08	5.80E-10	2.08E-09	2.66E-09	3.12E-10	9.64E-10	1.28E-09
9626	436589.49	3762925.68	3.73E-09	1.27E-08	1.64E-08	5.79E-10	2.08E-09	2.66E-09	3.12E-10	9.63E-10	1.28E-09
9627	436585.82	3762916.83	3.72E-09	1.27E-08	1.64E-08	5.78E-10	2.07E-09	2.65E-09	3.12E-10	9.62E-10	1.27E-09
9628	437365.46	3763663.74	1.79E-09	6.11E-09	7.90E-09	2.78E-10	9.98E-10	1.28E-09	1.50E-10	4.63E-10	6.13E-10
9629	437375.11	3763663.72	1.8E-09	6.14E-09	7.94E-09	2.80E-10	1.00E-09	1.28E-09	1.51E-10	4.65E-10	6.16E-10
9630	437384.76	3763663.7	1.81E-09	6.17E-09	7.97E-09	2.81E-10	1.01E-09	1.29E-09	1.51E-10	4.67E-10	6.19E-10
9631	437394.41	3763663.68	1.82E-09	6.19E-09	8.01E-09	2.82E-10	1.01E-09	1.29E-09	1.52E-10	4.69E-10	6.21E-10
9632	437404.06	3763663.66	1.82E-09	6.22E-09	8.05E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.71E-10	6.24E-10
9633	437413.71	3763663.64	1.83E-09	6.25E-09	8.09E-09	2.85E-10	1.02E-09	1.31E-09	1.54E-10	4.74E-10	6.27E-10
9634	437423.36	3763663.62	1.84E-09	6.29E-09	8.13E-09	2.87E-10	1.03E-09	1.31E-09	1.54E-10	4.77E-10	6.31E-10

9635	437433.01	3763663.6	1.85E-09	6.32E-09	8.18E-09	2.88E-10	1.03E-09	1.32E-09	1.55E-10	4.79E-10	6.34E-10
9636	437442.66	3763663.58	1.87E-09	6.36E-09	8.23E-09	2.90E-10	1.04E-09	1.33E-09	1.56E-10	4.82E-10	6.38E-10
9637	437452.31	3763663.56	1.88E-09	6.40E-09	8.27E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.85E-10	6.42E-10
9638	437461.96	3763663.54	1.89E-09	6.44E-09	8.32E-09	2.93E-10	1.05E-09	1.34E-09	1.58E-10	4.88E-10	6.46E-10
9639	437471.61	3763663.52	1.9E-09	6.48E-09	8.37E-09	2.95E-10	1.06E-09	1.35E-09	1.59E-10	4.91E-10	6.50E-10
9640	437481.26	3763663.5	1.91E-09	6.52E-09	8.43E-09	2.97E-10	1.06E-09	1.36E-09	1.60E-10	4.94E-10	6.54E-10
9641	437490.91	3763663.48	1.92E-09	6.56E-09	8.48E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.97E-10	6.58E-10
9642	437500.57	3763663.46	1.93E-09	6.59E-09	8.52E-09	3.00E-10	1.08E-09	1.38E-09	1.62E-10	4.99E-10	6.61E-10
9643	437510.22	3763663.44	1.94E-09	6.62E-09	8.56E-09	3.02E-10	1.08E-09	1.38E-09	1.62E-10	5.01E-10	6.64E-10
9644	437519.87	3763663.42	1.95E-09	6.65E-09	8.59E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.67E-10
9645	437529.52	3763663.4	1.96E-09	6.68E-09	8.64E-09	3.04E-10	1.09E-09	1.40E-09	1.64E-10	5.06E-10	6.70E-10
9646	437539.17	3763663.38	1.97E-09	6.71E-09	8.67E-09	3.06E-10	1.10E-09	1.40E-09	1.65E-10	5.08E-10	6.73E-10
9647	437548.82	3763663.36	1.98E-09	6.74E-09	8.72E-09	3.07E-10	1.10E-09	1.41E-09	1.65E-10	5.11E-10	6.76E-10
9648	437356.66	3763700.08	1.67E-09	5.68E-09	7.34E-09	2.59E-10	9.28E-10	1.19E-09	1.39E-10	4.30E-10	5.70E-10
9649	437347.78	3763696.41	1.67E-09	5.69E-09	7.36E-09	2.59E-10	9.30E-10	1.19E-09	1.40E-10	4.31E-10	5.71E-10
9650	437338.89	3763692.75	1.67E-09	5.71E-09	7.38E-09	2.60E-10	9.32E-10	1.19E-09	1.40E-10	4.32E-10	5.73E-10
9651	437285.6	3763670.77	1.69E-09	5.77E-09	7.46E-09	2.63E-10	9.42E-10	1.20E-09	1.42E-10	4.37E-10	5.78E-10
9652	437276.72	3763667.11	1.69E-09	5.78E-09	7.47E-09	2.63E-10	9.44E-10	1.21E-09	1.42E-10	4.38E-10	5.80E-10
9653	437267.84	3763663.45	1.7E-09	5.79E-09	7.49E-09	2.64E-10	9.47E-10	1.21E-09	1.42E-10	4.39E-10	5.81E-10
9654	437258.96	3763659.78	1.7E-09	5.81E-09	7.52E-09	2.65E-10	9.49E-10	1.21E-09	1.43E-10	4.40E-10	5.83E-10
9655	437250.07	3763656.12	1.71E-09	5.83E-09	7.54E-09	2.66E-10	9.52E-10	1.22E-09	1.43E-10	4.42E-10	5.85E-10
9656	437241.19	3763652.46	1.71E-09	5.84E-09	7.55E-09	2.66E-10	9.54E-10	1.22E-09	1.43E-10	4.42E-10	5.86E-10
9657	437232.31	3763648.79	1.71E-09	5.85E-09	7.56E-09	2.66E-10	9.55E-10	1.22E-09	1.43E-10	4.43E-10	5.86E-10
9658	437223.43	3763645.13	1.72E-09	5.85E-09	7.57E-09	2.67E-10	9.56E-10	1.22E-09	1.44E-10	4.43E-10	5.87E-10
9659	437214.55	3763641.47	1.72E-09	5.86E-09	7.57E-09	2.67E-10	9.57E-10	1.22E-09	1.44E-10	4.44E-10	5.88E-10
9660	437205.66	3763637.81	1.72E-09	5.86E-09	7.58E-09	2.67E-10	9.58E-10	1.22E-09	1.44E-10	4.44E-10	5.88E-10
9661	437196.78	3763634.14	1.72E-09	5.87E-09	7.59E-09	2.67E-10	9.58E-10	1.23E-09	1.44E-10	4.45E-10	5.89E-10
9662	437187.9	3763630.48	1.72E-09	5.88E-09	7.60E-09	2.68E-10	9.60E-10	1.23E-09	1.44E-10	4.45E-10	5.90E-10
9663	437116.84	3763601.18	1.79E-09	6.12E-09	7.92E-09	2.79E-10	1.00E-09	1.28E-09	1.50E-10	4.64E-10	6.14E-10
9664	437107.96	3763597.51	1.8E-09	6.14E-09	7.94E-09	2.80E-10	1.00E-09	1.28E-09	1.51E-10	4.65E-10	6.16E-10
9665	437099.08	3763593.85	1.81E-09	6.16E-09	7.96E-09	2.80E-10	1.01E-09	1.29E-09	1.51E-10	4.66E-10	6.17E-10
9666	437090.2	3763590.19	1.82E-09	6.19E-09	8.00E-09	2.82E-10	1.01E-09	1.29E-09	1.52E-10	4.69E-10	6.21E-10
9667	437081.32	3763586.53	1.83E-09	6.23E-09	8.06E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.72E-10	6.25E-10
9668	437072.43	3763582.86	1.86E-09	6.34E-09	8.21E-09	2.89E-10	1.04E-09	1.33E-09	1.56E-10	4.81E-10	6.36E-10
9669	437063.55	3763579.2	1.87E-09	6.38E-09	8.25E-09	2.91E-10	1.04E-09	1.33E-09	1.57E-10	4.83E-10	6.40E-10
9670	437054.67	3763575.54	1.88E-09	6.41E-09	8.29E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.86E-10	6.43E-10
9671	437045.79	3763571.87	1.89E-09	6.45E-09	8.34E-09	2.94E-10	1.05E-09	1.35E-09	1.58E-10	4.88E-10	6.47E-10
9672	437036.91	3763568.21	1.9E-09	6.48E-09	8.38E-09	2.95E-10	1.06E-09	1.35E-09	1.59E-10	4.91E-10	6.50E-10
9673	437028.02	3763564.55	1.91E-09	6.52E-09	8.43E-09	2.97E-10	1.07E-09	1.36E-09	1.60E-10	4.94E-10	6.54E-10
9674	437019.14	3763560.89	1.92E-09	6.56E-09	8.49E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.97E-10	6.58E-10
9675	437010.26	3763557.22	1.94E-09	6.61E-09	8.55E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.01E-10	6.63E-10
9676	437001.38	3763553.56	1.95E-09	6.65E-09	8.59E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.67E-10
9677	436992.5	3763549.9	1.96E-09	6.68E-09	8.64E-09	3.05E-10	1.09E-09	1.40E-09	1.64E-10	5.06E-10	6.70E-10
9678	436983.61	3763546.23	1.97E-09	6.72E-09	8.69E-09	3.06E-10	1.10E-09	1.40E-09	1.65E-10	5.09E-10	6.74E-10
9679	436974.73	3763542.57	1.98E-09	6.75E-09	8.73E-09	3.08E-10	1.10E-09	1.41E-09	1.66E-10	5.12E-10	6.77E-10
9680	436965.85	3763538.91	1.99E-09	6.78E-09	8.77E-09	3.09E-10	1.11E-09	1.42E-09	1.66E-10	5.14E-10	6.80E-10
9681	436956.97	3763535.25	2E-09	6.81E-09	8.81E-09	3.10E-10	1.11E-09	1.42E-09	1.67E-10	5.16E-10	6.83E-10
9682	436948.09	3763531.58	2E-09	6.84E-09	8.84E-09	3.11E-10	1.12E-09	1.43E-09	1.68E-10	5.18E-10	6.86E-10
9683	436939.2	3763527.92	2.01E-09	6.86E-09	8.87E-09	3.12E-10	1.12E-09	1.43E-09	1.68E-10	5.20E-10	6.88E-10
9684	436930.32	3763524.26	2.02E-09	6.88E-09	8.90E-09	3.14E-10	1.12E-09	1.44E-09	1.69E-10	5.21E-10	6.90E-10
9685	436921.44	3763520.59	2.02E-09	6.90E-09	8.93E-09	3.15E-10	1.13E-09	1.44E-09	1.69E-10	5.23E-10	6.92E-10
9686	436912.56	3763516.93	2.03E-09	6.93E-09	8.96E-09	3.16E-10	1.13E-09	1.45E-09	1.70E-10	5.25E-10	6.95E-10
9687	436903.68	3763513.27	2.04E-09	6.95E-09	8.99E-09	3.17E-10	1.14E-09	1.45E-09	1.71E-10	5.27E-10	6.97E-10
9688	436894.79	3763509.61	2.04E-09	6.97E-09	9.02E-09	3.18E-10	1.14E-09	1.46E-09	1.71E-10	5.28E-10	6.99E-10
9689	436885.91	3763505.94	2.05E-09	7.00E-09	9.06E-09	3.19E-10	1.14E-09	1.46E-09	1.72E-10	5.31E-10	7.03E-10
9690	436877.03	3763502.28	2.06E-09	7.04E-09	9.10E-09	3.21E-10	1.15E-09	1.47E-09	1.73E-10	5.33E-10	7.06E-10
9691	436868.15	3763498.62	2.07E-09	7.07E-09	9.15E-09	3.22E-10	1.16E-09	1.48E-09	1.74E-10	5.36E-10	7.10E-10
9692	436859.27	3763494.95	2.08E-09	7.10E-09	9.18E-09	3.24E-10	1.16E-09	1.48E-09	1.74E-10	5.38E-10	7.12E-10
9693	436850.38	3763491.29	2.09E-09	7.12E-09	9.21E-09	3.25E-10	1.16E-09	1.49E-09	1.75E-10	5.40E-10	7.15E-10
9694	436841.5	3763487.63	2.1E-09	7.15E-09	9.25E-09	3.26E-10	1.17E-09	1.49E-09	1.76E-10	5.42E-10	7.17E-10
9695	436832.62	3763483.97	2.1E-09	7.17E-09	9.28E-09	3.27E-10	1.17E-09	1.50E-09	1.76E-10	5.44E-10	7.20E-10

9696	436823.74	3763480.3	2.11E-09	7.20E-09	9.31E-09	3.28E-10	1.18E-09	1.50E-09	1.77E-10	5.46E-10	7.22E-10
9697	436814.86	3763476.64	2.12E-09	7.23E-09	9.35E-09	3.29E-10	1.18E-09	1.51E-09	1.77E-10	5.48E-10	7.25E-10
9698	436805.97	3763472.98	2.13E-09	7.26E-09	9.39E-09	3.31E-10	1.19E-09	1.52E-09	1.78E-10	5.50E-10	7.28E-10
9699	436797.09	3763469.31	2.14E-09	7.29E-09	9.42E-09	3.32E-10	1.19E-09	1.52E-09	1.79E-10	5.52E-10	7.31E-10
9700	436788.21	3763465.65	2.14E-09	7.30E-09	9.44E-09	3.33E-10	1.19E-09	1.53E-09	1.79E-10	5.53E-10	7.32E-10
9701	436779.33	3763461.99	2.14E-09	7.31E-09	9.46E-09	3.33E-10	1.19E-09	1.53E-09	1.80E-10	5.54E-10	7.34E-10
9702	436744.68	3763396.2	2.38E-09	8.12E-09	1.05E-08	3.70E-10	1.33E-09	1.70E-09	1.99E-10	6.16E-10	8.15E-10
9703	436741	3763387.33	2.42E-09	8.25E-09	1.07E-08	3.76E-10	1.35E-09	1.72E-09	2.02E-10	6.25E-10	8.27E-10
9704	436737.31	3763378.46	2.45E-09	8.37E-09	1.08E-08	3.81E-10	1.37E-09	1.75E-09	2.05E-10	6.34E-10	8.40E-10
9705	436733.63	3763369.58	2.49E-09	8.49E-09	1.10E-08	3.87E-10	1.39E-09	1.77E-09	2.08E-10	6.44E-10	8.52E-10
9706	436729.95	3763360.71	2.53E-09	8.61E-09	1.11E-08	3.93E-10	1.41E-09	1.80E-09	2.11E-10	6.53E-10	8.64E-10
9707	436726.27	3763351.83	2.56E-09	8.74E-09	1.13E-08	3.98E-10	1.43E-09	1.83E-09	2.14E-10	6.62E-10	8.77E-10
9708	436722.59	3763342.96	2.6E-09	8.86E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.17E-10	6.71E-10	8.89E-10
9709	436718.91	3763334.08	2.63E-09	8.98E-09	1.16E-08	4.09E-10	1.47E-09	1.88E-09	2.21E-10	6.81E-10	9.01E-10
9710	436715.23	3763325.21	2.67E-09	9.11E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.24E-10	6.90E-10	9.14E-10
9711	436711.55	3763316.33	2.71E-09	9.23E-09	1.19E-08	4.21E-10	1.51E-09	1.93E-09	2.27E-10	7.00E-10	9.26E-10
9712	436707.86	3763307.46	2.74E-09	9.36E-09	1.21E-08	4.26E-10	1.53E-09	1.95E-09	2.30E-10	7.09E-10	9.39E-10
9713	436704.18	3763298.59	2.78E-09	9.48E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.51E-10
9714	436700.5	3763289.71	2.81E-09	9.59E-09	1.24E-08	4.37E-10	1.57E-09	2.00E-09	2.35E-10	7.27E-10	9.62E-10
9715	436696.82	3763280.84	2.84E-09	9.70E-09	1.25E-08	4.42E-10	1.58E-09	2.03E-09	2.38E-10	7.35E-10	9.73E-10
9716	436693.14	3763271.96	2.87E-09	9.80E-09	1.27E-08	4.46E-10	1.60E-09	2.05E-09	2.40E-10	7.42E-10	9.83E-10
9717	436689.46	3763263.09	2.9E-09	9.90E-09	1.28E-08	4.51E-10	1.62E-09	2.07E-09	2.43E-10	7.50E-10	9.93E-10
9718	436685.78	3763254.21	2.93E-09	1.00E-08	1.29E-08	4.56E-10	1.63E-09	2.09E-09	2.46E-10	7.58E-10	1.00E-09
9719	436682.1	3763245.34	2.96E-09	1.01E-08	1.31E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.66E-10	1.01E-09
9720	436678.41	3763236.46	2.99E-09	1.02E-08	1.32E-08	4.65E-10	1.67E-09	2.13E-09	2.51E-10	7.74E-10	1.02E-09
9721	436674.73	3763227.59	3.03E-09	1.03E-08	1.33E-08	4.70E-10	1.69E-09	2.16E-09	2.53E-10	7.82E-10	1.04E-09
9722	436671.05	3763218.72	3.06E-09	1.04E-08	1.35E-08	4.76E-10	1.71E-09	2.18E-09	2.56E-10	7.91E-10	1.05E-09
9723	436667.37	3763209.84	3.1E-09	1.06E-08	1.37E-08	4.81E-10	1.72E-09	2.21E-09	2.59E-10	8.00E-10	1.06E-09
9724	436663.69	3763200.97	3.13E-09	1.07E-08	1.38E-08	4.87E-10	1.74E-09	2.23E-09	2.62E-10	8.09E-10	1.07E-09
9725	436660.01	3763192.09	3.16E-09	1.08E-08	1.39E-08	4.91E-10	1.76E-09	2.25E-09	2.65E-10	8.17E-10	1.08E-09
9726	436656.33	3763183.22	3.19E-09	1.09E-08	1.41E-08	4.96E-10	1.78E-09	2.27E-09	2.67E-10	8.25E-10	1.09E-09
9727	436652.64	3763174.34	3.22E-09	1.10E-08	1.42E-08	5.01E-10	1.79E-09	2.29E-09	2.70E-10	8.32E-10	1.10E-09
9728	436648.96	3763165.47	3.25E-09	1.11E-08	1.43E-08	5.05E-10	1.81E-09	2.31E-09	2.72E-10	8.39E-10	1.11E-09
9729	436645.28	3763156.6	3.27E-09	1.11E-08	1.44E-08	5.08E-10	1.82E-09	2.33E-09	2.74E-10	8.45E-10	1.12E-09
9730	436641.6	3763147.72	3.29E-09	1.12E-08	1.45E-08	5.11E-10	1.83E-09	2.34E-09	2.75E-10	8.50E-10	1.13E-09
9731	436637.92	3763138.85	3.31E-09	1.13E-08	1.46E-08	5.15E-10	1.85E-09	2.36E-09	2.77E-10	8.56E-10	1.13E-09
9732	436634.24	3763129.97	3.33E-09	1.14E-08	1.47E-08	5.17E-10	1.85E-09	2.37E-09	2.79E-10	8.60E-10	1.14E-09
9733	436630.56	3763121.1	3.34E-09	1.14E-08	1.47E-08	5.19E-10	1.86E-09	2.38E-09	2.80E-10	8.64E-10	1.14E-09
9734	436626.88	3763112.22	3.36E-09	1.14E-08	1.48E-08	5.21E-10	1.87E-09	2.39E-09	2.81E-10	8.67E-10	1.15E-09
9735	436623.19	3763103.35	3.37E-09	1.15E-08	1.49E-08	5.23E-10	1.88E-09	2.40E-09	2.82E-10	8.70E-10	1.15E-09
9736	436619.51	3763094.47	3.38E-09	1.15E-08	1.49E-08	5.25E-10	1.88E-09	2.41E-09	2.83E-10	8.73E-10	1.16E-09
9737	436615.83	3763085.6	3.39E-09	1.16E-08	1.50E-08	5.27E-10	1.89E-09	2.42E-09	2.84E-10	8.77E-10	1.16E-09
9738	436612.15	3763076.73	3.41E-09	1.16E-08	1.50E-08	5.29E-10	1.90E-09	2.43E-09	2.85E-10	8.80E-10	1.17E-09
9739	436608.47	3763067.85	3.43E-09	1.17E-08	1.51E-08	5.32E-10	1.91E-09	2.44E-09	2.87E-10	8.85E-10	1.17E-09
9740	436604.79	3763058.98	3.44E-09	1.17E-08	1.52E-08	5.35E-10	1.92E-09	2.45E-09	2.88E-10	8.89E-10	1.18E-09
9741	436601.11	3763050.1	3.45E-09	1.18E-08	1.52E-08	5.36E-10	1.92E-09	2.46E-09	2.89E-10	8.91E-10	1.18E-09
9742	436597.43	3763041.23	3.45E-09	1.18E-08	1.52E-08	5.37E-10	1.92E-09	2.46E-09	2.89E-10	8.92E-10	1.18E-09
9743	436593.74	3763032.35	3.46E-09	1.18E-08	1.53E-08	5.37E-10	1.93E-09	2.46E-09	2.89E-10	8.94E-10	1.18E-09
9744	436590.06	3763023.48	3.46E-09	1.18E-08	1.53E-08	5.38E-10	1.93E-09	2.47E-09	2.90E-10	8.94E-10	1.18E-09
9745	436586.38	3763014.6	3.46E-09	1.18E-08	1.53E-08	5.38E-10	1.93E-09	2.47E-09	2.90E-10	8.95E-10	1.18E-09
9746	436582.7	3763005.73	3.47E-09	1.18E-08	1.53E-08	5.38E-10	1.93E-09	2.47E-09	2.90E-10	8.95E-10	1.19E-09
9747	436579.02	3762996.86	3.47E-09	1.18E-08	1.53E-08	5.38E-10	1.93E-09	2.47E-09	2.90E-10	8.95E-10	1.19E-09
9748	436575.34	3762987.98	3.46E-09	1.18E-08	1.53E-08	5.38E-10	1.93E-09	2.47E-09	2.90E-10	8.95E-10	1.19E-09
9749	436571.66	3762979.11	3.46E-09	1.18E-08	1.53E-08	5.38E-10	1.93E-09	2.47E-09	2.90E-10	8.95E-10	1.18E-09
9750	436567.98	3762970.23	3.46E-09	1.18E-08	1.53E-08	5.37E-10	1.93E-09	2.46E-09	2.90E-10	8.94E-10	1.18E-09
9751	436564.29	3762961.36	3.46E-09	1.18E-08	1.52E-08	5.37E-10	1.93E-09	2.46E-09	2.89E-10	8.93E-10	1.18E-09
9752	436560.61	3762952.48	3.45E-09	1.18E-08	1.52E-08	5.36E-10	1.92E-09	2.46E-09	2.89E-10	8.92E-10	1.18E-09
9753	436556.93	3762943.61	3.45E-09	1.18E-08	1.52E-08	5.35E-10	1.92E-09	2.45E-09	2.88E-10	8.90E-10	1.18E-09
9754	436553.25	3762934.74	3.44E-09	1.17E-08	1.52E-08	5.35E-10	1.92E-09	2.45E-09	2.88E-10	8.89E-10	1.18E-09
9755	436549.57	3762925.86	3.43E-09	1.17E-08	1.51E-08	5.33E-10	1.91E-09	2.45E-09	2.87E-10	8.87E-10	1.17E-09
9756	436545.89	3762916.99	3.43E-09	1.17E-08	1.51E-08	5.32E-10	1.91E-09	2.44E-09	2.87E-10	8.85E-10	1.17E-09

9757	437365.54	3763703.74	1.66E-09	5.66E-09	7.33E-09	2.58E-10	9.25E-10	1.18E-09	1.39E-10	4.29E-10	5.68E-10
9758	437375.19	3763703.72	1.67E-09	5.69E-09	7.36E-09	2.59E-10	9.29E-10	1.19E-09	1.40E-10	4.31E-10	5.71E-10
9759	437384.84	3763703.7	1.68E-09	5.71E-09	7.39E-09	2.60E-10	9.34E-10	1.19E-09	1.40E-10	4.33E-10	5.73E-10
9760	437394.49	3763703.68	1.68E-09	5.74E-09	7.43E-09	2.62E-10	9.38E-10	1.20E-09	1.41E-10	4.35E-10	5.76E-10
9761	437404.14	3763703.66	1.69E-09	5.77E-09	7.46E-09	2.63E-10	9.42E-10	1.20E-09	1.42E-10	4.37E-10	5.78E-10
9762	437413.79	3763703.64	1.7E-09	5.79E-09	7.49E-09	2.64E-10	9.46E-10	1.21E-09	1.42E-10	4.39E-10	5.81E-10
9763	437423.44	3763703.62	1.7E-09	5.81E-09	7.52E-09	2.65E-10	9.49E-10	1.21E-09	1.43E-10	4.40E-10	5.83E-10
9764	437433.09	3763703.6	1.71E-09	5.83E-09	7.54E-09	2.66E-10	9.53E-10	1.22E-09	1.43E-10	4.42E-10	5.85E-10
9765	437442.75	3763703.58	1.72E-09	5.86E-09	7.58E-09	2.67E-10	9.57E-10	1.22E-09	1.44E-10	4.44E-10	5.88E-10
9766	437452.4	3763703.56	1.73E-09	5.89E-09	7.61E-09	2.68E-10	9.62E-10	1.23E-09	1.44E-10	4.46E-10	5.90E-10
9767	437462.05	3763703.54	1.73E-09	5.91E-09	7.64E-09	2.69E-10	9.65E-10	1.23E-09	1.45E-10	4.48E-10	5.93E-10
9768	437471.7	3763703.52	1.74E-09	5.94E-09	7.68E-09	2.71E-10	9.70E-10	1.24E-09	1.46E-10	4.50E-10	5.96E-10
9769	437481.35	3763703.5	1.75E-09	5.97E-09	7.72E-09	2.72E-10	9.75E-10	1.25E-09	1.46E-10	4.52E-10	5.98E-10
9770	437491	3763703.48	1.76E-09	5.99E-09	7.75E-09	2.73E-10	9.79E-10	1.25E-09	1.47E-10	4.54E-10	6.01E-10
9771	437500.65	3763703.46	1.77E-09	6.03E-09	7.80E-09	2.75E-10	9.85E-10	1.26E-09	1.48E-10	4.57E-10	6.05E-10
9772	437510.3	3763703.44	1.78E-09	6.07E-09	7.85E-09	2.77E-10	9.92E-10	1.27E-09	1.49E-10	4.60E-10	6.09E-10
9773	437519.95	3763703.42	1.79E-09	6.11E-09	7.90E-09	2.79E-10	9.99E-10	1.28E-09	1.50E-10	4.63E-10	6.13E-10
9774	437529.6	3763703.4	1.8E-09	6.14E-09	7.95E-09	2.80E-10	1.00E-09	1.28E-09	1.51E-10	4.66E-10	6.16E-10
9775	437539.25	3763703.38	1.81E-09	6.17E-09	7.98E-09	2.81E-10	1.01E-09	1.29E-09	1.52E-10	4.68E-10	6.19E-10
9776	437548.9	3763703.36	1.82E-09	6.21E-09	8.03E-09	2.83E-10	1.01E-09	1.30E-09	1.52E-10	4.70E-10	6.23E-10
9777	437356.72	3763740.07	1.55E-09	5.29E-09	6.84E-09	2.41E-10	8.64E-10	1.11E-09	1.30E-10	4.01E-10	5.31E-10
9778	437347.81	3763736.39	1.55E-09	5.30E-09	6.86E-09	2.42E-10	8.66E-10	1.11E-09	1.30E-10	4.02E-10	5.32E-10
9779	437338.91	3763732.72	1.56E-09	5.31E-09	6.87E-09	2.42E-10	8.68E-10	1.11E-09	1.30E-10	4.03E-10	5.33E-10
9780	437330	3763729.05	1.56E-09	5.32E-09	6.88E-09	2.42E-10	8.69E-10	1.11E-09	1.31E-10	4.03E-10	5.34E-10
9781	437321.09	3763725.37	1.56E-09	5.33E-09	6.89E-09	2.43E-10	8.70E-10	1.11E-09	1.31E-10	4.04E-10	5.35E-10
9782	437312.19	3763721.7	1.56E-09	5.34E-09	6.90E-09	2.43E-10	8.72E-10	1.11E-09	1.31E-10	4.04E-10	5.35E-10
9783	437303.28	3763718.03	1.57E-09	5.34E-09	6.91E-09	2.44E-10	8.73E-10	1.12E-09	1.31E-10	4.05E-10	5.36E-10
9784	437294.37	3763714.36	1.57E-09	5.35E-09	6.92E-09	2.44E-10	8.74E-10	1.12E-09	1.31E-10	4.05E-10	5.37E-10
9785	437285.47	3763710.68	1.57E-09	5.36E-09	6.93E-09	2.44E-10	8.75E-10	1.12E-09	1.32E-10	4.06E-10	5.37E-10
9786	437276.56	3763707.01	1.57E-09	5.37E-09	6.94E-09	2.44E-10	8.77E-10	1.12E-09	1.32E-10	4.07E-10	5.38E-10
9787	437267.66	3763703.34	1.58E-09	5.37E-09	6.95E-09	2.45E-10	8.78E-10	1.12E-09	1.32E-10	4.07E-10	5.39E-10
9788	437258.75	3763699.66	1.58E-09	5.38E-09	6.96E-09	2.45E-10	8.79E-10	1.12E-09	1.32E-10	4.08E-10	5.40E-10
9789	437249.84	3763695.99	1.58E-09	5.39E-09	6.97E-09	2.46E-10	8.81E-10	1.13E-09	1.32E-10	4.09E-10	5.41E-10
9790	437240.94	3763692.32	1.59E-09	5.41E-09	6.99E-09	2.46E-10	8.83E-10	1.13E-09	1.33E-10	4.10E-10	5.42E-10
9791	437142.97	3763651.92	1.63E-09	5.56E-09	7.19E-09	2.53E-10	9.09E-10	1.16E-09	1.37E-10	4.22E-10	5.58E-10
9792	437134.06	3763648.24	1.64E-09	5.59E-09	7.23E-09	2.55E-10	9.14E-10	1.17E-09	1.37E-10	4.24E-10	5.61E-10
9793	437125.16	3763644.57	1.65E-09	5.62E-09	7.27E-09	2.56E-10	9.18E-10	1.17E-09	1.38E-10	4.26E-10	5.64E-10
9794	437116.25	3763640.9	1.65E-09	5.64E-09	7.30E-09	2.57E-10	9.22E-10	1.18E-09	1.39E-10	4.28E-10	5.66E-10
9795	437107.34	3763637.23	1.66E-09	5.67E-09	7.33E-09	2.58E-10	9.26E-10	1.18E-09	1.39E-10	4.30E-10	5.69E-10
9796	437098.44	3763633.55	1.67E-09	5.70E-09	7.37E-09	2.60E-10	9.31E-10	1.19E-09	1.40E-10	4.32E-10	5.71E-10
9797	437089.53	3763629.88	1.68E-09	5.73E-09	7.40E-09	2.61E-10	9.35E-10	1.20E-09	1.41E-10	4.34E-10	5.74E-10
9798	437027.19	3763604.17	1.74E-09	5.92E-09	7.66E-09	2.70E-10	9.68E-10	1.24E-09	1.45E-10	4.49E-10	5.94E-10
9799	437018.28	3763600.5	1.75E-09	5.95E-09	7.70E-09	2.71E-10	9.73E-10	1.24E-09	1.46E-10	4.51E-10	5.97E-10
9800	437009.38	3763596.82	1.75E-09	5.98E-09	7.74E-09	2.73E-10	9.77E-10	1.25E-09	1.47E-10	4.53E-10	6.00E-10
9801	437000.47	3763593.15	1.77E-09	6.02E-09	7.79E-09	2.74E-10	9.84E-10	1.26E-09	1.48E-10	4.56E-10	6.04E-10
9802	436991.56	3763589.48	1.78E-09	6.06E-09	7.84E-09	2.76E-10	9.91E-10	1.27E-09	1.49E-10	4.60E-10	6.08E-10
9803	436982.66	3763585.81	1.8E-09	6.15E-09	7.96E-09	2.80E-10	1.01E-09	1.29E-09	1.51E-10	4.66E-10	6.17E-10
9804	436973.75	3763582.13	1.81E-09	6.19E-09	8.00E-09	2.82E-10	1.01E-09	1.29E-09	1.52E-10	4.69E-10	6.21E-10
9805	436964.85	3763578.46	1.82E-09	6.22E-09	8.04E-09	2.83E-10	1.02E-09	1.30E-09	1.53E-10	4.71E-10	6.24E-10
9806	436955.94	3763574.79	1.83E-09	6.25E-09	8.08E-09	2.85E-10	1.02E-09	1.31E-09	1.53E-10	4.74E-10	6.27E-10
9807	436947.03	3763571.11	1.84E-09	6.28E-09	8.12E-09	2.86E-10	1.03E-09	1.31E-09	1.54E-10	4.76E-10	6.30E-10
9808	436938.13	3763567.44	1.85E-09	6.31E-09	8.16E-09	2.87E-10	1.03E-09	1.32E-09	1.55E-10	4.78E-10	6.33E-10
9809	436929.22	3763563.77	1.86E-09	6.33E-09	8.19E-09	2.88E-10	1.03E-09	1.32E-09	1.55E-10	4.80E-10	6.35E-10
9810	436920.31	3763560.1	1.86E-09	6.36E-09	8.22E-09	2.90E-10	1.04E-09	1.33E-09	1.56E-10	4.82E-10	6.38E-10
9811	436911.41	3763556.42	1.87E-09	6.36E-09	8.23E-09	2.90E-10	1.04E-09	1.33E-09	1.56E-10	4.82E-10	6.38E-10
9812	436902.5	3763552.75	1.87E-09	6.39E-09	8.26E-09	2.91E-10	1.04E-09	1.33E-09	1.57E-10	4.84E-10	6.41E-10
9813	436893.6	3763549.08	1.88E-09	6.41E-09	8.29E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.86E-10	6.43E-10
9814	436884.69	3763545.4	1.89E-09	6.43E-09	8.32E-09	2.93E-10	1.05E-09	1.34E-09	1.58E-10	4.87E-10	6.45E-10
9815	436875.78	3763541.73	1.89E-09	6.46E-09	8.35E-09	2.94E-10	1.05E-09	1.35E-09	1.58E-10	4.89E-10	6.48E-10
9816	436866.88	3763538.06	1.9E-09	6.48E-09	8.38E-09	2.95E-10	1.06E-09	1.35E-09	1.59E-10	4.91E-10	6.50E-10
9817	436857.97	3763534.39	1.91E-09	6.50E-09	8.41E-09	2.96E-10	1.06E-09	1.36E-09	1.60E-10	4.93E-10	6.53E-10

9818	436849.07	3763530.71	1.91E-09	6.52E-09	8.43E-09	2.97E-10	1.07E-09	1.36E-09	1.60E-10	4.94E-10	6.54E-10
9819	436840.16	3763527.04	1.92E-09	6.54E-09	8.46E-09	2.98E-10	1.07E-09	1.37E-09	1.61E-10	4.96E-10	6.56E-10
9820	436831.25	3763523.37	1.92E-09	6.56E-09	8.48E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.97E-10	6.58E-10
9821	436822.35	3763519.69	1.93E-09	6.58E-09	8.51E-09	3.00E-10	1.08E-09	1.38E-09	1.62E-10	4.99E-10	6.60E-10
9822	436813.44	3763516.02	1.94E-09	6.60E-09	8.54E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.00E-10	6.62E-10
9823	436804.53	3763512.35	1.94E-09	6.63E-09	8.57E-09	3.02E-10	1.08E-09	1.38E-09	1.63E-10	5.02E-10	6.65E-10
9824	436795.63	3763508.68	1.95E-09	6.66E-09	8.61E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.68E-10
9825	436786.72	3763505	1.96E-09	6.68E-09	8.64E-09	3.05E-10	1.09E-09	1.40E-09	1.64E-10	5.06E-10	6.70E-10
9826	436777.82	3763501.33	1.97E-09	6.71E-09	8.67E-09	3.06E-10	1.10E-09	1.40E-09	1.65E-10	5.08E-10	6.73E-10
9827	436738.5	3763477.74	2.02E-09	6.88E-09	8.90E-09	3.14E-10	1.12E-09	1.44E-09	1.69E-10	5.21E-10	6.90E-10
9828	436734.81	3763468.84	2.05E-09	6.99E-09	9.04E-09	3.18E-10	1.14E-09	1.46E-09	1.72E-10	5.29E-10	7.01E-10
9829	436731.12	3763459.94	2.08E-09	7.09E-09	9.17E-09	3.23E-10	1.16E-09	1.48E-09	1.74E-10	5.37E-10	7.11E-10
9830	436727.43	3763451.04	2.11E-09	7.20E-09	9.31E-09	3.28E-10	1.18E-09	1.50E-09	1.77E-10	5.45E-10	7.22E-10
9831	436723.73	3763442.15	2.14E-09	7.30E-09	9.45E-09	3.33E-10	1.19E-09	1.53E-09	1.79E-10	5.54E-10	7.33E-10
9832	436720.04	3763433.25	2.17E-09	7.41E-09	9.59E-09	3.38E-10	1.21E-09	1.55E-09	1.82E-10	5.62E-10	7.44E-10
9833	436716.35	3763424.35	2.2E-09	7.52E-09	9.72E-09	3.43E-10	1.23E-09	1.57E-09	1.85E-10	5.70E-10	7.54E-10
9834	436712.66	3763415.45	2.24E-09	7.63E-09	9.86E-09	3.48E-10	1.25E-09	1.59E-09	1.87E-10	5.78E-10	7.65E-10
9835	436708.97	3763406.55	2.27E-09	7.74E-09	1.00E-08	3.53E-10	1.26E-09	1.62E-09	1.90E-10	5.86E-10	7.76E-10
9836	436705.28	3763397.65	2.3E-09	7.85E-09	1.01E-08	3.58E-10	1.28E-09	1.64E-09	1.93E-10	5.95E-10	7.87E-10
9837	436701.59	3763388.75	2.33E-09	7.96E-09	1.03E-08	3.63E-10	1.30E-09	1.66E-09	1.95E-10	6.03E-10	7.98E-10
9838	436697.9	3763379.86	2.37E-09	8.07E-09	1.04E-08	3.68E-10	1.32E-09	1.69E-09	1.98E-10	6.11E-10	8.09E-10
9839	436694.2	3763370.96	2.4E-09	8.17E-09	1.06E-08	3.72E-10	1.34E-09	1.71E-09	2.01E-10	6.19E-10	8.20E-10
9840	436690.51	3763362.06	2.43E-09	8.28E-09	1.07E-08	3.77E-10	1.35E-09	1.73E-09	2.03E-10	6.28E-10	8.31E-10
9841	436686.82	3763353.16	2.46E-09	8.39E-09	1.09E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.36E-10	8.42E-10
9842	436683.13	3763344.26	2.49E-09	8.49E-09	1.10E-08	3.87E-10	1.39E-09	1.77E-09	2.09E-10	6.44E-10	8.52E-10
9843	436679.44	3763335.36	2.52E-09	8.59E-09	1.11E-08	3.92E-10	1.40E-09	1.80E-09	2.11E-10	6.51E-10	8.62E-10
9844	436675.75	3763326.46	2.55E-09	8.69E-09	1.12E-08	3.96E-10	1.42E-09	1.82E-09	2.13E-10	6.58E-10	8.72E-10
9845	436672.06	3763317.57	2.58E-09	8.79E-09	1.14E-08	4.00E-10	1.44E-09	1.84E-09	2.16E-10	6.66E-10	8.82E-10
9846	436668.37	3763308.67	2.61E-09	8.89E-09	1.15E-08	4.05E-10	1.45E-09	1.86E-09	2.18E-10	6.74E-10	8.92E-10
9847	436664.67	3763299.77	2.64E-09	8.99E-09	1.16E-08	4.10E-10	1.47E-09	1.88E-09	2.21E-10	6.82E-10	9.02E-10
9848	436660.98	3763290.87	2.67E-09	9.09E-09	1.18E-08	4.14E-10	1.49E-09	1.90E-09	2.23E-10	6.89E-10	9.12E-10
9849	436657.29	3763281.97	2.7E-09	9.19E-09	1.19E-08	4.19E-10	1.50E-09	1.92E-09	2.26E-10	6.96E-10	9.22E-10
9850	436653.6	3763273.07	2.72E-09	9.29E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.04E-10	9.32E-10
9851	436649.91	3763264.17	2.75E-09	9.38E-09	1.21E-08	4.28E-10	1.53E-09	1.96E-09	2.30E-10	7.11E-10	9.41E-10
9852	436646.22	3763255.28	2.78E-09	9.47E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.50E-10
9853	436642.53	3763246.38	2.8E-09	9.56E-09	1.24E-08	4.36E-10	1.56E-09	2.00E-09	2.35E-10	7.25E-10	9.60E-10
9854	436638.83	3763237.48	2.83E-09	9.65E-09	1.25E-08	4.40E-10	1.58E-09	2.02E-09	2.37E-10	7.31E-10	9.68E-10
9855	436635.14	3763228.58	2.86E-09	9.74E-09	1.26E-08	4.44E-10	1.59E-09	2.04E-09	2.39E-10	7.38E-10	9.77E-10
9856	436631.45	3763219.68	2.89E-09	9.85E-09	1.27E-08	4.49E-10	1.61E-09	2.06E-09	2.42E-10	7.46E-10	9.88E-10
9857	436627.76	3763210.78	2.92E-09	9.95E-09	1.29E-08	4.53E-10	1.63E-09	2.08E-09	2.44E-10	7.54E-10	9.98E-10
9858	436624.07	3763201.88	2.95E-09	1.00E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.61E-10	1.01E-09
9859	436620.38	3763192.99	2.97E-09	1.01E-08	1.31E-08	4.62E-10	1.65E-09	2.12E-09	2.49E-10	7.68E-10	1.02E-09
9860	436616.69	3763184.09	2.99E-09	1.02E-08	1.32E-08	4.65E-10	1.67E-09	2.13E-09	2.50E-10	7.73E-10	1.02E-09
9861	436613	3763175.19	3.01E-09	1.03E-08	1.33E-08	4.68E-10	1.68E-09	2.15E-09	2.52E-10	7.79E-10	1.03E-09
9862	436609.3	3763166.29	3.04E-09	1.04E-08	1.34E-08	4.72E-10	1.69E-09	2.16E-09	2.54E-10	7.85E-10	1.04E-09
9863	436605.61	3763157.39	3.06E-09	1.04E-08	1.35E-08	4.75E-10	1.70E-09	2.18E-09	2.56E-10	7.90E-10	1.05E-09
9864	436601.92	3763148.49	3.08E-09	1.05E-08	1.36E-08	4.78E-10	1.71E-09	2.19E-09	2.58E-10	7.95E-10	1.05E-09
9865	436598.23	3763139.6	3.1E-09	1.06E-08	1.37E-08	4.81E-10	1.72E-09	2.21E-09	2.59E-10	8.00E-10	1.06E-09
9866	436594.54	3763130.7	3.11E-09	1.06E-08	1.37E-08	4.83E-10	1.73E-09	2.21E-09	2.60E-10	8.03E-10	1.06E-09
9867	436590.85	3763121.8	3.12E-09	1.06E-08	1.37E-08	4.84E-10	1.74E-09	2.22E-09	2.61E-10	8.05E-10	1.07E-09
9868	436587.16	3763112.9	3.13E-09	1.07E-08	1.38E-08	4.86E-10	1.74E-09	2.23E-09	2.62E-10	8.08E-10	1.07E-09
9869	436583.47	3763104	3.14E-09	1.07E-08	1.39E-08	4.88E-10	1.75E-09	2.24E-09	2.63E-10	8.12E-10	1.07E-09
9870	436579.77	3763095.1	3.16E-09	1.08E-08	1.39E-08	4.90E-10	1.76E-09	2.25E-09	2.64E-10	8.16E-10	1.08E-09
9871	436576.08	3763086.2	3.17E-09	1.08E-08	1.40E-08	4.92E-10	1.77E-09	2.26E-09	2.65E-10	8.19E-10	1.08E-09
9872	436572.39	3763077.31	3.18E-09	1.08E-08	1.40E-08	4.94E-10	1.77E-09	2.27E-09	2.66E-10	8.22E-10	1.09E-09
9873	436568.7	3763068.41	3.19E-09	1.09E-08	1.41E-08	4.95E-10	1.78E-09	2.27E-09	2.67E-10	8.24E-10	1.09E-09
9874	436565.01	3763059.51	3.19E-09	1.09E-08	1.41E-08	4.96E-10	1.78E-09	2.28E-09	2.67E-10	8.25E-10	1.09E-09
9875	436561.32	3763050.61	3.2E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.27E-10	1.09E-09
9876	436557.63	3763041.71	3.2E-09	1.09E-08	1.41E-08	4.98E-10	1.78E-09	2.28E-09	2.68E-10	8.28E-10	1.10E-09
9877	436553.93	3763032.81	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.28E-09	2.68E-10	8.28E-10	1.10E-09
9878	436550.24	3763023.91	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.29E-09	2.69E-10	8.29E-10	1.10E-09

9879	436546.55	3763015.02	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.29E-09	2.69E-10	8.29E-10	1.10E-09
9880	436542.86	3763006.12	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.29E-09	2.69E-10	8.29E-10	1.10E-09
9881	436539.17	3762997.22	3.21E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.28E-09	2.68E-10	8.28E-10	1.10E-09
9882	436535.48	3762988.32	3.2E-09	1.09E-08	1.41E-08	4.98E-10	1.79E-09	2.28E-09	2.68E-10	8.28E-10	1.10E-09
9883	436531.79	3762979.42	3.2E-09	1.09E-08	1.41E-08	4.98E-10	1.78E-09	2.28E-09	2.68E-10	8.27E-10	1.10E-09
9884	436528.1	3762970.52	3.2E-09	1.09E-08	1.41E-08	4.97E-10	1.78E-09	2.28E-09	2.68E-10	8.26E-10	1.09E-09
9885	436524.4	3762961.62	3.19E-09	1.09E-08	1.41E-08	4.96E-10	1.78E-09	2.28E-09	2.67E-10	8.25E-10	1.09E-09
9886	436520.71	3762952.73	3.19E-09	1.09E-08	1.41E-08	4.96E-10	1.78E-09	2.27E-09	2.67E-10	8.24E-10	1.09E-09
9887	436517.02	3762943.83	3.19E-09	1.09E-08	1.40E-08	4.95E-10	1.77E-09	2.27E-09	2.67E-10	8.23E-10	1.09E-09
9888	436513.33	3762934.93	3.18E-09	1.08E-08	1.40E-08	4.94E-10	1.77E-09	2.27E-09	2.66E-10	8.22E-10	1.09E-09
9889	436509.64	3762926.03	3.17E-09	1.08E-08	1.40E-08	4.93E-10	1.77E-09	2.26E-09	2.66E-10	8.20E-10	1.09E-09
9890	436505.95	3762917.13	3.17E-09	1.08E-08	1.40E-08	4.92E-10	1.76E-09	2.26E-09	2.65E-10	8.18E-10	1.08E-09
9891	436502.26	3762908.23	3.16E-09	1.08E-08	1.39E-08	4.91E-10	1.76E-09	2.25E-09	2.64E-10	8.16E-10	1.08E-09
9892	437365.62	3763743.74	1.55E-09	5.28E-09	6.83E-09	2.41E-10	8.63E-10	1.10E-09	1.30E-10	4.00E-10	5.30E-10
9893	437375.27	3763743.72	1.56E-09	5.30E-09	6.86E-09	2.42E-10	8.66E-10	1.11E-09	1.30E-10	4.02E-10	5.32E-10
9894	437384.92	3763743.7	1.56E-09	5.33E-09	6.89E-09	2.43E-10	8.70E-10	1.11E-09	1.31E-10	4.04E-10	5.34E-10
9895	437394.58	3763743.68	1.57E-09	5.35E-09	6.92E-09	2.44E-10	8.74E-10	1.12E-09	1.31E-10	4.05E-10	5.37E-10
9896	437404.23	3763743.66	1.58E-09	5.37E-09	6.95E-09	2.45E-10	8.77E-10	1.12E-09	1.32E-10	4.07E-10	5.39E-10
9897	437413.88	3763743.64	1.58E-09	5.39E-09	6.97E-09	2.46E-10	8.80E-10	1.13E-09	1.32E-10	4.08E-10	5.41E-10
9898	437423.53	3763743.62	1.59E-09	5.41E-09	6.99E-09	2.46E-10	8.83E-10	1.13E-09	1.33E-10	4.10E-10	5.42E-10
9899	437433.18	3763743.6	1.59E-09	5.42E-09	7.01E-09	2.47E-10	8.86E-10	1.13E-09	1.33E-10	4.11E-10	5.44E-10
9900	437442.83	3763743.58	1.6E-09	5.44E-09	7.04E-09	2.48E-10	8.89E-10	1.14E-09	1.34E-10	4.12E-10	5.46E-10
9901	437452.48	3763743.56	1.6E-09	5.45E-09	7.05E-09	2.48E-10	8.91E-10	1.14E-09	1.34E-10	4.13E-10	5.47E-10
9902	437462.13	3763743.54	1.6E-09	5.47E-09	7.07E-09	2.49E-10	8.94E-10	1.14E-09	1.34E-10	4.14E-10	5.49E-10
9903	437471.78	3763743.52	1.61E-09	5.49E-09	7.10E-09	2.50E-10	8.97E-10	1.15E-09	1.35E-10	4.16E-10	5.51E-10
9904	437481.43	3763743.5	1.62E-09	5.51E-09	7.13E-09	2.51E-10	9.01E-10	1.15E-09	1.35E-10	4.18E-10	5.53E-10
9905	437491.08	3763743.48	1.62E-09	5.54E-09	7.16E-09	2.52E-10	9.05E-10	1.16E-09	1.36E-10	4.20E-10	5.56E-10
9906	437500.73	3763743.46	1.64E-09	5.58E-09	7.21E-09	2.54E-10	9.11E-10	1.17E-09	1.37E-10	4.23E-10	5.60E-10
9907	437510.38	3763743.44	1.65E-09	5.62E-09	7.27E-09	2.56E-10	9.18E-10	1.17E-09	1.38E-10	4.26E-10	5.64E-10
9908	437520.03	3763743.42	1.66E-09	5.66E-09	7.33E-09	2.58E-10	9.25E-10	1.18E-09	1.39E-10	4.29E-10	5.68E-10
9909	437529.68	3763743.4	1.67E-09	5.69E-09	7.36E-09	2.59E-10	9.30E-10	1.19E-09	1.40E-10	4.31E-10	5.71E-10
9910	437539.33	3763743.38	1.68E-09	5.72E-09	7.39E-09	2.61E-10	9.34E-10	1.19E-09	1.40E-10	4.33E-10	5.74E-10
9911	437548.98	3763743.36	1.68E-09	5.74E-09	7.43E-09	2.62E-10	9.38E-10	1.20E-09	1.41E-10	4.35E-10	5.76E-10
9912	437356.9	3763780.11	1.45E-09	4.95E-09	6.40E-09	2.25E-10	8.08E-10	1.03E-09	1.21E-10	3.75E-10	4.96E-10
9913	437348.09	3763776.47	1.45E-09	4.95E-09	6.41E-09	2.26E-10	8.09E-10	1.04E-09	1.22E-10	3.75E-10	4.97E-10
9914	437339.28	3763772.84	1.46E-09	4.96E-09	6.42E-09	2.26E-10	8.11E-10	1.04E-09	1.22E-10	3.76E-10	4.98E-10
9915	437330.48	3763769.21	1.46E-09	4.97E-09	6.43E-09	2.26E-10	8.12E-10	1.04E-09	1.22E-10	3.77E-10	4.99E-10
9916	437321.67	3763765.58	1.46E-09	4.98E-09	6.44E-09	2.27E-10	8.13E-10	1.04E-09	1.22E-10	3.77E-10	4.99E-10
9917	437312.86	3763761.94	1.46E-09	4.99E-09	6.45E-09	2.27E-10	8.15E-10	1.04E-09	1.22E-10	3.78E-10	5.01E-10
9918	437304.05	3763758.31	1.46E-09	4.99E-09	6.46E-09	2.28E-10	8.16E-10	1.04E-09	1.23E-10	3.78E-10	5.01E-10
9919	437295.24	3763754.68	1.47E-09	5.00E-09	6.47E-09	2.28E-10	8.17E-10	1.05E-09	1.23E-10	3.79E-10	5.02E-10
9920	437286.44	3763751.05	1.47E-09	5.01E-09	6.48E-09	2.28E-10	8.18E-10	1.05E-09	1.23E-10	3.79E-10	5.02E-10
9921	437277.63	3763747.42	1.47E-09	5.01E-09	6.48E-09	2.28E-10	8.19E-10	1.05E-09	1.23E-10	3.80E-10	5.03E-10
9922	437268.82	3763743.78	1.47E-09	5.01E-09	6.48E-09	2.28E-10	8.19E-10	1.05E-09	1.23E-10	3.80E-10	5.03E-10
9923	437260.01	3763740.15	1.47E-09	5.02E-09	6.49E-09	2.29E-10	8.19E-10	1.05E-09	1.23E-10	3.80E-10	5.03E-10
9924	437251.21	3763736.52	1.47E-09	5.02E-09	6.49E-09	2.29E-10	8.20E-10	1.05E-09	1.23E-10	3.80E-10	5.03E-10
9925	437242.4	3763732.89	1.47E-09	5.03E-09	6.50E-09	2.29E-10	8.21E-10	1.05E-09	1.23E-10	3.81E-10	5.04E-10
9926	437233.59	3763729.25	1.48E-09	5.04E-09	6.51E-09	2.30E-10	8.23E-10	1.05E-09	1.24E-10	3.82E-10	5.05E-10
9927	437224.78	3763725.62	1.48E-09	5.05E-09	6.53E-09	2.30E-10	8.25E-10	1.05E-09	1.24E-10	3.83E-10	5.06E-10
9928	437215.98	3763721.99	1.48E-09	5.06E-09	6.54E-09	2.30E-10	8.26E-10	1.06E-09	1.24E-10	3.83E-10	5.07E-10
9929	437207.17	3763718.36	1.49E-09	5.07E-09	6.56E-09	2.31E-10	8.28E-10	1.06E-09	1.24E-10	3.84E-10	5.09E-10
9930	437198.36	3763714.73	1.49E-09	5.08E-09	6.57E-09	2.32E-10	8.30E-10	1.06E-09	1.25E-10	3.85E-10	5.10E-10
9931	437189.55	3763711.09	1.49E-09	5.10E-09	6.59E-09	2.32E-10	8.32E-10	1.06E-09	1.25E-10	3.86E-10	5.11E-10
9932	437180.74	3763707.46	1.5E-09	5.10E-09	6.60E-09	2.33E-10	8.34E-10	1.07E-09	1.25E-10	3.87E-10	5.12E-10
9933	437101.48	3763674.77	1.54E-09	5.24E-09	6.78E-09	2.39E-10	8.56E-10	1.10E-09	1.29E-10	3.97E-10	5.26E-10
9934	437092.67	3763671.14	1.54E-09	5.26E-09	6.81E-09	2.40E-10	8.60E-10	1.10E-09	1.29E-10	3.99E-10	5.28E-10
9935	437083.86	3763667.51	1.55E-09	5.29E-09	6.84E-09	2.41E-10	8.64E-10	1.10E-09	1.30E-10	4.01E-10	5.30E-10
9936	437075.05	3763663.87	1.56E-09	5.31E-09	6.87E-09	2.42E-10	8.68E-10	1.11E-09	1.30E-10	4.03E-10	5.33E-10
9937	437066.24	3763660.24	1.57E-09	5.34E-09	6.90E-09	2.43E-10	8.72E-10	1.12E-09	1.31E-10	4.05E-10	5.36E-10
9938	437057.44	3763656.61	1.57E-09	5.37E-09	6.94E-09	2.44E-10	8.77E-10	1.12E-09	1.32E-10	4.07E-10	5.38E-10
9939	437048.63	3763652.98	1.58E-09	5.39E-09	6.97E-09	2.46E-10	8.81E-10	1.13E-09	1.32E-10	4.09E-10	5.41E-10

9940	437039.82	3763649.35	1.59E-09	5.42E-09	7.01E-09	2.47E-10	8.86E-10	1.13E-09	1.33E-10	4.11E-10	5.44E-10
9941	437031.01	3763645.71	1.6E-09	5.45E-09	7.05E-09	2.48E-10	8.90E-10	1.14E-09	1.34E-10	4.13E-10	5.47E-10
9942	437022.21	3763642.08	1.61E-09	5.48E-09	7.09E-09	2.50E-10	8.95E-10	1.14E-09	1.35E-10	4.15E-10	5.50E-10
9943	437013.4	3763638.45	1.62E-09	5.51E-09	7.13E-09	2.51E-10	9.01E-10	1.15E-09	1.35E-10	4.18E-10	5.53E-10
9944	437004.59	3763634.82	1.63E-09	5.55E-09	7.18E-09	2.53E-10	9.07E-10	1.16E-09	1.36E-10	4.21E-10	5.57E-10
9945	436925.32	3763602.13	1.72E-09	5.86E-09	7.57E-09	2.67E-10	9.57E-10	1.22E-09	1.44E-10	4.44E-10	5.88E-10
9946	436916.51	3763598.49	1.72E-09	5.88E-09	7.60E-09	2.68E-10	9.61E-10	1.23E-09	1.44E-10	4.46E-10	5.90E-10
9947	436907.71	3763594.86	1.73E-09	5.89E-09	7.61E-09	2.68E-10	9.62E-10	1.23E-09	1.44E-10	4.46E-10	5.90E-10
9948	436898.9	3763591.23	1.73E-09	5.91E-09	7.64E-09	2.69E-10	9.65E-10	1.23E-09	1.45E-10	4.48E-10	5.93E-10
9949	436890.09	3763587.6	1.74E-09	5.93E-09	7.67E-09	2.70E-10	9.68E-10	1.24E-09	1.46E-10	4.49E-10	5.95E-10
9950	436881.28	3763583.96	1.75E-09	5.95E-09	7.70E-09	2.71E-10	9.73E-10	1.24E-09	1.46E-10	4.51E-10	5.97E-10
9951	436872.47	3763580.33	1.75E-09	5.98E-09	7.73E-09	2.72E-10	9.77E-10	1.25E-09	1.47E-10	4.53E-10	6.00E-10
9952	436863.67	3763576.7	1.76E-09	6.00E-09	7.76E-09	2.74E-10	9.81E-10	1.25E-09	1.47E-10	4.55E-10	6.02E-10
9953	436854.86	3763573.07	1.77E-09	6.02E-09	7.79E-09	2.74E-10	9.84E-10	1.26E-09	1.48E-10	4.56E-10	6.04E-10
9954	436846.05	3763569.44	1.77E-09	6.04E-09	7.81E-09	2.75E-10	9.86E-10	1.26E-09	1.48E-10	4.58E-10	6.06E-10
9955	436837.24	3763565.8	1.77E-09	6.05E-09	7.82E-09	2.76E-10	9.88E-10	1.26E-09	1.48E-10	4.58E-10	6.07E-10
9956	436828.44	3763562.17	1.78E-09	6.06E-09	7.83E-09	2.76E-10	9.89E-10	1.27E-09	1.49E-10	4.59E-10	6.08E-10
9957	436819.63	3763558.54	1.78E-09	6.07E-09	7.85E-09	2.76E-10	9.91E-10	1.27E-09	1.49E-10	4.60E-10	6.09E-10
9958	436810.82	3763554.91	1.78E-09	6.08E-09	7.87E-09	2.77E-10	9.94E-10	1.27E-09	1.49E-10	4.61E-10	6.10E-10
9959	436802.01	3763551.27	1.79E-09	6.10E-09	7.88E-09	2.78E-10	9.96E-10	1.27E-09	1.50E-10	4.62E-10	6.12E-10
9960	436793.21	3763547.64	1.79E-09	6.11E-09	7.90E-09	2.79E-10	9.99E-10	1.28E-09	1.50E-10	4.63E-10	6.13E-10
9961	436784.4	3763544.01	1.8E-09	6.13E-09	7.93E-09	2.79E-10	1.00E-09	1.28E-09	1.50E-10	4.65E-10	6.15E-10
9962	436775.59	3763540.38	1.8E-09	6.15E-09	7.96E-09	2.80E-10	1.01E-09	1.29E-09	1.51E-10	4.66E-10	6.17E-10
9963	436740.36	3763525.85	1.83E-09	6.24E-09	8.07E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.73E-10	6.26E-10
9964	436731.55	3763522.22	1.84E-09	6.26E-09	8.09E-09	2.85E-10	1.02E-09	1.31E-09	1.54E-10	4.74E-10	6.28E-10
9965	436722.74	3763518.58	1.84E-09	6.29E-09	8.13E-09	2.87E-10	1.03E-09	1.31E-09	1.54E-10	4.77E-10	6.31E-10
9966	436710.29	3763506.15	1.88E-09	6.40E-09	8.28E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.85E-10	6.42E-10
9967	436706.64	3763497.35	1.91E-09	6.50E-09	8.40E-09	2.96E-10	1.06E-09	1.36E-09	1.59E-10	4.92E-10	6.52E-10
9968	436702.98	3763488.55	1.93E-09	6.59E-09	8.52E-09	3.00E-10	1.08E-09	1.38E-09	1.62E-10	4.99E-10	6.61E-10
9969	436699.33	3763479.75	1.96E-09	6.69E-09	8.65E-09	3.05E-10	1.09E-09	1.40E-09	1.64E-10	5.07E-10	6.71E-10
9970	436695.68	3763470.95	1.99E-09	6.78E-09	8.77E-09	3.09E-10	1.11E-09	1.42E-09	1.66E-10	5.14E-10	6.80E-10
9971	436692.03	3763462.15	2.02E-09	6.88E-09	8.89E-09	3.13E-10	1.12E-09	1.44E-09	1.69E-10	5.21E-10	6.90E-10
9972	436688.38	3763453.35	2.04E-09	6.97E-09	9.01E-09	3.18E-10	1.14E-09	1.46E-09	1.71E-10	5.28E-10	6.99E-10
9973	436684.73	3763444.55	2.07E-09	7.06E-09	9.13E-09	3.22E-10	1.15E-09	1.47E-09	1.73E-10	5.35E-10	7.08E-10
9974	436681.08	3763435.75	2.1E-09	7.15E-09	9.25E-09	3.26E-10	1.17E-09	1.49E-09	1.76E-10	5.42E-10	7.18E-10
9975	436677.43	3763426.95	2.13E-09	7.25E-09	9.38E-09	3.31E-10	1.19E-09	1.52E-09	1.78E-10	5.50E-10	7.28E-10
9976	436673.78	3763418.15	2.16E-09	7.35E-09	9.51E-09	3.35E-10	1.20E-09	1.54E-09	1.80E-10	5.57E-10	7.38E-10
9977	436670.13	3763409.35	2.19E-09	7.45E-09	9.64E-09	3.40E-10	1.22E-09	1.56E-09	1.83E-10	5.65E-10	7.48E-10
9978	436666.48	3763400.55	2.21E-09	7.55E-09	9.76E-09	3.44E-10	1.23E-09	1.58E-09	1.85E-10	5.72E-10	7.57E-10
9979	436662.83	3763391.75	2.24E-09	7.65E-09	9.89E-09	3.49E-10	1.25E-09	1.60E-09	1.88E-10	5.80E-10	7.67E-10
9980	436659.18	3763382.95	2.27E-09	7.75E-09	1.00E-08	3.53E-10	1.27E-09	1.62E-09	1.90E-10	5.87E-10	7.77E-10
9981	436655.53	3763374.15	2.3E-09	7.85E-09	1.01E-08	3.58E-10	1.28E-09	1.64E-09	1.93E-10	5.95E-10	7.87E-10
9982	436651.88	3763365.35	2.33E-09	7.94E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.02E-10	7.97E-10
9983	436648.23	3763356.55	2.36E-09	8.04E-09	1.04E-08	3.66E-10	1.31E-09	1.68E-09	1.97E-10	6.09E-10	8.06E-10
9984	436644.58	3763347.75	2.38E-09	8.13E-09	1.05E-08	3.70E-10	1.33E-09	1.70E-09	2.00E-10	6.16E-10	8.16E-10
9985	436640.93	3763338.95	2.41E-09	8.22E-09	1.06E-08	3.74E-10	1.34E-09	1.72E-09	2.02E-10	6.23E-10	8.24E-10
9986	436637.28	3763330.15	2.44E-09	8.31E-09	1.07E-08	3.78E-10	1.36E-09	1.74E-09	2.04E-10	6.29E-10	8.33E-10
9987	436633.63	3763321.35	2.46E-09	8.39E-09	1.09E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.36E-10	8.42E-10
9988	436629.97	3763312.55	2.49E-09	8.48E-09	1.10E-08	3.86E-10	1.38E-09	1.77E-09	2.08E-10	6.42E-10	8.50E-10
9989	436626.32	3763303.75	2.51E-09	8.56E-09	1.11E-08	3.90E-10	1.40E-09	1.79E-09	2.10E-10	6.49E-10	8.59E-10
9990	436622.67	3763294.95	2.53E-09	8.64E-09	1.12E-08	3.94E-10	1.41E-09	1.80E-09	2.12E-10	6.55E-10	8.67E-10
9991	436619.02	3763286.15	2.56E-09	8.72E-09	1.13E-08	3.97E-10	1.42E-09	1.82E-09	2.14E-10	6.60E-10	8.74E-10
9992	436615.37	3763277.35	2.58E-09	8.80E-09	1.14E-08	4.01E-10	1.44E-09	1.84E-09	2.16E-10	6.67E-10	8.83E-10
9993	436611.72	3763268.55	2.6E-09	8.88E-09	1.15E-08	4.05E-10	1.45E-09	1.86E-09	2.18E-10	6.73E-10	8.91E-10
9994	436608.07	3763259.75	2.63E-09	8.96E-09	1.16E-08	4.08E-10	1.46E-09	1.87E-09	2.20E-10	6.79E-10	8.99E-10
9995	436604.42	3763250.95	2.65E-09	9.04E-09	1.17E-08	4.12E-10	1.48E-09	1.89E-09	2.22E-10	6.85E-10	9.07E-10
9996	436600.77	3763242.15	2.67E-09	9.12E-09	1.18E-08	4.16E-10	1.49E-09	1.91E-09	2.24E-10	6.91E-10	9.15E-10
9997	436597.12	3763233.35	2.7E-09	9.20E-09	1.19E-08	4.19E-10	1.50E-09	1.92E-09	2.26E-10	6.97E-10	9.23E-10
9998	436593.47	3763224.55	2.72E-09	9.29E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.04E-10	9.32E-10
9999	436589.82	3763215.75	2.75E-09	9.38E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.11E-10	9.41E-10
10000	436586.17	3763206.95	2.78E-09	9.47E-09	1.22E-08	4.32E-10	1.55E-09	1.98E-09	2.32E-10	7.18E-10	9.50E-10

10001	436582.52	3763198.15	2.8E-09	9.56E-09	1.24E-08	4.35E-10	1.56E-09	2.00E-09	2.35E-10	7.24E-10	9.59E-10
10002	436578.87	3763189.35	2.82E-09	9.62E-09	1.24E-08	4.38E-10	1.57E-09	2.01E-09	2.36E-10	7.29E-10	9.65E-10
10003	436575.22	3763180.55	2.84E-09	9.68E-09	1.25E-08	4.41E-10	1.58E-09	2.02E-09	2.38E-10	7.33E-10	9.71E-10
10004	436571.57	3763171.75	2.85E-09	9.73E-09	1.26E-08	4.43E-10	1.59E-09	2.03E-09	2.39E-10	7.38E-10	9.76E-10
10005	436567.92	3763162.95	2.87E-09	9.78E-09	1.27E-08	4.46E-10	1.60E-09	2.04E-09	2.40E-10	7.41E-10	9.82E-10
10006	436564.27	3763154.15	2.88E-09	9.83E-09	1.27E-08	4.48E-10	1.61E-09	2.05E-09	2.41E-10	7.45E-10	9.86E-10
10007	436560.62	3763145.35	2.9E-09	9.88E-09	1.28E-08	4.50E-10	1.61E-09	2.06E-09	2.42E-10	7.48E-10	9.91E-10
10008	436556.97	3763136.55	2.91E-09	9.92E-09	1.28E-08	4.52E-10	1.62E-09	2.07E-09	2.43E-10	7.52E-10	9.95E-10
10009	436553.31	3763127.74	2.92E-09	9.96E-09	1.29E-08	4.54E-10	1.63E-09	2.08E-09	2.44E-10	7.55E-10	9.99E-10
10010	436549.66	3763118.94	2.93E-09	9.99E-09	1.29E-08	4.55E-10	1.63E-09	2.09E-09	2.45E-10	7.57E-10	1.00E-09
10011	436546.01	3763110.14	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.09E-09	2.46E-10	7.60E-10	1.01E-09
10012	436542.36	3763101.34	2.95E-09	1.01E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.62E-10	1.01E-09
10013	436538.71	3763092.54	2.96E-09	1.01E-08	1.30E-08	4.59E-10	1.65E-09	2.11E-09	2.47E-10	7.64E-10	1.01E-09
10014	436535.06	3763083.74	2.96E-09	1.01E-08	1.31E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.65E-10	1.01E-09
10015	436531.41	3763074.94	2.97E-09	1.01E-08	1.31E-08	4.61E-10	1.65E-09	2.11E-09	2.48E-10	7.67E-10	1.02E-09
10016	436527.76	3763066.14	2.97E-09	1.01E-08	1.31E-08	4.62E-10	1.66E-09	2.12E-09	2.49E-10	7.68E-10	1.02E-09
10017	436524.11	3763057.34	2.98E-09	1.01E-08	1.31E-08	4.62E-10	1.66E-09	2.12E-09	2.49E-10	7.69E-10	1.02E-09
10018	436520.46	3763048.54	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.49E-10	7.70E-10	1.02E-09
10019	436516.81	3763039.74	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.49E-10	7.70E-10	1.02E-09
10020	436513.16	3763030.94	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.50E-10	7.70E-10	1.02E-09
10021	436509.51	3763022.14	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.50E-10	7.70E-10	1.02E-09
10022	436505.86	3763013.34	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.49E-10	7.70E-10	1.02E-09
10023	436502.21	3763004.54	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.49E-10	7.70E-10	1.02E-09
10024	436498.56	3762995.74	2.98E-09	1.02E-08	1.31E-08	4.63E-10	1.66E-09	2.12E-09	2.49E-10	7.69E-10	1.02E-09
10025	436494.91	3762986.94	2.97E-09	1.01E-08	1.31E-08	4.62E-10	1.66E-09	2.12E-09	2.49E-10	7.68E-10	1.02E-09
10026	436491.26	3762978.14	2.97E-09	1.01E-08	1.31E-08	4.62E-10	1.66E-09	2.12E-09	2.49E-10	7.68E-10	1.02E-09
10027	436487.61	3762969.34	2.97E-09	1.01E-08	1.31E-08	4.61E-10	1.65E-09	2.11E-09	2.48E-10	7.67E-10	1.02E-09
10028	436483.96	3762960.54	2.96E-09	1.01E-08	1.31E-08	4.61E-10	1.65E-09	2.11E-09	2.48E-10	7.66E-10	1.01E-09
10029	436480.3	3762951.74	2.96E-09	1.01E-08	1.30E-08	4.60E-10	1.65E-09	2.11E-09	2.48E-10	7.65E-10	1.01E-09
10030	436476.65	3762942.94	2.95E-09	1.01E-08	1.30E-08	4.59E-10	1.65E-09	2.10E-09	2.47E-10	7.63E-10	1.01E-09
10031	436473	3762934.14	2.95E-09	1.01E-08	1.30E-08	4.58E-10	1.64E-09	2.10E-09	2.47E-10	7.62E-10	1.01E-09
10032	436469.35	3762925.34	2.94E-09	1.00E-08	1.30E-08	4.57E-10	1.64E-09	2.10E-09	2.46E-10	7.60E-10	1.01E-09
10033	436465.7	3762916.54	2.94E-09	1.00E-08	1.30E-08	4.56E-10	1.64E-09	2.09E-09	2.46E-10	7.59E-10	1.00E-09
10034	436462.05	3762907.74	2.93E-09	9.99E-09	1.29E-08	4.55E-10	1.63E-09	2.09E-09	2.45E-10	7.57E-10	1.00E-09
10035	437365.71	3763783.74	1.45E-09	4.94E-09	6.39E-09	2.25E-10	8.07E-10	1.03E-09	1.21E-10	3.74E-10	4.95E-10
10036	437375.36	3763783.72	1.45E-09	4.96E-09	6.41E-09	2.26E-10	8.10E-10	1.04E-09	1.22E-10	3.76E-10	4.98E-10
10037	437385.01	3763783.7	1.46E-09	4.98E-09	6.44E-09	2.27E-10	8.13E-10	1.04E-09	1.22E-10	3.77E-10	4.99E-10
10038	437394.66	3763783.68	1.47E-09	5.00E-09	6.46E-09	2.28E-10	8.16E-10	1.04E-09	1.23E-10	3.79E-10	5.01E-10
10039	437404.31	3763783.66	1.47E-09	5.02E-09	6.49E-09	2.29E-10	8.19E-10	1.05E-09	1.23E-10	3.80E-10	5.03E-10
10040	437413.96	3763783.64	1.48E-09	5.03E-09	6.51E-09	2.29E-10	8.22E-10	1.05E-09	1.24E-10	3.81E-10	5.05E-10
10041	437423.61	3763783.62	1.48E-09	5.05E-09	6.53E-09	2.30E-10	8.25E-10	1.05E-09	1.24E-10	3.83E-10	5.06E-10
10042	437433.26	3763783.6	1.48E-09	5.06E-09	6.55E-09	2.31E-10	8.27E-10	1.06E-09	1.24E-10	3.84E-10	5.08E-10
10043	437442.91	3763783.58	1.49E-09	5.07E-09	6.56E-09	2.31E-10	8.29E-10	1.06E-09	1.25E-10	3.85E-10	5.09E-10
10044	437452.56	3763783.56	1.49E-09	5.09E-09	6.58E-09	2.32E-10	8.31E-10	1.06E-09	1.25E-10	3.86E-10	5.10E-10
10045	437462.21	3763783.54	1.5E-09	5.10E-09	6.60E-09	2.32E-10	8.33E-10	1.07E-09	1.25E-10	3.87E-10	5.12E-10
10046	437471.86	3763783.52	1.5E-09	5.13E-09	6.63E-09	2.34E-10	8.37E-10	1.07E-09	1.26E-10	3.88E-10	5.14E-10
10047	437481.51	3763783.5	1.51E-09	5.15E-09	6.66E-09	2.35E-10	8.42E-10	1.08E-09	1.26E-10	3.90E-10	5.17E-10
10048	437491.16	3763783.48	1.52E-09	5.18E-09	6.70E-09	2.36E-10	8.46E-10	1.08E-09	1.27E-10	3.92E-10	5.20E-10
10049	437500.81	3763783.46	1.53E-09	5.21E-09	6.74E-09	2.37E-10	8.51E-10	1.09E-09	1.28E-10	3.95E-10	5.22E-10
10050	437510.46	3763783.44	1.54E-09	5.24E-09	6.78E-09	2.39E-10	8.56E-10	1.09E-09	1.29E-10	3.97E-10	5.26E-10
10051	437520.12	3763783.42	1.55E-09	5.27E-09	6.82E-09	2.40E-10	8.62E-10	1.10E-09	1.29E-10	4.00E-10	5.29E-10
10052	437529.77	3763783.4	1.55E-09	5.29E-09	6.84E-09	2.41E-10	8.64E-10	1.11E-09	1.30E-10	4.01E-10	5.31E-10
10053	437539.42	3763783.38	1.56E-09	5.31E-09	6.86E-09	2.42E-10	8.67E-10	1.11E-09	1.30E-10	4.02E-10	5.32E-10
10054	437549.07	3763783.36	1.56E-09	5.32E-09	6.88E-09	2.43E-10	8.70E-10	1.11E-09	1.31E-10	4.03E-10	5.34E-10
10055	437356.96	3763820.1	1.36E-09	4.65E-09	6.01E-09	2.12E-10	7.59E-10	9.70E-10	1.14E-10	3.52E-10	4.66E-10
10056	437348.12	3763816.45	1.36E-09	4.65E-09	6.02E-09	2.12E-10	7.60E-10	9.72E-10	1.14E-10	3.53E-10	4.67E-10
10057	437339.29	3763812.81	1.37E-09	4.66E-09	6.02E-09	2.12E-10	7.61E-10	9.73E-10	1.14E-10	3.53E-10	4.67E-10
10058	437330.46	3763809.17	1.37E-09	4.67E-09	6.03E-09	2.13E-10	7.62E-10	9.75E-10	1.15E-10	3.54E-10	4.68E-10
10059	437321.63	3763805.53	1.37E-09	4.67E-09	6.04E-09	2.13E-10	7.63E-10	9.76E-10	1.15E-10	3.54E-10	4.69E-10
10060	437312.79	3763801.88	1.37E-09	4.68E-09	6.05E-09	2.13E-10	7.64E-10	9.78E-10	1.15E-10	3.55E-10	4.69E-10
10061	437303.96	3763798.24	1.37E-09	4.69E-09	6.06E-09	2.14E-10	7.66E-10	9.79E-10	1.15E-10	3.55E-10	4.70E-10

10062	437295.13	3763794.6	1.38E-09	4.70E-09	6.07E-09	2.14E-10	7.67E-10	9.81E-10	1.15E-10	3.56E-10	4.71E-10
10063	437286.3	3763790.96	1.38E-09	4.70E-09	6.08E-09	2.14E-10	7.68E-10	9.82E-10	1.15E-10	3.56E-10	4.72E-10
10064	437277.46	3763787.31	1.38E-09	4.71E-09	6.09E-09	2.15E-10	7.69E-10	9.84E-10	1.16E-10	3.57E-10	4.72E-10
10065	437268.63	3763783.67	1.38E-09	4.71E-09	6.10E-09	2.15E-10	7.70E-10	9.85E-10	1.16E-10	3.57E-10	4.73E-10
10066	437259.8	3763780.03	1.38E-09	4.72E-09	6.10E-09	2.15E-10	7.71E-10	9.86E-10	1.16E-10	3.58E-10	4.73E-10
10067	437250.97	3763776.39	1.38E-09	4.72E-09	6.11E-09	2.15E-10	7.71E-10	9.87E-10	1.16E-10	3.58E-10	4.74E-10
10068	437242.13	3763772.74	1.39E-09	4.73E-09	6.11E-09	2.15E-10	7.72E-10	9.88E-10	1.16E-10	3.58E-10	4.74E-10
10069	437233.3	3763769.1	1.39E-09	4.73E-09	6.12E-09	2.16E-10	7.73E-10	9.88E-10	1.16E-10	3.58E-10	4.75E-10
10070	437224.47	3763765.46	1.39E-09	4.74E-09	6.12E-09	2.16E-10	7.74E-10	9.89E-10	1.16E-10	3.59E-10	4.75E-10
10071	437215.64	3763761.82	1.39E-09	4.74E-09	6.13E-09	2.16E-10	7.75E-10	9.91E-10	1.16E-10	3.59E-10	4.76E-10
10072	437206.8	3763758.17	1.39E-09	4.75E-09	6.14E-09	2.16E-10	7.75E-10	9.92E-10	1.17E-10	3.60E-10	4.76E-10
10073	437197.97	3763754.53	1.39E-09	4.75E-09	6.15E-09	2.17E-10	7.77E-10	9.93E-10	1.17E-10	3.60E-10	4.77E-10
10074	437189.14	3763750.89	1.4E-09	4.76E-09	6.16E-09	2.17E-10	7.78E-10	9.95E-10	1.17E-10	3.61E-10	4.78E-10
10075	437180.31	3763747.25	1.4E-09	4.77E-09	6.17E-09	2.17E-10	7.79E-10	9.97E-10	1.17E-10	3.61E-10	4.79E-10
10076	437153.81	3763736.32	1.41E-09	4.80E-09	6.20E-09	2.19E-10	7.84E-10	1.00E-09	1.18E-10	3.63E-10	4.81E-10
10077	437144.98	3763732.68	1.41E-09	4.81E-09	6.22E-09	2.19E-10	7.86E-10	1.01E-09	1.18E-10	3.65E-10	4.83E-10
10078	437136.14	3763729.03	1.41E-09	4.82E-09	6.24E-09	2.20E-10	7.88E-10	1.01E-09	1.18E-10	3.66E-10	4.84E-10
10079	437127.31	3763725.39	1.42E-09	4.83E-09	6.25E-09	2.20E-10	7.90E-10	1.01E-09	1.19E-10	3.66E-10	4.85E-10
10080	437118.48	3763721.75	1.42E-09	4.85E-09	6.27E-09	2.21E-10	7.92E-10	1.01E-09	1.19E-10	3.67E-10	4.86E-10
10081	437109.64	3763718.11	1.42E-09	4.86E-09	6.28E-09	2.21E-10	7.93E-10	1.01E-09	1.19E-10	3.68E-10	4.87E-10
10082	437100.81	3763714.46	1.43E-09	4.87E-09	6.30E-09	2.22E-10	7.95E-10	1.02E-09	1.20E-10	3.69E-10	4.88E-10
10083	437091.98	3763710.82	1.43E-09	4.88E-09	6.31E-09	2.22E-10	7.97E-10	1.02E-09	1.20E-10	3.70E-10	4.89E-10
10084	437083.15	3763707.18	1.43E-09	4.89E-09	6.32E-09	2.23E-10	7.98E-10	1.02E-09	1.20E-10	3.70E-10	4.90E-10
10085	437012.49	3763678.04	1.49E-09	5.09E-09	6.58E-09	2.32E-10	8.31E-10	1.06E-09	1.25E-10	3.85E-10	5.10E-10
10086	437003.65	3763674.4	1.5E-09	5.12E-09	6.62E-09	2.33E-10	8.36E-10	1.07E-09	1.26E-10	3.88E-10	5.14E-10
10087	436994.82	3763670.75	1.51E-09	5.16E-09	6.67E-09	2.35E-10	8.43E-10	1.08E-09	1.27E-10	3.91E-10	5.17E-10
10088	436985.99	3763667.11	1.52E-09	5.19E-09	6.72E-09	2.37E-10	8.49E-10	1.09E-09	1.28E-10	3.94E-10	5.21E-10
10089	436977.16	3763663.47	1.53E-09	5.23E-09	6.77E-09	2.38E-10	8.55E-10	1.09E-09	1.28E-10	3.96E-10	5.25E-10
10090	436968.32	3763659.83	1.56E-09	5.31E-09	6.87E-09	2.42E-10	8.68E-10	1.11E-09	1.30E-10	4.03E-10	5.33E-10
10091	436959.49	3763656.18	1.57E-09	5.34E-09	6.90E-09	2.43E-10	8.72E-10	1.12E-09	1.31E-10	4.05E-10	5.36E-10
10092	436950.66	3763652.54	1.57E-09	5.36E-09	6.94E-09	2.44E-10	8.76E-10	1.12E-09	1.32E-10	4.06E-10	5.38E-10
10093	436941.83	3763648.9	1.58E-09	5.39E-09	6.97E-09	2.45E-10	8.80E-10	1.13E-09	1.32E-10	4.08E-10	5.40E-10
10094	436932.99	3763645.26	1.59E-09	5.41E-09	7.00E-09	2.47E-10	8.84E-10	1.13E-09	1.33E-10	4.10E-10	5.43E-10
10095	436924.16	3763641.61	1.59E-09	5.44E-09	7.03E-09	2.48E-10	8.88E-10	1.14E-09	1.33E-10	4.12E-10	5.45E-10
10096	436915.33	3763637.97	1.6E-09	5.46E-09	7.06E-09	2.49E-10	8.92E-10	1.14E-09	1.34E-10	4.14E-10	5.48E-10
10097	436906.5	3763634.33	1.61E-09	5.48E-09	7.09E-09	2.50E-10	8.96E-10	1.15E-09	1.35E-10	4.15E-10	5.50E-10
10098	436844.67	3763608.83	1.65E-09	5.62E-09	7.27E-09	2.56E-10	9.19E-10	1.18E-09	1.38E-10	4.26E-10	5.64E-10
10099	436835.84	3763605.19	1.65E-09	5.64E-09	7.30E-09	2.57E-10	9.22E-10	1.18E-09	1.39E-10	4.28E-10	5.66E-10
10100	436827	3763601.55	1.66E-09	5.66E-09	7.32E-09	2.58E-10	9.24E-10	1.18E-09	1.39E-10	4.29E-10	5.68E-10
10101	436818.17	3763597.9	1.66E-09	5.67E-09	7.34E-09	2.59E-10	9.27E-10	1.19E-09	1.39E-10	4.30E-10	5.69E-10
10102	436809.34	3763594.26	1.67E-09	5.69E-09	7.36E-09	2.59E-10	9.29E-10	1.19E-09	1.40E-10	4.31E-10	5.71E-10
10103	436800.5	3763590.62	1.67E-09	5.70E-09	7.37E-09	2.60E-10	9.31E-10	1.19E-09	1.40E-10	4.32E-10	5.72E-10
10104	436791.67	3763586.98	1.67E-09	5.71E-09	7.38E-09	2.60E-10	9.33E-10	1.19E-09	1.40E-10	4.33E-10	5.73E-10
10105	436782.84	3763583.33	1.68E-09	5.72E-09	7.39E-09	2.61E-10	9.34E-10	1.19E-09	1.40E-10	4.33E-10	5.74E-10
10106	436774.01	3763579.69	1.68E-09	5.73E-09	7.40E-09	2.61E-10	9.35E-10	1.20E-09	1.41E-10	4.34E-10	5.74E-10
10107	436747.51	3763568.76	1.69E-09	5.77E-09	7.46E-09	2.63E-10	9.42E-10	1.20E-09	1.42E-10	4.37E-10	5.78E-10
10108	436738.68	3763565.12	1.69E-09	5.78E-09	7.47E-09	2.63E-10	9.44E-10	1.21E-09	1.42E-10	4.38E-10	5.80E-10
10109	436729.84	3763561.48	1.7E-09	5.80E-09	7.50E-09	2.64E-10	9.48E-10	1.21E-09	1.42E-10	4.40E-10	5.82E-10
10110	436721.01	3763557.84	1.71E-09	5.82E-09	7.53E-09	2.65E-10	9.51E-10	1.22E-09	1.43E-10	4.41E-10	5.84E-10
10111	436712.18	3763554.19	1.71E-09	5.85E-09	7.56E-09	2.66E-10	9.55E-10	1.22E-09	1.43E-10	4.43E-10	5.86E-10
10112	436703.35	3763550.55	1.72E-09	5.88E-09	7.60E-09	2.68E-10	9.60E-10	1.23E-09	1.44E-10	4.45E-10	5.90E-10
10113	436694.51	3763546.91	1.73E-09	5.90E-09	7.63E-09	2.69E-10	9.64E-10	1.23E-09	1.45E-10	4.47E-10	5.92E-10
10114	436682.02	3763534.44	1.76E-09	6.01E-09	7.77E-09	2.74E-10	9.82E-10	1.26E-09	1.48E-10	4.55E-10	6.03E-10
10115	436678.36	3763525.62	1.79E-09	6.10E-09	7.89E-09	2.78E-10	9.96E-10	1.27E-09	1.50E-10	4.62E-10	6.12E-10
10116	436674.7	3763516.79	1.81E-09	6.18E-09	7.99E-09	2.82E-10	1.01E-09	1.29E-09	1.52E-10	4.68E-10	6.20E-10
10117	436671.04	3763507.97	1.84E-09	6.26E-09	8.10E-09	2.85E-10	1.02E-09	1.31E-09	1.54E-10	4.74E-10	6.28E-10
10118	436667.38	3763499.14	1.86E-09	6.34E-09	8.21E-09	2.89E-10	1.04E-09	1.33E-09	1.56E-10	4.81E-10	6.36E-10
10119	436663.72	3763490.32	1.89E-09	6.43E-09	8.32E-09	2.93E-10	1.05E-09	1.34E-09	1.58E-10	4.87E-10	6.45E-10
10120	436660.06	3763481.49	1.91E-09	6.52E-09	8.43E-09	2.97E-10	1.06E-09	1.36E-09	1.60E-10	4.94E-10	6.54E-10
10121	436656.39	3763472.67	1.94E-09	6.60E-09	8.54E-09	3.01E-10	1.08E-09	1.38E-09	1.62E-10	5.00E-10	6.62E-10
10122	436652.73	3763463.84	1.96E-09	6.68E-09	8.64E-09	3.04E-10	1.09E-09	1.40E-09	1.64E-10	5.06E-10	6.70E-10

10123	436649.07	3763455.02	1.98E-09	6.76E-09	8.75E-09	3.08E-10	1.10E-09	1.41E-09	1.66E-10	5.12E-10	6.79E-10
10124	436645.41	3763446.19	2.01E-09	6.85E-09	8.85E-09	3.12E-10	1.12E-09	1.43E-09	1.68E-10	5.19E-10	6.87E-10
10125	436641.75	3763437.37	2.03E-09	6.93E-09	8.96E-09	3.16E-10	1.13E-09	1.45E-09	1.70E-10	5.25E-10	6.95E-10
10126	436638.09	3763428.54	2.06E-09	7.02E-09	9.08E-09	3.20E-10	1.15E-09	1.47E-09	1.72E-10	5.32E-10	7.04E-10
10127	436634.43	3763419.72	2.08E-09	7.11E-09	9.19E-09	3.24E-10	1.16E-09	1.48E-09	1.74E-10	5.39E-10	7.13E-10
10128	436630.77	3763410.89	2.11E-09	7.20E-09	9.31E-09	3.28E-10	1.18E-09	1.50E-09	1.77E-10	5.45E-10	7.22E-10
10129	436627.11	3763402.07	2.14E-09	7.29E-09	9.43E-09	3.32E-10	1.19E-09	1.52E-09	1.79E-10	5.53E-10	7.32E-10
10130	436623.45	3763393.24	2.17E-09	7.39E-09	9.55E-09	3.37E-10	1.21E-09	1.54E-09	1.81E-10	5.60E-10	7.41E-10
10131	436619.79	3763384.42	2.19E-09	7.48E-09	9.67E-09	3.41E-10	1.22E-09	1.56E-09	1.84E-10	5.67E-10	7.51E-10
10132	436616.13	3763375.59	2.22E-09	7.57E-09	9.79E-09	3.45E-10	1.24E-09	1.58E-09	1.86E-10	5.73E-10	7.59E-10
10133	436612.47	3763366.77	2.24E-09	7.65E-09	9.89E-09	3.48E-10	1.25E-09	1.60E-09	1.88E-10	5.79E-10	7.67E-10
10134	436608.8	3763357.94	2.27E-09	7.73E-09	9.99E-09	3.52E-10	1.26E-09	1.61E-09	1.90E-10	5.85E-10	7.75E-10
10135	436605.14	3763349.12	2.29E-09	7.80E-09	1.01E-08	3.56E-10	1.27E-09	1.63E-09	1.92E-10	5.91E-10	7.83E-10
10136	436601.48	3763340.29	2.31E-09	7.88E-09	1.02E-08	3.59E-10	1.29E-09	1.65E-09	1.93E-10	5.97E-10	7.90E-10
10137	436597.82	3763331.47	2.33E-09	7.94E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.02E-10	7.97E-10
10138	436594.16	3763322.64	2.35E-09	8.01E-09	1.04E-08	3.65E-10	1.31E-09	1.67E-09	1.97E-10	6.07E-10	8.04E-10
10139	436590.5	3763313.82	2.37E-09	8.08E-09	1.05E-08	3.68E-10	1.32E-09	1.69E-09	1.98E-10	6.12E-10	8.11E-10
10140	436586.84	3763304.99	2.39E-09	8.16E-09	1.05E-08	3.72E-10	1.33E-09	1.70E-09	2.00E-10	6.18E-10	8.18E-10
10141	436583.18	3763296.17	2.41E-09	8.23E-09	1.06E-08	3.75E-10	1.34E-09	1.72E-09	2.02E-10	6.24E-10	8.26E-10
10142	436579.52	3763287.34	2.43E-09	8.30E-09	1.07E-08	3.78E-10	1.36E-09	1.73E-09	2.04E-10	6.29E-10	8.33E-10
10143	436575.86	3763278.52	2.46E-09	8.37E-09	1.08E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.35E-10	8.40E-10
10144	436572.2	3763269.69	2.48E-09	8.45E-09	1.09E-08	3.85E-10	1.38E-09	1.77E-09	2.07E-10	6.40E-10	8.48E-10
10145	436568.54	3763260.87	2.5E-09	8.52E-09	1.10E-08	3.88E-10	1.39E-09	1.78E-09	2.09E-10	6.46E-10	8.55E-10
10146	436564.88	3763252.04	2.52E-09	8.61E-09	1.11E-08	3.92E-10	1.41E-09	1.80E-09	2.11E-10	6.52E-10	8.63E-10
10147	436561.21	3763243.22	2.55E-09	8.69E-09	1.12E-08	3.96E-10	1.42E-09	1.82E-09	2.13E-10	6.59E-10	8.72E-10
10148	436557.55	3763234.39	2.57E-09	8.78E-09	1.14E-08	4.00E-10	1.43E-09	1.83E-09	2.15E-10	6.65E-10	8.81E-10
10149	436553.89	3763225.57	2.6E-09	8.85E-09	1.14E-08	4.03E-10	1.45E-09	1.85E-09	2.17E-10	6.71E-10	8.88E-10
10150	436550.23	3763216.74	2.61E-09	8.91E-09	1.15E-08	4.06E-10	1.46E-09	1.86E-09	2.19E-10	6.75E-10	8.94E-10
10151	436546.57	3763207.92	2.63E-09	8.96E-09	1.16E-08	4.08E-10	1.46E-09	1.87E-09	2.20E-10	6.79E-10	8.99E-10
10152	436542.91	3763199.09	2.64E-09	9.02E-09	1.17E-08	4.11E-10	1.47E-09	1.88E-09	2.21E-10	6.83E-10	9.05E-10
10153	436539.25	3763190.27	2.66E-09	9.07E-09	1.17E-08	4.13E-10	1.48E-09	1.89E-09	2.23E-10	6.87E-10	9.10E-10
10154	436535.59	3763181.44	2.67E-09	9.12E-09	1.18E-08	4.15E-10	1.49E-09	1.90E-09	2.24E-10	6.91E-10	9.15E-10
10155	436531.93	3763172.62	2.69E-09	9.16E-09	1.18E-08	4.17E-10	1.50E-09	1.91E-09	2.25E-10	6.94E-10	9.19E-10
10156	436528.27	3763163.79	2.7E-09	9.20E-09	1.19E-08	4.19E-10	1.50E-09	1.92E-09	2.26E-10	6.97E-10	9.23E-10
10157	436524.61	3763154.97	2.71E-09	9.24E-09	1.19E-08	4.21E-10	1.51E-09	1.93E-09	2.27E-10	7.00E-10	9.27E-10
10158	436520.95	3763146.14	2.72E-09	9.28E-09	1.20E-08	4.23E-10	1.52E-09	1.94E-09	2.28E-10	7.03E-10	9.31E-10
10159	436517.28	3763137.32	2.73E-09	9.31E-09	1.20E-08	4.24E-10	1.52E-09	1.94E-09	2.28E-10	7.05E-10	9.34E-10
10160	436513.62	3763128.49	2.74E-09	9.34E-09	1.21E-08	4.26E-10	1.53E-09	1.95E-09	2.29E-10	7.08E-10	9.37E-10
10161	436509.96	3763119.67	2.75E-09	9.37E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.10E-10	9.40E-10
10162	436506.3	3763110.84	2.75E-09	9.39E-09	1.21E-08	4.28E-10	1.53E-09	1.96E-09	2.31E-10	7.12E-10	9.42E-10
10163	436502.64	3763102.02	2.76E-09	9.41E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.13E-10	9.44E-10
10164	436498.98	3763093.19	2.77E-09	9.43E-09	1.22E-08	4.30E-10	1.54E-09	1.97E-09	2.31E-10	7.14E-10	9.46E-10
10165	436495.32	3763084.37	2.77E-09	9.44E-09	1.22E-08	4.30E-10	1.54E-09	1.97E-09	2.32E-10	7.16E-10	9.48E-10
10166	436491.66	3763075.54	2.77E-09	9.46E-09	1.22E-08	4.31E-10	1.55E-09	1.98E-09	2.32E-10	7.17E-10	9.49E-10
10167	436488	3763066.72	2.78E-09	9.47E-09	1.22E-08	4.31E-10	1.55E-09	1.98E-09	2.32E-10	7.17E-10	9.50E-10
10168	436484.34	3763057.89	2.78E-09	9.47E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.50E-10
10169	436480.68	3763049.07	2.78E-09	9.48E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.51E-10
10170	436477.02	3763040.24	2.78E-09	9.48E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.51E-10
10171	436473.36	3763031.42	2.78E-09	9.48E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.51E-10
10172	436469.69	3763022.59	2.78E-09	9.48E-09	1.23E-08	4.32E-10	1.55E-09	1.98E-09	2.33E-10	7.18E-10	9.51E-10
10173	436466.03	3763013.77	2.78E-09	9.47E-09	1.22E-08	4.32E-10	1.55E-09	1.98E-09	2.32E-10	7.18E-10	9.50E-10
10174	436462.37	3763004.94	2.78E-09	9.47E-09	1.22E-08	4.31E-10	1.55E-09	1.98E-09	2.32E-10	7.17E-10	9.50E-10
10175	436458.71	3762996.12	2.77E-09	9.46E-09	1.22E-08	4.31E-10	1.55E-09	1.98E-09	2.32E-10	7.17E-10	9.49E-10
10176	436455.05	3762987.29	2.77E-09	9.45E-09	1.22E-08	4.30E-10	1.54E-09	1.97E-09	2.32E-10	7.16E-10	9.48E-10
10177	436451.39	3762978.47	2.77E-09	9.44E-09	1.22E-08	4.30E-10	1.54E-09	1.97E-09	2.32E-10	7.15E-10	9.47E-10
10178	436447.73	3762969.64	2.76E-09	9.42E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.14E-10	9.45E-10
10179	436444.07	3762960.82	2.76E-09	9.41E-09	1.22E-08	4.29E-10	1.54E-09	1.97E-09	2.31E-10	7.13E-10	9.44E-10
10180	436440.41	3762951.99	2.76E-09	9.40E-09	1.22E-08	4.28E-10	1.54E-09	1.96E-09	2.31E-10	7.12E-10	9.43E-10
10181	436436.75	3762943.17	2.75E-09	9.38E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.11E-10	9.41E-10
10182	436433.09	3762934.34	2.75E-09	9.36E-09	1.21E-08	4.27E-10	1.53E-09	1.96E-09	2.30E-10	7.09E-10	9.39E-10
10183	436429.43	3762925.52	2.74E-09	9.35E-09	1.21E-08	4.26E-10	1.53E-09	1.95E-09	2.29E-10	7.08E-10	9.38E-10

10184	436425.76	3762916.69	2.73E-09	9.32E-09	1.21E-08	4.25E-10	1.52E-09	1.95E-09	2.29E-10	7.07E-10	9.35E-10
10185	436422.1	3762907.87	2.73E-09	9.30E-09	1.20E-08	4.24E-10	1.52E-09	1.94E-09	2.28E-10	7.05E-10	9.33E-10
10186	437365.79	3763823.74	1.36E-09	4.64E-09	6.00E-09	2.11E-10	7.58E-10	9.69E-10	1.14E-10	3.51E-10	4.65E-10
10187	437375.44	3763823.72	1.37E-09	4.66E-09	6.02E-09	2.12E-10	7.61E-10	9.73E-10	1.14E-10	3.53E-10	4.67E-10
10188	437385.09	3763823.7	1.37E-09	4.68E-09	6.05E-09	2.13E-10	7.64E-10	9.77E-10	1.15E-10	3.54E-10	4.69E-10
10189	437394.74	3763823.68	1.38E-09	4.70E-09	6.07E-09	2.14E-10	7.67E-10	9.81E-10	1.15E-10	3.56E-10	4.71E-10
10190	437404.39	3763823.66	1.38E-09	4.71E-09	6.10E-09	2.15E-10	7.70E-10	9.85E-10	1.16E-10	3.57E-10	4.73E-10
10191	437414.04	3763823.64	1.39E-09	4.73E-09	6.12E-09	2.16E-10	7.73E-10	9.88E-10	1.16E-10	3.58E-10	4.75E-10
10192	437423.69	3763823.62	1.39E-09	4.75E-09	6.14E-09	2.16E-10	7.75E-10	9.92E-10	1.17E-10	3.60E-10	4.76E-10
10193	437433.34	3763823.6	1.4E-09	4.76E-09	6.16E-09	2.17E-10	7.78E-10	9.94E-10	1.17E-10	3.61E-10	4.78E-10
10194	437442.99	3763823.58	1.4E-09	4.77E-09	6.17E-09	2.17E-10	7.80E-10	9.97E-10	1.17E-10	3.62E-10	4.79E-10
10195	437452.64	3763823.56	1.4E-09	4.78E-09	6.19E-09	2.18E-10	7.81E-10	9.99E-10	1.17E-10	3.62E-10	4.80E-10
10196	437462.29	3763823.54	1.41E-09	4.80E-09	6.20E-09	2.19E-10	7.84E-10	1.00E-09	1.18E-10	3.63E-10	4.81E-10
10197	437471.95	3763823.52	1.41E-09	4.81E-09	6.22E-09	2.19E-10	7.86E-10	1.01E-09	1.18E-10	3.65E-10	4.83E-10
10198	437481.6	3763823.5	1.41E-09	4.82E-09	6.23E-09	2.20E-10	7.88E-10	1.01E-09	1.18E-10	3.65E-10	4.84E-10
10199	437491.25	3763823.48	1.42E-09	4.84E-09	6.26E-09	2.20E-10	7.90E-10	1.01E-09	1.19E-10	3.67E-10	4.85E-10
10200	437500.9	3763823.46	1.42E-09	4.86E-09	6.28E-09	2.21E-10	7.94E-10	1.02E-09	1.19E-10	3.68E-10	4.87E-10
10201	437510.55	3763823.44	1.43E-09	4.88E-09	6.31E-09	2.22E-10	7.97E-10	1.02E-09	1.20E-10	3.70E-10	4.90E-10
10202	437520.2	3763823.42	1.44E-09	4.90E-09	6.34E-09	2.23E-10	8.01E-10	1.02E-09	1.20E-10	3.72E-10	4.92E-10
10203	437529.85	3763823.4	1.44E-09	4.92E-09	6.36E-09	2.24E-10	8.03E-10	1.03E-09	1.21E-10	3.73E-10	4.93E-10
10204	437539.5	3763823.38	1.45E-09	4.93E-09	6.38E-09	2.25E-10	8.05E-10	1.03E-09	1.21E-10	3.74E-10	4.95E-10
10205	437549.15	3763823.36	1.45E-09	4.94E-09	6.39E-09	2.25E-10	8.07E-10	1.03E-09	1.21E-10	3.74E-10	4.96E-10
10206	437357.02	3763860.09	1.28E-09	4.38E-09	5.66E-09	1.99E-10	7.15E-10	9.15E-10	1.07E-10	3.32E-10	4.39E-10
10207	437348.16	3763856.43	1.29E-09	4.39E-09	5.67E-09	2.00E-10	7.17E-10	9.16E-10	1.08E-10	3.32E-10	4.40E-10
10208	437339.31	3763852.78	1.29E-09	4.39E-09	5.68E-09	2.00E-10	7.17E-10	9.18E-10	1.08E-10	3.33E-10	4.41E-10
10209	437330.45	3763849.13	1.29E-09	4.40E-09	5.69E-09	2.00E-10	7.19E-10	9.19E-10	1.08E-10	3.33E-10	4.41E-10
10210	437321.59	3763845.48	1.29E-09	4.41E-09	5.70E-09	2.01E-10	7.20E-10	9.21E-10	1.08E-10	3.34E-10	4.42E-10
10211	437312.74	3763841.83	1.29E-09	4.41E-09	5.71E-09	2.01E-10	7.21E-10	9.22E-10	1.08E-10	3.34E-10	4.43E-10
10212	437303.88	3763838.17	1.3E-09	4.42E-09	5.71E-09	2.01E-10	7.22E-10	9.23E-10	1.08E-10	3.35E-10	4.43E-10
10213	437295.03	3763834.52	1.3E-09	4.43E-09	5.72E-09	2.02E-10	7.23E-10	9.25E-10	1.09E-10	3.35E-10	4.44E-10
10214	437286.17	3763830.87	1.3E-09	4.43E-09	5.73E-09	2.02E-10	7.24E-10	9.26E-10	1.09E-10	3.36E-10	4.45E-10
10215	437277.32	3763827.22	1.3E-09	4.44E-09	5.74E-09	2.02E-10	7.25E-10	9.28E-10	1.09E-10	3.36E-10	4.45E-10
10216	437268.46	3763823.57	1.3E-09	4.44E-09	5.75E-09	2.03E-10	7.26E-10	9.29E-10	1.09E-10	3.37E-10	4.46E-10
10217	437259.61	3763819.91	1.31E-09	4.45E-09	5.76E-09	2.03E-10	7.27E-10	9.30E-10	1.09E-10	3.37E-10	4.46E-10
10218	437250.75	3763816.26	1.31E-09	4.46E-09	5.76E-09	2.03E-10	7.28E-10	9.31E-10	1.09E-10	3.38E-10	4.47E-10
10219	437241.89	3763812.61	1.31E-09	4.46E-09	5.77E-09	2.03E-10	7.28E-10	9.31E-10	1.09E-10	3.38E-10	4.47E-10
10220	437233.04	3763808.96	1.31E-09	4.46E-09	5.77E-09	2.03E-10	7.29E-10	9.33E-10	1.10E-10	3.38E-10	4.48E-10
10221	437224.18	3763805.31	1.31E-09	4.47E-09	5.78E-09	2.04E-10	7.30E-10	9.33E-10	1.10E-10	3.38E-10	4.48E-10
10222	437215.33	3763801.65	1.31E-09	4.47E-09	5.78E-09	2.04E-10	7.30E-10	9.34E-10	1.10E-10	3.39E-10	4.48E-10
10223	437206.47	3763798	1.31E-09	4.47E-09	5.78E-09	2.04E-10	7.30E-10	9.34E-10	1.10E-10	3.39E-10	4.49E-10
10224	437197.62	3763794.35	1.31E-09	4.47E-09	5.79E-09	2.04E-10	7.31E-10	9.35E-10	1.10E-10	3.39E-10	4.49E-10
10225	437188.76	3763790.7	1.31E-09	4.48E-09	5.79E-09	2.04E-10	7.31E-10	9.35E-10	1.10E-10	3.39E-10	4.49E-10
10226	437179.91	3763787.05	1.31E-09	4.48E-09	5.80E-09	2.04E-10	7.32E-10	9.36E-10	1.10E-10	3.40E-10	4.50E-10
10227	437153.34	3763776.09	1.32E-09	4.51E-09	5.83E-09	2.05E-10	7.37E-10	9.42E-10	1.11E-10	3.42E-10	4.52E-10
10228	437144.48	3763772.44	1.33E-09	4.52E-09	5.85E-09	2.06E-10	7.38E-10	9.44E-10	1.11E-10	3.42E-10	4.53E-10
10229	437135.63	3763768.79	1.33E-09	4.53E-09	5.86E-09	2.07E-10	7.41E-10	9.47E-10	1.11E-10	3.43E-10	4.55E-10
10230	437126.77	3763765.13	1.33E-09	4.54E-09	5.88E-09	2.07E-10	7.42E-10	9.49E-10	1.12E-10	3.44E-10	4.56E-10
10231	437117.92	3763761.48	1.33E-09	4.55E-09	5.89E-09	2.07E-10	7.44E-10	9.51E-10	1.12E-10	3.45E-10	4.57E-10
10232	437109.06	3763757.83	1.34E-09	4.56E-09	5.90E-09	2.08E-10	7.45E-10	9.53E-10	1.12E-10	3.46E-10	4.57E-10
10233	437100.21	3763754.18	1.34E-09	4.57E-09	5.91E-09	2.08E-10	7.47E-10	9.55E-10	1.12E-10	3.46E-10	4.59E-10
10234	437091.35	3763750.53	1.34E-09	4.57E-09	5.91E-09	2.08E-10	7.47E-10	9.55E-10	1.12E-10	3.47E-10	4.59E-10
10235	437082.49	3763746.87	1.34E-09	4.58E-09	5.92E-09	2.09E-10	7.48E-10	9.57E-10	1.12E-10	3.47E-10	4.59E-10
10236	437073.64	3763743.22	1.34E-09	4.58E-09	5.93E-09	2.09E-10	7.49E-10	9.58E-10	1.13E-10	3.47E-10	4.60E-10
10237	437064.78	3763739.57	1.35E-09	4.59E-09	5.94E-09	2.09E-10	7.51E-10	9.60E-10	1.13E-10	3.48E-10	4.61E-10
10238	437055.93	3763735.92	1.35E-09	4.61E-09	5.96E-09	2.10E-10	7.53E-10	9.63E-10	1.13E-10	3.49E-10	4.62E-10
10239	437047.07	3763732.27	1.36E-09	4.62E-09	5.98E-09	2.11E-10	7.55E-10	9.66E-10	1.13E-10	3.50E-10	4.64E-10
10240	437038.22	3763728.61	1.36E-09	4.64E-09	6.00E-09	2.12E-10	7.58E-10	9.70E-10	1.14E-10	3.52E-10	4.66E-10
10241	437029.36	3763724.96	1.37E-09	4.67E-09	6.03E-09	2.13E-10	7.62E-10	9.75E-10	1.15E-10	3.54E-10	4.68E-10
10242	437020.5	3763721.31	1.38E-09	4.69E-09	6.07E-09	2.14E-10	7.66E-10	9.80E-10	1.15E-10	3.55E-10	4.71E-10
10243	437011.65	3763717.66	1.38E-09	4.72E-09	6.10E-09	2.15E-10	7.71E-10	9.86E-10	1.16E-10	3.58E-10	4.73E-10
10244	437002.79	3763714.01	1.39E-09	4.75E-09	6.14E-09	2.16E-10	7.75E-10	9.92E-10	1.17E-10	3.60E-10	4.76E-10

10245	436993.94	3763710.35	1.4E-09	4.78E-09	6.18E-09	2.18E-10	7.80E-10	9.98E-10	1.17E-10	3.62E-10	4.79E-10
10246	436985.08	3763706.7	1.41E-09	4.81E-09	6.22E-09	2.19E-10	7.85E-10	1.00E-09	1.18E-10	3.64E-10	4.82E-10
10247	436923.09	3763681.14	1.47E-09	5.01E-09	6.48E-09	2.28E-10	8.19E-10	1.05E-09	1.23E-10	3.80E-10	5.03E-10
10248	436914.24	3763677.49	1.48E-09	5.03E-09	6.51E-09	2.29E-10	8.22E-10	1.05E-09	1.24E-10	3.81E-10	5.05E-10
10249	436905.38	3763673.83	1.48E-09	5.06E-09	6.54E-09	2.30E-10	8.26E-10	1.06E-09	1.24E-10	3.83E-10	5.07E-10
10250	436896.53	3763670.18	1.49E-09	5.09E-09	6.58E-09	2.32E-10	8.31E-10	1.06E-09	1.25E-10	3.85E-10	5.10E-10
10251	436887.67	3763666.53	1.5E-09	5.11E-09	6.61E-09	2.33E-10	8.35E-10	1.07E-09	1.25E-10	3.87E-10	5.13E-10
10252	436878.82	3763662.88	1.51E-09	5.14E-09	6.65E-09	2.34E-10	8.39E-10	1.07E-09	1.26E-10	3.89E-10	5.16E-10
10253	436869.96	3763659.23	1.51E-09	5.16E-09	6.68E-09	2.35E-10	8.43E-10	1.08E-09	1.27E-10	3.91E-10	5.18E-10
10254	436861.1	3763655.57	1.52E-09	5.19E-09	6.71E-09	2.36E-10	8.47E-10	1.08E-09	1.27E-10	3.93E-10	5.20E-10
10255	436852.25	3763651.92	1.53E-09	5.21E-09	6.74E-09	2.37E-10	8.51E-10	1.09E-09	1.28E-10	3.95E-10	5.23E-10
10256	436843.39	3763648.27	1.54E-09	5.23E-09	6.77E-09	2.39E-10	8.55E-10	1.09E-09	1.28E-10	3.97E-10	5.25E-10
10257	436834.54	3763644.62	1.54E-09	5.26E-09	6.80E-09	2.39E-10	8.59E-10	1.10E-09	1.29E-10	3.98E-10	5.27E-10
10258	436825.68	3763640.97	1.55E-09	5.28E-09	6.82E-09	2.40E-10	8.62E-10	1.10E-09	1.30E-10	4.00E-10	5.29E-10
10259	436816.83	3763637.31	1.55E-09	5.29E-09	6.85E-09	2.41E-10	8.65E-10	1.11E-09	1.30E-10	4.01E-10	5.31E-10
10260	436745.98	3763608.1	1.58E-09	5.40E-09	6.99E-09	2.46E-10	8.83E-10	1.13E-09	1.33E-10	4.09E-10	5.42E-10
10261	436737.13	3763604.45	1.59E-09	5.42E-09	7.00E-09	2.47E-10	8.85E-10	1.13E-09	1.33E-10	4.10E-10	5.43E-10
10262	436728.27	3763600.79	1.59E-09	5.43E-09	7.03E-09	2.48E-10	8.87E-10	1.13E-09	1.33E-10	4.12E-10	5.45E-10
10263	436719.42	3763597.14	1.6E-09	5.45E-09	7.05E-09	2.48E-10	8.90E-10	1.14E-09	1.34E-10	4.13E-10	5.47E-10
10264	436710.56	3763593.49	1.6E-09	5.47E-09	7.07E-09	2.49E-10	8.93E-10	1.14E-09	1.34E-10	4.14E-10	5.48E-10
10265	436701.7	3763589.84	1.61E-09	5.48E-09	7.09E-09	2.50E-10	8.96E-10	1.15E-09	1.35E-10	4.15E-10	5.50E-10
10266	436692.85	3763586.19	1.61E-09	5.50E-09	7.11E-09	2.51E-10	8.98E-10	1.15E-09	1.35E-10	4.17E-10	5.52E-10
10267	436683.99	3763582.54	1.62E-09	5.52E-09	7.14E-09	2.52E-10	9.02E-10	1.15E-09	1.35E-10	4.18E-10	5.54E-10
10268	436675.14	3763578.88	1.63E-09	5.54E-09	7.17E-09	2.53E-10	9.05E-10	1.16E-09	1.36E-10	4.20E-10	5.56E-10
10269	436666.28	3763575.23	1.63E-09	5.56E-09	7.19E-09	2.53E-10	9.08E-10	1.16E-09	1.36E-10	4.21E-10	5.58E-10
10270	436653.76	3763562.73	1.66E-09	5.65E-09	7.31E-09	2.57E-10	9.23E-10	1.18E-09	1.39E-10	4.28E-10	5.67E-10
10271	436650.09	3763553.88	1.68E-09	5.73E-09	7.40E-09	2.61E-10	9.35E-10	1.20E-09	1.41E-10	4.34E-10	5.74E-10
10272	436646.42	3763545.04	1.7E-09	5.80E-09	7.50E-09	2.64E-10	9.47E-10	1.21E-09	1.42E-10	4.39E-10	5.82E-10
10273	436642.74	3763536.19	1.72E-09	5.87E-09	7.59E-09	2.67E-10	9.59E-10	1.23E-09	1.44E-10	4.45E-10	5.89E-10
10274	436639.07	3763527.34	1.74E-09	5.94E-09	7.68E-09	2.71E-10	9.71E-10	1.24E-09	1.46E-10	4.50E-10	5.96E-10
10275	436635.4	3763518.49	1.77E-09	6.02E-09	7.78E-09	2.74E-10	9.83E-10	1.26E-09	1.48E-10	4.56E-10	6.04E-10
10276	436631.73	3763509.64	1.79E-09	6.10E-09	7.88E-09	2.78E-10	9.96E-10	1.27E-09	1.50E-10	4.62E-10	6.12E-10
10277	436628.06	3763500.8	1.81E-09	6.18E-09	7.99E-09	2.81E-10	1.01E-09	1.29E-09	1.52E-10	4.68E-10	6.20E-10
10278	436624.39	3763491.95	1.83E-09	6.26E-09	8.09E-09	2.85E-10	1.02E-09	1.31E-09	1.54E-10	4.74E-10	6.28E-10
10279	436620.72	3763483.1	1.86E-09	6.33E-09	8.19E-09	2.89E-10	1.03E-09	1.32E-09	1.55E-10	4.80E-10	6.35E-10
10280	436617.05	3763474.25	1.88E-09	6.41E-09	8.29E-09	2.92E-10	1.05E-09	1.34E-09	1.57E-10	4.86E-10	6.43E-10
10281	436613.38	3763465.4	1.9E-09	6.49E-09	8.39E-09	2.96E-10	1.06E-09	1.36E-09	1.59E-10	4.92E-10	6.51E-10
10282	436609.71	3763456.56	1.93E-09	6.57E-09	8.49E-09	2.99E-10	1.07E-09	1.37E-09	1.61E-10	4.98E-10	6.59E-10
10283	436606.04	3763447.71	1.95E-09	6.65E-09	8.59E-09	3.03E-10	1.09E-09	1.39E-09	1.63E-10	5.04E-10	6.67E-10
10284	436602.37	3763438.86	1.97E-09	6.72E-09	8.70E-09	3.06E-10	1.10E-09	1.40E-09	1.65E-10	5.09E-10	6.74E-10
10285	436598.7	3763430.01	2E-09	6.80E-09	8.80E-09	3.10E-10	1.11E-09	1.42E-09	1.67E-10	5.16E-10	6.83E-10
10286	436595.03	3763421.16	2.02E-09	6.88E-09	8.90E-09	3.14E-10	1.12E-09	1.44E-09	1.69E-10	5.21E-10	6.90E-10
10287	436591.36	3763412.32	2.04E-09	6.96E-09	9.00E-09	3.17E-10	1.14E-09	1.45E-09	1.71E-10	5.27E-10	6.98E-10
10288	436587.69	3763403.47	2.06E-09	7.03E-09	9.10E-09	3.20E-10	1.15E-09	1.47E-09	1.73E-10	5.33E-10	7.06E-10
10289	436584.02	3763394.62	2.08E-09	7.11E-09	9.19E-09	3.24E-10	1.16E-09	1.48E-09	1.74E-10	5.39E-10	7.13E-10
10290	436580.35	3763385.77	2.1E-09	7.18E-09	9.28E-09	3.27E-10	1.17E-09	1.50E-09	1.76E-10	5.44E-10	7.20E-10
10291	436576.68	3763376.92	2.13E-09	7.25E-09	9.37E-09	3.30E-10	1.18E-09	1.51E-09	1.78E-10	5.49E-10	7.27E-10
10292	436573.01	3763368.08	2.14E-09	7.31E-09	9.46E-09	3.33E-10	1.19E-09	1.53E-09	1.80E-10	5.54E-10	7.34E-10
10293	436569.34	3763359.23	2.16E-09	7.38E-09	9.54E-09	3.36E-10	1.21E-09	1.54E-09	1.81E-10	5.59E-10	7.40E-10
10294	436565.67	3763350.38	2.18E-09	7.44E-09	9.62E-09	3.39E-10	1.22E-09	1.55E-09	1.83E-10	5.64E-10	7.46E-10
10295	436562	3763341.53	2.2E-09	7.51E-09	9.71E-09	3.42E-10	1.23E-09	1.57E-09	1.84E-10	5.69E-10	7.53E-10
10296	436558.33	3763332.68	2.22E-09	7.58E-09	9.80E-09	3.45E-10	1.24E-09	1.58E-09	1.86E-10	5.74E-10	7.60E-10
10297	436554.66	3763323.84	2.24E-09	7.65E-09	9.90E-09	3.49E-10	1.25E-09	1.60E-09	1.88E-10	5.80E-10	7.68E-10
10298	436550.99	3763314.99	2.27E-09	7.72E-09	9.99E-09	3.52E-10	1.26E-09	1.61E-09	1.90E-10	5.85E-10	7.75E-10
10299	436547.32	3763306.14	2.29E-09	7.80E-09	1.01E-08	3.55E-10	1.27E-09	1.63E-09	1.91E-10	5.91E-10	7.82E-10
10300	436543.65	3763297.29	2.31E-09	7.87E-09	1.02E-08	3.59E-10	1.29E-09	1.64E-09	1.93E-10	5.96E-10	7.89E-10
10301	436539.98	3763288.44	2.33E-09	7.94E-09	1.03E-08	3.62E-10	1.30E-09	1.66E-09	1.95E-10	6.02E-10	7.97E-10
10302	436536.31	3763279.6	2.35E-09	8.02E-09	1.04E-08	3.65E-10	1.31E-09	1.68E-09	1.97E-10	6.08E-10	8.04E-10
10303	436532.64	3763270.75	2.37E-09	8.09E-09	1.05E-08	3.69E-10	1.32E-09	1.69E-09	1.99E-10	6.13E-10	8.12E-10
10304	436528.96	3763261.9	2.39E-09	8.16E-09	1.06E-08	3.72E-10	1.33E-09	1.71E-09	2.00E-10	6.19E-10	8.19E-10
10305	436525.29	3763253.05	2.41E-09	8.23E-09	1.06E-08	3.75E-10	1.34E-09	1.72E-09	2.02E-10	6.23E-10	8.25E-10

10306	436521.62	3763244.2	2.43E-09	8.28E-09	1.07E-08	3.77E-10	1.35E-09	1.73E-09	2.03E-10	6.28E-10	8.31E-10
10307	436517.95	3763235.36	2.44E-09	8.33E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.05E-10	6.32E-10	8.36E-10
10308	436514.28	3763226.51	2.46E-09	8.38E-09	1.08E-08	3.82E-10	1.37E-09	1.75E-09	2.06E-10	6.35E-10	8.41E-10
10309	436510.61	3763217.66	2.47E-09	8.43E-09	1.09E-08	3.84E-10	1.38E-09	1.76E-09	2.07E-10	6.39E-10	8.46E-10
10310	436506.94	3763208.81	2.49E-09	8.48E-09	1.10E-08	3.86E-10	1.38E-09	1.77E-09	2.08E-10	6.42E-10	8.50E-10
10311	436503.27	3763199.96	2.5E-09	8.52E-09	1.10E-08	3.88E-10	1.39E-09	1.78E-09	2.09E-10	6.46E-10	8.55E-10
10312	436499.6	3763191.12	2.51E-09	8.56E-09	1.11E-08	3.90E-10	1.40E-09	1.79E-09	2.10E-10	6.49E-10	8.59E-10
10313	436495.93	3763182.27	2.52E-09	8.60E-09	1.11E-08	3.92E-10	1.40E-09	1.80E-09	2.11E-10	6.52E-10	8.63E-10
10314	436492.26	3763173.42	2.53E-09	8.64E-09	1.12E-08	3.94E-10	1.41E-09	1.80E-09	2.12E-10	6.54E-10	8.66E-10
10315	436488.59	3763164.57	2.54E-09	8.67E-09	1.12E-08	3.95E-10	1.42E-09	1.81E-09	2.13E-10	6.57E-10	8.70E-10
10316	436484.92	3763155.72	2.55E-09	8.70E-09	1.13E-08	3.96E-10	1.42E-09	1.82E-09	2.14E-10	6.59E-10	8.73E-10
10317	436481.25	3763146.88	2.56E-09	8.73E-09	1.13E-08	3.98E-10	1.43E-09	1.82E-09	2.14E-10	6.61E-10	8.76E-10
10318	436477.58	3763138.03	2.57E-09	8.75E-09	1.13E-08	3.99E-10	1.43E-09	1.83E-09	2.15E-10	6.63E-10	8.78E-10
10319	436473.91	3763129.18	2.57E-09	8.78E-09	1.14E-08	4.00E-10	1.43E-09	1.83E-09	2.15E-10	6.65E-10	8.81E-10
10320	436470.24	3763120.33	2.58E-09	8.80E-09	1.14E-08	4.01E-10	1.44E-09	1.84E-09	2.16E-10	6.67E-10	8.82E-10
10321	436466.57	3763111.48	2.59E-09	8.82E-09	1.14E-08	4.02E-10	1.44E-09	1.84E-09	2.16E-10	6.68E-10	8.84E-10
10322	436462.9	3763102.64	2.59E-09	8.83E-09	1.14E-08	4.02E-10	1.44E-09	1.85E-09	2.17E-10	6.69E-10	8.86E-10
10323	436459.23	3763093.79	2.59E-09	8.84E-09	1.14E-08	4.03E-10	1.44E-09	1.85E-09	2.17E-10	6.70E-10	8.87E-10
10324	436455.56	3763084.94	2.6E-09	8.85E-09	1.14E-08	4.03E-10	1.45E-09	1.85E-09	2.17E-10	6.71E-10	8.88E-10
10325	436451.89	3763076.09	2.6E-09	8.86E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.17E-10	6.71E-10	8.89E-10
10326	436448.22	3763067.24	2.6E-09	8.87E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.18E-10	6.72E-10	8.89E-10
10327	436444.55	3763058.4	2.6E-09	8.87E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.18E-10	6.72E-10	8.90E-10
10328	436440.88	3763049.55	2.6E-09	8.87E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.18E-10	6.72E-10	8.90E-10
10329	436437.21	3763040.7	2.6E-09	8.87E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.18E-10	6.72E-10	8.90E-10
10330	436433.54	3763031.85	2.6E-09	8.87E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.18E-10	6.72E-10	8.90E-10
10331	436429.87	3763023	2.6E-09	8.86E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.18E-10	6.72E-10	8.89E-10
10332	436426.2	3763014.16	2.6E-09	8.86E-09	1.15E-08	4.04E-10	1.45E-09	1.85E-09	2.17E-10	6.71E-10	8.89E-10
10333	436422.53	3763005.31	2.6E-09	8.85E-09	1.14E-08	4.03E-10	1.45E-09	1.85E-09	2.17E-10	6.71E-10	8.88E-10
10334	436418.85	3762996.46	2.59E-09	8.84E-09	1.14E-08	4.03E-10	1.44E-09	1.85E-09	2.17E-10	6.70E-10	8.87E-10
10335	436415.18	3762987.61	2.59E-09	8.83E-09	1.14E-08	4.02E-10	1.44E-09	1.84E-09	2.17E-10	6.69E-10	8.86E-10
10336	436411.51	3762978.76	2.59E-09	8.82E-09	1.14E-08	4.02E-10	1.44E-09	1.84E-09	2.16E-10	6.68E-10	8.85E-10
10337	436407.84	3762969.92	2.58E-09	8.81E-09	1.14E-08	4.01E-10	1.44E-09	1.84E-09	2.16E-10	6.67E-10	8.84E-10
10338	436404.17	3762961.07	2.58E-09	8.79E-09	1.14E-08	4.01E-10	1.44E-09	1.84E-09	2.16E-10	6.66E-10	8.82E-10
10339	436400.5	3762952.22	2.57E-09	8.78E-09	1.14E-08	4.00E-10	1.43E-09	1.83E-09	2.15E-10	6.65E-10	8.81E-10
10340	436396.83	3762943.37	2.57E-09	8.76E-09	1.13E-08	3.99E-10	1.43E-09	1.83E-09	2.15E-10	6.64E-10	8.79E-10
10341	436393.16	3762934.52	2.56E-09	8.75E-09	1.13E-08	3.99E-10	1.43E-09	1.83E-09	2.15E-10	6.63E-10	8.77E-10
10342	436389.49	3762925.68	2.56E-09	8.73E-09	1.13E-08	3.98E-10	1.43E-09	1.82E-09	2.14E-10	6.61E-10	8.76E-10
10343	436385.82	3762916.83	2.55E-09	8.71E-09	1.13E-08	3.97E-10	1.42E-09	1.82E-09	2.14E-10	6.60E-10	8.74E-10
10344	436382.15	3762907.98	2.55E-09	8.69E-09	1.12E-08	3.96E-10	1.42E-09	1.82E-09	2.13E-10	6.58E-10	8.72E-10
10345	437365.87	3763863.74	1.28E-09	4.37E-09	5.66E-09	1.99E-10	7.14E-10	9.14E-10	1.07E-10	3.31E-10	4.39E-10
10346	437375.52	3763863.72	1.29E-09	4.39E-09	5.68E-09	2.00E-10	7.17E-10	9.17E-10	1.08E-10	3.33E-10	4.40E-10
10347	437385.17	3763863.7	1.29E-09	4.41E-09	5.70E-09	2.01E-10	7.20E-10	9.21E-10	1.08E-10	3.34E-10	4.42E-10
10348	437394.82	3763863.68	1.3E-09	4.42E-09	5.72E-09	2.02E-10	7.23E-10	9.24E-10	1.09E-10	3.35E-10	4.44E-10
10349	437404.47	3763863.66	1.3E-09	4.44E-09	5.74E-09	2.02E-10	7.25E-10	9.28E-10	1.09E-10	3.36E-10	4.45E-10
10350	437414.13	3763863.64	1.31E-09	4.45E-09	5.76E-09	2.03E-10	7.27E-10	9.30E-10	1.09E-10	3.37E-10	4.46E-10
10351	437423.78	3763863.62	1.31E-09	4.46E-09	5.77E-09	2.03E-10	7.29E-10	9.32E-10	1.10E-10	3.38E-10	4.48E-10
10352	437433.43	3763863.6	1.31E-09	4.47E-09	5.78E-09	2.04E-10	7.30E-10	9.34E-10	1.10E-10	3.39E-10	4.49E-10
10353	437443.08	3763863.58	1.31E-09	4.48E-09	5.80E-09	2.04E-10	7.32E-10	9.36E-10	1.10E-10	3.40E-10	4.50E-10
10354	437452.73	3763863.56	1.32E-09	4.49E-09	5.81E-09	2.05E-10	7.34E-10	9.39E-10	1.10E-10	3.40E-10	4.51E-10
10355	437462.38	3763863.54	1.32E-09	4.50E-09	5.82E-09	2.05E-10	7.36E-10	9.41E-10	1.11E-10	3.41E-10	4.52E-10
10356	437472.03	3763863.52	1.32E-09	4.52E-09	5.84E-09	2.06E-10	7.38E-10	9.44E-10	1.11E-10	3.42E-10	4.53E-10
10357	437481.68	3763863.5	1.33E-09	4.53E-09	5.86E-09	2.06E-10	7.40E-10	9.46E-10	1.11E-10	3.43E-10	4.54E-10
10358	437491.33	3763863.48	1.33E-09	4.54E-09	5.88E-09	2.07E-10	7.42E-10	9.49E-10	1.12E-10	3.44E-10	4.56E-10
10359	437500.98	3763863.46	1.34E-09	4.56E-09	5.89E-09	2.08E-10	7.44E-10	9.52E-10	1.12E-10	3.45E-10	4.57E-10
10360	437510.63	3763863.44	1.34E-09	4.57E-09	5.91E-09	2.08E-10	7.47E-10	9.55E-10	1.12E-10	3.46E-10	4.59E-10
10361	437520.28	3763863.42	1.34E-09	4.58E-09	5.93E-09	2.09E-10	7.49E-10	9.58E-10	1.13E-10	3.47E-10	4.60E-10
10362	437529.93	3763863.4	1.35E-09	4.60E-09	5.95E-09	2.09E-10	7.51E-10	9.60E-10	1.13E-10	3.48E-10	4.61E-10
10363	437539.58	3763863.38	1.35E-09	4.61E-09	5.97E-09	2.10E-10	7.54E-10	9.64E-10	1.13E-10	3.50E-10	4.63E-10
10364	437549.23	3763863.36	1.36E-09	4.63E-09	5.99E-09	2.11E-10	7.56E-10	9.67E-10	1.14E-10	3.51E-10	4.64E-10
10365	437577.59	3763372.37	4.82E-09	1.64E-08	2.12E-08	7.49E-10	2.68E-09	3.43E-09	4.03E-10	1.24E-09	1.65E-09
10366	437579.64	3763402.3	4.25E-09	1.45E-08	1.87E-08	6.60E-10	2.37E-09	3.03E-09	3.56E-10	1.10E-09	1.45E-09

10367	437581.45	3763432.24	3.8E-09	1.30E-08	1.68E-08	5.91E-10	2.12E-09	2.71E-09	3.18E-10	9.83E-10	1.30E-09
10368	437583.5	3763462.17	3.43E-09	1.17E-08	1.51E-08	5.33E-10	1.91E-09	2.45E-09	2.87E-10	8.87E-10	1.17E-09
10369	437586.14	3763502.09	3.04E-09	1.04E-08	1.34E-08	4.72E-10	1.69E-09	2.17E-09	2.54E-10	7.86E-10	1.04E-09
10370	437591.23	3763581.92	2.47E-09	8.41E-09	1.09E-08	3.83E-10	1.37E-09	1.76E-09	2.07E-10	6.38E-10	8.44E-10
10371	437582.11	3763582.23	2.45E-09	8.35E-09	1.08E-08	3.80E-10	1.36E-09	1.74E-09	2.05E-10	6.32E-10	8.37E-10
10372	437593.88	3763621.83	2.24E-09	7.63E-09	9.87E-09	3.48E-10	1.25E-09	1.59E-09	1.87E-10	5.78E-10	7.66E-10
10373	437584.85	3763622.14	2.23E-09	7.59E-09	9.82E-09	3.46E-10	1.24E-09	1.59E-09	1.86E-10	5.75E-10	7.61E-10
10374	437596.52	3763661.75	2.02E-09	6.89E-09	8.92E-09	3.14E-10	1.13E-09	1.44E-09	1.69E-10	5.22E-10	6.92E-10
10375	437584.6	3763662.15	2.01E-09	6.85E-09	8.85E-09	3.12E-10	1.12E-09	1.43E-09	1.68E-10	5.19E-10	6.87E-10
10376	437599.17	3763701.66	1.85E-09	6.31E-09	8.16E-09	2.88E-10	1.03E-09	1.32E-09	1.55E-10	4.78E-10	6.33E-10
10377	437587.34	3763702.06	1.84E-09	6.27E-09	8.11E-09	2.86E-10	1.02E-09	1.31E-09	1.54E-10	4.75E-10	6.29E-10
10378	437575.51	3763702.46	1.83E-09	6.24E-09	8.07E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.73E-10	6.26E-10
10379	437563.69	3763702.86	1.83E-09	6.22E-09	8.05E-09	2.84E-10	1.02E-09	1.30E-09	1.53E-10	4.72E-10	6.24E-10
10380	437601.81	3763741.57	1.72E-09	5.86E-09	7.58E-09	2.67E-10	9.58E-10	1.22E-09	1.44E-10	4.44E-10	5.88E-10
10381	437590.07	3763741.97	1.71E-09	5.83E-09	7.54E-09	2.66E-10	9.52E-10	1.22E-09	1.43E-10	4.42E-10	5.85E-10
10382	437578.33	3763742.37	1.7E-09	5.79E-09	7.49E-09	2.64E-10	9.47E-10	1.21E-09	1.42E-10	4.39E-10	5.81E-10
10383	437566.59	3763742.76	1.69E-09	5.77E-09	7.47E-09	2.63E-10	9.43E-10	1.21E-09	1.42E-10	4.37E-10	5.79E-10
10384	437604.44	3763781.49	1.6E-09	5.45E-09	7.05E-09	2.48E-10	8.91E-10	1.14E-09	1.34E-10	4.13E-10	5.47E-10
10385	437592.79	3763781.88	1.59E-09	5.42E-09	7.00E-09	2.47E-10	8.85E-10	1.13E-09	1.33E-10	4.10E-10	5.43E-10
10386	437581.13	3763782.27	1.58E-09	5.38E-09	6.96E-09	2.45E-10	8.79E-10	1.12E-09	1.32E-10	4.08E-10	5.40E-10
10387	437569.47	3763782.67	1.57E-09	5.36E-09	6.93E-09	2.44E-10	8.75E-10	1.12E-09	1.32E-10	4.06E-10	5.37E-10
10388	437606.93	3763821.41	1.5E-09	5.10E-09	6.60E-09	2.32E-10	8.33E-10	1.07E-09	1.25E-10	3.87E-10	5.12E-10
10389	437597.81	3763821.71	1.49E-09	5.07E-09	6.56E-09	2.31E-10	8.29E-10	1.06E-09	1.24E-10	3.84E-10	5.09E-10
10390	437588.69	3763822.02	1.48E-09	5.04E-09	6.52E-09	2.30E-10	8.23E-10	1.05E-09	1.24E-10	3.82E-10	5.06E-10
10391	437579.56	3763822.33	1.47E-09	5.01E-09	6.48E-09	2.28E-10	8.19E-10	1.05E-09	1.23E-10	3.80E-10	5.03E-10
10392	437570.44	3763822.64	1.46E-09	4.99E-09	6.45E-09	2.27E-10	8.15E-10	1.04E-09	1.22E-10	3.78E-10	5.01E-10
10393	437561.31	3763822.95	1.46E-09	4.97E-09	6.42E-09	2.26E-10	8.12E-10	1.04E-09	1.22E-10	3.76E-10	4.98E-10
10394	437609.58	3763861.32	1.4E-09	4.78E-09	6.18E-09	2.18E-10	7.81E-10	9.99E-10	1.17E-10	3.62E-10	4.80E-10
10395	437600.52	3763861.62	1.39E-09	4.75E-09	6.15E-09	2.17E-10	7.77E-10	9.93E-10	1.17E-10	3.60E-10	4.77E-10
10396	437591.47	3763861.93	1.39E-09	4.73E-09	6.11E-09	2.15E-10	7.72E-10	9.87E-10	1.16E-10	3.58E-10	4.74E-10
10397	437582.42	3763862.24	1.38E-09	4.70E-09	6.08E-09	2.14E-10	7.68E-10	9.82E-10	1.15E-10	3.56E-10	4.72E-10
10398	437573.37	3763862.54	1.37E-09	4.68E-09	6.05E-09	2.13E-10	7.64E-10	9.77E-10	1.15E-10	3.54E-10	4.69E-10
10399	437564.32	3763862.85	1.37E-09	4.66E-09	6.02E-09	2.12E-10	7.61E-10	9.73E-10	1.14E-10	3.53E-10	4.67E-10
10400	438571.82	3763103.62	1.31E-08	4.46E-08	5.77E-08	2.03E-09	7.28E-09	9.31E-09	1.09E-09	3.38E-09	4.47E-09
10401	439040.9	3762827.09	5.45E-09	1.86E-08	2.40E-08	8.47E-10	3.04E-09	3.89E-09	4.56E-10	1.41E-09	1.87E-09
10402	439034.59	3762788.53	5.31E-09	1.81E-08	2.34E-08	8.24E-10	2.96E-09	3.78E-09	4.44E-10	1.37E-09	1.82E-09
10403	439031.09	3762754.17	5.15E-09	1.76E-08	2.27E-08	8.00E-10	2.87E-09	3.67E-09	4.31E-10	1.33E-09	1.76E-09
10404	439067.54	3762823.58	5.26E-09	1.79E-08	2.32E-08	8.18E-10	2.93E-09	3.75E-09	4.40E-10	1.36E-09	1.80E-09
10405	439087.88	3762821.48	5.13E-09	1.75E-08	2.26E-08	7.96E-10	2.86E-09	3.65E-09	4.29E-10	1.32E-09	1.75E-09
10406	439128.54	3762787.12	4.74E-09	1.62E-08	2.09E-08	7.37E-10	2.64E-09	3.38E-09	3.97E-10	1.23E-09	1.62E-09
10407	439099.09	3762753.47	4.75E-09	1.62E-08	2.10E-08	7.39E-10	2.65E-09	3.39E-09	3.98E-10	1.23E-09	1.63E-09
10408	439061.23	3762756.98	4.98E-09	1.70E-08	2.20E-08	7.74E-10	2.78E-09	3.55E-09	4.17E-10	1.29E-09	1.70E-09
10409	438582.11	3763253.07	1.19E-08	4.04E-08	5.23E-08	1.84E-09	6.61E-09	8.45E-09	9.92E-10	3.06E-09	4.06E-09
10410	438605.24	3763253.77	1.15E-08	3.91E-08	5.06E-08	1.78E-09	6.39E-09	8.17E-09	9.60E-10	2.96E-09	3.92E-09
10411	438633.97	3763255.87	1.1E-08	3.75E-08	4.86E-08	1.71E-09	6.13E-09	7.84E-09	9.22E-10	2.85E-09	3.77E-09
10412	438655	3763255.87	1.07E-08	3.65E-08	4.72E-08	1.66E-09	5.96E-09	7.63E-09	8.96E-10	2.77E-09	3.66E-09
10413	438669.02	3763249.56	1.05E-08	3.58E-08	4.63E-08	1.63E-09	5.85E-09	7.48E-09	8.79E-10	2.71E-09	3.59E-09
10414	438687.94	3763260.78	1.02E-08	3.47E-08	4.48E-08	1.58E-09	5.66E-09	7.24E-09	8.51E-10	2.63E-09	3.48E-09
10415	438687.94	3763248.86	1.02E-08	3.49E-08	4.52E-08	1.59E-09	5.70E-09	7.30E-09	8.57E-10	2.65E-09	3.50E-09
10416	438688.64	3763215.92	1.04E-08	3.56E-08	4.60E-08	1.62E-09	5.81E-09	7.44E-09	8.74E-10	2.70E-09	3.57E-09
10417	438716.68	3763216.62	1E-08	3.41E-08	4.41E-08	1.55E-09	5.57E-09	7.13E-09	8.37E-10	2.59E-09	3.42E-09
10418	438721.59	3763197	1E-08	3.41E-08	4.41E-08	1.55E-09	5.57E-09	7.13E-09	8.37E-10	2.58E-09	3.42E-09
10419	438722.29	3763173.16	1.01E-08	3.43E-08	4.43E-08	1.56E-09	5.60E-09	7.16E-09	8.42E-10	2.60E-09	3.44E-09
10420	438725.09	3763150.74	1E-08	3.43E-08	4.43E-08	1.56E-09	5.60E-09	7.16E-09	8.41E-10	2.60E-09	3.44E-09
10421	438711.07	3763121.3	1.03E-08	3.51E-08	4.54E-08	1.60E-09	5.73E-09	7.33E-09	8.61E-10	2.66E-09	3.52E-09
10422	438683.04	3763114.99	1.08E-08	3.67E-08	4.75E-08	1.67E-09	6.00E-09	7.67E-09	9.01E-10	2.78E-09	3.68E-09
10423	438697.76	3763097.47	1.05E-08	3.58E-08	4.63E-08	1.63E-09	5.85E-09	7.48E-09	8.79E-10	2.71E-09	3.59E-09
10424	438640.28	3763091.86	1.16E-08	3.95E-08	5.10E-08	1.80E-09	6.45E-09	8.24E-09	9.69E-10	2.99E-09	3.96E-09

			T2		T2L3		T4f	
			10400	438571.82				
			9.17E-05	3.13E-04	1.42E-05	5.11E-05	7.67E-06	2.37E-05
	UTM X	UTM Y	Yr 1	Yr 2	Yr 1	Yr 2	Yr 1	Yr 2
1	437577	3762904	3.29E-03	1.12E-02	5.11E-04	1.83E-03	2.76E-04	8.51E-04
2	437583.4	3762912	2.78E-03	9.48E-03	4.32E-04	1.55E-03	2.33E-04	7.19E-04
3	437619.9	3762959	1.25E-03	4.26E-03	1.94E-04	6.95E-04	1.04E-04	3.23E-04
4	437608.3	3762964	1.14E-03	3.88E-03	1.77E-04	6.34E-04	9.53E-05	2.94E-04
5	437596.7	3762968	1.03E-03	3.50E-03	1.59E-04	5.72E-04	8.59E-05	2.65E-04
6	437585.1	3762973	9.16E-04	3.12E-03	1.42E-04	5.10E-04	7.67E-05	2.37E-04
7	437632	3762975	1.00E-03	3.43E-03	1.56E-04	5.60E-04	8.41E-05	2.60E-04
8	437619.9	3762980	9.13E-04	3.11E-03	1.42E-04	5.09E-04	7.64E-05	2.36E-04
9	437607.8	3762984	8.21E-04	2.80E-03	1.28E-04	4.57E-04	6.87E-05	2.12E-04
10	437595.7	3762989	7.32E-04	2.50E-03	1.14E-04	4.08E-04	6.13E-05	1.89E-04
11	437583.6	3762994	6.49E-04	2.21E-03	1.01E-04	3.62E-04	5.43E-05	1.68E-04
12	437644.3	3762991	8.22E-04	2.80E-03	1.28E-04	4.58E-04	6.88E-05	2.12E-04
13	437632.4	3762996	7.53E-04	2.57E-03	1.17E-04	4.19E-04	6.30E-05	1.95E-04
14	437620.4	3763000	6.82E-04	2.33E-03	1.06E-04	3.80E-04	5.71E-05	1.76E-04
15	437608.5	3763005	6.13E-04	2.09E-03	9.53E-05	3.42E-04	5.13E-05	1.58E-04
16	437596.5	3763009	5.48E-04	1.87E-03	8.52E-05	3.05E-04	4.59E-05	1.42E-04
17	437584.6	3763014	4.88E-04	1.66E-03	7.58E-05	2.72E-04	4.09E-05	1.26E-04
18	437656.6	3763007	6.88E-04	2.35E-03	1.07E-04	3.83E-04	5.76E-05	1.78E-04
19	437644.8	3763011	6.33E-04	2.16E-03	9.84E-05	3.53E-04	5.30E-05	1.64E-04
20	437633	3763016	5.77E-04	1.97E-03	8.96E-05	3.21E-04	4.83E-05	1.49E-04
21	437621.1	3763020	5.21E-04	1.78E-03	8.10E-05	2.90E-04	4.36E-05	1.35E-04
22	437609.3	3763025	4.69E-04	1.60E-03	7.28E-05	2.61E-04	3.92E-05	1.21E-04
23	437597.5	3763029	4.21E-04	1.44E-03	6.54E-05	2.35E-04	3.52E-05	1.09E-04
24	437585.7	3763034	3.78E-04	1.29E-03	5.88E-05	2.11E-04	3.17E-05	9.77E-05
25	437620.1	3763041	3.97E-04	1.35E-03	6.16E-05	2.21E-04	3.32E-05	1.03E-04
26	437607.9	3763046	3.58E-04	1.22E-03	5.56E-05	1.99E-04	3.00E-05	9.25E-05
27	437595.8	3763050	3.23E-04	1.10E-03	5.02E-05	1.80E-04	2.71E-05	8.35E-05
28	437583.6	3763055	2.92E-04	9.95E-04	4.53E-05	1.63E-04	2.44E-05	7.54E-05
29	437644.9	3763052	3.77E-04	1.29E-03	5.86E-05	2.10E-04	3.16E-05	9.74E-05
30	437632.9	3763057	3.43E-04	1.17E-03	5.33E-05	1.91E-04	2.87E-05	8.86E-05
31	437620.8	3763061	3.12E-04	1.06E-03	4.85E-05	1.74E-04	2.61E-05	8.06E-05
32	437608.8	3763066	2.84E-04	9.68E-04	4.41E-05	1.58E-04	2.38E-05	7.33E-05
33	437596.7	3763070	2.58E-04	8.79E-04	4.01E-05	1.44E-04	2.16E-05	6.66E-05
34	437584.7	3763075	2.35E-04	8.00E-04	3.64E-05	1.31E-04	1.96E-05	6.06E-05
35	437693.4	3763054	4.15E-04	1.42E-03	6.45E-05	2.31E-04	3.48E-05	1.07E-04
36	437681.4	3763059	3.85E-04	1.31E-03	5.99E-05	2.15E-04	3.23E-05	9.96E-05
37	437669.5	3763063	3.56E-04	1.21E-03	5.53E-05	1.98E-04	2.98E-05	9.20E-05
38	437657.5	3763068	3.26E-04	1.11E-03	5.07E-05	1.82E-04	2.73E-05	8.43E-05
39	437645.6	3763072	2.98E-04	1.02E-03	4.63E-05	1.66E-04	2.49E-05	7.70E-05
40	437633.6	3763077	2.72E-04	9.28E-04	4.23E-05	1.52E-04	2.28E-05	7.03E-05
41	437621.7	3763081	2.49E-04	8.50E-04	3.88E-05	1.39E-04	2.09E-05	6.44E-05
42	437609.7	3763086	2.28E-04	7.79E-04	3.55E-05	1.27E-04	1.91E-05	5.90E-05
43	437597.8	3763091	2.08E-04	7.11E-04	3.24E-05	1.16E-04	1.74E-05	5.38E-05
44	437585.8	3763095	1.91E-04	6.50E-04	2.96E-05	1.06E-04	1.59E-05	4.92E-05
45	437705.6	3763070	3.58E-04	1.22E-03	5.56E-05	2.00E-04	3.00E-05	9.25E-05
46	437693.4	3763075	3.32E-04	1.13E-03	5.15E-05	1.85E-04	2.78E-05	8.57E-05
47	437681.2	3763079	3.07E-04	1.05E-03	4.76E-05	1.71E-04	2.57E-05	7.92E-05
48	437668.9	3763084	2.83E-04	9.64E-04	4.39E-05	1.58E-04	2.37E-05	7.31E-05

49	437656.7	3763089	2.59E-04	8.84E-04	4.03E-05	1.44E-04	2.17E-05	6.70E-05
50	437644.5	3763093	2.37E-04	8.08E-04	3.68E-05	1.32E-04	1.98E-05	6.13E-05
51	437632.3	3763098	2.17E-04	7.40E-04	3.37E-05	1.21E-04	1.82E-05	5.61E-05
52	437620.1	3763103	1.99E-04	6.78E-04	3.09E-05	1.11E-04	1.66E-05	5.14E-05
53	437607.9	3763107	1.82E-04	6.21E-04	2.83E-05	1.01E-04	1.52E-05	4.70E-05
54	437595.7	3763112	1.67E-04	5.69E-04	2.59E-05	9.29E-05	1.40E-05	4.31E-05
55	437705.8	3763090	2.91E-04	9.94E-04	4.53E-05	1.62E-04	2.44E-05	7.53E-05
56	437693.6	3763095	2.70E-04	9.22E-04	4.20E-05	1.51E-04	2.26E-05	6.99E-05
57	437681.5	3763100	2.50E-04	8.53E-04	3.89E-05	1.39E-04	2.09E-05	6.46E-05
58	437669.4	3763104	2.30E-04	7.86E-04	3.58E-05	1.28E-04	1.93E-05	5.96E-05
59	437657.3	3763109	2.12E-04	7.22E-04	3.29E-05	1.18E-04	1.77E-05	5.47E-05
60	437645.2	3763113	1.94E-04	6.62E-04	3.02E-05	1.08E-04	1.63E-05	5.02E-05
61	437633.1	3763118	1.78E-04	6.07E-04	2.77E-05	9.92E-05	1.49E-05	4.60E-05
62	437706.1	3763111	2.41E-04	8.21E-04	3.74E-05	1.34E-04	2.02E-05	6.22E-05
63	437694.1	3763115	2.23E-04	7.61E-04	3.47E-05	1.24E-04	1.87E-05	5.77E-05
64	437682.1	3763120	2.06E-04	7.03E-04	3.20E-05	1.15E-04	1.73E-05	5.33E-05
65	437670	3763124	1.90E-04	6.49E-04	2.96E-05	1.06E-04	1.59E-05	4.91E-05
66	437621.9	3763143	1.36E-04	4.63E-04	2.11E-05	7.57E-05	1.14E-05	3.51E-05
67	437609.9	3763147	1.26E-04	4.28E-04	1.95E-05	6.99E-05	1.05E-05	3.24E-05
68	437597.9	3763152	1.17E-04	4.00E-04	1.82E-05	6.54E-05	9.82E-06	3.03E-05
69	437585.9	3763156	1.10E-04	3.75E-04	1.71E-05	6.13E-05	9.21E-06	2.84E-05
70	437748.5	3763125	2.31E-04	7.88E-04	3.59E-05	1.29E-04	1.94E-05	5.97E-05
71	437628	3763171	1.10E-04	3.77E-04	1.72E-05	6.15E-05	9.25E-06	2.85E-05
72	437616	3763176	1.03E-04	3.51E-04	1.60E-05	5.73E-05	8.61E-06	2.66E-05
73	437603.9	3763180	9.66E-05	3.29E-04	1.50E-05	5.38E-05	8.08E-06	2.50E-05
74	437591.9	3763185	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
75	437579.8	3763189	8.60E-05	2.93E-04	1.34E-05	4.79E-05	7.20E-06	2.22E-05
76	437766.9	3763149	1.96E-04	6.69E-04	3.05E-05	1.09E-04	1.64E-05	5.07E-05
77	437754.9	3763154	1.84E-04	6.26E-04	2.85E-05	1.02E-04	1.54E-05	4.74E-05
78	437742.8	3763158	1.72E-04	5.86E-04	2.67E-05	9.58E-05	1.44E-05	4.44E-05
79	437730.7	3763163	1.61E-04	5.48E-04	2.50E-05	8.96E-05	1.35E-05	4.16E-05
80	437718.6	3763167	1.50E-04	5.12E-04	2.33E-05	8.37E-05	1.26E-05	3.88E-05
81	437706.6	3763172	1.40E-04	4.78E-04	2.18E-05	7.81E-05	1.17E-05	3.62E-05
82	437694.5	3763177	1.30E-04	4.44E-04	2.02E-05	7.26E-05	1.09E-05	3.37E-05
83	437682.4	3763181	1.21E-04	4.12E-04	1.88E-05	6.73E-05	1.01E-05	3.12E-05
84	437670.3	3763186	1.12E-04	3.83E-04	1.74E-05	6.25E-05	9.39E-06	2.90E-05
85	437658.3	3763190	1.04E-04	3.56E-04	1.62E-05	5.82E-05	8.74E-06	2.70E-05
86	437622.1	3763204	8.59E-05	2.93E-04	1.33E-05	4.79E-05	7.19E-06	2.22E-05
87	437610	3763209	8.12E-05	2.77E-04	1.26E-05	4.52E-05	6.80E-06	2.10E-05
88	437597.9	3763213	7.67E-05	2.62E-04	1.19E-05	4.27E-05	6.42E-06	1.98E-05
89	437585.8	3763218	7.27E-05	2.48E-04	1.13E-05	4.05E-05	6.08E-06	1.88E-05
90	437785.3	3763173	1.69E-04	5.76E-04	2.62E-05	9.40E-05	1.41E-05	4.36E-05
91	437773.2	3763177	1.58E-04	5.40E-04	2.46E-05	8.82E-05	1.33E-05	4.09E-05
92	437761.1	3763182	1.48E-04	5.05E-04	2.30E-05	8.25E-05	1.24E-05	3.82E-05
93	437749	3763187	1.38E-04	4.72E-04	2.15E-05	7.71E-05	1.16E-05	3.58E-05
94	437736.9	3763191	1.29E-04	4.41E-04	2.01E-05	7.21E-05	1.08E-05	3.34E-05
95	437724.9	3763196	1.21E-04	4.12E-04	1.88E-05	6.73E-05	1.01E-05	3.12E-05
96	437712.8	3763200	1.13E-04	3.85E-04	1.76E-05	6.30E-05	9.46E-06	2.92E-05
97	437700.7	3763205	1.06E-04	3.61E-04	1.64E-05	5.89E-05	8.86E-06	2.73E-05
98	437688.6	3763209	9.89E-05	3.37E-04	1.54E-05	5.51E-05	8.28E-06	2.56E-05
99	437676.5	3763214	9.27E-05	3.16E-04	1.44E-05	5.16E-05	7.76E-06	2.40E-05
100	437664.4	3763219	8.70E-05	2.97E-04	1.35E-05	4.85E-05	7.28E-06	2.25E-05

101	437628.1	3763232	7.28E-05	2.48E-04	1.13E-05	4.06E-05	6.10E-06	1.88E-05
102	437616	3763237	6.90E-05	2.35E-04	1.07E-05	3.84E-05	5.77E-06	1.78E-05
103	437603.9	3763242	6.55E-05	2.23E-04	1.02E-05	3.65E-05	5.48E-06	1.69E-05
104	437591.9	3763246	6.23E-05	2.12E-04	9.68E-06	3.47E-05	5.21E-06	1.61E-05
105	437579.8	3763251	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.53E-05
106	437791.6	3763201	1.39E-04	4.74E-04	2.16E-05	7.74E-05	1.16E-05	3.59E-05
107	437779.5	3763206	1.30E-04	4.43E-04	2.02E-05	7.24E-05	1.09E-05	3.36E-05
108	437767.4	3763210	1.21E-04	4.14E-04	1.89E-05	6.76E-05	1.02E-05	3.14E-05
109	437755.3	3763215	1.13E-04	3.87E-04	1.76E-05	6.32E-05	9.49E-06	2.93E-05
110	437743.2	3763219	1.04E-04	3.56E-04	1.62E-05	5.81E-05	8.73E-06	2.69E-05
111	437670.5	3763247	7.35E-05	2.51E-04	1.14E-05	4.09E-05	6.15E-06	1.90E-05
112	437658.4	3763252	6.94E-05	2.37E-04	1.08E-05	3.87E-05	5.81E-06	1.79E-05
113	437646.3	3763256	6.57E-05	2.24E-04	1.02E-05	3.66E-05	5.50E-06	1.70E-05
114	437634.2	3763261	6.23E-05	2.13E-04	9.69E-06	3.47E-05	5.22E-06	1.61E-05
115	437622.1	3763265	5.92E-05	2.02E-04	9.20E-06	3.30E-05	4.96E-06	1.53E-05
116	437610	3763270	5.64E-05	1.92E-04	8.76E-06	3.14E-05	4.72E-06	1.46E-05
117	437597.9	3763275	5.38E-05	1.83E-04	8.36E-06	3.00E-05	4.50E-06	1.39E-05
118	437585.8	3763279	5.14E-05	1.75E-04	7.99E-06	2.86E-05	4.30E-06	1.33E-05
119	437749.4	3763248	8.66E-05	2.95E-04	1.34E-05	4.82E-05	7.24E-06	2.24E-05
120	437737.2	3763252	8.11E-05	2.77E-04	1.26E-05	4.52E-05	6.79E-06	2.10E-05
121	437725.1	3763257	7.64E-05	2.60E-04	1.19E-05	4.25E-05	6.39E-06	1.97E-05
122	437713	3763262	7.23E-05	2.47E-04	1.12E-05	4.03E-05	6.06E-06	1.87E-05
123	437700.9	3763266	6.98E-05	2.38E-04	1.08E-05	3.89E-05	5.84E-06	1.80E-05
124	437688.8	3763271	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
125	437676.6	3763275	6.28E-05	2.14E-04	9.76E-06	3.50E-05	5.26E-06	1.62E-05
126	437664.5	3763280	5.96E-05	2.03E-04	9.26E-06	3.32E-05	4.99E-06	1.54E-05
127	437652.4	3763285	5.65E-05	1.93E-04	8.78E-06	3.15E-05	4.73E-06	1.46E-05
128	437640.3	3763289	5.36E-05	1.83E-04	8.33E-06	2.99E-05	4.49E-06	1.39E-05
129	437628.1	3763294	5.12E-05	1.74E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
130	437616	3763298	4.89E-05	1.67E-04	7.60E-06	2.72E-05	4.09E-06	1.26E-05
131	437603.9	3763303	4.65E-05	1.59E-04	7.22E-06	2.59E-05	3.89E-06	1.20E-05
132	437591.8	3763308	4.50E-05	1.53E-04	6.99E-06	2.51E-05	3.77E-06	1.16E-05
133	437840.5	3763244	1.14E-04	3.89E-04	1.77E-05	6.35E-05	9.54E-06	2.94E-05
134	437828.3	3763248	1.08E-04	3.67E-04	1.67E-05	6.00E-05	9.02E-06	2.78E-05
135	437816.2	3763253	1.02E-04	3.47E-04	1.58E-05	5.66E-05	8.51E-06	2.63E-05
136	437804.1	3763258	9.55E-05	3.26E-04	1.48E-05	5.32E-05	8.00E-06	2.47E-05
137	437791.9	3763262	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
138	437779.8	3763267	8.29E-05	2.83E-04	1.29E-05	4.62E-05	6.93E-06	2.14E-05
139	437767.7	3763272	7.76E-05	2.65E-04	1.21E-05	4.32E-05	6.50E-06	2.01E-05
140	437755.5	3763276	7.30E-05	2.49E-04	1.13E-05	4.07E-05	6.11E-06	1.89E-05
141	437743.4	3763281	6.91E-05	2.35E-04	1.07E-05	3.85E-05	5.78E-06	1.78E-05
142	437731.3	3763285	6.67E-05	2.27E-04	1.04E-05	3.71E-05	5.58E-06	1.72E-05
143	437719.1	3763290	6.33E-05	2.16E-04	9.84E-06	3.53E-05	5.30E-06	1.64E-05
144	437707	3763295	6.03E-05	2.06E-04	9.36E-06	3.36E-05	5.04E-06	1.56E-05
145	437694.9	3763299	5.73E-05	1.96E-04	8.91E-06	3.19E-05	4.80E-06	1.48E-05
146	437682.7	3763304	5.45E-05	1.86E-04	8.47E-06	3.04E-05	4.56E-06	1.41E-05
147	437670.6	3763308	5.18E-05	1.77E-04	8.05E-06	2.89E-05	4.34E-06	1.34E-05
148	437658.5	3763313	4.93E-05	1.68E-04	7.66E-06	2.75E-05	4.13E-06	1.27E-05
149	437646.3	3763318	4.70E-05	1.60E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
150	437585.7	3763341	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
151	437858.9	3763268	1.01E-04	3.43E-04	1.56E-05	5.61E-05	8.43E-06	2.60E-05
152	437846.7	3763272	9.55E-05	3.26E-04	1.48E-05	5.32E-05	7.99E-06	2.47E-05

153	437834.6	3763277	9.04E-05	3.08E-04	1.40E-05	5.03E-05	7.56E-06	2.33E-05
154	437822.4	3763281	8.54E-05	2.91E-04	1.33E-05	4.76E-05	7.15E-06	2.21E-05
155	437810.3	3763286	8.05E-05	2.75E-04	1.25E-05	4.49E-05	6.74E-06	2.08E-05
156	437798.1	3763291	7.60E-05	2.59E-04	1.18E-05	4.23E-05	6.36E-06	1.96E-05
157	437786	3763295	7.04E-05	2.40E-04	1.09E-05	3.92E-05	5.89E-06	1.82E-05
158	437773.9	3763300	6.62E-05	2.26E-04	1.03E-05	3.69E-05	5.54E-06	1.71E-05
159	437761.7	3763304	6.24E-05	2.13E-04	9.69E-06	3.48E-05	5.22E-06	1.61E-05
160	437749.6	3763309	5.94E-05	2.03E-04	9.23E-06	3.31E-05	4.97E-06	1.54E-05
161	437737.4	3763314	5.77E-05	1.97E-04	8.97E-06	3.21E-05	4.83E-06	1.49E-05
162	437725.3	3763318	5.51E-05	1.88E-04	8.56E-06	3.07E-05	4.61E-06	1.42E-05
163	437664.6	3763341	4.36E-05	1.49E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
164	437652.4	3763346	4.18E-05	1.43E-04	6.49E-06	2.33E-05	3.50E-06	1.08E-05
165	437640.3	3763351	4.02E-05	1.37E-04	6.24E-06	2.24E-05	3.36E-06	1.04E-05
166	437628.1	3763355	3.87E-05	1.32E-04	6.01E-06	2.16E-05	3.24E-06	1.00E-05
167	437616	3763360	3.73E-05	1.27E-04	5.80E-06	2.08E-05	3.12E-06	9.64E-06
168	437603.8	3763364	3.60E-05	1.23E-04	5.60E-06	2.01E-05	3.01E-06	9.30E-06
169	437591.7	3763369	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.91E-06	8.99E-06
170	437877.3	3763291	9.03E-05	3.08E-04	1.40E-05	5.03E-05	7.55E-06	2.33E-05
171	437865.1	3763296	8.56E-05	2.92E-04	1.33E-05	4.77E-05	7.16E-06	2.21E-05
172	437853	3763301	8.11E-05	2.76E-04	1.26E-05	4.52E-05	6.79E-06	2.09E-05
173	437840.8	3763305	7.67E-05	2.61E-04	1.19E-05	4.27E-05	6.42E-06	1.98E-05
174	437828.6	3763310	7.12E-05	2.43E-04	1.11E-05	3.97E-05	5.96E-06	1.84E-05
175	437816.5	3763314	6.71E-05	2.29E-04	1.04E-05	3.74E-05	5.62E-06	1.73E-05
176	437804.3	3763319	6.34E-05	2.16E-04	9.85E-06	3.53E-05	5.30E-06	1.64E-05
177	437743.6	3763342	4.92E-05	1.68E-04	7.64E-06	2.74E-05	4.12E-06	1.27E-05
178	437731.4	3763347	4.78E-05	1.63E-04	7.43E-06	2.66E-05	4.00E-06	1.23E-05
179	437719.3	3763351	4.57E-05	1.56E-04	7.10E-06	2.55E-05	3.83E-06	1.18E-05
180	437694.9	3763360	4.20E-05	1.43E-04	6.53E-06	2.34E-05	3.52E-06	1.09E-05
181	437682.8	3763365	4.03E-05	1.37E-04	6.26E-06	2.25E-05	3.37E-06	1.04E-05
182	437670.6	3763370	3.87E-05	1.32E-04	6.02E-06	2.16E-05	3.24E-06	1.00E-05
183	437658.5	3763374	3.73E-05	1.27E-04	5.79E-06	2.08E-05	3.12E-06	9.63E-06
184	437646.3	3763379	3.59E-05	1.22E-04	5.58E-06	2.00E-05	3.01E-06	9.28E-06
185	437634.2	3763384	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.90E-06	8.96E-06
186	437622	3763388	3.35E-05	1.14E-04	5.20E-06	1.87E-05	2.80E-06	8.65E-06
187	437609.9	3763393	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.71E-06	8.35E-06
188	437597.7	3763397	3.12E-05	1.07E-04	4.85E-06	1.74E-05	2.61E-06	8.07E-06
189	437895.7	3763315	8.12E-05	2.77E-04	1.26E-05	4.53E-05	6.80E-06	2.10E-05
190	437883.5	3763320	7.72E-05	2.63E-04	1.20E-05	4.30E-05	6.46E-06	1.99E-05
191	437834.8	3763338	6.12E-05	2.09E-04	9.51E-06	3.41E-05	5.12E-06	1.58E-05
192	437822.7	3763343	5.78E-05	1.97E-04	8.98E-06	3.22E-05	4.84E-06	1.49E-05
193	437810.5	3763347	5.48E-05	1.87E-04	8.51E-06	3.05E-05	4.59E-06	1.42E-05
194	437798.3	3763352	5.20E-05	1.77E-04	8.08E-06	2.90E-05	4.35E-06	1.34E-05
195	437786.2	3763357	4.94E-05	1.68E-04	7.67E-06	2.75E-05	4.13E-06	1.28E-05
196	437774	3763361	4.71E-05	1.60E-04	7.31E-06	2.62E-05	3.94E-06	1.22E-05
197	437761.9	3763366	4.50E-05	1.53E-04	6.99E-06	2.50E-05	3.76E-06	1.16E-05
198	437749.7	3763370	4.31E-05	1.47E-04	6.70E-06	2.40E-05	3.61E-06	1.11E-05
199	437737.5	3763375	4.14E-05	1.41E-04	6.44E-06	2.31E-05	3.47E-06	1.07E-05
200	437725.4	3763380	4.04E-05	1.38E-04	6.28E-06	2.25E-05	3.38E-06	1.04E-05
201	437688.9	3763393	3.60E-05	1.23E-04	5.60E-06	2.01E-05	3.02E-06	9.31E-06
202	437676.7	3763398	3.48E-05	1.19E-04	5.41E-06	1.94E-05	2.91E-06	8.99E-06
203	437664.5	3763403	3.36E-05	1.15E-04	5.23E-06	1.87E-05	2.81E-06	8.69E-06
204	437652.4	3763407	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06

205	437640.2	3763412	3.15E-05	1.07E-04	4.89E-06	1.75E-05	2.63E-06	8.13E-06
206	437628.1	3763417	3.03E-05	1.03E-04	4.71E-06	1.69E-05	2.54E-06	7.83E-06
207	437615.9	3763421	2.92E-05	9.96E-05	4.54E-06	1.63E-05	2.44E-06	7.54E-06
208	437603.7	3763426	2.81E-05	9.57E-05	4.36E-06	1.56E-05	2.35E-06	7.25E-06
209	437591.6	3763430	2.72E-05	9.27E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
210	437914	3763339	7.25E-05	2.47E-04	1.13E-05	4.04E-05	6.07E-06	1.87E-05
211	437901.9	3763343	6.87E-05	2.34E-04	1.07E-05	3.83E-05	5.75E-06	1.78E-05
212	437889.7	3763348	6.52E-05	2.22E-04	1.01E-05	3.63E-05	5.45E-06	1.68E-05
213	437877.5	3763353	6.18E-05	2.11E-04	9.61E-06	3.44E-05	5.18E-06	1.60E-05
214	437865.4	3763357	5.88E-05	2.01E-04	9.14E-06	3.28E-05	4.93E-06	1.52E-05
215	437853.2	3763362	5.60E-05	1.91E-04	8.70E-06	3.12E-05	4.68E-06	1.45E-05
216	437841	3763366	5.30E-05	1.81E-04	8.23E-06	2.95E-05	4.43E-06	1.37E-05
217	437828.8	3763371	5.01E-05	1.71E-04	7.78E-06	2.79E-05	4.19E-06	1.29E-05
218	437816.7	3763376	4.74E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.23E-05
219	437804.5	3763380	4.51E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
220	437792.3	3763385	4.30E-05	1.47E-04	6.69E-06	2.40E-05	3.60E-06	1.11E-05
221	437780.2	3763390	4.12E-05	1.41E-04	6.41E-06	2.30E-05	3.45E-06	1.07E-05
222	437768	3763394	3.97E-05	1.35E-04	6.16E-06	2.21E-05	3.32E-06	1.02E-05
223	437755.8	3763399	3.82E-05	1.30E-04	5.93E-06	2.13E-05	3.20E-06	9.87E-06
224	437743.6	3763403	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.48E-06
225	437731.5	3763408	3.53E-05	1.20E-04	5.48E-06	1.97E-05	2.95E-06	9.12E-06
226	437719.3	3763413	3.41E-05	1.16E-04	5.30E-06	1.90E-05	2.86E-06	8.82E-06
227	437695	3763422	3.23E-05	1.10E-04	5.02E-06	1.80E-05	2.71E-06	8.36E-06
228	437682.8	3763426	3.13E-05	1.07E-04	4.87E-06	1.75E-05	2.62E-06	8.10E-06
229	437670.6	3763431	3.04E-05	1.04E-04	4.73E-06	1.70E-05	2.55E-06	7.86E-06
230	437658.4	3763436	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.60E-06
231	437646.3	3763440	2.84E-05	9.69E-05	4.42E-06	1.58E-05	2.38E-06	7.34E-06
232	437634.1	3763445	2.74E-05	9.36E-05	4.26E-06	1.53E-05	2.30E-06	7.09E-06
233	437621.9	3763450	2.64E-05	9.00E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06
234	437609.8	3763454	2.55E-05	8.70E-05	3.97E-06	1.42E-05	2.14E-06	6.60E-06
235	437597.6	3763459	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
236	437938.6	3763370	6.38E-05	2.18E-04	9.92E-06	3.56E-05	5.34E-06	1.65E-05
237	437926.5	3763375	6.07E-05	2.07E-04	9.43E-06	3.38E-05	5.08E-06	1.57E-05
238	437914.4	3763379	5.77E-05	1.97E-04	8.97E-06	3.21E-05	4.83E-06	1.49E-05
239	437902.3	3763384	5.49E-05	1.87E-04	8.54E-06	3.06E-05	4.60E-06	1.42E-05
240	437890.2	3763389	5.23E-05	1.78E-04	8.12E-06	2.91E-05	4.38E-06	1.35E-05
241	437878.2	3763393	4.98E-05	1.70E-04	7.73E-06	2.77E-05	4.17E-06	1.29E-05
242	437866.1	3763398	4.74E-05	1.62E-04	7.37E-06	2.64E-05	3.97E-06	1.23E-05
243	437854	3763402	4.52E-05	1.54E-04	7.02E-06	2.52E-05	3.78E-06	1.17E-05
244	437841.9	3763407	4.30E-05	1.47E-04	6.69E-06	2.40E-05	3.60E-06	1.11E-05
245	437829.8	3763412	4.09E-05	1.40E-04	6.36E-06	2.28E-05	3.43E-06	1.06E-05
246	437817.7	3763416	3.89E-05	1.33E-04	6.05E-06	2.17E-05	3.26E-06	1.01E-05
247	437805.6	3763421	3.71E-05	1.27E-04	5.77E-06	2.07E-05	3.11E-06	9.59E-06
248	437745.2	3763444	3.08E-05	1.05E-04	4.79E-06	1.72E-05	2.58E-06	7.96E-06
249	437733.1	3763448	2.99E-05	1.02E-04	4.64E-06	1.66E-05	2.50E-06	7.71E-06
250	437721	3763453	2.90E-05	9.89E-05	4.51E-06	1.62E-05	2.43E-06	7.49E-06
251	437696.9	3763462	2.75E-05	9.36E-05	4.27E-06	1.53E-05	2.30E-06	7.09E-06
252	437684.8	3763467	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
253	437672.7	3763471	2.58E-05	8.81E-05	4.01E-06	1.44E-05	2.16E-06	6.68E-06
254	437660.6	3763476	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
255	437648.5	3763480	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
256	437636.4	3763485	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.11E-06

257	437624.3	3763490	2.30E-05	7.84E-05	3.57E-06	1.28E-05	1.92E-06	5.94E-06
258	437612.2	3763494	2.24E-05	7.63E-05	3.48E-06	1.25E-05	1.87E-06	5.78E-06
259	437600.2	3763499	2.18E-05	7.44E-05	3.39E-06	1.21E-05	1.83E-06	5.63E-06
260	437951	3763406	5.34E-05	1.82E-04	8.30E-06	2.98E-05	4.47E-06	1.38E-05
261	437938.8	3763411	5.11E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
262	437926.7	3763416	4.88E-05	1.66E-04	7.58E-06	2.72E-05	4.09E-06	1.26E-05
263	437914.5	3763420	4.66E-05	1.59E-04	7.25E-06	2.60E-05	3.90E-06	1.20E-05
264	437853.8	3763443	3.67E-05	1.25E-04	5.70E-06	2.04E-05	3.07E-06	9.48E-06
265	437841.7	3763448	3.51E-05	1.20E-04	5.45E-06	1.95E-05	2.93E-06	9.06E-06
266	437829.5	3763453	3.36E-05	1.14E-04	5.21E-06	1.87E-05	2.81E-06	8.67E-06
267	437817.4	3763457	3.22E-05	1.10E-04	5.00E-06	1.79E-05	2.69E-06	8.32E-06
268	437805.2	3763462	3.10E-05	1.06E-04	4.82E-06	1.73E-05	2.60E-06	8.02E-06
269	437793.1	3763466	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.51E-06	7.74E-06
270	437780.9	3763471	2.89E-05	9.87E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
271	437768.8	3763476	2.80E-05	9.56E-05	4.35E-06	1.56E-05	2.35E-06	7.24E-06
272	437756.6	3763480	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
273	437744.5	3763485	2.65E-05	9.03E-05	4.11E-06	1.47E-05	2.22E-06	6.84E-06
274	437732.4	3763489	2.58E-05	8.79E-05	4.01E-06	1.44E-05	2.16E-06	6.66E-06
275	437720.2	3763494	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
276	437695.9	3763503	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
277	437683.8	3763508	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
278	437671.6	3763513	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
279	437659.5	3763517	2.19E-05	7.47E-05	3.40E-06	1.22E-05	1.83E-06	5.66E-06
280	437647.3	3763522	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
281	437635.2	3763526	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
282	437987.6	3763433	5.01E-05	1.71E-04	7.78E-06	2.79E-05	4.19E-06	1.29E-05
283	437951	3763447	4.36E-05	1.49E-04	6.78E-06	2.43E-05	3.65E-06	1.13E-05
284	437938.8	3763452	4.17E-05	1.42E-04	6.48E-06	2.32E-05	3.49E-06	1.08E-05
285	437926.6	3763457	4.00E-05	1.36E-04	6.21E-06	2.23E-05	3.35E-06	1.03E-05
286	437914.4	3763461	3.84E-05	1.31E-04	5.97E-06	2.14E-05	3.22E-06	9.93E-06
287	437902.2	3763466	3.68E-05	1.26E-04	5.72E-06	2.05E-05	3.08E-06	9.51E-06
288	437890	3763471	3.52E-05	1.20E-04	5.47E-06	1.96E-05	2.95E-06	9.09E-06
289	437877.8	3763475	3.37E-05	1.15E-04	5.23E-06	1.88E-05	2.82E-06	8.70E-06
290	437865.6	3763480	3.22E-05	1.10E-04	5.01E-06	1.80E-05	2.70E-06	8.33E-06
291	437853.5	3763484	3.09E-05	1.05E-04	4.80E-06	1.72E-05	2.58E-06	7.98E-06
292	437841.3	3763489	2.96E-05	1.01E-04	4.60E-06	1.65E-05	2.48E-06	7.66E-06
293	437829.1	3763494	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
294	437816.9	3763498	2.75E-05	9.38E-05	4.27E-06	1.53E-05	2.30E-06	7.10E-06
295	437804.7	3763503	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
296	437792.5	3763508	2.58E-05	8.81E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
297	437780.3	3763512	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
298	437768.1	3763517	2.44E-05	8.33E-05	3.80E-06	1.36E-05	2.04E-06	6.31E-06
299	437755.9	3763521	2.38E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
300	437743.7	3763526	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
301	437731.5	3763531	2.25E-05	7.67E-05	3.50E-06	1.25E-05	1.88E-06	5.81E-06
302	437682.7	3763549	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.28E-06
303	437670.5	3763554	1.99E-05	6.80E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
304	437658.3	3763558	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
305	437646.1	3763563	1.90E-05	6.48E-05	2.95E-06	1.06E-05	1.59E-06	4.91E-06
306	437633.9	3763568	1.86E-05	6.33E-05	2.89E-06	1.03E-05	1.55E-06	4.80E-06
307	437621.7	3763572	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
308	437609.5	3763577	1.78E-05	6.06E-05	2.76E-06	9.91E-06	1.49E-06	4.60E-06

309	438012.2	3763465	4.54E-05	1.55E-04	7.05E-06	2.53E-05	3.80E-06	1.17E-05
310	438000	3763470	4.36E-05	1.49E-04	6.77E-06	2.43E-05	3.65E-06	1.13E-05
311	437987.9	3763474	4.16E-05	1.42E-04	6.47E-06	2.32E-05	3.49E-06	1.08E-05
312	437951.5	3763488	3.66E-05	1.25E-04	5.69E-06	2.04E-05	3.07E-06	9.46E-06
313	437939.4	3763493	3.53E-05	1.20E-04	5.48E-06	1.97E-05	2.95E-06	9.12E-06
314	437927.3	3763497	3.47E-05	1.18E-04	5.39E-06	1.93E-05	2.91E-06	8.97E-06
315	437915.2	3763502	3.34E-05	1.14E-04	5.19E-06	1.86E-05	2.79E-06	8.63E-06
316	437903	3763506	3.20E-05	1.09E-04	4.98E-06	1.79E-05	2.68E-06	8.28E-06
317	437890.9	3763511	3.01E-05	1.03E-04	4.68E-06	1.68E-05	2.52E-06	7.78E-06
318	437878.8	3763516	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
319	437866.7	3763520	2.77E-05	9.44E-05	4.30E-06	1.54E-05	2.32E-06	7.15E-06
320	437854.6	3763525	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.86E-06
321	437842.4	3763530	2.56E-05	8.73E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
322	437830.3	3763534	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
323	437769.7	3763557	2.15E-05	7.34E-05	3.35E-06	1.20E-05	1.80E-06	5.56E-06
324	437757.6	3763562	2.10E-05	7.14E-05	3.26E-06	1.17E-05	1.75E-06	5.41E-06
325	437745.4	3763566	2.04E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
326	437733.3	3763571	2.00E-05	6.80E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
327	437721.2	3763576	1.95E-05	6.66E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
328	437709.1	3763580	1.91E-05	6.52E-05	2.97E-06	1.06E-05	1.60E-06	4.94E-06
329	437696.9	3763585	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.56E-06	4.83E-06
330	437684.8	3763589	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06
331	437672.7	3763594	1.79E-05	6.11E-05	2.78E-06	9.97E-06	1.50E-06	4.63E-06
332	437660.6	3763599	1.75E-05	5.96E-05	2.72E-06	9.74E-06	1.46E-06	4.52E-06
333	437648.4	3763603	1.71E-05	5.82E-05	2.65E-06	9.51E-06	1.43E-06	4.41E-06
334	437636.3	3763608	1.67E-05	5.69E-05	2.59E-06	9.30E-06	1.40E-06	4.31E-06
335	437624.2	3763612	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
336	437612.1	3763617	1.61E-05	5.48E-05	2.50E-06	8.95E-06	1.34E-06	4.15E-06
337	438036.7	3763497	4.09E-05	1.39E-04	6.35E-06	2.28E-05	3.42E-06	1.06E-05
338	438024.5	3763501	3.93E-05	1.34E-04	6.10E-06	2.19E-05	3.29E-06	1.02E-05
339	438012.3	3763506	3.77E-05	1.29E-04	5.86E-06	2.10E-05	3.16E-06	9.75E-06
340	438000.2	3763511	3.63E-05	1.24E-04	5.64E-06	2.02E-05	3.04E-06	9.37E-06
341	437988	3763515	3.49E-05	1.19E-04	5.42E-06	1.94E-05	2.92E-06	9.01E-06
342	437951.5	3763529	3.19E-05	1.09E-04	4.96E-06	1.78E-05	2.67E-06	8.25E-06
343	437939.3	3763534	3.07E-05	1.05E-04	4.78E-06	1.71E-05	2.57E-06	7.94E-06
344	437927.1	3763538	2.95E-05	1.01E-04	4.58E-06	1.64E-05	2.47E-06	7.62E-06
345	437878.4	3763557	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
346	437866.3	3763561	2.38E-05	8.13E-05	3.70E-06	1.33E-05	2.00E-06	6.16E-06
347	437854.1	3763566	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
348	437841.9	3763571	2.24E-05	7.63E-05	3.48E-06	1.25E-05	1.87E-06	5.78E-06
349	437829.8	3763575	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
350	437817.6	3763580	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
351	437805.4	3763584	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
352	437793.2	3763589	2.01E-05	6.84E-05	3.12E-06	1.12E-05	1.68E-06	5.18E-06
353	437781.1	3763594	1.95E-05	6.66E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
354	437768.9	3763598	1.91E-05	6.50E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
355	437756.7	3763603	1.86E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
356	437744.6	3763608	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
357	437732.4	3763612	1.79E-05	6.10E-05	2.78E-06	9.97E-06	1.50E-06	4.62E-06
358	437720.2	3763617	1.75E-05	5.97E-05	2.72E-06	9.76E-06	1.47E-06	4.53E-06
359	437708	3763621	1.71E-05	5.85E-05	2.66E-06	9.55E-06	1.44E-06	4.43E-06
360	437695.9	3763626	1.68E-05	5.72E-05	2.61E-06	9.35E-06	1.40E-06	4.33E-06

361	437683.7	3763631	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
362	437671.5	3763635	1.60E-05	5.45E-05	2.48E-06	8.90E-06	1.34E-06	4.13E-06
363	437659.4	3763640	1.56E-05	5.33E-05	2.43E-06	8.70E-06	1.31E-06	4.04E-06
364	437647.2	3763645	1.53E-05	5.21E-05	2.37E-06	8.51E-06	1.28E-06	3.95E-06
365	437635	3763649	1.50E-05	5.10E-05	2.33E-06	8.34E-06	1.25E-06	3.87E-06
366	437622.8	3763654	1.47E-05	5.01E-05	2.28E-06	8.18E-06	1.23E-06	3.79E-06
367	437610.7	3763658	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.21E-06	3.72E-06
368	438061.2	3763528	3.70E-05	1.26E-04	5.75E-06	2.06E-05	3.10E-06	9.56E-06
369	438049.1	3763533	3.55E-05	1.21E-04	5.51E-06	1.98E-05	2.97E-06	9.16E-06
370	438037	3763537	3.40E-05	1.16E-04	5.28E-06	1.89E-05	2.84E-06	8.77E-06
371	437952.3	3763570	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
372	437940.1	3763574	2.54E-05	8.66E-05	3.94E-06	1.41E-05	2.13E-06	6.56E-06
373	437928	3763579	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
374	437915.9	3763583	2.37E-05	8.10E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
375	437903.8	3763588	2.30E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.94E-06
376	437891.7	3763593	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
377	437879.6	3763597	2.17E-05	7.39E-05	3.37E-06	1.21E-05	1.81E-06	5.60E-06
378	437867.5	3763602	2.10E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.43E-06
379	437855.4	3763606	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
380	437843.3	3763611	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
381	437831.2	3763616	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
382	437819.1	3763620	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.87E-06
383	437807	3763625	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
384	437794.9	3763629	1.80E-05	6.15E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
385	437782.8	3763634	1.76E-05	6.01E-05	2.74E-06	9.82E-06	1.48E-06	4.56E-06
386	437770.6	3763639	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
387	437758.5	3763643	1.69E-05	5.77E-05	2.63E-06	9.42E-06	1.42E-06	4.37E-06
388	437746.4	3763648	1.66E-05	5.66E-05	2.58E-06	9.25E-06	1.39E-06	4.29E-06
389	437734.3	3763652	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
390	437722.2	3763657	1.59E-05	5.44E-05	2.48E-06	8.88E-06	1.33E-06	4.12E-06
391	437710.1	3763662	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
392	437698	3763666	1.52E-05	5.20E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
393	437685.9	3763671	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
394	437613.3	3763698	1.32E-05	4.49E-05	2.05E-06	7.34E-06	1.10E-06	3.40E-06
395	438085.7	3763560	3.32E-05	1.13E-04	5.16E-06	1.85E-05	2.78E-06	8.58E-06
396	438073.6	3763564	3.19E-05	1.09E-04	4.96E-06	1.78E-05	2.67E-06	8.25E-06
397	438061.4	3763569	3.07E-05	1.05E-04	4.77E-06	1.71E-05	2.57E-06	7.93E-06
398	438049.3	3763574	2.95E-05	1.01E-04	4.59E-06	1.64E-05	2.47E-06	7.63E-06
399	438037.1	3763578	2.84E-05	9.68E-05	4.41E-06	1.58E-05	2.38E-06	7.33E-06
400	438025	3763583	2.73E-05	9.32E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
401	438012.8	3763588	2.63E-05	8.97E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06
402	438000.7	3763592	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
403	437988.5	3763597	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
404	437952.1	3763611	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
405	437939.9	3763615	2.19E-05	7.47E-05	3.40E-06	1.22E-05	1.83E-06	5.66E-06
406	437927.8	3763620	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
407	437915.6	3763624	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
408	437903.5	3763629	2.03E-05	6.91E-05	3.15E-06	1.13E-05	1.70E-06	5.23E-06
409	437891.3	3763634	1.97E-05	6.73E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06
410	437879.2	3763638	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
411	437867	3763643	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.56E-06	4.83E-06
412	437854.9	3763648	1.82E-05	6.20E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06

413	437842.7	3763652	1.78E-05	6.05E-05	2.76E-06	9.89E-06	1.49E-06	4.59E-06
414	437830.6	3763657	1.74E-05	5.92E-05	2.70E-06	9.68E-06	1.45E-06	4.49E-06
415	437818.4	3763661	1.70E-05	5.80E-05	2.64E-06	9.47E-06	1.42E-06	4.39E-06
416	437806.3	3763666	1.66E-05	5.68E-05	2.59E-06	9.27E-06	1.39E-06	4.30E-06
417	437794.1	3763671	1.63E-05	5.56E-05	2.53E-06	9.08E-06	1.36E-06	4.21E-06
418	437721.2	3763698	1.45E-05	4.95E-05	2.25E-06	8.08E-06	1.21E-06	3.75E-06
419	437709.1	3763703	1.42E-05	4.85E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
420	437696.9	3763707	1.40E-05	4.76E-05	2.17E-06	7.78E-06	1.17E-06	3.61E-06
421	437684.8	3763712	1.37E-05	4.66E-05	2.12E-06	7.62E-06	1.14E-06	3.53E-06
422	437672.6	3763717	1.34E-05	4.56E-05	2.08E-06	7.46E-06	1.12E-06	3.46E-06
423	437660.5	3763721	1.31E-05	4.47E-05	2.04E-06	7.30E-06	1.10E-06	3.39E-06
424	437648.3	3763726	1.28E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
425	437636.1	3763731	1.26E-05	4.30E-05	1.96E-06	7.02E-06	1.06E-06	3.26E-06
426	437624	3763735	1.24E-05	4.22E-05	1.92E-06	6.90E-06	1.04E-06	3.20E-06
427	437611.8	3763740	1.22E-05	4.15E-05	1.89E-06	6.78E-06	1.02E-06	3.14E-06
428	438110.2	3763591	3.05E-05	1.04E-04	4.74E-06	1.70E-05	2.55E-06	7.89E-06
429	438098.1	3763596	2.94E-05	1.00E-04	4.57E-06	1.64E-05	2.46E-06	7.60E-06
430	438085.9	3763601	2.83E-05	9.66E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
431	438073.7	3763605	2.73E-05	9.30E-05	4.24E-06	1.52E-05	2.28E-06	7.04E-06
432	438061.5	3763610	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
433	438049.3	3763615	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
434	438037.1	3763619	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
435	438024.9	3763624	2.36E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
436	438012.7	3763628	2.28E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
437	438000.5	3763633	2.22E-05	7.57E-05	3.45E-06	1.24E-05	1.86E-06	5.74E-06
438	437988.3	3763638	2.16E-05	7.37E-05	3.36E-06	1.20E-05	1.81E-06	5.58E-06
439	437951.8	3763652	2.01E-05	6.85E-05	3.12E-06	1.12E-05	1.68E-06	5.19E-06
440	437939.6	3763656	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
441	437927.4	3763661	1.90E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
442	437915.2	3763666	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
443	437903	3763670	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
444	437829.9	3763698	1.58E-05	5.37E-05	2.45E-06	8.78E-06	1.32E-06	4.07E-06
445	437817.7	3763703	1.54E-05	5.26E-05	2.40E-06	8.59E-06	1.29E-06	3.99E-06
446	437805.5	3763707	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.26E-06	3.90E-06
447	437793.3	3763712	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.82E-06
448	437781.1	3763716	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.21E-06	3.75E-06
449	437768.9	3763721	1.42E-05	4.86E-05	2.21E-06	7.94E-06	1.19E-06	3.68E-06
450	437756.7	3763726	1.40E-05	4.77E-05	2.17E-06	7.79E-06	1.17E-06	3.61E-06
451	437744.5	3763730	1.38E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
452	437732.3	3763735	1.35E-05	4.61E-05	2.10E-06	7.53E-06	1.13E-06	3.49E-06
453	437720.1	3763740	1.33E-05	4.53E-05	2.06E-06	7.39E-06	1.11E-06	3.43E-06
454	437707.9	3763744	1.30E-05	4.44E-05	2.02E-06	7.25E-06	1.09E-06	3.36E-06
455	437695.8	3763749	1.28E-05	4.35E-05	1.98E-06	7.11E-06	1.07E-06	3.30E-06
456	437683.6	3763753	1.25E-05	4.27E-05	1.95E-06	6.98E-06	1.05E-06	3.24E-06
457	437671.4	3763758	1.23E-05	4.19E-05	1.91E-06	6.85E-06	1.03E-06	3.18E-06
458	437659.2	3763763	1.21E-05	4.12E-05	1.88E-06	6.73E-06	1.01E-06	3.12E-06
459	437647	3763767	1.19E-05	4.04E-05	1.84E-06	6.60E-06	9.92E-07	3.06E-06
460	437634.8	3763772	1.16E-05	3.97E-05	1.81E-06	6.48E-06	9.74E-07	3.01E-06
461	437622.6	3763777	1.14E-05	3.90E-05	1.78E-06	6.37E-06	9.58E-07	2.96E-06
462	438134.8	3763623	2.81E-05	9.60E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
463	438122.7	3763628	2.71E-05	9.25E-05	4.22E-06	1.51E-05	2.27E-06	7.01E-06
464	438110.5	3763632	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06

465	438098.4	3763637	2.54E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
466	438086.3	3763641	2.45E-05	8.35E-05	3.80E-06	1.36E-05	2.05E-06	6.33E-06
467	438074.1	3763646	2.36E-05	8.04E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
468	438062	3763651	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.87E-06
469	438049.9	3763655	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
470	438037.7	3763660	2.12E-05	7.24E-05	3.30E-06	1.18E-05	1.78E-06	5.48E-06
471	438025.6	3763665	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
472	437940.6	3763697	1.72E-05	5.87E-05	2.67E-06	9.58E-06	1.44E-06	4.45E-06
473	437928.5	3763701	1.68E-05	5.73E-05	2.61E-06	9.36E-06	1.41E-06	4.34E-06
474	437916.4	3763706	1.64E-05	5.60E-05	2.55E-06	9.15E-06	1.37E-06	4.24E-06
475	437904.2	3763711	1.61E-05	5.48E-05	2.50E-06	8.95E-06	1.34E-06	4.15E-06
476	437892.1	3763715	1.58E-05	5.37E-05	2.45E-06	8.78E-06	1.32E-06	4.07E-06
477	437880	3763720	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
478	437867.8	3763724	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.92E-06
479	437855.7	3763729	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
480	437843.6	3763734	1.46E-05	4.99E-05	2.27E-06	8.15E-06	1.22E-06	3.78E-06
481	437831.4	3763738	1.44E-05	4.90E-05	2.23E-06	8.00E-06	1.20E-06	3.71E-06
482	437819.3	3763743	1.41E-05	4.81E-05	2.19E-06	7.86E-06	1.18E-06	3.64E-06
483	437807.2	3763747	1.38E-05	4.72E-05	2.15E-06	7.70E-06	1.16E-06	3.57E-06
484	437795	3763752	1.36E-05	4.63E-05	2.11E-06	7.56E-06	1.14E-06	3.51E-06
485	437782.9	3763757	1.33E-05	4.54E-05	2.07E-06	7.42E-06	1.12E-06	3.44E-06
486	437770.8	3763761	1.31E-05	4.46E-05	2.03E-06	7.29E-06	1.10E-06	3.38E-06
487	437758.6	3763766	1.29E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
488	437746.5	3763770	1.26E-05	4.31E-05	1.96E-06	7.04E-06	1.06E-06	3.26E-06
489	437734.4	3763775	1.24E-05	4.23E-05	1.93E-06	6.92E-06	1.04E-06	3.21E-06
490	437722.2	3763780	1.22E-05	4.16E-05	1.90E-06	6.80E-06	1.02E-06	3.15E-06
491	437710.1	3763784	1.20E-05	4.10E-05	1.87E-06	6.69E-06	1.01E-06	3.10E-06
492	437698	3763789	1.18E-05	4.03E-05	1.84E-06	6.59E-06	9.90E-07	3.06E-06
493	437685.8	3763793	1.16E-05	3.97E-05	1.81E-06	6.48E-06	9.74E-07	3.01E-06
494	437673.7	3763798	1.15E-05	3.91E-05	1.78E-06	6.38E-06	9.59E-07	2.96E-06
495	437661.6	3763803	1.13E-05	3.84E-05	1.75E-06	6.28E-06	9.43E-07	2.91E-06
496	437649.4	3763807	1.11E-05	3.78E-05	1.72E-06	6.17E-06	9.27E-07	2.86E-06
497	437637.3	3763812	1.09E-05	3.71E-05	1.69E-06	6.07E-06	9.11E-07	2.81E-06
498	437625.2	3763817	1.07E-05	3.65E-05	1.66E-06	5.97E-06	8.96E-07	2.77E-06
499	438159.3	3763655	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.73E-06
500	438147.1	3763659	2.52E-05	8.58E-05	3.91E-06	1.40E-05	2.11E-06	6.50E-06
501	438135	3763664	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
502	438122.8	3763669	2.35E-05	8.00E-05	3.64E-06	1.31E-05	1.96E-06	6.06E-06
503	438037.6	3763701	1.86E-05	6.33E-05	2.89E-06	1.03E-05	1.55E-06	4.80E-06
504	438025.4	3763705	1.81E-05	6.16E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
505	438013.2	3763710	1.76E-05	5.99E-05	2.73E-06	9.78E-06	1.47E-06	4.54E-06
506	438001.1	3763715	1.71E-05	5.83E-05	2.65E-06	9.52E-06	1.43E-06	4.41E-06
507	437988.9	3763719	1.67E-05	5.70E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
508	437976.7	3763724	1.64E-05	5.59E-05	2.55E-06	9.13E-06	1.37E-06	4.23E-06
509	437940.2	3763738	1.53E-05	5.23E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
510	437928	3763742	1.50E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
511	437915.9	3763747	1.48E-05	5.04E-05	2.30E-06	8.23E-06	1.24E-06	3.82E-06
512	437903.7	3763752	1.45E-05	4.95E-05	2.25E-06	8.08E-06	1.21E-06	3.75E-06
513	437891.5	3763756	1.42E-05	4.86E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
514	437879.4	3763761	1.40E-05	4.77E-05	2.17E-06	7.79E-06	1.17E-06	3.61E-06
515	437867.2	3763766	1.37E-05	4.68E-05	2.13E-06	7.65E-06	1.15E-06	3.55E-06
516	437855	3763770	1.35E-05	4.60E-05	2.10E-06	7.51E-06	1.13E-06	3.48E-06

517	437842.8	3763775	1.33E-05	4.53E-05	2.06E-06	7.39E-06	1.11E-06	3.43E-06
518	437830.7	3763779	1.31E-05	4.45E-05	2.03E-06	7.27E-06	1.09E-06	3.37E-06
519	437818.5	3763784	1.28E-05	4.38E-05	2.00E-06	7.15E-06	1.07E-06	3.32E-06
520	437806.3	3763789	1.26E-05	4.31E-05	1.96E-06	7.04E-06	1.06E-06	3.26E-06
521	437794.2	3763793	1.24E-05	4.24E-05	1.93E-06	6.93E-06	1.04E-06	3.21E-06
522	437782	3763798	1.22E-05	4.17E-05	1.90E-06	6.82E-06	1.02E-06	3.16E-06
523	437769.8	3763803	1.20E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
524	437757.6	3763807	1.19E-05	4.04E-05	1.84E-06	6.61E-06	9.93E-07	3.06E-06
525	437745.5	3763812	1.17E-05	3.98E-05	1.81E-06	6.50E-06	9.77E-07	3.02E-06
526	437733.3	3763816	1.15E-05	3.92E-05	1.79E-06	6.40E-06	9.62E-07	2.97E-06
527	437721.1	3763821	1.13E-05	3.86E-05	1.76E-06	6.31E-06	9.48E-07	2.93E-06
528	437709	3763826	1.12E-05	3.81E-05	1.73E-06	6.22E-06	9.34E-07	2.88E-06
529	437696.8	3763830	1.10E-05	3.75E-05	1.71E-06	6.13E-06	9.22E-07	2.84E-06
530	437684.6	3763835	1.08E-05	3.69E-05	1.68E-06	6.03E-06	9.06E-07	2.80E-06
531	437672.4	3763839	1.07E-05	3.63E-05	1.66E-06	5.93E-06	8.92E-07	2.75E-06
532	437660.3	3763844	1.05E-05	3.57E-05	1.63E-06	5.83E-06	8.76E-07	2.70E-06
533	437648.1	3763849	1.03E-05	3.51E-05	1.60E-06	5.73E-06	8.60E-07	2.66E-06
534	437635.9	3763853	1.01E-05	3.45E-05	1.57E-06	5.63E-06	8.46E-07	2.61E-06
535	437623.8	3763858	9.96E-06	3.40E-05	1.55E-06	5.55E-06	8.34E-07	2.57E-06
536	437601	3762897	3.57E-03	1.22E-02	5.55E-04	1.99E-03	2.99E-04	9.23E-04
537	437593.1	3762905	3.13E-03	1.07E-02	4.87E-04	1.74E-03	2.62E-04	8.09E-04
538	437609.4	3762902	3.12E-03	1.07E-02	4.85E-04	1.74E-03	2.61E-04	8.07E-04
539	437601.7	3762910	2.78E-03	9.49E-03	4.33E-04	1.55E-03	2.33E-04	7.19E-04
540	437617.7	3762908	2.77E-03	9.44E-03	4.30E-04	1.54E-03	2.32E-04	7.15E-04
541	437610.2	3762916	2.49E-03	8.50E-03	3.87E-04	1.39E-03	2.09E-04	6.44E-04
542	437626.1	3762913	2.47E-03	8.43E-03	3.84E-04	1.38E-03	2.07E-04	6.39E-04
543	437618.7	3762921	2.24E-03	7.65E-03	3.49E-04	1.25E-03	1.88E-04	5.80E-04
544	437634.2	3762919	2.22E-03	7.56E-03	3.45E-04	1.24E-03	1.86E-04	5.73E-04
545	437650.9	3762930	1.83E-03	6.23E-03	2.84E-04	1.02E-03	1.53E-04	4.72E-04
546	437650.7	3762959	1.26E-03	4.31E-03	1.96E-04	7.03E-04	1.06E-04	3.26E-04
547	437642.3	3762968	1.12E-03	3.82E-03	1.74E-04	6.24E-04	9.38E-05	2.90E-04
548	437676	3762961	1.21E-03	4.11E-03	1.87E-04	6.72E-04	1.01E-04	3.12E-04
549	437668	3762969	1.10E-03	3.74E-03	1.70E-04	6.11E-04	9.18E-05	2.83E-04
550	437659.9	3762978	9.87E-04	3.36E-03	1.53E-04	5.50E-04	8.26E-05	2.55E-04
551	437700.9	3762963	1.13E-03	3.85E-03	1.76E-04	6.30E-04	9.46E-05	2.92E-04
552	437693	3762972	1.05E-03	3.58E-03	1.63E-04	5.85E-04	8.78E-05	2.71E-04
553	437685.1	3762980	9.64E-04	3.29E-03	1.50E-04	5.37E-04	8.07E-05	2.49E-04
554	437677.2	3762989	8.76E-04	2.99E-03	1.36E-04	4.88E-04	7.33E-05	2.26E-04
555	437669.3	3762997	7.88E-04	2.69E-03	1.23E-04	4.39E-04	6.60E-05	2.04E-04
556	437709.2	3762983	9.15E-04	3.12E-03	1.42E-04	5.10E-04	7.66E-05	2.36E-04
557	437701	3762992	8.41E-04	2.87E-03	1.31E-04	4.68E-04	7.04E-05	2.17E-04
558	437692.7	3763001	7.65E-04	2.61E-03	1.19E-04	4.26E-04	6.40E-05	1.98E-04
559	437684.5	3763010	6.90E-04	2.35E-03	1.07E-04	3.84E-04	5.78E-05	1.78E-04
560	437710	3763011	6.87E-04	2.34E-03	1.07E-04	3.83E-04	5.75E-05	1.78E-04
561	437701.9	3763020	6.25E-04	2.13E-03	9.72E-05	3.48E-04	5.23E-05	1.62E-04
562	437750.7	3762996	7.64E-04	2.61E-03	1.19E-04	4.26E-04	6.40E-05	1.97E-04
563	437742.4	3763005	7.17E-04	2.45E-03	1.11E-04	3.99E-04	6.00E-05	1.85E-04
564	437767.4	3763007	6.80E-04	2.32E-03	1.06E-04	3.79E-04	5.69E-05	1.76E-04
565	437759.2	3763016	6.41E-04	2.19E-03	9.96E-05	3.57E-04	5.37E-05	1.66E-04
566	437751.1	3763025	5.97E-04	2.04E-03	9.28E-05	3.33E-04	5.00E-05	1.54E-04
567	437742.9	3763034	5.49E-04	1.87E-03	8.54E-05	3.06E-04	4.60E-05	1.42E-04
568	437783.9	3763019	6.07E-04	2.07E-03	9.44E-05	3.38E-04	5.08E-05	1.57E-04

569	437775.6	3763028	5.71E-04	1.95E-03	8.88E-05	3.18E-04	4.78E-05	1.48E-04
570	437767.2	3763037	5.32E-04	1.81E-03	8.27E-05	2.96E-04	4.45E-05	1.38E-04
571	437758.8	3763046	4.90E-04	1.67E-03	7.62E-05	2.73E-04	4.11E-05	1.27E-04
572	437750.5	3763055	4.48E-04	1.53E-03	6.97E-05	2.50E-04	3.75E-05	1.16E-04
573	437742.1	3763064	4.08E-04	1.39E-03	6.33E-05	2.27E-04	3.41E-05	1.05E-04
574	437800.6	3763030	5.47E-04	1.87E-03	8.51E-05	3.05E-04	4.58E-05	1.41E-04
575	437792.4	3763039	5.16E-04	1.76E-03	8.02E-05	2.87E-04	4.32E-05	1.33E-04
576	437784.2	3763047	4.83E-04	1.65E-03	7.50E-05	2.69E-04	4.04E-05	1.25E-04
577	437776	3763056	4.48E-04	1.53E-03	6.96E-05	2.49E-04	3.75E-05	1.16E-04
578	437767.7	3763065	4.12E-04	1.41E-03	6.41E-05	2.30E-04	3.45E-05	1.07E-04
579	437759.5	3763074	3.77E-04	1.29E-03	5.86E-05	2.10E-04	3.16E-05	9.75E-05
580	437751.3	3763083	3.44E-04	1.17E-03	5.34E-05	1.91E-04	2.88E-05	8.88E-05
581	437743.1	3763092	3.12E-04	1.06E-03	4.85E-05	1.74E-04	2.61E-05	8.06E-05
582	437808.9	3763064	4.20E-04	1.43E-03	6.53E-05	2.34E-04	3.52E-05	1.09E-04
583	437800.5	3763073	3.91E-04	1.33E-03	6.07E-05	2.18E-04	3.27E-05	1.01E-04
584	437792.2	3763082	3.61E-04	1.23E-03	5.61E-05	2.01E-04	3.02E-05	9.32E-05
585	437783.8	3763091	3.32E-04	1.13E-03	5.16E-05	1.85E-04	2.78E-05	8.58E-05
586	437775.5	3763100	3.04E-04	1.04E-03	4.72E-05	1.69E-04	2.54E-05	7.85E-05
587	437767.1	3763109	2.77E-04	9.43E-04	4.30E-05	1.54E-04	2.31E-05	7.15E-05
588	437758.8	3763118	2.51E-04	8.56E-04	3.90E-05	1.40E-04	2.10E-05	6.49E-05
589	437793.4	3763124	2.55E-04	8.68E-04	3.96E-05	1.42E-04	2.13E-05	6.58E-05
590	437785.3	3763133	2.33E-04	7.94E-04	3.62E-05	1.30E-04	1.95E-05	6.01E-05
591	437777.1	3763142	2.13E-04	7.25E-04	3.31E-05	1.18E-04	1.78E-05	5.50E-05
592	437875.5	3763080	3.66E-04	1.25E-03	5.69E-05	2.04E-04	3.07E-05	9.47E-05
593	437859	3763097	3.32E-04	1.13E-03	5.16E-05	1.85E-04	2.78E-05	8.57E-05
594	437850.7	3763106	3.14E-04	1.07E-03	4.87E-05	1.75E-04	2.62E-05	8.10E-05
595	437842.4	3763115	2.92E-04	9.97E-04	4.54E-05	1.63E-04	2.45E-05	7.56E-05
596	437834.2	3763124	2.71E-04	9.24E-04	4.21E-05	1.51E-04	2.27E-05	7.00E-05
597	437825.9	3763133	2.50E-04	8.52E-04	3.88E-05	1.39E-04	2.09E-05	6.46E-05
598	437900.5	3763096	3.24E-04	1.11E-03	5.04E-05	1.81E-04	2.72E-05	8.38E-05
599	437867	3763132	2.61E-04	8.90E-04	4.05E-05	1.45E-04	2.18E-05	6.74E-05
600	437858.6	3763141	2.44E-04	8.32E-04	3.79E-05	1.36E-04	2.04E-05	6.31E-05
601	437850.2	3763150	2.27E-04	7.73E-04	3.52E-05	1.26E-04	1.90E-05	5.86E-05
602	437841.9	3763159	2.09E-04	7.14E-04	3.25E-05	1.17E-04	1.75E-05	5.41E-05
603	437833.5	3763168	1.93E-04	6.58E-04	3.00E-05	1.07E-04	1.61E-05	4.98E-05
604	437825.1	3763177	1.78E-04	6.06E-04	2.76E-05	9.91E-05	1.49E-05	4.60E-05
605	437925.5	3763113	2.89E-04	9.85E-04	4.49E-05	1.61E-04	2.42E-05	7.46E-05
606	437917.3	3763122	2.76E-04	9.42E-04	4.29E-05	1.54E-04	2.31E-05	7.14E-05
607	437909.1	3763130	2.63E-04	8.97E-04	4.09E-05	1.47E-04	2.20E-05	6.80E-05
608	437900.8	3763139	2.50E-04	8.51E-04	3.88E-05	1.39E-04	2.09E-05	6.45E-05
609	437867.9	3763175	1.93E-04	6.57E-04	3.00E-05	1.07E-04	1.61E-05	4.98E-05
610	437859.7	3763184	1.79E-04	6.11E-04	2.78E-05	9.98E-05	1.50E-05	4.63E-05
611	437851.5	3763192	1.66E-04	5.65E-04	2.58E-05	9.24E-05	1.39E-05	4.28E-05
612	437843.3	3763201	1.54E-04	5.23E-04	2.39E-05	8.55E-05	1.28E-05	3.97E-05
613	437835.1	3763210	1.42E-04	4.86E-04	2.21E-05	7.93E-05	1.19E-05	3.68E-05
614	437950.4	3763129	2.59E-04	8.84E-04	4.03E-05	1.44E-04	2.17E-05	6.70E-05
615	437942.1	3763138	2.48E-04	8.46E-04	3.86E-05	1.38E-04	2.08E-05	6.41E-05
616	437933.8	3763147	2.37E-04	8.07E-04	3.68E-05	1.32E-04	1.98E-05	6.12E-05
617	437925.5	3763156	2.25E-04	7.67E-04	3.49E-05	1.25E-04	1.88E-05	5.81E-05
618	437917.2	3763165	2.13E-04	7.26E-04	3.31E-05	1.19E-04	1.78E-05	5.50E-05
619	437908.9	3763174	2.01E-04	6.85E-04	3.12E-05	1.12E-04	1.68E-05	5.19E-05
620	437900.6	3763183	1.88E-04	6.43E-04	2.93E-05	1.05E-04	1.58E-05	4.87E-05

621	437867.4	3763219	1.42E-04	4.83E-04	2.20E-05	7.89E-05	1.18E-05	3.66E-05
622	437859	3763228	1.32E-04	4.49E-04	2.04E-05	7.33E-05	1.10E-05	3.40E-05
623	437850.7	3763237	1.22E-04	4.17E-04	1.90E-05	6.81E-05	1.02E-05	3.16E-05
624	437950.2	3763173	2.04E-04	6.97E-04	3.18E-05	1.14E-04	1.71E-05	5.28E-05
625	437941.8	3763182	1.94E-04	6.60E-04	3.01E-05	1.08E-04	1.62E-05	5.00E-05
626	437933.5	3763191	1.83E-04	6.25E-04	2.85E-05	1.02E-04	1.53E-05	4.73E-05
627	437925.1	3763200	1.73E-04	5.88E-04	2.68E-05	9.61E-05	1.44E-05	4.46E-05
628	437916.7	3763209	1.62E-04	5.51E-04	2.51E-05	9.01E-05	1.35E-05	4.18E-05
629	437908.3	3763218	1.51E-04	5.15E-04	2.35E-05	8.41E-05	1.26E-05	3.90E-05
630	437874.7	3763254	1.12E-04	3.82E-04	1.74E-05	6.24E-05	9.37E-06	2.89E-05
631	438000.4	3763163	2.14E-04	7.29E-04	3.32E-05	1.19E-04	1.79E-05	5.53E-05
632	437992.1	3763172	2.06E-04	7.02E-04	3.20E-05	1.15E-04	1.72E-05	5.32E-05
633	437983.9	3763180	1.97E-04	6.71E-04	3.06E-05	1.10E-04	1.65E-05	5.08E-05
634	437950.8	3763216	1.60E-04	5.44E-04	2.48E-05	8.89E-05	1.34E-05	4.12E-05
635	437942.6	3763225	1.50E-04	5.12E-04	2.33E-05	8.37E-05	1.26E-05	3.88E-05
636	437934.3	3763234	1.41E-04	4.81E-04	2.19E-05	7.85E-05	1.18E-05	3.64E-05
637	437926.1	3763243	1.32E-04	4.50E-04	2.05E-05	7.35E-05	1.10E-05	3.41E-05
638	437917.8	3763252	1.23E-04	4.20E-04	1.91E-05	6.86E-05	1.03E-05	3.18E-05
639	437909.5	3763260	1.15E-04	3.91E-04	1.78E-05	6.39E-05	9.60E-06	2.96E-05
640	437901.3	3763269	1.07E-04	3.65E-04	1.66E-05	5.97E-05	8.97E-06	2.77E-05
641	437893	3763278	9.99E-05	3.41E-04	1.55E-05	5.57E-05	8.37E-06	2.58E-05
642	438025.4	3763179	1.95E-04	6.65E-04	3.03E-05	1.09E-04	1.63E-05	5.04E-05
643	438017	3763188	1.88E-04	6.39E-04	2.91E-05	1.04E-04	1.57E-05	4.85E-05
644	438008.7	3763197	1.80E-04	6.13E-04	2.79E-05	1.00E-04	1.50E-05	4.64E-05
645	438000.4	3763206	1.71E-04	5.85E-04	2.66E-05	9.55E-05	1.44E-05	4.43E-05
646	437992	3763215	1.64E-04	5.59E-04	2.55E-05	9.13E-05	1.37E-05	4.23E-05
647	437983.7	3763224	1.56E-04	5.30E-04	2.42E-05	8.66E-05	1.30E-05	4.02E-05
648	437950.4	3763260	1.22E-04	4.16E-04	1.90E-05	6.80E-05	1.02E-05	3.15E-05
649	437942	3763269	1.15E-04	3.91E-04	1.78E-05	6.38E-05	9.59E-06	2.96E-05
650	437933.7	3763278	1.07E-04	3.66E-04	1.67E-05	5.98E-05	8.98E-06	2.77E-05
651	437925.4	3763287	1.00E-04	3.43E-04	1.56E-05	5.60E-05	8.41E-06	2.60E-05
652	437917	3763296	9.45E-05	3.22E-04	1.47E-05	5.27E-05	7.91E-06	2.44E-05
653	437908.7	3763305	8.84E-05	3.01E-04	1.37E-05	4.93E-05	7.40E-06	2.28E-05
654	438025.1	3763223	1.58E-04	5.40E-04	2.46E-05	8.82E-05	1.33E-05	4.09E-05
655	437999.9	3763250	1.35E-04	4.61E-04	2.10E-05	7.53E-05	1.13E-05	3.49E-05
656	437991.5	3763259	1.28E-04	4.35E-04	1.98E-05	7.11E-05	1.07E-05	3.30E-05
657	437983.1	3763268	1.20E-04	4.10E-04	1.87E-05	6.70E-05	1.01E-05	3.11E-05
658	437949.5	3763304	9.40E-05	3.21E-04	1.46E-05	5.24E-05	7.87E-06	2.43E-05
659	437941.1	3763313	8.84E-05	3.02E-04	1.37E-05	4.93E-05	7.40E-06	2.28E-05
660	438083.6	3763218	1.59E-04	5.43E-04	2.48E-05	8.87E-05	1.33E-05	4.12E-05
661	438075.2	3763227	1.54E-04	5.24E-04	2.39E-05	8.56E-05	1.29E-05	3.97E-05
662	438058.3	3763245	1.41E-04	4.82E-04	2.20E-05	7.88E-05	1.18E-05	3.66E-05
663	438049.9	3763254	1.35E-04	4.61E-04	2.10E-05	7.53E-05	1.13E-05	3.49E-05
664	438041.5	3763263	1.29E-04	4.39E-04	2.00E-05	7.18E-05	1.08E-05	3.33E-05
665	438033.1	3763272	1.22E-04	4.17E-04	1.90E-05	6.82E-05	1.02E-05	3.16E-05
666	438024.7	3763282	1.16E-04	3.95E-04	1.80E-05	6.46E-05	9.71E-06	3.00E-05
667	438016.2	3763291	1.10E-04	3.74E-04	1.70E-05	6.11E-05	9.18E-06	2.84E-05
668	438007.8	3763300	1.04E-04	3.54E-04	1.61E-05	5.79E-05	8.69E-06	2.68E-05
669	437999.4	3763309	9.81E-05	3.34E-04	1.52E-05	5.46E-05	8.21E-06	2.53E-05
670	437991	3763318	9.24E-05	3.15E-04	1.44E-05	5.15E-05	7.74E-06	2.39E-05
671	437982.6	3763327	8.70E-05	2.97E-04	1.35E-05	4.85E-05	7.28E-06	2.25E-05
672	437948.9	3763363	6.77E-05	2.31E-04	1.05E-05	3.77E-05	5.66E-06	1.75E-05

673	438108.4	3763249	1.39E-04	4.74E-04	2.16E-05	7.74E-05	1.16E-05	3.59E-05
674	438100	3763258	1.34E-04	4.56E-04	2.08E-05	7.44E-05	1.12E-05	3.45E-05
675	438091.6	3763268	1.28E-04	4.37E-04	1.99E-05	7.14E-05	1.07E-05	3.31E-05
676	438083.1	3763277	1.23E-04	4.19E-04	1.91E-05	6.84E-05	1.03E-05	3.17E-05
677	438074.7	3763286	1.17E-04	4.00E-04	1.82E-05	6.54E-05	9.82E-06	3.03E-05
678	438066.2	3763295	1.12E-04	3.81E-04	1.74E-05	6.23E-05	9.36E-06	2.89E-05
679	438057.8	3763304	1.06E-04	3.63E-04	1.65E-05	5.92E-05	8.90E-06	2.75E-05
680	438049.4	3763313	1.01E-04	3.45E-04	1.57E-05	5.63E-05	8.46E-06	2.61E-05
681	438040.9	3763322	9.60E-05	3.27E-04	1.49E-05	5.35E-05	8.04E-06	2.48E-05
682	438032.5	3763331	9.10E-05	3.10E-04	1.41E-05	5.07E-05	7.62E-06	2.35E-05
683	438024	3763340	8.61E-05	2.94E-04	1.34E-05	4.80E-05	7.21E-06	2.22E-05
684	438015.6	3763349	8.13E-05	2.77E-04	1.26E-05	4.53E-05	6.81E-06	2.10E-05
685	438007.2	3763358	7.65E-05	2.61E-04	1.19E-05	4.26E-05	6.40E-06	1.98E-05
686	437998.7	3763367	7.18E-05	2.45E-04	1.12E-05	4.00E-05	6.01E-06	1.86E-05
687	438150.2	3763262	1.31E-04	4.45E-04	2.03E-05	7.28E-05	1.09E-05	3.37E-05
688	438141.9	3763271	1.27E-04	4.33E-04	1.97E-05	7.08E-05	1.06E-05	3.28E-05
689	438133.6	3763280	1.23E-04	4.18E-04	1.90E-05	6.83E-05	1.03E-05	3.17E-05
690	438125.3	3763289	1.18E-04	4.03E-04	1.83E-05	6.58E-05	9.88E-06	3.05E-05
691	438117	3763298	1.13E-04	3.86E-04	1.76E-05	6.31E-05	9.48E-06	2.93E-05
692	438108.7	3763307	1.08E-04	3.70E-04	1.68E-05	6.04E-05	9.08E-06	2.80E-05
693	438100.4	3763316	1.04E-04	3.54E-04	1.61E-05	5.78E-05	8.68E-06	2.68E-05
694	438092.1	3763325	9.90E-05	3.38E-04	1.54E-05	5.51E-05	8.29E-06	2.56E-05
695	438083.8	3763334	9.43E-05	3.22E-04	1.47E-05	5.25E-05	7.89E-06	2.44E-05
696	438075.4	3763343	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
697	438067.1	3763352	8.52E-05	2.90E-04	1.32E-05	4.74E-05	7.13E-06	2.20E-05
698	438058.8	3763361	8.08E-05	2.75E-04	1.25E-05	4.50E-05	6.76E-06	2.09E-05
699	438050.5	3763370	7.66E-05	2.61E-04	1.19E-05	4.27E-05	6.41E-06	1.98E-05
700	438017.3	3763405	6.08E-05	2.07E-04	9.45E-06	3.39E-05	5.09E-06	1.57E-05
701	438009	3763414	5.73E-05	1.96E-04	8.91E-06	3.19E-05	4.80E-06	1.48E-05
702	438000.7	3763423	5.41E-05	1.84E-04	8.40E-06	3.01E-05	4.52E-06	1.40E-05
703	438183.5	3763285	1.19E-04	4.05E-04	1.85E-05	6.62E-05	9.95E-06	3.07E-05
704	438175.2	3763294	1.15E-04	3.93E-04	1.79E-05	6.42E-05	9.64E-06	2.98E-05
705	438166.9	3763303	1.12E-04	3.82E-04	1.74E-05	6.24E-05	9.37E-06	2.89E-05
706	438158.5	3763312	1.08E-04	3.68E-04	1.68E-05	6.02E-05	9.04E-06	2.79E-05
707	438150.2	3763320	1.04E-04	3.54E-04	1.61E-05	5.79E-05	8.70E-06	2.68E-05
708	438141.9	3763329	9.96E-05	3.40E-04	1.55E-05	5.55E-05	8.34E-06	2.57E-05
709	438133.5	3763338	9.54E-05	3.25E-04	1.48E-05	5.31E-05	7.99E-06	2.47E-05
710	438125.2	3763347	9.13E-05	3.11E-04	1.42E-05	5.08E-05	7.64E-06	2.36E-05
711	438116.9	3763356	8.72E-05	2.97E-04	1.36E-05	4.86E-05	7.30E-06	2.25E-05
712	438108.5	3763365	8.32E-05	2.84E-04	1.29E-05	4.63E-05	6.96E-06	2.15E-05
713	438075.2	3763401	6.80E-05	2.32E-04	1.06E-05	3.79E-05	5.69E-06	1.76E-05
714	438066.9	3763410	6.45E-05	2.20E-04	1.00E-05	3.59E-05	5.40E-06	1.67E-05
715	438058.5	3763419	6.10E-05	2.08E-04	9.49E-06	3.40E-05	5.11E-06	1.58E-05
716	438050.2	3763428	5.77E-05	1.97E-04	8.96E-06	3.21E-05	4.83E-06	1.49E-05
717	438041.9	3763437	5.44E-05	1.86E-04	8.46E-06	3.03E-05	4.56E-06	1.41E-05
718	438033.5	3763446	5.14E-05	1.75E-04	7.98E-06	2.86E-05	4.30E-06	1.33E-05
719	438025.2	3763455	4.85E-05	1.66E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
720	438216.8	3763307	1.09E-04	3.72E-04	1.69E-05	6.07E-05	9.12E-06	2.82E-05
721	438208.5	3763316	1.06E-04	3.60E-04	1.64E-05	5.89E-05	8.85E-06	2.73E-05
722	438200.1	3763325	1.02E-04	3.49E-04	1.59E-05	5.70E-05	8.57E-06	2.64E-05
723	438191.7	3763334	9.88E-05	3.37E-04	1.54E-05	5.51E-05	8.27E-06	2.55E-05
724	438183.4	3763343	9.52E-05	3.25E-04	1.48E-05	5.30E-05	7.97E-06	2.46E-05

725	438175	3763352	9.15E-05	3.12E-04	1.42E-05	5.10E-05	7.66E-06	2.36E-05
726	438166.7	3763361	8.78E-05	2.99E-04	1.36E-05	4.89E-05	7.35E-06	2.27E-05
727	438158.3	3763370	8.41E-05	2.87E-04	1.31E-05	4.68E-05	7.04E-06	2.17E-05
728	438124.9	3763406	7.00E-05	2.39E-04	1.09E-05	3.90E-05	5.86E-06	1.81E-05
729	438116.6	3763415	6.68E-05	2.28E-04	1.04E-05	3.72E-05	5.59E-06	1.72E-05
730	438108.2	3763424	6.36E-05	2.17E-04	9.89E-06	3.55E-05	5.33E-06	1.64E-05
731	438099.9	3763433	6.06E-05	2.07E-04	9.41E-06	3.37E-05	5.07E-06	1.57E-05
732	438091.5	3763442	5.76E-05	1.96E-04	8.95E-06	3.21E-05	4.82E-06	1.49E-05
733	438083.2	3763451	5.45E-05	1.86E-04	8.47E-06	3.03E-05	4.56E-06	1.41E-05
734	438074.8	3763460	5.15E-05	1.76E-04	8.01E-06	2.87E-05	4.31E-06	1.33E-05
735	438066.4	3763469	4.88E-05	1.66E-04	7.58E-06	2.72E-05	4.08E-06	1.26E-05
736	438058.1	3763477	4.62E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
737	438049.7	3763486	4.37E-05	1.49E-04	6.79E-06	2.43E-05	3.66E-06	1.13E-05
738	438250.1	3763329	9.99E-05	3.41E-04	1.55E-05	5.57E-05	8.36E-06	2.58E-05
739	438241.7	3763338	9.71E-05	3.31E-04	1.51E-05	5.41E-05	8.13E-06	2.51E-05
740	438233.4	3763347	9.41E-05	3.21E-04	1.46E-05	5.24E-05	7.88E-06	2.43E-05
741	438225	3763356	9.11E-05	3.11E-04	1.42E-05	5.07E-05	7.62E-06	2.35E-05
742	438216.6	3763365	8.79E-05	3.00E-04	1.37E-05	4.90E-05	7.36E-06	2.27E-05
743	438183.1	3763401	7.47E-05	2.55E-04	1.16E-05	4.16E-05	6.25E-06	1.93E-05
744	438174.7	3763410	7.14E-05	2.43E-04	1.11E-05	3.98E-05	5.98E-06	1.84E-05
745	438166.4	3763419	6.85E-05	2.33E-04	1.06E-05	3.81E-05	5.73E-06	1.77E-05
746	438158	3763428	6.56E-05	2.24E-04	1.02E-05	3.65E-05	5.49E-06	1.69E-05
747	438149.6	3763437	6.28E-05	2.14E-04	9.75E-06	3.50E-05	5.25E-06	1.62E-05
748	438141.3	3763446	5.99E-05	2.04E-04	9.30E-06	3.33E-05	5.01E-06	1.55E-05
749	438132.9	3763455	5.69E-05	1.94E-04	8.85E-06	3.17E-05	4.76E-06	1.47E-05
750	438124.5	3763464	5.41E-05	1.84E-04	8.40E-06	3.01E-05	4.52E-06	1.40E-05
751	438116.1	3763473	5.12E-05	1.75E-04	7.96E-06	2.85E-05	4.29E-06	1.32E-05
752	438107.8	3763482	4.86E-05	1.66E-04	7.55E-06	2.71E-05	4.06E-06	1.25E-05
753	438099.4	3763491	4.60E-05	1.57E-04	7.15E-06	2.56E-05	3.85E-06	1.19E-05
754	438091	3763500	4.36E-05	1.49E-04	6.78E-06	2.43E-05	3.65E-06	1.13E-05
755	438082.7	3763509	4.15E-05	1.41E-04	6.44E-06	2.31E-05	3.47E-06	1.07E-05
756	438074.3	3763518	3.94E-05	1.34E-04	6.12E-06	2.19E-05	3.30E-06	1.02E-05
757	438283.4	3763351	9.23E-05	3.15E-04	1.43E-05	5.14E-05	7.72E-06	2.38E-05
758	438275	3763360	8.97E-05	3.06E-04	1.39E-05	5.00E-05	7.51E-06	2.32E-05
759	438266.6	3763369	8.70E-05	2.97E-04	1.35E-05	4.85E-05	7.28E-06	2.25E-05
760	438233.1	3763405	7.57E-05	2.58E-04	1.18E-05	4.22E-05	6.34E-06	1.96E-05
761	438224.7	3763414	7.28E-05	2.48E-04	1.13E-05	4.05E-05	6.09E-06	1.88E-05
762	438216.3	3763423	7.00E-05	2.39E-04	1.09E-05	3.90E-05	5.86E-06	1.81E-05
763	438207.9	3763432	6.73E-05	2.29E-04	1.05E-05	3.75E-05	5.63E-06	1.74E-05
764	438199.5	3763441	6.46E-05	2.20E-04	1.00E-05	3.60E-05	5.41E-06	1.67E-05
765	438191.1	3763450	6.19E-05	2.11E-04	9.62E-06	3.45E-05	5.18E-06	1.60E-05
766	438182.7	3763459	5.93E-05	2.02E-04	9.22E-06	3.31E-05	4.97E-06	1.53E-05
767	438174.3	3763468	5.67E-05	1.94E-04	8.82E-06	3.16E-05	4.75E-06	1.47E-05
768	438165.9	3763477	5.39E-05	1.84E-04	8.38E-06	3.00E-05	4.51E-06	1.39E-05
769	438157.5	3763486	5.12E-05	1.75E-04	7.95E-06	2.85E-05	4.28E-06	1.32E-05
770	438149.2	3763496	4.85E-05	1.66E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
771	438140.8	3763505	4.61E-05	1.57E-04	7.16E-06	2.57E-05	3.85E-06	1.19E-05
772	438132.4	3763514	4.37E-05	1.49E-04	6.79E-06	2.44E-05	3.66E-06	1.13E-05
773	438124	3763523	4.15E-05	1.42E-04	6.45E-06	2.31E-05	3.48E-06	1.07E-05
774	438115.6	3763532	3.95E-05	1.35E-04	6.13E-06	2.20E-05	3.30E-06	1.02E-05
775	438291.5	3763400	7.82E-05	2.67E-04	1.21E-05	4.36E-05	6.54E-06	2.02E-05
776	438283.1	3763409	7.56E-05	2.58E-04	1.17E-05	4.21E-05	6.32E-06	1.95E-05

777	438266.2	3763428	7.04E-05	2.40E-04	1.09E-05	3.92E-05	5.89E-06	1.82E-05
778	438257.8	3763437	6.79E-05	2.31E-04	1.05E-05	3.78E-05	5.68E-06	1.75E-05
779	438249.4	3763446	6.54E-05	2.23E-04	1.02E-05	3.64E-05	5.47E-06	1.69E-05
780	438241	3763455	6.30E-05	2.15E-04	9.79E-06	3.51E-05	5.28E-06	1.63E-05
781	438232.6	3763464	6.07E-05	2.07E-04	9.43E-06	3.38E-05	5.08E-06	1.57E-05
782	438224.2	3763473	5.84E-05	1.99E-04	9.07E-06	3.25E-05	4.89E-06	1.51E-05
783	438215.8	3763482	5.59E-05	1.91E-04	8.69E-06	3.12E-05	4.68E-06	1.45E-05
784	438207.4	3763491	5.35E-05	1.82E-04	8.31E-06	2.98E-05	4.48E-06	1.38E-05
785	438199	3763500	5.10E-05	1.74E-04	7.93E-06	2.84E-05	4.27E-06	1.32E-05
786	438190.6	3763509	4.85E-05	1.65E-04	7.54E-06	2.70E-05	4.06E-06	1.25E-05
787	438182.2	3763518	4.61E-05	1.57E-04	7.16E-06	2.57E-05	3.86E-06	1.19E-05
788	438173.8	3763527	4.38E-05	1.49E-04	6.81E-06	2.44E-05	3.67E-06	1.13E-05
789	438165.4	3763536	4.17E-05	1.42E-04	6.48E-06	2.32E-05	3.49E-06	1.08E-05
790	438140.2	3763563	3.60E-05	1.23E-04	5.60E-06	2.01E-05	3.01E-06	9.30E-06
791	438131.8	3763572	3.42E-05	1.17E-04	5.32E-06	1.91E-05	2.87E-06	8.85E-06
792	438123.4	3763581	3.25E-05	1.11E-04	5.05E-06	1.81E-05	2.72E-06	8.40E-06
793	438350	3763395	7.89E-05	2.69E-04	1.23E-05	4.40E-05	6.61E-06	2.04E-05
794	438341.6	3763405	7.70E-05	2.63E-04	1.20E-05	4.29E-05	6.45E-06	1.99E-05
795	438333.1	3763414	7.50E-05	2.56E-04	1.16E-05	4.18E-05	6.27E-06	1.94E-05
796	438324.7	3763423	7.27E-05	2.48E-04	1.13E-05	4.05E-05	6.09E-06	1.88E-05
797	438316.3	3763432	7.04E-05	2.40E-04	1.09E-05	3.92E-05	5.90E-06	1.82E-05
798	438307.9	3763441	6.81E-05	2.32E-04	1.06E-05	3.79E-05	5.70E-06	1.76E-05
799	438299.5	3763450	6.58E-05	2.25E-04	1.02E-05	3.67E-05	5.51E-06	1.70E-05
800	438291	3763459	6.36E-05	2.17E-04	9.88E-06	3.54E-05	5.32E-06	1.64E-05
801	438257.4	3763495	5.50E-05	1.87E-04	8.54E-06	3.06E-05	4.60E-06	1.42E-05
802	438248.9	3763504	5.27E-05	1.80E-04	8.20E-06	2.94E-05	4.41E-06	1.36E-05
803	438240.5	3763513	5.05E-05	1.72E-04	7.85E-06	2.81E-05	4.23E-06	1.30E-05
804	438232.1	3763522	4.83E-05	1.65E-04	7.51E-06	2.69E-05	4.04E-06	1.25E-05
805	438223.7	3763531	4.61E-05	1.57E-04	7.17E-06	2.57E-05	3.86E-06	1.19E-05
806	438198.4	3763558	3.99E-05	1.36E-04	6.20E-06	2.22E-05	3.34E-06	1.03E-05
807	438190	3763568	3.81E-05	1.30E-04	5.91E-06	2.12E-05	3.19E-06	9.83E-06
808	438181.6	3763577	3.63E-05	1.24E-04	5.64E-06	2.02E-05	3.04E-06	9.38E-06
809	438173.1	3763586	3.46E-05	1.18E-04	5.38E-06	1.93E-05	2.90E-06	8.95E-06
810	438164.7	3763595	3.30E-05	1.13E-04	5.13E-06	1.84E-05	2.76E-06	8.53E-06
811	438156.3	3763604	3.14E-05	1.07E-04	4.88E-06	1.75E-05	2.63E-06	8.12E-06
812	438147.9	3763613	2.99E-05	1.02E-04	4.65E-06	1.67E-05	2.50E-06	7.73E-06
813	438349.5	3763454	6.56E-05	2.24E-04	1.02E-05	3.66E-05	5.49E-06	1.70E-05
814	438341.1	3763463	6.36E-05	2.17E-04	9.89E-06	3.55E-05	5.33E-06	1.64E-05
815	438332.7	3763472	6.16E-05	0.00021	9.58E-06	3.43E-05	5.16E-06	1.59E-05
816	438324.2	3763481	5.97E-05	0.000203	9.27E-06	3.32E-05	4.99E-06	1.54E-05
817	438315.8	3763490	5.77E-05	0.000197	8.97E-06	3.22E-05	4.83E-06	1.49E-05
818	438307.4	3763499	5.58E-05	0.00019	8.67E-06	3.11E-05	4.67E-06	1.44E-05
819	438298.9	3763508	5.38E-05	0.000184	8.36E-06	3.00E-05	4.50E-06	1.39E-05
820	438290.5	3763517	5.18E-05	0.000177	8.05E-06	2.89E-05	4.34E-06	1.34E-05
821	438248.3	3763563	4.18E-05	0.000143	6.50E-06	2.33E-05	3.50E-06	1.08E-05
822	438239.9	3763572	3.99E-05	0.000136	6.20E-06	2.22E-05	3.34E-06	1.03E-05
823	438231.5	3763581	3.81E-05	0.00013	5.92E-06	2.12E-05	3.19E-06	9.85E-06
824	438223	3763590	3.64E-05	0.000124	5.66E-06	2.03E-05	3.05E-06	9.41E-06
825	438214.6	3763599	3.49E-05	0.000119	5.42E-06	1.94E-05	2.92E-06	9.01E-06
826	438206.2	3763608	3.33E-05	0.000114	5.18E-06	1.86E-05	2.79E-06	8.61E-06
827	438197.7	3763617	3.18E-05	0.000109	4.95E-06	1.77E-05	2.66E-06	8.22E-06
828	438189.3	3763626	3.04E-05	0.000104	4.72E-06	1.69E-05	2.54E-06	7.85E-06

829	438180.9	3763635	2.9E-05	9.88E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
830	438172.4	3763644	2.76E-05	9.42E-05	4.29E-06	1.54E-05	2.31E-06	7.14E-06
831	437586	3762818	0.009352	0.031889	1.45E-03	5.21E-03	7.83E-04	2.42E-03
832	437586	3762808	0.009373	0.031962	1.46E-03	5.22E-03	7.85E-04	2.42E-03
833	437586	3762798	0.009339	0.031847	1.45E-03	5.20E-03	7.82E-04	2.41E-03
834	437586	3762788	0.009178	0.031297	1.43E-03	5.11E-03	7.68E-04	2.37E-03
835	437586.1	3762779	0.008886	0.030299	1.38E-03	4.95E-03	7.44E-04	2.30E-03
836	437586.1	3762769	0.008433	0.028758	1.31E-03	4.70E-03	7.06E-04	2.18E-03
837	437586.1	3762759	0.00782	0.026664	1.22E-03	4.36E-03	6.55E-04	2.02E-03
838	437586.1	3762749	0.007029	0.023967	1.09E-03	3.92E-03	5.88E-04	1.82E-03
839	437586.1	3762739	0.006048	0.020622	9.40E-04	3.37E-03	5.06E-04	1.56E-03
840	437586.1	3762730	0.005005	0.017066	7.78E-04	2.79E-03	4.19E-04	1.29E-03
841	437596	3762818	0.007747	0.026417	1.20E-03	4.32E-03	6.48E-04	2.00E-03
842	437596	3762808	0.007753	0.026437	1.20E-03	4.32E-03	6.49E-04	2.00E-03
843	437596	3762798	0.007721	0.026328	1.20E-03	4.30E-03	6.46E-04	2.00E-03
844	437596	3762788	0.007579	0.025843	1.18E-03	4.22E-03	6.34E-04	1.96E-03
845	437596.1	3762779	0.00732	0.02496	1.14E-03	4.08E-03	6.13E-04	1.89E-03
846	437596.1	3762769	0.006914	0.023577	1.07E-03	3.85E-03	5.79E-04	1.79E-03
847	437596.1	3762759	0.006388	0.021783	9.93E-04	3.56E-03	5.35E-04	1.65E-03
848	437596.1	3762749	0.005741	0.019576	8.92E-04	3.20E-03	4.81E-04	1.48E-03
849	437596.1	3762739	0.004994	0.017029	7.76E-04	2.78E-03	4.18E-04	1.29E-03
850	437596.1	3762730	0.004225	0.014407	6.57E-04	2.35E-03	3.54E-04	1.09E-03
851	437606	3762828	0.006465	0.022046	1.00E-03	3.60E-03	5.41E-04	1.67E-03
852	437606	3762818	0.006537	0.02229	1.02E-03	3.64E-03	5.47E-04	1.69E-03
853	437606	3762808	0.006528	0.022259	1.01E-03	3.64E-03	5.46E-04	1.69E-03
854	437606	3762798	0.006494	0.022143	1.01E-03	3.62E-03	5.44E-04	1.68E-03
855	437606	3762788	0.006366	0.021706	9.89E-04	3.55E-03	5.33E-04	1.64E-03
856	437606.1	3762779	0.006136	0.020925	9.53E-04	3.42E-03	5.14E-04	1.59E-03
857	437606.1	3762769	0.005778	0.019704	8.98E-04	3.22E-03	4.84E-04	1.49E-03
858	437606.1	3762759	0.00533	0.018176	8.28E-04	2.97E-03	4.46E-04	1.38E-03
859	437606.1	3762749	0.004804	0.016381	7.46E-04	2.68E-03	4.02E-04	1.24E-03
860	437606.1	3762739	0.004224	0.014405	6.56E-04	2.35E-03	3.54E-04	1.09E-03
861	437606.1	3762730	0.003638	0.012405	5.65E-04	2.03E-03	3.04E-04	9.40E-04
862	437616	3762828	0.005643	0.019241	8.77E-04	3.14E-03	4.72E-04	1.46E-03
863	437616	3762818	0.005686	0.01939	8.84E-04	3.17E-03	4.76E-04	1.47E-03
864	437616	3762808	0.005662	0.019309	8.80E-04	3.15E-03	4.74E-04	1.46E-03
865	437616	3762798	0.005618	0.019159	8.73E-04	3.13E-03	4.70E-04	1.45E-03
866	437616	3762788	0.005495	0.018737	8.54E-04	3.06E-03	4.60E-04	1.42E-03
867	437616.1	3762779	0.005284	0.018019	8.21E-04	2.94E-03	4.42E-04	1.37E-03
868	437616.1	3762769	0.004966	0.016934	7.72E-04	2.77E-03	4.16E-04	1.28E-03
869	437616.1	3762759	0.004581	0.01562	7.12E-04	2.55E-03	3.83E-04	1.18E-03
870	437616.1	3762749	0.004143	0.014127	6.44E-04	2.31E-03	3.47E-04	1.07E-03
871	437616.1	3762739	0.003679	0.012544	5.72E-04	2.05E-03	3.08E-04	9.51E-04
872	437616.1	3762730	0.003211	0.01095	4.99E-04	1.79E-03	2.69E-04	8.30E-04
873	437626	3762828	0.00502	0.017119	7.80E-04	2.80E-03	4.20E-04	1.30E-03
874	437626	3762818	0.005044	0.017201	7.84E-04	2.81E-03	4.22E-04	1.30E-03
875	437626	3762808	0.005009	0.017079	7.78E-04	2.79E-03	4.19E-04	1.29E-03
876	437626	3762798	0.004952	0.016885	7.69E-04	2.76E-03	4.14E-04	1.28E-03
877	437626	3762788	0.004827	0.01646	7.50E-04	2.69E-03	4.04E-04	1.25E-03
878	437626.1	3762779	0.00463	0.015787	7.19E-04	2.58E-03	3.88E-04	1.20E-03
879	437626.1	3762769	0.004347	0.014823	6.75E-04	2.42E-03	3.64E-04	1.12E-03
880	437626.1	3762759	0.004013	0.013683	6.24E-04	2.24E-03	3.36E-04	1.04E-03

881	437626.1	3762749	0.003641	0.012416	5.66E-04	2.03E-03	3.05E-04	9.41E-04
882	437626.1	3762739	0.003259	0.011114	5.06E-04	1.82E-03	2.73E-04	8.42E-04
883	437626.1	3762730	0.002875	0.009805	4.47E-04	1.60E-03	2.41E-04	7.43E-04
884	437636	3762828	0.004491	0.015313	6.98E-04	2.50E-03	3.76E-04	1.16E-03
885	437636	3762818	0.004498	0.01534	6.99E-04	2.51E-03	3.77E-04	1.16E-03
886	437636	3762808	0.004455	0.015191	6.92E-04	2.48E-03	3.73E-04	1.15E-03
887	437636	3762798	0.00439	0.014971	6.82E-04	2.45E-03	3.67E-04	1.13E-03
888	437636	3762789	0.004266	0.014547	6.63E-04	2.38E-03	3.57E-04	1.10E-03
889	437636.1	3762779	0.004083	0.013923	6.34E-04	2.27E-03	3.42E-04	1.06E-03
890	437636.1	3762769	0.003832	0.013068	5.95E-04	2.13E-03	3.21E-04	9.90E-04
891	437636.1	3762759	0.003543	0.01208	5.50E-04	1.97E-03	2.97E-04	9.15E-04
892	437636.1	3762749	0.003227	0.011002	5.01E-04	1.80E-03	2.70E-04	8.34E-04
893	437636.1	3762739	0.002908	0.009917	4.52E-04	1.62E-03	2.43E-04	7.51E-04
894	437636.1	3762730	0.002588	0.008825	4.02E-04	1.44E-03	2.17E-04	6.69E-04
895	437633.4	3762899	0.002904	0.009901	4.51E-04	1.62E-03	2.43E-04	7.50E-04
896	437646	3762828	0.004047	0.0138	6.29E-04	2.25E-03	3.39E-04	1.05E-03
897	437646	3762818	0.004048	0.013803	6.29E-04	2.25E-03	3.39E-04	1.05E-03
898	437646	3762808	0.004002	0.013648	6.22E-04	2.23E-03	3.35E-04	1.03E-03
899	437646	3762798	0.003931	0.013405	6.11E-04	2.19E-03	3.29E-04	1.02E-03
900	437646	3762789	0.003809	0.01299	5.92E-04	2.12E-03	3.19E-04	9.84E-04
901	437646.1	3762779	0.003638	0.012406	5.65E-04	2.03E-03	3.05E-04	9.40E-04
902	437646.1	3762769	0.003416	0.011648	5.31E-04	1.90E-03	2.86E-04	8.83E-04
903	437646.1	3762759	0.003163	0.010785	4.91E-04	1.76E-03	2.65E-04	8.17E-04
904	437646.1	3762749	0.00289	0.009855	4.49E-04	1.61E-03	2.42E-04	7.47E-04
905	437646.1	3762739	0.002614	0.008912	4.06E-04	1.46E-03	2.19E-04	6.75E-04
906	437646.1	3762730	0.002338	0.007973	3.63E-04	1.30E-03	1.96E-04	6.04E-04
907	437642	3762903	0.002616	0.00892	4.06E-04	1.46E-03	2.19E-04	6.76E-04
908	437656	3762828	0.003661	0.012482	5.69E-04	2.04E-03	3.06E-04	9.46E-04
909	437656	3762818	0.003657	0.01247	5.68E-04	2.04E-03	3.06E-04	9.45E-04
910	437656	3762808	0.003612	0.012315	5.61E-04	2.01E-03	3.02E-04	9.33E-04
911	437656	3762798	0.003535	0.012055	5.49E-04	1.97E-03	2.96E-04	9.13E-04
912	437656	3762789	0.003416	0.011649	5.31E-04	1.90E-03	2.86E-04	8.83E-04
913	437656.1	3762779	0.003257	0.011107	5.06E-04	1.81E-03	2.73E-04	8.42E-04
914	437656.1	3762769	0.00306	0.010433	4.75E-04	1.70E-03	2.56E-04	7.91E-04
915	437656.1	3762759	0.002838	0.009678	4.41E-04	1.58E-03	2.38E-04	7.33E-04
916	437656.1	3762749	0.002602	0.008872	4.04E-04	1.45E-03	2.18E-04	6.72E-04
917	437656.1	3762739	0.002359	0.008046	3.67E-04	1.31E-03	1.97E-04	6.10E-04
918	437656.1	3762730	0.00212	0.00723	3.29E-04	1.18E-03	1.77E-04	5.48E-04
919	437663.4	3762899	0.002427	0.008276	3.77E-04	1.35E-03	2.03E-04	6.27E-04
920	437658.3	3762915	0.002113	0.007204	3.28E-04	1.18E-03	1.77E-04	5.46E-04
921	437676	3762828	0.003002	0.010237	4.66E-04	1.67E-03	2.51E-04	7.76E-04
922	437676	3762818	0.002987	0.010184	4.64E-04	1.66E-03	2.50E-04	7.72E-04
923	437676	3762808	0.002939	0.01002	4.57E-04	1.64E-03	2.46E-04	7.59E-04
924	437676	3762798	0.002861	0.009755	4.44E-04	1.59E-03	2.39E-04	7.39E-04
925	437676	3762789	0.002754	0.009391	4.28E-04	1.53E-03	2.31E-04	7.12E-04
926	437676.1	3762779	0.002622	0.008939	4.07E-04	1.46E-03	2.19E-04	6.77E-04
927	437676.1	3762769	0.002467	0.008414	3.83E-04	1.37E-03	2.07E-04	6.38E-04
928	437676.1	3762759	0.002299	0.007839	3.57E-04	1.28E-03	1.92E-04	5.94E-04
929	437676.1	3762749	0.002121	0.007233	3.30E-04	1.18E-03	1.78E-04	5.48E-04
930	437676.1	3762740	0.00194	0.006616	3.01E-04	1.08E-03	1.62E-04	5.01E-04
931	437676.1	3762730	0.001762	0.006008	2.74E-04	9.81E-04	1.47E-04	4.55E-04
932	437676.1	3762720	0.001591	0.005425	2.47E-04	8.86E-04	1.33E-04	4.11E-04

933	437680.3	3762909	0.002016	0.006874	3.13E-04	1.12E-03	1.69E-04	5.21E-04
934	437677.7	3762917	0.001892	0.006452	2.94E-04	1.05E-03	1.58E-04	4.89E-04
935	437696	3762838	0.002479	0.008454	3.85E-04	1.38E-03	2.08E-04	6.41E-04
936	437696	3762828	0.00248	0.008456	3.85E-04	1.38E-03	2.08E-04	6.41E-04
937	437696	3762818	0.002456	0.008373	3.82E-04	1.37E-03	2.06E-04	6.34E-04
938	437696	3762808	0.002408	0.00821	3.74E-04	1.34E-03	2.02E-04	6.22E-04
939	437696	3762798	0.002337	0.00797	3.63E-04	1.30E-03	1.96E-04	6.04E-04
940	437696	3762789	0.002247	0.007664	3.49E-04	1.25E-03	1.88E-04	5.81E-04
941	437696.1	3762779	0.002141	0.007299	3.33E-04	1.19E-03	1.79E-04	5.53E-04
942	437696.1	3762769	0.00202	0.006889	3.14E-04	1.13E-03	1.69E-04	5.22E-04
943	437696.1	3762759	0.001891	0.006448	2.94E-04	1.05E-03	1.58E-04	4.89E-04
944	437696.1	3762749	0.001756	0.005987	2.73E-04	9.78E-04	1.47E-04	4.54E-04
945	437696.1	3762740	0.001619	0.005522	2.52E-04	9.02E-04	1.36E-04	4.18E-04
946	437696.1	3762730	0.001484	0.005062	2.31E-04	8.27E-04	1.24E-04	3.84E-04
947	437696.1	3762720	0.001354	0.004618	2.10E-04	7.54E-04	1.13E-04	3.50E-04
948	437702.5	3762902	0.001873	0.006388	2.91E-04	1.04E-03	1.57E-04	4.84E-04
949	437699.9	3762910	0.001792	0.00611	2.78E-04	9.98E-04	1.50E-04	4.63E-04
950	437697.2	3762919	0.001699	0.005793	2.64E-04	9.46E-04	1.42E-04	4.39E-04
951	437716	3762838	0.00208	0.007093	3.23E-04	1.16E-03	1.74E-04	5.37E-04
952	437716	3762828	0.002071	0.007061	3.22E-04	1.15E-03	1.73E-04	5.35E-04
953	437716	3762818	0.002043	0.006967	3.17E-04	1.14E-03	1.71E-04	5.28E-04
954	437716	3762808	0.001999	0.006816	3.11E-04	1.11E-03	1.67E-04	5.16E-04
955	437716	3762798	0.001938	0.006609	3.01E-04	1.08E-03	1.62E-04	5.01E-04
956	437716	3762789	0.001864	0.006356	2.90E-04	1.04E-03	1.56E-04	4.82E-04
957	437716.1	3762779	0.001778	0.006064	2.76E-04	9.91E-04	1.49E-04	4.59E-04
958	437716.1	3762769	0.001683	0.005739	2.62E-04	9.38E-04	1.41E-04	4.35E-04
959	437716.1	3762759	0.001582	0.005394	2.46E-04	8.81E-04	1.32E-04	4.09E-04
960	437716.1	3762749	0.001477	0.005036	2.29E-04	8.23E-04	1.24E-04	3.82E-04
961	437716.1	3762740	0.001372	0.004677	2.13E-04	7.64E-04	1.15E-04	3.54E-04
962	437716.1	3762730	0.001267	0.004321	1.97E-04	7.06E-04	1.06E-04	3.27E-04
963	437716.1	3762720	0.001166	0.003975	1.81E-04	6.49E-04	9.76E-05	3.01E-04
964	437736	3762838	0.001765	0.006017	2.74E-04	9.83E-04	1.48E-04	4.56E-04
965	437736	3762828	0.00175	0.005968	2.72E-04	9.75E-04	1.46E-04	4.52E-04
966	437736	3762818	0.001722	0.005872	2.68E-04	9.59E-04	1.44E-04	4.45E-04
967	437736	3762808	0.001682	0.005735	2.61E-04	9.37E-04	1.41E-04	4.35E-04
968	437736	3762798	0.00163	0.005558	2.53E-04	9.08E-04	1.36E-04	4.21E-04
969	437736	3762789	0.001569	0.005349	2.44E-04	8.74E-04	1.31E-04	4.05E-04
970	437736.1	3762779	0.001499	0.005111	2.33E-04	8.35E-04	1.25E-04	3.87E-04
971	437736.1	3762769	0.001423	0.004851	2.21E-04	7.93E-04	1.19E-04	3.68E-04
972	437736.1	3762759	0.001342	0.004577	2.09E-04	7.48E-04	1.12E-04	3.47E-04
973	437736.1	3762749	0.001259	0.004293	1.96E-04	7.01E-04	1.05E-04	3.25E-04
974	437736.1	3762740	0.001176	0.004011	1.83E-04	6.55E-04	9.85E-05	3.04E-04
975	437736.1	3762730	0.001094	0.00373	1.70E-04	6.09E-04	9.16E-05	2.83E-04
976	437736.1	3762720	0.001014	0.003456	1.57E-04	5.65E-04	8.48E-05	2.62E-04
977	437744.8	3762894	0.001506	0.005135	2.34E-04	8.39E-04	1.26E-04	3.89E-04
978	437742	3762903	0.001474	0.005025	2.29E-04	8.21E-04	1.23E-04	3.81E-04
979	437739.2	3762913	0.001432	0.004882	2.22E-04	7.98E-04	1.20E-04	3.70E-04
980	437736.4	3762922	0.00138	0.004706	2.14E-04	7.69E-04	1.16E-04	3.57E-04
981	437756	3762838	0.001513	0.00516	2.35E-04	8.43E-04	1.27E-04	3.91E-04
982	437756	3762828	0.001496	0.005102	2.32E-04	8.33E-04	1.25E-04	3.87E-04
983	437756	3762818	0.00147	0.005011	2.28E-04	8.19E-04	1.23E-04	3.80E-04
984	437756	3762808	0.001433	0.004885	2.23E-04	7.98E-04	1.20E-04	3.70E-04

985	437756	3762798	0.001388	0.004734	2.16E-04	7.73E-04	1.16E-04	3.59E-04
986	437756	3762789	0.001337	0.004559	2.08E-04	7.45E-04	1.12E-04	3.45E-04
987	437756.1	3762779	0.00128	0.004364	1.99E-04	7.13E-04	1.07E-04	3.31E-04
988	437756.1	3762769	0.001218	0.004152	1.89E-04	6.78E-04	1.02E-04	3.15E-04
989	437756.1	3762759	0.001153	0.00393	1.79E-04	6.42E-04	9.65E-05	2.98E-04
990	437756.1	3762749	0.001086	0.003703	1.69E-04	6.05E-04	9.09E-05	2.81E-04
991	437756.1	3762740	0.00102	0.003478	1.59E-04	5.68E-04	8.54E-05	2.64E-04
992	437756.1	3762730	0.000954	0.003254	1.48E-04	5.32E-04	7.99E-05	2.47E-04
993	437756.1	3762720	0.00089	0.003034	1.38E-04	4.96E-04	7.45E-05	2.30E-04
994	437764.6	3762895	0.001334	0.004549	2.07E-04	7.43E-04	1.12E-04	3.45E-04
995	437761.8	3762904	0.001313	0.004478	2.04E-04	7.32E-04	1.10E-04	3.39E-04
996	437758.9	3762913	0.001283	0.004376	1.99E-04	7.15E-04	1.07E-04	3.32E-04
997	437756.1	3762923	0.001245	0.004245	1.93E-04	6.93E-04	1.04E-04	3.22E-04
998	437753.3	3762932	0.001199	0.004089	1.86E-04	6.68E-04	1.00E-04	3.10E-04
999	437750.4	3762942	0.001148	0.003914	1.78E-04	6.39E-04	9.61E-05	2.97E-04
1000	437747.6	3762951	0.001091	0.003721	1.70E-04	6.08E-04	9.13E-05	2.82E-04
1001	437744.7	3762960	0.00103	0.003514	1.60E-04	5.74E-04	8.62E-05	2.66E-04
1002	437741.9	3762970	0.000968	0.003301	1.50E-04	5.39E-04	8.10E-05	2.50E-04
1003	437782.5	3762902	0.001177	0.004012	1.83E-04	6.55E-04	9.85E-05	3.04E-04
1004	437779.9	3762910	0.001161	0.00396	1.80E-04	6.47E-04	9.72E-05	3.00E-04
1005	437777.2	3762919	0.001139	0.003885	1.77E-04	6.35E-04	9.54E-05	2.94E-04
1006	437774.5	3762928	0.001111	0.003787	1.73E-04	6.19E-04	9.30E-05	2.87E-04
1007	437771.8	3762937	0.001077	0.003671	1.67E-04	6.00E-04	9.01E-05	2.78E-04
1008	437769.1	3762946	0.001038	0.003538	1.61E-04	5.78E-04	8.69E-05	2.68E-04
1009	437766.5	3762955	0.000994	0.003391	1.55E-04	5.54E-04	8.32E-05	2.57E-04
1010	437763.8	3762964	0.000947	0.003231	1.47E-04	5.28E-04	7.93E-05	2.45E-04
1011	437761.1	3762972	0.000898	0.003062	1.40E-04	5.00E-04	7.52E-05	2.32E-04
1012	437758.4	3762981	0.000847	0.002889	1.32E-04	4.72E-04	7.09E-05	2.19E-04
1013	437796	3762848	0.001153	0.003931	1.79E-04	6.42E-04	9.65E-05	2.98E-04
1014	437796	3762838	0.001142	0.003895	1.77E-04	6.36E-04	9.56E-05	2.95E-04
1015	437796	3762828	0.001125	0.003838	1.75E-04	6.27E-04	9.42E-05	2.91E-04
1016	437794.2	3762929	0.001009	0.00344	1.57E-04	5.62E-04	8.44E-05	2.61E-04
1017	437791.4	3762938	0.000983	0.003354	1.53E-04	5.48E-04	8.23E-05	2.54E-04
1018	437788.7	3762947	0.000953	0.003251	1.48E-04	5.31E-04	7.98E-05	2.46E-04
1019	437786	3762956	0.000919	0.003134	1.43E-04	5.12E-04	7.69E-05	2.37E-04
1020	437783.3	3762965	0.000881	0.003005	1.37E-04	4.91E-04	7.38E-05	2.28E-04
1021	437780.5	3762974	0.00084	0.002866	1.31E-04	4.68E-04	7.03E-05	2.17E-04
1022	437777.8	3762983	0.000798	0.00272	1.24E-04	4.44E-04	6.68E-05	2.06E-04
1023	437775.1	3762992	0.000753	0.002568	1.17E-04	4.20E-04	6.30E-05	1.95E-04
1024	437816	3762848	0.001016	0.003466	1.58E-04	5.66E-04	8.51E-05	2.63E-04
1025	437816	3762838	0.001005	0.003428	1.56E-04	5.60E-04	8.42E-05	2.60E-04
1026	437816	3762828	0.000989	0.003372	1.54E-04	5.51E-04	8.28E-05	2.55E-04
1027	437816	3762818	0.000968	0.0033	1.50E-04	5.39E-04	8.10E-05	2.50E-04
1028	437816	3762808	0.000941	0.00321	1.46E-04	5.24E-04	7.88E-05	2.43E-04
1029	437816	3762799	0.000911	0.003105	1.41E-04	5.07E-04	7.62E-05	2.35E-04
1030	437816	3762789	0.000877	0.00299	1.36E-04	4.88E-04	7.34E-05	2.27E-04
1031	437816.1	3762779	0.000841	0.002869	1.31E-04	4.69E-04	7.04E-05	2.17E-04
1032	437816.1	3762769	0.000808	0.002755	1.26E-04	4.50E-04	6.76E-05	2.09E-04
1033	437816.1	3762759	0.000774	0.002638	1.20E-04	4.31E-04	6.48E-05	2.00E-04
1034	437816.1	3762750	0.000739	0.002518	1.15E-04	4.11E-04	6.18E-05	1.91E-04
1035	437816.1	3762740	0.000702	0.002395	1.09E-04	3.91E-04	5.88E-05	1.81E-04
1036	437816.1	3762730	0.000665	0.002268	1.03E-04	3.70E-04	5.57E-05	1.72E-04

1037	437816.1	3762720	0.000628	0.002142	9.76E-05	3.50E-04	5.26E-05	1.62E-04
1038	437800.1	3762976	0.000786	0.002682	1.22E-04	4.38E-04	6.58E-05	2.03E-04
1039	437797.3	3762985	0.00075	0.002559	1.17E-04	4.18E-04	6.28E-05	1.94E-04
1040	437794.5	3762994	0.000712	0.002429	1.11E-04	3.97E-04	5.96E-05	1.84E-04
1041	437791.8	3763003	0.000673	0.002294	1.05E-04	3.75E-04	5.63E-05	1.74E-04
1042	437836	3762848	0.000901	0.003073	1.40E-04	5.02E-04	7.54E-05	2.33E-04
1043	437836	3762838	0.00089	0.003035	1.38E-04	4.96E-04	7.45E-05	2.30E-04
1044	437836	3762828	0.000875	0.002982	1.36E-04	4.87E-04	7.32E-05	2.26E-04
1045	437836	3762818	0.000856	0.002918	1.33E-04	4.77E-04	7.16E-05	2.21E-04
1046	437836	3762808	0.000834	0.002844	1.30E-04	4.65E-04	6.98E-05	2.15E-04
1047	437836	3762799	0.000809	0.002758	1.26E-04	4.51E-04	6.77E-05	2.09E-04
1048	437836	3762789	0.00078	0.00266	1.21E-04	4.35E-04	6.53E-05	2.02E-04
1049	437836.1	3762779	0.00075	0.002556	1.16E-04	4.18E-04	6.27E-05	1.94E-04
1050	437836.1	3762769	0.000722	0.002461	1.12E-04	4.02E-04	6.04E-05	1.86E-04
1051	437836.1	3762759	0.000693	0.002362	1.08E-04	3.86E-04	5.80E-05	1.79E-04
1052	437836.1	3762750	0.000661	0.002254	1.03E-04	3.68E-04	5.53E-05	1.71E-04
1053	437836.1	3762740	0.000629	0.002145	9.77E-05	3.50E-04	5.27E-05	1.63E-04
1054	437836.1	3762730	0.000597	0.002037	9.28E-05	3.33E-04	5.00E-05	1.54E-04
1055	437836.1	3762720	0.000566	0.00193	8.79E-05	3.15E-04	4.74E-05	1.46E-04
1056	437844.8	3762894	0.000854	0.002911	1.33E-04	4.75E-04	7.14E-05	2.21E-04
1057	437842	3762904	0.000853	0.002909	1.33E-04	4.75E-04	7.14E-05	2.20E-04
1058	437839.2	3762913	0.000851	0.002902	1.32E-04	4.74E-04	7.12E-05	2.20E-04
1059	437836.4	3762922	0.000845	0.002882	1.31E-04	4.71E-04	7.07E-05	2.18E-04
1060	437833.6	3762931	0.000836	0.002849	1.30E-04	4.65E-04	6.99E-05	2.16E-04
1061	437830.8	3762940	0.000823	0.002806	1.28E-04	4.58E-04	6.89E-05	2.13E-04
1062	437828	3762950	0.000806	0.00275	1.25E-04	4.49E-04	6.75E-05	2.08E-04
1063	437825.2	3762959	0.000787	0.002683	1.22E-04	4.38E-04	6.59E-05	2.03E-04
1064	437822.4	3762968	0.000763	0.002601	1.19E-04	4.25E-04	6.39E-05	1.97E-04
1065	437819.6	3762977	0.000736	0.002508	1.14E-04	4.10E-04	6.16E-05	1.90E-04
1066	437816.8	3762986	0.000705	0.002405	1.10E-04	3.93E-04	5.90E-05	1.82E-04
1067	437856	3762848	0.000803	0.002739	1.25E-04	4.47E-04	6.72E-05	2.08E-04
1068	437856	3762838	0.000792	0.002702	1.23E-04	4.41E-04	6.63E-05	2.05E-04
1069	437856	3762828	0.000778	0.002654	1.21E-04	4.34E-04	6.51E-05	2.01E-04
1070	437856	3762818	0.000761	0.002597	1.18E-04	4.24E-04	6.37E-05	1.97E-04
1071	437856	3762808	0.000742	0.002531	1.15E-04	4.13E-04	6.21E-05	1.92E-04
1072	437856	3762799	0.000721	0.002458	1.12E-04	4.02E-04	6.03E-05	1.86E-04
1073	437856	3762789	0.000698	0.002379	1.08E-04	3.89E-04	5.84E-05	1.80E-04
1074	437856.1	3762779	0.000673	0.002295	1.05E-04	3.75E-04	5.63E-05	1.74E-04
1075	437856.1	3762769	0.000647	0.002207	1.01E-04	3.61E-04	5.42E-05	1.67E-04
1076	437856.1	3762759	0.000621	0.002117	9.65E-05	3.46E-04	5.20E-05	1.60E-04
1077	437856.1	3762750	0.000594	0.002025	9.23E-05	3.31E-04	4.97E-05	1.53E-04
1078	437856.1	3762740	0.000567	0.001933	8.81E-05	3.16E-04	4.74E-05	1.46E-04
1079	437856.1	3762730	0.000539	0.00184	8.38E-05	3.01E-04	4.52E-05	1.39E-04
1080	437856.1	3762720	0.000512	0.001747	7.96E-05	2.85E-04	4.29E-05	1.32E-04
1081	437874.9	3762894	0.000732	0.002497	1.14E-04	4.08E-04	6.13E-05	1.89E-04
1082	437872.1	3762903	0.000734	0.002505	1.14E-04	4.09E-04	6.15E-05	1.90E-04
1083	437869.4	3762912	0.000735	0.002507	1.14E-04	4.09E-04	6.15E-05	1.90E-04
1084	437866.6	3762921	0.000733	0.002499	1.14E-04	4.08E-04	6.13E-05	1.89E-04
1085	437863.8	3762930	0.000728	0.002482	1.13E-04	4.06E-04	6.09E-05	1.88E-04
1086	437861.1	3762940	0.000721	0.002458	1.12E-04	4.02E-04	6.03E-05	1.86E-04
1087	437858.3	3762949	0.000711	0.002423	1.10E-04	3.96E-04	5.95E-05	1.84E-04
1088	437855.5	3762958	0.000697	0.002377	1.08E-04	3.88E-04	5.84E-05	1.80E-04

1089	437852.8	3762967	0.000682	0.002326	1.06E-04	3.80E-04	5.71E-05	1.76E-04
1090	437850	3762976	0.000665	0.002268	1.03E-04	3.71E-04	5.57E-05	1.72E-04
1091	437847.2	3762985	0.000646	0.002203	1.00E-04	3.60E-04	5.41E-05	1.67E-04
1092	437844.5	3762994	0.000624	0.002128	9.70E-05	3.48E-04	5.22E-05	1.61E-04
1093	437841.7	3763003	0.0006	0.002045	9.32E-05	3.34E-04	5.02E-05	1.55E-04
1094	437838.9	3763013	0.000574	0.001958	8.92E-05	3.20E-04	4.81E-05	1.48E-04
1095	437836.2	3763022	0.000547	0.001867	8.51E-05	3.05E-04	4.58E-05	1.41E-04
1096	437833.4	3763031	0.00052	0.001775	8.09E-05	2.90E-04	4.36E-05	1.34E-04
1097	437886	3762848	0.000682	0.002326	1.06E-04	3.80E-04	5.71E-05	1.76E-04
1098	437886	3762838	0.000672	0.002292	1.04E-04	3.74E-04	5.63E-05	1.74E-04
1099	437886	3762828	0.00066	0.00225	1.03E-04	3.68E-04	5.52E-05	1.71E-04
1100	437886	3762818	0.000646	0.002202	1.00E-04	3.60E-04	5.40E-05	1.67E-04
1101	437886	3762808	0.00063	0.002147	9.78E-05	3.51E-04	5.27E-05	1.63E-04
1102	437886	3762799	0.000613	0.002089	9.52E-05	3.41E-04	5.13E-05	1.58E-04
1103	437886	3762789	0.000594	0.002027	9.24E-05	3.31E-04	4.98E-05	1.54E-04
1104	437886.1	3762779	0.000575	0.00196	8.93E-05	3.20E-04	4.81E-05	1.49E-04
1105	437886.1	3762769	0.000554	0.00189	8.61E-05	3.09E-04	4.64E-05	1.43E-04
1106	437886.1	3762759	0.000533	0.001817	8.28E-05	2.97E-04	4.46E-05	1.38E-04
1107	437886.1	3762750	0.000511	0.001742	7.94E-05	2.85E-04	4.28E-05	1.32E-04
1108	437886.1	3762740	0.000489	0.001668	7.60E-05	2.72E-04	4.09E-05	1.26E-04
1109	437886.1	3762730	0.000467	0.001593	7.26E-05	2.60E-04	3.91E-05	1.21E-04
1110	437886.1	3762720	0.000445	0.001519	6.92E-05	2.48E-04	3.73E-05	1.15E-04
1111	437905	3762894	0.000632	0.002156	9.82E-05	3.52E-04	5.29E-05	1.63E-04
1112	437902.2	3762903	0.000637	0.002171	9.89E-05	3.55E-04	5.33E-05	1.65E-04
1113	437899.5	3762912	0.00064	0.002181	9.94E-05	3.56E-04	5.35E-05	1.65E-04
1114	437896.7	3762921	0.00064	0.002183	9.95E-05	3.57E-04	5.36E-05	1.65E-04
1115	437872.1	3763002	0.000556	0.001895	8.64E-05	3.10E-04	4.65E-05	1.44E-04
1116	437869.3	3763011	0.000538	0.001833	8.35E-05	2.99E-04	4.50E-05	1.39E-04
1117	437866.6	3763020	0.000518	0.001766	8.05E-05	2.88E-04	4.33E-05	1.34E-04
1118	437916	3762848	0.000585	0.001995	9.09E-05	3.26E-04	4.90E-05	1.51E-04
1119	437916	3762838	0.000576	0.001964	8.95E-05	3.21E-04	4.82E-05	1.49E-04
1120	437916	3762828	0.000566	0.001929	8.79E-05	3.15E-04	4.73E-05	1.46E-04
1121	437916	3762818	0.000554	0.001888	8.60E-05	3.08E-04	4.63E-05	1.43E-04
1122	437916	3762809	0.00054	0.001843	8.40E-05	3.01E-04	4.52E-05	1.40E-04
1123	437916	3762799	0.000527	0.001795	8.18E-05	2.93E-04	4.41E-05	1.36E-04
1124	437916	3762789	0.000512	0.001744	7.95E-05	2.85E-04	4.28E-05	1.32E-04
1125	437916.1	3762779	0.000496	0.00169	7.70E-05	2.76E-04	4.15E-05	1.28E-04
1126	437916.1	3762769	0.000479	0.001633	7.44E-05	2.67E-04	4.01E-05	1.24E-04
1127	437916.1	3762759	0.000461	0.001573	7.17E-05	2.57E-04	3.86E-05	1.19E-04
1128	437916.1	3762750	0.000444	0.001513	6.89E-05	2.47E-04	3.71E-05	1.15E-04
1129	437916.1	3762740	0.000426	0.001452	6.62E-05	2.37E-04	3.57E-05	1.10E-04
1130	437916.1	3762730	0.000408	0.001392	6.34E-05	2.27E-04	3.42E-05	1.05E-04
1131	437916.1	3762720	0.00039	0.001331	6.06E-05	2.17E-04	3.27E-05	1.01E-04
1132	437934.6	3762895	0.000549	0.001874	8.54E-05	3.06E-04	4.60E-05	1.42E-04
1133	437931.7	3762904	0.000555	0.001891	8.62E-05	3.09E-04	4.64E-05	1.43E-04
1134	437928.9	3762914	0.000559	0.001906	8.68E-05	3.11E-04	4.68E-05	1.44E-04
1135	437926.1	3762923	0.000561	0.001914	8.72E-05	3.13E-04	4.70E-05	1.45E-04
1136	437914.7	3762961	0.000553	0.001885	8.59E-05	3.08E-04	4.63E-05	1.43E-04
1137	437911.8	3762970	0.000546	0.001863	8.49E-05	3.04E-04	4.57E-05	1.41E-04
1138	437909	3762979	0.000538	0.001834	8.35E-05	3.00E-04	4.50E-05	1.39E-04
1139	437906.2	3762989	0.000527	0.001798	8.19E-05	2.94E-04	4.41E-05	1.36E-04
1140	437903.3	3762998	0.000516	0.001761	8.02E-05	2.88E-04	4.32E-05	1.33E-04

1141	437900.5	3763008	0.000504	0.001717	7.82E-05	2.81E-04	4.21E-05	1.30E-04
1142	437889.1	3763045	0.000438	0.001494	6.81E-05	2.44E-04	3.67E-05	1.13E-04
1143	437886.3	3763054	0.000419	0.001429	6.51E-05	2.33E-04	3.51E-05	1.08E-04
1144	437883.4	3763064	0.000399	0.001361	6.20E-05	2.22E-04	3.34E-05	1.03E-04
1145	437946	3762848	0.000507	0.001729	7.88E-05	2.82E-04	4.24E-05	1.31E-04
1146	437946	3762838	0.000499	0.001702	7.75E-05	2.78E-04	4.18E-05	1.29E-04
1147	437946	3762828	0.00049	0.001671	7.61E-05	2.73E-04	4.10E-05	1.27E-04
1148	437946	3762818	0.00048	0.001636	7.45E-05	2.67E-04	4.01E-05	1.24E-04
1149	437946	3762809	0.000469	0.001598	7.28E-05	2.61E-04	3.92E-05	1.21E-04
1150	437946	3762799	0.000457	0.001557	7.10E-05	2.54E-04	3.82E-05	1.18E-04
1151	437946	3762789	0.000444	0.001514	6.90E-05	2.47E-04	3.72E-05	1.15E-04
1152	437946.1	3762779	0.000431	0.001469	6.69E-05	2.40E-04	3.61E-05	1.11E-04
1153	437946.1	3762769	0.000417	0.001422	6.48E-05	2.32E-04	3.49E-05	1.08E-04
1154	437946.1	3762760	0.000403	0.001374	6.26E-05	2.24E-04	3.37E-05	1.04E-04
1155	437946.1	3762750	0.000388	0.001324	6.03E-05	2.16E-04	3.25E-05	1.00E-04
1156	437946.1	3762740	0.000374	0.001275	5.81E-05	2.08E-04	3.13E-05	9.66E-05
1157	437946.1	3762730	0.000359	0.001225	5.58E-05	2.00E-04	3.01E-05	9.28E-05
1158	437946.1	3762720	0.000345	0.001175	5.36E-05	1.92E-04	2.88E-05	8.91E-05
1159	437945	3762960	0.000495	0.001689	7.69E-05	2.76E-04	4.14E-05	1.28E-04
1160	437942.2	3762969	0.000492	0.001678	7.65E-05	2.74E-04	4.12E-05	1.27E-04
1161	437939.3	3762978	0.000487	0.001662	7.57E-05	2.72E-04	4.08E-05	1.26E-04
1162	437936.5	3762988	0.000481	0.001641	7.48E-05	2.68E-04	4.03E-05	1.24E-04
1163	437933.7	3762997	0.000474	0.001615	7.36E-05	2.64E-04	3.96E-05	1.22E-04
1164	437930.9	3763006	0.000465	0.001585	7.22E-05	2.59E-04	3.89E-05	1.20E-04
1165	437919.6	3763043	0.000416	0.001417	6.46E-05	2.32E-04	3.48E-05	1.07E-04
1166	437916.8	3763053	0.000401	0.001367	6.23E-05	2.23E-04	3.35E-05	1.04E-04
1167	437914	3763062	0.000385	0.001313	5.98E-05	2.14E-04	3.22E-05	9.95E-05
1168	437911.2	3763071	0.000369	0.001258	5.73E-05	2.05E-04	3.09E-05	9.53E-05
1169	437908.4	3763081	0.000352	0.001201	5.47E-05	1.96E-04	2.95E-05	9.10E-05
1170	437992	3762904	0.00043	0.001466	6.68E-05	2.39E-04	3.60E-05	1.11E-04
1171	437989.2	3762913	0.000435	0.001484	6.76E-05	2.42E-04	3.64E-05	1.12E-04
1172	437986.4	3762922	0.000439	0.001498	6.83E-05	2.45E-04	3.68E-05	1.14E-04
1173	437983.6	3762931	0.000442	0.001508	6.87E-05	2.46E-04	3.70E-05	1.14E-04
1174	437980.8	3762941	0.000444	0.001516	6.91E-05	2.48E-04	3.72E-05	1.15E-04
1175	437978	3762950	0.000446	0.001519	6.92E-05	2.48E-04	3.73E-05	1.15E-04
1176	437975.2	3762959	0.000446	0.001519	6.92E-05	2.48E-04	3.73E-05	1.15E-04
1177	437950.1	3763042	0.00039	0.00133	6.06E-05	2.17E-04	3.26E-05	1.01E-04
1178	437947.3	3763051	0.000378	0.00129	5.88E-05	2.11E-04	3.17E-05	9.77E-05
1179	437944.5	3763060	0.000366	0.001248	5.69E-05	2.04E-04	3.06E-05	9.46E-05
1180	437941.7	3763070	0.000353	0.001204	5.49E-05	1.97E-04	2.96E-05	9.12E-05
1181	437938.9	3763079	0.00034	0.001159	5.28E-05	1.89E-04	2.84E-05	8.78E-05
1182	437936.1	3763088	0.000326	0.001112	5.07E-05	1.82E-04	2.73E-05	8.42E-05
1183	437933.3	3763097	0.000312	0.001064	4.85E-05	1.74E-04	2.61E-05	8.06E-05
1184	438006	3762838	0.000382	0.001301	5.93E-05	2.13E-04	3.19E-05	9.86E-05
1185	438006	3762828	0.000376	0.001282	5.84E-05	2.09E-04	3.15E-05	9.72E-05
1186	438006	3762818	0.000369	0.001259	5.74E-05	2.06E-04	3.09E-05	9.54E-05
1187	438006	3762809	0.000361	0.001232	5.61E-05	2.01E-04	3.02E-05	9.33E-05
1188	438006	3762799	0.000353	0.001203	5.48E-05	1.96E-04	2.95E-05	9.11E-05
1189	438006	3762789	0.000344	0.001172	5.34E-05	1.91E-04	2.88E-05	8.88E-05
1190	438006.1	3762779	0.000334	0.00114	5.20E-05	1.86E-04	2.80E-05	8.64E-05
1191	438006.1	3762769	0.000325	0.001107	5.04E-05	1.81E-04	2.72E-05	8.39E-05
1192	438006.1	3762760	0.000315	0.001073	4.89E-05	1.75E-04	2.63E-05	8.13E-05

1193	438006.1	3762750	0.000305	0.001039	4.73E-05	1.70E-04	2.55E-05	7.87E-05
1194	438006.1	3762740	0.000294	0.001004	4.58E-05	1.64E-04	2.46E-05	7.61E-05
1195	438006.1	3762730	0.000284	0.00097	4.42E-05	1.58E-04	2.38E-05	7.35E-05
1196	438006.1	3762720	0.000274	0.000935	4.26E-05	1.53E-04	2.30E-05	7.08E-05
1197	438022.1	3762903	0.000383	0.001306	5.95E-05	2.13E-04	3.21E-05	9.90E-05
1198	438019.3	3762913	0.000388	0.001325	6.04E-05	2.16E-04	3.25E-05	1.00E-04
1199	438016.5	3762922	0.000393	0.001341	6.11E-05	2.19E-04	3.29E-05	1.02E-04
1200	438013.8	3762931	0.000397	0.001354	6.17E-05	2.21E-04	3.32E-05	1.03E-04
1201	438011	3762940	0.000399	0.001362	6.21E-05	2.23E-04	3.34E-05	1.03E-04
1202	438008.2	3762949	0.000401	0.001368	6.23E-05	2.23E-04	3.36E-05	1.04E-04
1203	438005.4	3762958	0.000402	0.00137	6.24E-05	2.24E-04	3.36E-05	1.04E-04
1204	438002.7	3762968	0.000402	0.00137	6.24E-05	2.24E-04	3.36E-05	1.04E-04
1205	437999.9	3762977	0.000401	0.001367	6.23E-05	2.23E-04	3.36E-05	1.04E-04
1206	437997.1	3762986	0.000399	0.001361	6.20E-05	2.22E-04	3.34E-05	1.03E-04
1207	437994.3	3762995	0.000396	0.001351	6.15E-05	2.21E-04	3.32E-05	1.02E-04
1208	437991.6	3763004	0.000392	0.001336	6.09E-05	2.18E-04	3.28E-05	1.01E-04
1209	437988.8	3763013	0.000387	0.001319	6.01E-05	2.15E-04	3.24E-05	9.99E-05
1210	437986	3763022	0.00038	0.001297	5.91E-05	2.12E-04	3.18E-05	9.83E-05
1211	437983.2	3763032	0.000372	0.001269	5.78E-05	2.07E-04	3.11E-05	9.62E-05
1212	437980.5	3763041	0.000363	0.001239	5.65E-05	2.02E-04	3.04E-05	9.39E-05
1213	437977.7	3763050	0.000354	0.001207	5.50E-05	1.97E-04	2.96E-05	9.15E-05
1214	437974.9	3763059	0.000345	0.001176	5.36E-05	1.92E-04	2.89E-05	8.91E-05
1215	438036	3762838	0.00034	0.001159	5.28E-05	1.89E-04	2.84E-05	8.78E-05
1216	438036	3762828	0.000334	0.00114	5.19E-05	1.86E-04	2.80E-05	8.64E-05
1217	438036	3762819	0.000328	0.001117	5.09E-05	1.82E-04	2.74E-05	8.46E-05
1218	438036	3762809	0.000321	0.001093	4.98E-05	1.79E-04	2.68E-05	8.29E-05
1219	438036	3762799	0.000313	0.001069	4.87E-05	1.75E-04	2.62E-05	8.10E-05
1220	438036	3762789	0.000306	0.001043	4.75E-05	1.70E-04	2.56E-05	7.90E-05
1221	438036.1	3762779	0.000298	0.001015	4.63E-05	1.66E-04	2.49E-05	7.69E-05
1222	438036.1	3762769	0.00029	0.000987	4.50E-05	1.61E-04	2.42E-05	7.48E-05
1223	438036.1	3762760	0.000281	0.000959	4.37E-05	1.57E-04	2.35E-05	7.26E-05
1224	438036.1	3762750	0.000273	0.000929	4.23E-05	1.52E-04	2.28E-05	7.04E-05
1225	438036.1	3762740	0.000264	0.0009	4.10E-05	1.47E-04	2.21E-05	6.82E-05
1226	438036.1	3762730	0.000255	0.000871	3.97E-05	1.42E-04	2.14E-05	6.60E-05
1227	438036.1	3762720	0.000247	0.000841	3.83E-05	1.37E-04	2.06E-05	6.37E-05
1228	438052.2	3762903	0.000343	0.001171	5.33E-05	1.91E-04	2.87E-05	8.87E-05
1229	438049.4	3762912	0.000348	0.001187	5.41E-05	1.94E-04	2.91E-05	9.00E-05
1230	438046.6	3762921	0.000352	0.001202	5.48E-05	1.96E-04	2.95E-05	9.11E-05
1231	438035.6	3762958	0.000363	0.001237	5.63E-05	2.02E-04	3.04E-05	9.37E-05
1232	438032.9	3762967	0.000363	0.001239	5.65E-05	2.02E-04	3.04E-05	9.39E-05
1233	438030.1	3762976	0.000363	0.001239	5.65E-05	2.02E-04	3.04E-05	9.39E-05
1234	438027.3	3762985	0.000363	0.001237	5.63E-05	2.02E-04	3.04E-05	9.37E-05
1235	438024.6	3762994	0.000361	0.001231	5.61E-05	2.01E-04	3.02E-05	9.32E-05
1236	438021.8	3763003	0.000358	0.001221	5.57E-05	2.00E-04	3.00E-05	9.26E-05
1237	438019.1	3763012	0.000355	0.00121	5.51E-05	1.98E-04	2.97E-05	9.17E-05
1238	438016.3	3763021	0.00035	0.001195	5.45E-05	1.95E-04	2.93E-05	9.06E-05
1239	438013.6	3763031	0.000344	0.001174	5.35E-05	1.92E-04	2.88E-05	8.89E-05
1240	438010.8	3763040	0.000337	0.00115	5.24E-05	1.88E-04	2.82E-05	8.71E-05
1241	438008	3763049	0.000331	0.001129	5.14E-05	1.84E-04	2.77E-05	8.55E-05
1242	438005.3	3763058	0.000324	0.001104	5.03E-05	1.80E-04	2.71E-05	8.36E-05
1243	438002.5	3763067	0.000316	0.001078	4.91E-05	1.76E-04	2.65E-05	8.17E-05
1244	437999.8	3763076	0.000308	0.00105	4.78E-05	1.71E-04	2.58E-05	7.95E-05

1245	437997	3763085	0.000299	0.001021	4.65E-05	1.67E-04	2.51E-05	7.74E-05
1246	437994.3	3763094	0.000291	0.000991	4.52E-05	1.62E-04	2.43E-05	7.51E-05
1247	437991.5	3763103	0.000281	0.00096	4.37E-05	1.57E-04	2.36E-05	7.27E-05
1248	437988.8	3763112	0.000272	0.000928	4.23E-05	1.52E-04	2.28E-05	7.03E-05
1249	437986	3763121	0.000262	0.000894	4.07E-05	1.46E-04	2.19E-05	6.78E-05
1250	437983.2	3763131	0.000252	0.00086	3.92E-05	1.40E-04	2.11E-05	6.52E-05
1251	438066	3762838	0.000303	0.001034	4.71E-05	1.69E-04	2.54E-05	7.84E-05
1252	438066	3762828	0.000298	0.001017	4.63E-05	1.66E-04	2.50E-05	7.71E-05
1253	438066	3762819	0.000293	0.000997	4.54E-05	1.63E-04	2.45E-05	7.56E-05
1254	438066	3762809	0.000287	0.000977	4.45E-05	1.60E-04	2.40E-05	7.40E-05
1255	438066	3762799	0.00028	0.000956	4.35E-05	1.56E-04	2.35E-05	7.24E-05
1256	438066	3762789	0.000274	0.000933	4.25E-05	1.52E-04	2.29E-05	7.07E-05
1257	438066.1	3762779	0.000267	0.00091	4.15E-05	1.49E-04	2.23E-05	6.89E-05
1258	438066.1	3762770	0.00026	0.000886	4.04E-05	1.45E-04	2.17E-05	6.71E-05
1259	438066.1	3762760	0.000253	0.000861	3.93E-05	1.41E-04	2.11E-05	6.53E-05
1260	438066.1	3762750	0.000245	0.000837	3.81E-05	1.37E-04	2.05E-05	6.34E-05
1261	438066.1	3762740	0.000238	0.000811	3.70E-05	1.33E-04	1.99E-05	6.15E-05
1262	438066.1	3762730	0.000231	0.000786	3.58E-05	1.28E-04	1.93E-05	5.96E-05
1263	438066.1	3762720	0.000223	0.000761	3.47E-05	1.24E-04	1.87E-05	5.77E-05
1264	438081.8	3762904	0.000309	0.001055	4.81E-05	1.72E-04	2.59E-05	7.99E-05
1265	438079	3762914	0.000314	0.00107	4.88E-05	1.75E-04	2.63E-05	8.11E-05
1266	438076.1	3762923	0.000318	0.001084	4.94E-05	1.77E-04	2.66E-05	8.21E-05
1267	438067.7	3762951	0.000326	0.00111	5.06E-05	1.81E-04	2.72E-05	8.41E-05
1268	438064.8	3762960	0.000327	0.001115	5.08E-05	1.82E-04	2.74E-05	8.45E-05
1269	438062	3762970	0.000328	0.001117	5.09E-05	1.83E-04	2.74E-05	8.47E-05
1270	438059.2	3762979	0.000328	0.001118	5.09E-05	1.83E-04	2.74E-05	8.47E-05
1271	438056.4	3762988	0.000327	0.001117	5.09E-05	1.82E-04	2.74E-05	8.46E-05
1272	438053.5	3762998	0.000326	0.001113	5.07E-05	1.82E-04	2.73E-05	8.44E-05
1273	438050.7	3763007	0.000325	0.001107	5.05E-05	1.81E-04	2.72E-05	8.39E-05
1274	438039.4	3763044	0.00031	0.001058	4.82E-05	1.73E-04	2.60E-05	8.02E-05
1275	438036.6	3763054	0.000305	0.001039	4.74E-05	1.70E-04	2.55E-05	7.87E-05
1276	438033.7	3763063	0.000299	0.00102	4.65E-05	1.67E-04	2.50E-05	7.73E-05
1277	438030.9	3763072	0.000293	0.000998	4.55E-05	1.63E-04	2.45E-05	7.56E-05
1278	438028.1	3763082	0.000286	0.000974	4.44E-05	1.59E-04	2.39E-05	7.38E-05
1279	438025.2	3763091	0.000279	0.000951	4.33E-05	1.55E-04	2.33E-05	7.21E-05
1280	438022.4	3763100	0.000271	0.000926	4.22E-05	1.51E-04	2.27E-05	7.01E-05
1281	438019.6	3763110	0.000264	0.000899	4.09E-05	1.47E-04	2.21E-05	6.81E-05
1282	438016.8	3763119	0.000255	0.000871	3.97E-05	1.42E-04	2.14E-05	6.60E-05
1283	438013.9	3763128	0.000247	0.000842	3.84E-05	1.38E-04	2.07E-05	6.38E-05
1284	438011.1	3763138	0.000238	0.000812	3.70E-05	1.33E-04	1.99E-05	6.15E-05
1285	438008.3	3763147	0.000229	0.000782	3.56E-05	1.28E-04	1.92E-05	5.93E-05
1286	438096	3762838	0.000272	0.000929	4.23E-05	1.52E-04	2.28E-05	7.04E-05
1287	438096	3762828	0.000268	0.000913	4.16E-05	1.49E-04	2.24E-05	6.92E-05
1288	438096	3762819	0.000263	0.000896	4.08E-05	1.46E-04	2.20E-05	6.79E-05
1289	438096	3762809	0.000258	0.000878	4.00E-05	1.43E-04	2.16E-05	6.66E-05
1290	438096	3762799	0.000252	0.00086	3.92E-05	1.40E-04	2.11E-05	6.51E-05
1291	438096	3762789	0.000246	0.00084	3.83E-05	1.37E-04	2.06E-05	6.37E-05
1292	438096.1	3762779	0.00024	0.00082	3.74E-05	1.34E-04	2.01E-05	6.21E-05
1293	438096.1	3762770	0.000234	0.000799	3.64E-05	1.31E-04	1.96E-05	6.06E-05
1294	438096.1	3762760	0.000228	0.000778	3.54E-05	1.27E-04	1.91E-05	5.89E-05
1295	438096.1	3762750	0.000222	0.000756	3.45E-05	1.24E-04	1.86E-05	5.73E-05
1296	438096.1	3762740	0.000216	0.000735	3.35E-05	1.20E-04	1.80E-05	5.57E-05

1297	438096.1	3762730	0.000209	0.000713	3.25E-05	1.17E-04	1.75E-05	5.40E-05
1298	438096.1	3762721	0.000203	0.000692	3.15E-05	1.13E-04	1.70E-05	5.24E-05
1299	438111.9	3762904	0.000279	0.000951	4.33E-05	1.55E-04	2.33E-05	7.20E-05
1300	438109.1	3762913	0.000283	0.000965	4.40E-05	1.58E-04	2.37E-05	7.31E-05
1301	438106.3	3762923	0.000287	0.000977	4.45E-05	1.60E-04	2.40E-05	7.41E-05
1302	438097.9	3762951	0.000295	0.001005	4.58E-05	1.64E-04	2.47E-05	7.62E-05
1303	438095	3762960	0.000296	0.001011	4.61E-05	1.65E-04	2.48E-05	7.66E-05
1304	438092.2	3762969	0.000298	0.001015	4.62E-05	1.66E-04	2.49E-05	7.69E-05
1305	438089.4	3762978	0.000298	0.001017	4.63E-05	1.66E-04	2.50E-05	7.70E-05
1306	438086.6	3762988	0.000298	0.001017	4.63E-05	1.66E-04	2.50E-05	7.71E-05
1307	438083.8	3762997	0.000298	0.001016	4.63E-05	1.66E-04	2.49E-05	7.70E-05
1308	438081	3763006	0.000297	0.001012	4.61E-05	1.65E-04	2.48E-05	7.67E-05
1309	438078.2	3763015	0.000295	0.001007	4.59E-05	1.65E-04	2.47E-05	7.63E-05
1310	438069.8	3763043	0.000287	0.000979	4.46E-05	1.60E-04	2.40E-05	7.42E-05
1311	438066.9	3763052	0.000284	0.00097	4.42E-05	1.58E-04	2.38E-05	7.35E-05
1312	438064.1	3763062	0.00028	0.000956	4.36E-05	1.56E-04	2.35E-05	7.25E-05
1313	438061.3	3763071	0.000275	0.000937	4.27E-05	1.53E-04	2.30E-05	7.10E-05
1314	438058.5	3763080	0.00027	0.000921	4.20E-05	1.50E-04	2.26E-05	6.98E-05
1315	438055.7	3763090	0.000265	0.000902	4.11E-05	1.47E-04	2.21E-05	6.84E-05
1316	438052.9	3763099	0.000259	0.000882	4.02E-05	1.44E-04	2.17E-05	6.68E-05
1317	438126	3762838	0.000246	0.000838	3.82E-05	1.37E-04	2.06E-05	6.35E-05
1318	438126	3762828	0.000242	0.000824	3.75E-05	1.35E-04	2.02E-05	6.24E-05
1319	438126	3762819	0.000237	0.000808	3.68E-05	1.32E-04	1.98E-05	6.12E-05
1320	438126	3762809	0.000232	0.000792	3.61E-05	1.29E-04	1.95E-05	6.00E-05
1321	438126	3762799	0.000228	0.000776	3.54E-05	1.27E-04	1.90E-05	5.88E-05
1322	438126	3762789	0.000223	0.000759	3.46E-05	1.24E-04	1.86E-05	5.75E-05
1323	438126.1	3762779	0.000217	0.000742	3.38E-05	1.21E-04	1.82E-05	5.62E-05
1324	438126.1	3762770	0.000212	0.000723	3.30E-05	1.18E-04	1.78E-05	5.48E-05
1325	438126.1	3762760	0.000207	0.000705	3.21E-05	1.15E-04	1.73E-05	5.34E-05
1326	438126.1	3762750	0.000201	0.000686	3.13E-05	1.12E-04	1.68E-05	5.20E-05
1327	438126.1	3762740	0.000196	0.000668	3.04E-05	1.09E-04	1.64E-05	5.06E-05
1328	438126.1	3762730	0.00019	0.000649	2.96E-05	1.06E-04	1.59E-05	4.92E-05
1329	438126.1	3762721	0.000185	0.00063	2.87E-05	1.03E-04	1.55E-05	4.78E-05
1330	438142	3762904	0.000252	0.00086	3.92E-05	1.40E-04	2.11E-05	6.51E-05
1331	438139.2	3762913	0.000256	0.000874	3.98E-05	1.43E-04	2.14E-05	6.62E-05
1332	438136.4	3762922	0.00026	0.000886	4.04E-05	1.45E-04	2.17E-05	6.71E-05
1333	438116.8	3762987	0.000273	0.000932	4.25E-05	1.52E-04	2.29E-05	7.06E-05
1334	438114.1	3762996	0.000273	0.000932	4.25E-05	1.52E-04	2.29E-05	7.06E-05
1335	438111.3	3763005	0.000273	0.000932	4.25E-05	1.52E-04	2.29E-05	7.06E-05
1336	438108.5	3763015	0.000272	0.000929	4.23E-05	1.52E-04	2.28E-05	7.04E-05
1337	438100.1	3763042	0.000268	0.000913	4.16E-05	1.49E-04	2.24E-05	6.91E-05
1338	438097.3	3763051	0.000265	0.000904	4.12E-05	1.48E-04	2.22E-05	6.85E-05
1339	438094.5	3763061	0.000262	0.000894	4.07E-05	1.46E-04	2.19E-05	6.77E-05
1340	438091.7	3763070	0.000259	0.000882	4.02E-05	1.44E-04	2.16E-05	6.68E-05
1341	438088.9	3763079	0.000255	0.000868	3.96E-05	1.42E-04	2.13E-05	6.58E-05
1342	438086.1	3763088	0.00025	0.000854	3.89E-05	1.40E-04	2.10E-05	6.47E-05
1343	438083.3	3763097	0.000246	0.000838	3.82E-05	1.37E-04	2.06E-05	6.35E-05
1344	438072.2	3763134	0.000223	0.000761	3.47E-05	1.24E-04	1.87E-05	5.77E-05
1345	438069.4	3763143	0.000217	0.00074	3.37E-05	1.21E-04	1.82E-05	5.60E-05
1346	438066.6	3763153	0.00021	0.000717	3.27E-05	1.17E-04	1.76E-05	5.44E-05
1347	438063.8	3763162	0.000204	0.000695	3.17E-05	1.14E-04	1.71E-05	5.27E-05
1348	438061	3763171	0.000197	0.000672	3.06E-05	1.10E-04	1.65E-05	5.09E-05

1349	438058.2	3763180	0.000191	0.000651	2.97E-05	1.06E-04	1.60E-05	4.93E-05
1350	438156	3762838	0.000222	0.000757	3.45E-05	1.24E-04	1.86E-05	5.74E-05
1351	438156	3762829	0.000218	0.000745	3.39E-05	1.22E-04	1.83E-05	5.64E-05
1352	438156	3762819	0.000214	0.000731	3.33E-05	1.19E-04	1.79E-05	5.54E-05
1353	438156	3762809	0.00021	0.000717	3.27E-05	1.17E-04	1.76E-05	5.43E-05
1354	438156	3762799	0.000206	0.000703	3.20E-05	1.15E-04	1.72E-05	5.32E-05
1355	438156	3762789	0.000202	0.000688	3.13E-05	1.12E-04	1.69E-05	5.21E-05
1356	438156.1	3762779	0.000197	0.000673	3.07E-05	1.10E-04	1.65E-05	5.10E-05
1357	438156.1	3762770	0.000193	0.000657	2.99E-05	1.07E-04	1.61E-05	4.98E-05
1358	438156.1	3762760	0.000188	0.000641	2.92E-05	1.05E-04	1.57E-05	4.86E-05
1359	438156.1	3762750	0.000183	0.000625	2.85E-05	1.02E-04	1.53E-05	4.73E-05
1360	438156.1	3762740	0.000179	0.000609	2.78E-05	9.96E-05	1.50E-05	4.62E-05
1361	438156.1	3762730	0.000174	0.000593	2.70E-05	9.69E-05	1.46E-05	4.49E-05
1362	438156.1	3762721	0.000169	0.000577	2.63E-05	9.42E-05	1.42E-05	4.37E-05
1363	438181.8	3762905	0.000223	0.000759	3.46E-05	1.24E-04	1.86E-05	5.75E-05
1364	438179	3762914	0.000226	0.000771	3.51E-05	1.26E-04	1.89E-05	5.84E-05
1365	438176.2	3762923	0.000229	0.000783	3.57E-05	1.28E-04	1.92E-05	5.93E-05
1366	438173.4	3762932	0.000233	0.000793	3.61E-05	1.30E-04	1.95E-05	6.01E-05
1367	438170.5	3762942	0.000235	0.000802	3.66E-05	1.31E-04	1.97E-05	6.08E-05
1368	438167.7	3762951	0.000238	0.00081	3.69E-05	1.32E-04	1.99E-05	6.14E-05
1369	438164.9	3762960	0.00024	0.000818	3.73E-05	1.34E-04	2.01E-05	6.20E-05
1370	438162.1	3762970	0.000242	0.000824	3.75E-05	1.35E-04	2.02E-05	6.24E-05
1371	438159.3	3762979	0.000243	0.000829	3.78E-05	1.35E-04	2.03E-05	6.28E-05
1372	438156.4	3762988	0.000244	0.000833	3.79E-05	1.36E-04	2.04E-05	6.31E-05
1373	438153.6	3762998	0.000245	0.000835	3.81E-05	1.36E-04	2.05E-05	6.33E-05
1374	438150.8	3763007	0.000245	0.000837	3.81E-05	1.37E-04	2.05E-05	6.34E-05
1375	438148	3763016	0.000245	0.000837	3.81E-05	1.37E-04	2.05E-05	6.34E-05
1376	438145.1	3763026	0.000245	0.000836	3.81E-05	1.36E-04	2.05E-05	6.33E-05
1377	438142.3	3763035	0.000244	0.000833	3.80E-05	1.36E-04	2.04E-05	6.31E-05
1378	438139.5	3763044	0.000243	0.000829	3.78E-05	1.35E-04	2.04E-05	6.28E-05
1379	438111.3	3763137	0.000209	0.000713	3.25E-05	1.16E-04	1.75E-05	5.40E-05
1380	438108.5	3763147	0.000204	0.000695	3.16E-05	1.13E-04	1.70E-05	5.26E-05
1381	438105.6	3763156	0.000199	0.000679	3.10E-05	1.11E-04	1.67E-05	5.15E-05
1382	438102.8	3763165	0.000194	0.00066	3.01E-05	1.08E-04	1.62E-05	5.00E-05
1383	438100	3763174	0.000188	0.00064	2.92E-05	1.05E-04	1.57E-05	4.85E-05
1384	438097.2	3763184	0.000182	0.00062	2.82E-05	1.01E-04	1.52E-05	4.70E-05
1385	438094.3	3763193	0.000176	0.000599	2.73E-05	9.78E-05	1.47E-05	4.54E-05
1386	438091.5	3763202	0.000169	0.000578	2.63E-05	9.44E-05	1.42E-05	4.38E-05
1387	438196	3762838	0.000195	0.000666	3.03E-05	1.09E-04	1.63E-05	5.05E-05
1388	438196	3762829	0.000192	0.000655	2.98E-05	1.07E-04	1.61E-05	4.96E-05
1389	438196	3762819	0.000189	0.000643	2.93E-05	1.05E-04	1.58E-05	4.87E-05
1390	438196	3762809	0.000185	0.000631	2.88E-05	1.03E-04	1.55E-05	4.78E-05
1391	438196	3762799	0.000182	0.000619	2.82E-05	1.01E-04	1.52E-05	4.69E-05
1392	438196	3762789	0.000178	0.000607	2.77E-05	9.92E-05	1.49E-05	4.60E-05
1393	438196.1	3762780	0.000174	0.000595	2.71E-05	9.72E-05	1.46E-05	4.51E-05
1394	438196.1	3762770	0.000171	0.000581	2.65E-05	9.50E-05	1.43E-05	4.41E-05
1395	438196.1	3762760	0.000167	0.000568	2.59E-05	9.28E-05	1.39E-05	4.30E-05
1396	438196.1	3762750	0.000163	0.000554	2.53E-05	9.06E-05	1.36E-05	4.20E-05
1397	438196.1	3762740	0.000159	0.000541	2.47E-05	8.84E-05	1.33E-05	4.10E-05
1398	438196.1	3762730	0.000155	0.000528	2.41E-05	8.63E-05	1.30E-05	4.00E-05
1399	438196.1	3762721	0.000151	0.000515	2.35E-05	8.41E-05	1.26E-05	3.90E-05
1400	438222	3762904	0.000196	0.00067	3.05E-05	1.09E-04	1.64E-05	5.07E-05

1401	438219.3	3762913	0.0002	0.000682	3.11E-05	1.11E-04	1.67E-05	5.17E-05
1402	438216.5	3762922	0.000203	0.000693	3.16E-05	1.13E-04	1.70E-05	5.25E-05
1403	438213.7	3762931	0.000206	0.000702	3.20E-05	1.15E-04	1.72E-05	5.32E-05
1404	438210.9	3762941	0.000208	0.000711	3.24E-05	1.16E-04	1.74E-05	5.39E-05
1405	438208.2	3762950	0.000211	0.000719	3.27E-05	1.17E-04	1.76E-05	5.45E-05
1406	438205.4	3762959	0.000213	0.000726	3.31E-05	1.19E-04	1.78E-05	5.50E-05
1407	438202.6	3762968	0.000215	0.000732	3.34E-05	1.20E-04	1.80E-05	5.55E-05
1408	438199.8	3762977	0.000216	0.000738	3.36E-05	1.21E-04	1.81E-05	5.59E-05
1409	438197	3762986	0.000218	0.000742	3.38E-05	1.21E-04	1.82E-05	5.63E-05
1410	438194.3	3762996	0.000219	0.000746	3.40E-05	1.22E-04	1.83E-05	5.65E-05
1411	438191.5	3763005	0.00022	0.000749	3.41E-05	1.22E-04	1.84E-05	5.68E-05
1412	438188.7	3763014	0.00022	0.000751	3.42E-05	1.23E-04	1.84E-05	5.69E-05
1413	438185.9	3763023	0.00022	0.000752	3.42E-05	1.23E-04	1.84E-05	5.70E-05
1414	438183.1	3763032	0.00022	0.000751	3.42E-05	1.23E-04	1.84E-05	5.69E-05
1415	438180.4	3763041	0.00022	0.00075	3.42E-05	1.23E-04	1.84E-05	5.68E-05
1416	438177.6	3763051	0.000219	0.000747	3.41E-05	1.22E-04	1.83E-05	5.66E-05
1417	438174.8	3763060	0.000218	0.000744	3.39E-05	1.22E-04	1.83E-05	5.64E-05
1418	438172	3763069	0.000217	0.00074	3.37E-05	1.21E-04	1.82E-05	5.60E-05
1419	438169.2	3763078	0.000215	0.000734	3.34E-05	1.20E-04	1.80E-05	5.56E-05
1420	438166.5	3763087	0.000213	0.000727	3.31E-05	1.19E-04	1.78E-05	5.51E-05
1421	438163.7	3763096	0.000211	0.000718	3.27E-05	1.17E-04	1.76E-05	5.44E-05
1422	438160.9	3763106	0.000208	0.000709	3.23E-05	1.16E-04	1.74E-05	5.37E-05
1423	438158.1	3763115	0.000205	0.000699	3.18E-05	1.14E-04	1.71E-05	5.29E-05
1424	438155.3	3763124	0.000201	0.000686	3.13E-05	1.12E-04	1.68E-05	5.20E-05
1425	438152.6	3763133	0.000197	0.000673	3.07E-05	1.10E-04	1.65E-05	5.10E-05
1426	438149.8	3763142	0.000193	0.000659	3.00E-05	1.08E-04	1.62E-05	4.99E-05
1427	438147	3763151	0.00019	0.000648	2.95E-05	1.06E-04	1.59E-05	4.91E-05
1428	438144.2	3763161	0.000186	0.000634	2.89E-05	1.04E-04	1.56E-05	4.80E-05
1429	438141.4	3763170	0.000181	0.000618	2.82E-05	1.01E-04	1.52E-05	4.69E-05
1430	438138.7	3763179	0.000177	0.000603	2.75E-05	9.85E-05	1.48E-05	4.57E-05
1431	438135.9	3763188	0.000172	0.000587	2.68E-05	9.59E-05	1.44E-05	4.45E-05
1432	438133.1	3763197	0.000167	0.00057	2.60E-05	9.32E-05	1.40E-05	4.32E-05
1433	438130.3	3763206	0.000162	0.000554	2.52E-05	9.05E-05	1.36E-05	4.20E-05
1434	438127.6	3763216	0.000157	0.000537	2.45E-05	8.77E-05	1.32E-05	4.07E-05
1435	438236	3762838	0.000174	0.000592	2.70E-05	9.67E-05	1.45E-05	4.49E-05
1436	438236	3762829	0.000171	0.000583	2.65E-05	9.52E-05	1.43E-05	4.41E-05
1437	438236	3762819	0.000168	0.000573	2.61E-05	9.35E-05	1.41E-05	4.34E-05
1438	438236	3762809	0.000165	0.000562	2.56E-05	9.19E-05	1.38E-05	4.26E-05
1439	438236	3762799	0.000162	0.000552	2.51E-05	9.01E-05	1.35E-05	4.18E-05
1440	438236	3762789	0.000159	0.000541	2.46E-05	8.84E-05	1.33E-05	4.10E-05
1441	438236.1	3762780	0.000155	0.00053	2.41E-05	8.66E-05	1.30E-05	4.01E-05
1442	438236.1	3762770	0.000152	0.000519	2.36E-05	8.47E-05	1.27E-05	3.93E-05
1443	438236.1	3762760	0.000149	0.000507	2.31E-05	8.28E-05	1.24E-05	3.84E-05
1444	438236.1	3762750	0.000145	0.000496	2.26E-05	8.10E-05	1.22E-05	3.76E-05
1445	438261.9	3762904	0.000174	0.000595	2.71E-05	9.72E-05	1.46E-05	4.51E-05
1446	438259.1	3762914	0.000177	0.000605	2.76E-05	9.88E-05	1.48E-05	4.58E-05
1447	438256.3	3762923	0.00018	0.000614	2.80E-05	1.00E-04	1.51E-05	4.65E-05
1448	438253.5	3762932	0.000183	0.000623	2.84E-05	1.02E-04	1.53E-05	4.72E-05
1449	438250.7	3762941	0.000185	0.000631	2.88E-05	1.03E-04	1.55E-05	4.78E-05
1450	438247.9	3762951	0.000187	0.000639	2.91E-05	1.04E-04	1.57E-05	4.84E-05
1451	438245.1	3762960	0.000189	0.000646	2.94E-05	1.05E-04	1.59E-05	4.89E-05
1452	438242.3	3762969	0.000191	0.000652	2.97E-05	1.07E-04	1.60E-05	4.94E-05

1453	438239.5	3762978	0.000193	0.000658	3.00E-05	1.08E-04	1.62E-05	4.99E-05
1454	438236.7	3762988	0.000195	0.000663	3.02E-05	1.08E-04	1.63E-05	5.03E-05
1455	438233.9	3762997	0.000196	0.000668	3.04E-05	1.09E-04	1.64E-05	5.06E-05
1456	438231	3763006	0.000197	0.000671	3.06E-05	1.10E-04	1.65E-05	5.09E-05
1457	438228.2	3763015	0.000198	0.000674	3.07E-05	1.10E-04	1.65E-05	5.11E-05
1458	438225.4	3763025	0.000198	0.000676	3.08E-05	1.10E-04	1.66E-05	5.12E-05
1459	438222.6	3763034	0.000199	0.000678	3.09E-05	1.11E-04	1.66E-05	5.14E-05
1460	438219.8	3763043	0.000199	0.000678	3.09E-05	1.11E-04	1.66E-05	5.14E-05
1461	438217	3763052	0.000199	0.000677	3.09E-05	1.11E-04	1.66E-05	5.13E-05
1462	438214.2	3763062	0.000198	0.000676	3.08E-05	1.10E-04	1.66E-05	5.12E-05
1463	438211.4	3763071	0.000197	0.000673	3.07E-05	1.10E-04	1.65E-05	5.10E-05
1464	438208.6	3763080	0.000196	0.000669	3.05E-05	1.09E-04	1.64E-05	5.07E-05
1465	438205.8	3763089	0.000195	0.000664	3.03E-05	1.09E-04	1.63E-05	5.03E-05
1466	438203	3763099	0.000193	0.000659	3.00E-05	1.08E-04	1.62E-05	4.99E-05
1467	438200.2	3763108	0.000191	0.000652	2.97E-05	1.06E-04	1.60E-05	4.94E-05
1468	438197.4	3763117	0.000189	0.000644	2.93E-05	1.05E-04	1.58E-05	4.88E-05
1469	438194.6	3763126	0.000186	0.000635	2.89E-05	1.04E-04	1.56E-05	4.81E-05
1470	438191.8	3763136	0.000183	0.000625	2.85E-05	1.02E-04	1.53E-05	4.74E-05
1471	438189	3763145	0.00018	0.000615	2.80E-05	1.00E-04	1.51E-05	4.66E-05
1472	438186.2	3763154	0.000177	0.000604	2.75E-05	9.86E-05	1.48E-05	4.57E-05
1473	438183.3	3763163	0.000174	0.000594	2.71E-05	9.71E-05	1.46E-05	4.50E-05
1474	438180.5	3763173	0.000171	0.000582	2.65E-05	9.51E-05	1.43E-05	4.41E-05
1475	438177.7	3763182	0.000167	0.000569	2.59E-05	9.30E-05	1.40E-05	4.31E-05
1476	438174.9	3763191	0.000163	0.000556	2.53E-05	9.09E-05	1.37E-05	4.22E-05
1477	438172.1	3763201	0.000159	0.000543	2.47E-05	8.87E-05	1.33E-05	4.11E-05
1478	438169.3	3763210	0.000155	0.000529	2.41E-05	8.65E-05	1.30E-05	4.01E-05
1479	438166.5	3763219	0.000151	0.000516	2.35E-05	8.42E-05	1.27E-05	3.91E-05
1480	438163.7	3763228	0.000147	0.000501	2.29E-05	8.19E-05	1.23E-05	3.80E-05
1481	438160.9	3763238	0.000143	0.000487	2.22E-05	7.96E-05	1.20E-05	3.69E-05
1482	438158.1	3763247	0.000139	0.000472	2.15E-05	7.72E-05	1.16E-05	3.58E-05
1483	438276	3762838	0.000155	0.00053	2.41E-05	8.66E-05	1.30E-05	4.02E-05
1484	438276	3762829	0.000153	0.000523	2.38E-05	8.54E-05	1.28E-05	3.96E-05
1485	438276	3762819	0.000151	0.000515	2.35E-05	8.42E-05	1.26E-05	3.90E-05
1486	438276	3762809	0.000149	0.000507	2.31E-05	8.29E-05	1.25E-05	3.84E-05
1487	438276	3762799	0.000146	0.000498	2.27E-05	8.14E-05	1.22E-05	3.78E-05
1488	438276	3762789	0.000143	0.000489	2.23E-05	7.99E-05	1.20E-05	3.70E-05
1489	438276.1	3762780	0.000141	0.000479	2.18E-05	7.83E-05	1.18E-05	3.63E-05
1490	438276.1	3762770	0.000138	0.00047	2.14E-05	7.67E-05	1.15E-05	3.56E-05
1491	438276.1	3762760	0.000135	0.00046	2.10E-05	7.51E-05	1.13E-05	3.49E-05
1492	438276.1	3762750	0.000132	0.00045	2.05E-05	7.35E-05	1.10E-05	3.41E-05
1493	438301.8	3762905	0.000157	0.000537	2.44E-05	8.77E-05	1.32E-05	4.07E-05
1494	438299	3762914	0.00016	0.000545	2.48E-05	8.90E-05	1.34E-05	4.13E-05
1495	438296.1	3762924	0.000162	0.000553	2.52E-05	9.03E-05	1.36E-05	4.19E-05
1496	438293.3	3762933	0.000164	0.00056	2.55E-05	9.15E-05	1.38E-05	4.25E-05
1497	438290.5	3762942	0.000166	0.000567	2.58E-05	9.26E-05	1.39E-05	4.29E-05
1498	438287.6	3762952	0.000168	0.000573	2.61E-05	9.36E-05	1.41E-05	4.34E-05
1499	438284.8	3762961	0.00017	0.000578	2.64E-05	9.45E-05	1.42E-05	4.38E-05
1500	438282	3762970	0.000171	0.000584	2.66E-05	9.55E-05	1.43E-05	4.43E-05
1501	438279.2	3762980	0.000173	0.00059	2.69E-05	9.64E-05	1.45E-05	4.47E-05
1502	438276.3	3762989	0.000175	0.000595	2.71E-05	9.73E-05	1.46E-05	4.51E-05
1503	438273.5	3762998	0.000176	0.0006	2.74E-05	9.81E-05	1.47E-05	4.55E-05
1504	438270.7	3763008	0.000177	0.000605	2.76E-05	9.88E-05	1.48E-05	4.58E-05

1505	438267.8	3763017	0.000178	0.000608	2.77E-05	9.94E-05	1.49E-05	4.61E-05
1506	438265	3763026	0.000179	0.000611	2.78E-05	9.98E-05	1.50E-05	4.63E-05
1507	438262.2	3763036	0.00018	0.000613	2.79E-05	1.00E-04	1.50E-05	4.64E-05
1508	438259.3	3763045	0.00018	0.000614	2.80E-05	1.00E-04	1.51E-05	4.65E-05
1509	438256.5	3763054	0.00018	0.000615	2.80E-05	1.00E-04	1.51E-05	4.66E-05
1510	438253.7	3763064	0.00018	0.000614	2.80E-05	1.00E-04	1.51E-05	4.65E-05
1511	438250.9	3763073	0.00018	0.000613	2.79E-05	1.00E-04	1.50E-05	4.65E-05
1512	438248	3763082	0.000179	0.000611	2.78E-05	9.98E-05	1.50E-05	4.63E-05
1513	438245.2	3763092	0.000178	0.000608	2.77E-05	9.93E-05	1.49E-05	4.61E-05
1514	438242.4	3763101	0.000177	0.000604	2.75E-05	9.87E-05	1.48E-05	4.58E-05
1515	438239.5	3763110	0.000176	0.000599	2.73E-05	9.79E-05	1.47E-05	4.54E-05
1516	438236.7	3763120	0.000174	0.000594	2.71E-05	9.70E-05	1.46E-05	4.50E-05
1517	438233.9	3763129	0.000172	0.000587	2.68E-05	9.60E-05	1.44E-05	4.45E-05
1518	438231	3763138	0.00017	0.00058	2.64E-05	9.48E-05	1.42E-05	4.40E-05
1519	438228.2	3763148	0.000168	0.000572	2.61E-05	9.35E-05	1.40E-05	4.34E-05
1520	438225.4	3763157	0.000165	0.000564	2.57E-05	9.21E-05	1.38E-05	4.27E-05
1521	438222.5	3763166	0.000163	0.000555	2.53E-05	9.06E-05	1.36E-05	4.20E-05
1522	438219.7	3763176	0.00016	0.000545	2.48E-05	8.90E-05	1.34E-05	4.13E-05
1523	438216.9	3763185	0.000158	0.000537	2.45E-05	8.77E-05	1.32E-05	4.07E-05
1524	438214.1	3763194	0.000154	0.000526	2.40E-05	8.60E-05	1.29E-05	3.99E-05
1525	438211.2	3763204	0.000151	0.000515	2.35E-05	8.42E-05	1.26E-05	3.90E-05
1526	438208.4	3763213	0.000148	0.000504	2.30E-05	8.23E-05	1.24E-05	3.82E-05
1527	438205.6	3763222	0.000144	0.000492	2.24E-05	8.04E-05	1.21E-05	3.73E-05
1528	438202.7	3763232	0.000141	0.00048	2.19E-05	7.84E-05	1.18E-05	3.64E-05
1529	438199.9	3763241	0.000137	0.000468	2.13E-05	7.65E-05	1.15E-05	3.55E-05
1530	438197.1	3763250	0.000133	0.000453	2.07E-05	7.41E-05	1.11E-05	3.44E-05
1531	438194.2	3763260	0.000129	0.000441	2.01E-05	7.20E-05	1.08E-05	3.34E-05
1532	438191.4	3763269	0.000125	0.000428	1.95E-05	6.99E-05	1.05E-05	3.24E-05
1533	438316	3762839	0.00014	0.000477	2.17E-05	7.79E-05	1.17E-05	3.61E-05
1534	438316	3762829	0.000138	0.000471	2.15E-05	7.69E-05	1.16E-05	3.57E-05
1535	438316	3762819	0.000136	0.000465	2.12E-05	7.59E-05	1.14E-05	3.52E-05
1536	438316	3762809	0.000134	0.000457	2.08E-05	7.47E-05	1.12E-05	3.47E-05
1537	438316	3762799	0.000132	0.00045	2.05E-05	7.35E-05	1.10E-05	3.41E-05
1538	438316	3762789	0.000129	0.000442	2.01E-05	7.21E-05	1.08E-05	3.35E-05
1539	438316.1	3762780	0.000127	0.000433	1.98E-05	7.08E-05	1.06E-05	3.28E-05
1540	438316.1	3762770	0.000125	0.000425	1.94E-05	6.94E-05	1.04E-05	3.22E-05
1541	438316.1	3762760	0.000122	0.000417	1.90E-05	6.81E-05	1.02E-05	3.16E-05
1542	438316.1	3762750	0.00012	0.000408	1.86E-05	6.67E-05	1.00E-05	3.09E-05
1543	438342	3762904	0.000141	0.000482	2.20E-05	7.87E-05	1.18E-05	3.65E-05
1544	438339.2	3762913	0.000144	0.00049	2.23E-05	8.01E-05	1.20E-05	3.71E-05
1545	438336.4	3762923	0.000146	0.000498	2.27E-05	8.13E-05	1.22E-05	3.77E-05
1546	438333.6	3762932	0.000148	0.000505	2.30E-05	8.26E-05	1.24E-05	3.83E-05
1547	438330.8	3762941	0.00015	0.000512	2.33E-05	8.36E-05	1.26E-05	3.88E-05
1548	438328	3762950	0.000152	0.000518	2.36E-05	8.46E-05	1.27E-05	3.93E-05
1549	438325.2	3762960	0.000154	0.000524	2.39E-05	8.56E-05	1.29E-05	3.97E-05
1550	438322.4	3762969	0.000155	0.000529	2.41E-05	8.64E-05	1.30E-05	4.01E-05
1551	438319.6	3762978	0.000156	0.000533	2.43E-05	8.71E-05	1.31E-05	4.04E-05
1552	438316.8	3762987	0.000158	0.000538	2.45E-05	8.78E-05	1.32E-05	4.07E-05
1553	438314.1	3762996	0.000159	0.000542	2.47E-05	8.85E-05	1.33E-05	4.11E-05
1554	438311.3	3763006	0.00016	0.000546	2.49E-05	8.91E-05	1.34E-05	4.14E-05
1555	438308.5	3763015	0.000161	0.000549	2.50E-05	8.97E-05	1.35E-05	4.16E-05
1556	438305.7	3763024	0.000162	0.000552	2.51E-05	9.01E-05	1.35E-05	4.18E-05

1557	438302.9	3763033	0.000162	0.000554	2.52E-05	9.05E-05	1.36E-05	4.20E-05
1558	438300.1	3763042	0.000163	0.000556	2.53E-05	9.08E-05	1.36E-05	4.21E-05
1559	438297.3	3763052	0.000163	0.000557	2.54E-05	9.10E-05	1.37E-05	4.22E-05
1560	438294.5	3763061	0.000164	0.000559	2.55E-05	9.12E-05	1.37E-05	4.23E-05
1561	438291.7	3763070	0.000164	0.000559	2.55E-05	9.13E-05	1.37E-05	4.24E-05
1562	438288.9	3763079	0.000164	0.000559	2.55E-05	9.13E-05	1.37E-05	4.23E-05
1563	438286.1	3763089	0.000163	0.000557	2.54E-05	9.11E-05	1.37E-05	4.22E-05
1564	438283.3	3763098	0.000163	0.000555	2.53E-05	9.07E-05	1.36E-05	4.21E-05
1565	438280.5	3763107	0.000162	0.000553	2.52E-05	9.03E-05	1.36E-05	4.19E-05
1566	438277.7	3763116	0.000161	0.00055	2.51E-05	8.98E-05	1.35E-05	4.17E-05
1567	438274.9	3763125	0.00016	0.000546	2.49E-05	8.92E-05	1.34E-05	4.14E-05
1568	438272.2	3763135	0.000159	0.000541	2.47E-05	8.84E-05	1.33E-05	4.10E-05
1569	438269.4	3763144	0.000157	0.000536	2.44E-05	8.76E-05	1.32E-05	4.06E-05
1570	438266.6	3763153	0.000155	0.00053	2.42E-05	8.66E-05	1.30E-05	4.02E-05
1571	438263.8	3763162	0.000154	0.000524	2.39E-05	8.55E-05	1.29E-05	3.97E-05
1572	438261	3763171	0.000151	0.000517	2.35E-05	8.44E-05	1.27E-05	3.91E-05
1573	438258.2	3763181	0.000149	0.000509	2.32E-05	8.32E-05	1.25E-05	3.86E-05
1574	438255.4	3763190	0.000147	0.000501	2.28E-05	8.18E-05	1.23E-05	3.80E-05
1575	438252.6	3763199	0.000144	0.000492	2.24E-05	8.04E-05	1.21E-05	3.73E-05
1576	438249.8	3763208	0.000142	0.000484	2.20E-05	7.90E-05	1.19E-05	3.66E-05
1577	438247	3763217	0.000139	0.000474	2.16E-05	7.75E-05	1.16E-05	3.59E-05
1578	438244.2	3763227	0.000136	0.000465	2.12E-05	7.59E-05	1.14E-05	3.52E-05
1579	438241.4	3763236	0.000133	0.000455	2.07E-05	7.44E-05	1.12E-05	3.45E-05
1580	438238.6	3763245	0.000131	0.000445	2.03E-05	7.27E-05	1.09E-05	3.37E-05
1581	438235.8	3763254	0.000128	0.000435	1.98E-05	7.11E-05	1.07E-05	3.30E-05
1582	438233.1	3763264	0.000124	0.000424	1.93E-05	6.93E-05	1.04E-05	3.21E-05
1583	438230.3	3763273	0.000121	0.000413	1.88E-05	6.74E-05	1.01E-05	3.13E-05
1584	438227.5	3763282	0.000118	0.000401	1.83E-05	6.55E-05	9.84E-06	3.04E-05
1585	438224.7	3763291	0.000115	0.000391	1.78E-05	6.39E-05	9.61E-06	2.97E-05
1586	438353.7	3762998	0.000144	0.000493	2.24E-05	8.05E-05	1.21E-05	3.73E-05
1587	438350.9	3763007	0.000146	0.000496	2.26E-05	8.11E-05	1.22E-05	3.76E-05
1588	438348.1	3763016	0.000147	0.0005	2.28E-05	8.16E-05	1.23E-05	3.79E-05
1589	438345.3	3763025	0.000147	0.000502	2.29E-05	8.21E-05	1.23E-05	3.81E-05
1590	438342.5	3763035	0.000148	0.000504	2.30E-05	8.24E-05	1.24E-05	3.82E-05
1591	438339.6	3763044	0.000148	0.000506	2.31E-05	8.26E-05	1.24E-05	3.83E-05
1592	438336.8	3763053	0.000149	0.000507	2.31E-05	8.29E-05	1.25E-05	3.84E-05
1593	438334	3763063	0.000149	0.000509	2.32E-05	8.31E-05	1.25E-05	3.86E-05
1594	438331.2	3763072	0.00015	0.00051	2.32E-05	8.33E-05	1.25E-05	3.87E-05
1595	438328.4	3763081	0.00015	0.000511	2.33E-05	8.34E-05	1.25E-05	3.87E-05
1596	438325.6	3763090	0.00015	0.00051	2.32E-05	8.33E-05	1.25E-05	3.87E-05
1597	438322.7	3763100	0.000149	0.000509	2.32E-05	8.31E-05	1.25E-05	3.86E-05
1598	438319.9	3763109	0.000149	0.000507	2.31E-05	8.29E-05	1.24E-05	3.84E-05
1599	438317.1	3763118	0.000148	0.000505	2.30E-05	8.26E-05	1.24E-05	3.83E-05
1600	438314.3	3763128	0.000148	0.000503	2.29E-05	8.22E-05	1.23E-05	3.81E-05
1601	438311.5	3763137	0.000147	0.0005	2.28E-05	8.17E-05	1.23E-05	3.79E-05
1602	438308.7	3763146	0.000146	0.000496	2.26E-05	8.11E-05	1.22E-05	3.76E-05
1603	438305.9	3763155	0.000144	0.000492	2.24E-05	8.03E-05	1.21E-05	3.73E-05
1604	438303	3763165	0.000143	0.000486	2.22E-05	7.95E-05	1.19E-05	3.69E-05
1605	438300.2	3763174	0.000141	0.000481	2.19E-05	7.86E-05	1.18E-05	3.64E-05
1606	438297.4	3763183	0.00014	0.000477	2.17E-05	7.79E-05	1.17E-05	3.62E-05
1607	438294.6	3763193	0.000138	0.000471	2.15E-05	7.69E-05	1.16E-05	3.57E-05
1608	438291.8	3763202	0.000136	0.000464	2.12E-05	7.58E-05	1.14E-05	3.52E-05

1609	438289	3763211	0.000134	0.000457	2.08E-05	7.47E-05	1.12E-05	3.47E-05
1610	438286.1	3763220	0.000132	0.00045	2.05E-05	7.35E-05	1.10E-05	3.41E-05
1611	438283.3	3763230	0.00013	0.000442	2.02E-05	7.23E-05	1.09E-05	3.35E-05
1612	438280.5	3763239	0.000127	0.000434	1.98E-05	7.10E-05	1.07E-05	3.29E-05
1613	438277.7	3763248	0.000124	0.000424	1.93E-05	6.93E-05	1.04E-05	3.21E-05
1614	438274.9	3763258	0.000122	0.000415	1.89E-05	6.78E-05	1.02E-05	3.15E-05
1615	438272.1	3763267	0.000119	0.000406	1.85E-05	6.63E-05	9.96E-06	3.07E-05
1616	438269.3	3763276	0.000117	0.000398	1.81E-05	6.51E-05	9.77E-06	3.02E-05
1617	438266.4	3763285	0.000114	0.000388	1.77E-05	6.34E-05	9.53E-06	2.94E-05
1618	438263.6	3763295	0.000111	0.000378	1.72E-05	6.18E-05	9.29E-06	2.87E-05
1619	438260.8	3763304	0.000108	0.000368	1.68E-05	6.01E-05	9.03E-06	2.79E-05
1620	438258	3763313	0.000105	0.000358	1.63E-05	5.84E-05	8.78E-06	2.71E-05
1621	438395.9	3762858	0.000118	0.000403	1.84E-05	6.58E-05	9.89E-06	3.05E-05
1622	438396	3762848	0.000117	0.000398	1.81E-05	6.50E-05	9.76E-06	3.01E-05
1623	438396	3762839	0.000115	0.000392	1.79E-05	6.41E-05	9.63E-06	2.97E-05
1624	438396	3762829	0.000114	0.000387	1.76E-05	6.33E-05	9.50E-06	2.93E-05
1625	438396	3762819	0.000112	0.000382	1.74E-05	6.24E-05	9.37E-06	2.89E-05
1626	438396	3762809	0.00011	0.000376	1.72E-05	6.15E-05	9.24E-06	2.85E-05
1627	438396	3762799	0.000109	0.000371	1.69E-05	6.05E-05	9.10E-06	2.81E-05
1628	438396	3762790	0.000107	0.000365	1.66E-05	5.96E-05	8.95E-06	2.76E-05
1629	438396.1	3762780	0.000105	0.000359	1.63E-05	5.86E-05	8.80E-06	2.72E-05
1630	438396.1	3762770	0.000103	0.000353	1.61E-05	5.76E-05	8.66E-06	2.67E-05
1631	438396.1	3762760	0.000102	0.000346	1.58E-05	5.66E-05	8.50E-06	2.62E-05
1632	438396.1	3762750	9.97E-05	0.00034	1.55E-05	5.55E-05	8.35E-06	2.58E-05
1633	438396.1	3762741	9.78E-05	0.000334	1.52E-05	5.45E-05	8.19E-06	2.53E-05
1634	438396.1	3762731	9.59E-05	0.000327	1.49E-05	5.34E-05	8.03E-06	2.48E-05
1635	438396.1	3762721	9.4E-05	0.000321	1.46E-05	5.24E-05	7.87E-06	2.43E-05
1636	438424.6	3762896	0.000115	0.000393	1.79E-05	6.43E-05	9.66E-06	2.98E-05
1637	438421.8	3762905	0.000117	0.0004	1.82E-05	6.53E-05	9.81E-06	3.03E-05
1638	438418.9	3762914	0.000119	0.000406	1.85E-05	6.63E-05	9.96E-06	3.08E-05
1639	438416.1	3762924	0.000121	0.000412	1.88E-05	6.73E-05	1.01E-05	3.12E-05
1640	438413.3	3762933	0.000123	0.000418	1.90E-05	6.83E-05	1.03E-05	3.17E-05
1641	438410.4	3762943	0.000124	0.000423	1.93E-05	6.92E-05	1.04E-05	3.21E-05
1642	438407.6	3762952	0.000126	0.000428	1.95E-05	7.00E-05	1.05E-05	3.25E-05
1643	438404.7	3762961	0.000127	0.000433	1.97E-05	7.08E-05	1.06E-05	3.28E-05
1644	438401.9	3762971	0.000128	0.000438	1.99E-05	7.15E-05	1.07E-05	3.32E-05
1645	438399.1	3762980	0.00013	0.000442	2.01E-05	7.22E-05	1.08E-05	3.35E-05
1646	438396.2	3762989	0.000131	0.000446	2.03E-05	7.28E-05	1.09E-05	3.38E-05
1647	438393.4	3762999	0.000132	0.000449	2.05E-05	7.34E-05	1.10E-05	3.41E-05
1648	438390.6	3763008	0.000133	0.000453	2.06E-05	7.40E-05	1.11E-05	3.43E-05
1649	438387.7	3763017	0.000134	0.000456	2.08E-05	7.45E-05	1.12E-05	3.46E-05
1650	438384.9	3763027	0.000135	0.000459	2.09E-05	7.50E-05	1.13E-05	3.48E-05
1651	438353.7	3763130	0.000136	0.000465	2.12E-05	7.59E-05	1.14E-05	3.52E-05
1652	438350.9	3763139	0.000136	0.000463	2.11E-05	7.56E-05	1.14E-05	3.51E-05
1653	438348	3763148	0.000135	0.00046	2.10E-05	7.51E-05	1.13E-05	3.48E-05
1654	438345.2	3763158	0.000134	0.000456	2.08E-05	7.45E-05	1.12E-05	3.46E-05
1655	438342.4	3763167	0.000133	0.000454	2.07E-05	7.42E-05	1.11E-05	3.44E-05
1656	438339.5	3763176	0.000132	0.00045	2.05E-05	7.35E-05	1.10E-05	3.41E-05
1657	438336.7	3763186	0.000131	0.000446	2.03E-05	7.28E-05	1.09E-05	3.38E-05
1658	438333.9	3763195	0.000129	0.000441	2.01E-05	7.21E-05	1.08E-05	3.34E-05
1659	438331	3763204	0.000128	0.000436	1.99E-05	7.12E-05	1.07E-05	3.30E-05
1660	438328.2	3763214	0.000126	0.000431	1.96E-05	7.04E-05	1.06E-05	3.26E-05

1661	438325.3	3763223	0.000125	0.000425	1.94E-05	6.94E-05	1.04E-05	3.22E-05
1662	438322.5	3763232	0.000122	0.000417	1.90E-05	6.81E-05	1.02E-05	3.16E-05
1663	438319.7	3763242	0.00012	0.000411	1.87E-05	6.71E-05	1.01E-05	3.11E-05
1664	438316.8	3763251	0.000118	0.000404	1.84E-05	6.59E-05	9.91E-06	3.06E-05
1665	438314	3763261	0.000116	0.000396	1.81E-05	6.48E-05	9.73E-06	3.00E-05
1666	438311.2	3763270	0.000114	0.000389	1.77E-05	6.35E-05	9.54E-06	2.95E-05
1667	438308.3	3763279	0.000112	0.000381	1.73E-05	6.22E-05	9.34E-06	2.88E-05
1668	438305.5	3763289	0.000109	0.000372	1.70E-05	6.08E-05	9.14E-06	2.82E-05
1669	438302.7	3763298	0.000107	0.000364	1.66E-05	5.94E-05	8.92E-06	2.75E-05
1670	438299.8	3763307	0.000105	0.000357	1.62E-05	5.83E-05	8.75E-06	2.70E-05
1671	438297	3763317	0.000102	0.000348	1.58E-05	5.68E-05	8.53E-06	2.63E-05
1672	438294.1	3763326	9.93E-05	0.000339	1.54E-05	5.53E-05	8.31E-06	2.57E-05
1673	438291.3	3763335	9.66E-05	0.00033	1.50E-05	5.38E-05	8.09E-06	2.50E-05
1674	438435.9	3762858	0.000108	0.000367	1.67E-05	6.00E-05	9.01E-06	2.78E-05
1675	438436	3762849	0.000106	0.000363	1.65E-05	5.93E-05	8.90E-06	2.75E-05
1676	438436	3762839	0.000105	0.000358	1.63E-05	5.85E-05	8.79E-06	2.71E-05
1677	438436	3762829	0.000104	0.000354	1.61E-05	5.78E-05	8.68E-06	2.68E-05
1678	438436	3762819	0.000102	0.000349	1.59E-05	5.70E-05	8.56E-06	2.64E-05
1679	438436	3762809	0.000101	0.000344	1.57E-05	5.62E-05	8.44E-06	2.61E-05
1680	438436	3762799	9.95E-05	0.000339	1.55E-05	5.54E-05	8.32E-06	2.57E-05
1681	438436	3762790	9.8E-05	0.000334	1.52E-05	5.46E-05	8.21E-06	2.53E-05
1682	438436.1	3762780	9.65E-05	0.000329	1.50E-05	5.37E-05	8.07E-06	2.49E-05
1683	438436.1	3762770	9.49E-05	0.000323	1.47E-05	5.28E-05	7.94E-06	2.45E-05
1684	438436.1	3762760	9.32E-05	0.000318	1.45E-05	5.19E-05	7.80E-06	2.41E-05
1685	438436.1	3762750	9.16E-05	0.000312	1.42E-05	5.10E-05	7.67E-06	2.37E-05
1686	438436.1	3762741	9E-05	0.000307	1.40E-05	5.01E-05	7.53E-06	2.32E-05
1687	438436.1	3762731	8.83E-05	0.000301	1.37E-05	4.92E-05	7.39E-06	2.28E-05
1688	438436.1	3762721	8.66E-05	0.000295	1.35E-05	4.82E-05	7.25E-06	2.24E-05
1689	438464.7	3762895	0.000105	0.000358	1.63E-05	5.84E-05	8.78E-06	2.71E-05
1690	438461.9	3762905	0.000107	0.000363	1.66E-05	5.94E-05	8.92E-06	2.75E-05
1691	438459.1	3762914	0.000108	0.000369	1.68E-05	6.03E-05	9.06E-06	2.80E-05
1692	438456.3	3762923	0.00011	0.000374	1.71E-05	6.12E-05	9.19E-06	2.84E-05
1693	438453.5	3762932	0.000111	0.00038	1.73E-05	6.20E-05	9.32E-06	2.88E-05
1694	438450.7	3762942	0.000113	0.000385	1.75E-05	6.28E-05	9.44E-06	2.91E-05
1695	438447.9	3762951	0.000114	0.000389	1.77E-05	6.36E-05	9.56E-06	2.95E-05
1696	438445.1	3762960	0.000116	0.000394	1.80E-05	6.44E-05	9.68E-06	2.99E-05
1697	438442.3	3762969	0.000117	0.000398	1.82E-05	6.51E-05	9.78E-06	3.02E-05
1698	438439.5	3762979	0.000118	0.000403	1.83E-05	6.58E-05	9.88E-06	3.05E-05
1699	438436.7	3762988	0.000119	0.000406	1.85E-05	6.64E-05	9.98E-06	3.08E-05
1700	438433.9	3762997	0.00012	0.00041	1.87E-05	6.70E-05	1.01E-05	3.11E-05
1701	438431.1	3763006	0.000121	0.000414	1.89E-05	6.76E-05	1.02E-05	3.14E-05
1702	438428.3	3763016	0.000122	0.000417	1.90E-05	6.81E-05	1.02E-05	3.16E-05
1703	438425.5	3763025	0.000123	0.00042	1.91E-05	6.86E-05	1.03E-05	3.18E-05
1704	438422.7	3763034	0.000124	0.000422	1.92E-05	6.90E-05	1.04E-05	3.20E-05
1705	438419.9	3763043	0.000124	0.000424	1.93E-05	6.93E-05	1.04E-05	3.21E-05
1706	438417.1	3763053	0.000125	0.000426	1.94E-05	6.96E-05	1.05E-05	3.23E-05
1707	438414.3	3763062	0.000125	0.000428	1.95E-05	6.99E-05	1.05E-05	3.24E-05
1708	438411.5	3763071	0.000126	0.000429	1.96E-05	7.01E-05	1.05E-05	3.25E-05
1709	438408.7	3763080	0.000126	0.00043	1.96E-05	7.03E-05	1.06E-05	3.26E-05
1710	438405.9	3763090	0.000126	0.000431	1.96E-05	7.04E-05	1.06E-05	3.27E-05
1711	438403.1	3763099	0.000127	0.000432	1.97E-05	7.05E-05	1.06E-05	3.27E-05
1712	438400.3	3763108	0.000127	0.000432	1.97E-05	7.05E-05	1.06E-05	3.27E-05

1713	438397.5	3763117	0.000127	0.000432	1.97E-05	7.05E-05	1.06E-05	3.27E-05
1714	438394.7	3763126	0.000127	0.000431	1.97E-05	7.05E-05	1.06E-05	3.27E-05
1715	438391.9	3763136	0.000126	0.000431	1.96E-05	7.04E-05	1.06E-05	3.26E-05
1716	438389	3763145	0.000126	0.00043	1.96E-05	7.02E-05	1.05E-05	3.26E-05
1717	438386.2	3763154	0.000125	0.000428	1.95E-05	6.99E-05	1.05E-05	3.24E-05
1718	438352.6	3763265	0.00011	0.000377	1.72E-05	6.15E-05	9.24E-06	2.85E-05
1719	438349.8	3763274	0.000109	0.00037	1.69E-05	6.05E-05	9.09E-06	2.81E-05
1720	438347	3763284	0.000107	0.000364	1.66E-05	5.94E-05	8.93E-06	2.76E-05
1721	438344.2	3763293	0.000105	0.000357	1.63E-05	5.83E-05	8.75E-06	2.70E-05
1722	438341.4	3763302	0.000102	0.000349	1.59E-05	5.70E-05	8.57E-06	2.65E-05
1723	438338.6	3763311	0.0001	0.000342	1.56E-05	5.58E-05	8.39E-06	2.59E-05
1724	438335.8	3763321	9.79E-05	0.000334	1.52E-05	5.46E-05	8.20E-06	2.53E-05
1725	438333	3763330	9.62E-05	0.000328	1.49E-05	5.36E-05	8.05E-06	2.49E-05
1726	438330.2	3763339	9.39E-05	0.00032	1.46E-05	5.23E-05	7.86E-06	2.43E-05
1727	438327.4	3763348	9.15E-05	0.000312	1.42E-05	5.10E-05	7.66E-06	2.37E-05
1728	438324.6	3763358	8.92E-05	0.000304	1.39E-05	4.97E-05	7.47E-06	2.31E-05
1729	438475.9	3762858	9.87E-05	0.000336	1.53E-05	5.50E-05	8.26E-06	2.55E-05
1730	438476	3762849	9.77E-05	0.000333	1.52E-05	5.44E-05	8.18E-06	2.52E-05
1731	438476	3762839	9.67E-05	0.00033	1.50E-05	5.39E-05	8.09E-06	2.50E-05
1732	438476	3762829	9.56E-05	0.000326	1.48E-05	5.32E-05	8.00E-06	2.47E-05
1733	438476	3762819	9.43E-05	0.000321	1.46E-05	5.25E-05	7.89E-06	2.44E-05
1734	438476	3762809	9.3E-05	0.000317	1.44E-05	5.18E-05	7.78E-06	2.40E-05
1735	438476	3762800	9.16E-05	0.000312	1.42E-05	5.10E-05	7.67E-06	2.37E-05
1736	438476	3762790	9.02E-05	0.000308	1.40E-05	5.03E-05	7.55E-06	2.33E-05
1737	438476.1	3762780	8.88E-05	0.000303	1.38E-05	4.95E-05	7.43E-06	2.30E-05
1738	438476.1	3762770	8.74E-05	0.000298	1.36E-05	4.87E-05	7.31E-06	2.26E-05
1739	438476.1	3762760	8.59E-05	0.000293	1.34E-05	4.79E-05	7.19E-06	2.22E-05
1740	438476.1	3762750	8.44E-05	0.000288	1.31E-05	4.70E-05	7.07E-06	2.18E-05
1741	438476.1	3762741	8.3E-05	0.000283	1.29E-05	4.62E-05	6.95E-06	2.14E-05
1742	438476.1	3762731	8.15E-05	0.000278	1.27E-05	4.54E-05	6.82E-06	2.11E-05
1743	438476.1	3762721	8E-05	0.000273	1.24E-05	4.46E-05	6.70E-06	2.07E-05
1744	438504.7	3762896	9.62E-05	0.000328	1.50E-05	5.36E-05	8.05E-06	2.49E-05
1745	438501.8	3762905	9.76E-05	0.000333	1.52E-05	5.44E-05	8.17E-06	2.52E-05
1746	438499	3762914	9.91E-05	0.000338	1.54E-05	5.52E-05	8.30E-06	2.56E-05
1747	438496.2	3762924	0.000101	0.000343	1.56E-05	5.60E-05	8.42E-06	2.60E-05
1748	438493.4	3762933	0.000102	0.000348	1.59E-05	5.68E-05	8.54E-06	2.64E-05
1749	438490.5	3762942	0.000103	0.000353	1.61E-05	5.76E-05	8.65E-06	2.67E-05
1750	438487.7	3762952	0.000105	0.000357	1.63E-05	5.83E-05	8.76E-06	2.71E-05
1751	438484.9	3762961	0.000106	0.000361	1.65E-05	5.90E-05	8.87E-06	2.74E-05
1752	438482.1	3762970	0.000107	0.000365	1.66E-05	5.97E-05	8.96E-06	2.77E-05
1753	438479.3	3762979	0.000108	0.000369	1.68E-05	6.02E-05	9.05E-06	2.79E-05
1754	438476.4	3762989	0.000109	0.000372	1.70E-05	6.08E-05	9.13E-06	2.82E-05
1755	438473.6	3762998	0.00011	0.000375	1.71E-05	6.13E-05	9.21E-06	2.84E-05
1756	438470.8	3763007	0.000111	0.000379	1.73E-05	6.19E-05	9.29E-06	2.87E-05
1757	438468	3763017	0.000112	0.000382	1.74E-05	6.24E-05	9.37E-06	2.89E-05
1758	438465.1	3763026	0.000113	0.000385	1.75E-05	6.29E-05	9.45E-06	2.92E-05
1759	438462.3	3763035	0.000114	0.000388	1.77E-05	6.33E-05	9.52E-06	2.94E-05
1760	438459.5	3763045	0.000114	0.00039	1.78E-05	6.37E-05	9.57E-06	2.96E-05
1761	438456.7	3763054	0.000115	0.000392	1.79E-05	6.41E-05	9.63E-06	2.97E-05
1762	438453.9	3763063	0.000116	0.000394	1.80E-05	6.44E-05	9.67E-06	2.99E-05
1763	438451	3763073	0.000116	0.000396	1.80E-05	6.46E-05	9.71E-06	3.00E-05
1764	438448.2	3763082	0.000116	0.000397	1.81E-05	6.49E-05	9.74E-06	3.01E-05

1765	438445.4	3763091	0.000117	0.000398	1.81E-05	6.50E-05	9.77E-06	3.02E-05
1766	438442.6	3763100	0.000117	0.000399	1.82E-05	6.52E-05	9.79E-06	3.02E-05
1767	438439.7	3763110	0.000117	0.000399	1.82E-05	6.52E-05	9.80E-06	3.03E-05
1768	438436.9	3763119	0.000117	0.0004	1.82E-05	6.53E-05	9.81E-06	3.03E-05
1769	438434.1	3763128	0.000117	0.0004	1.82E-05	6.53E-05	9.81E-06	3.03E-05
1770	438431.3	3763138	0.000117	0.0004	1.82E-05	6.53E-05	9.81E-06	3.03E-05
1771	438428.5	3763147	0.000117	0.000399	1.82E-05	6.52E-05	9.80E-06	3.02E-05
1772	438425.6	3763156	0.000117	0.000398	1.82E-05	6.51E-05	9.78E-06	3.02E-05
1773	438422.8	3763166	0.000117	0.000397	1.81E-05	6.49E-05	9.75E-06	3.01E-05
1774	438420	3763175	0.000116	0.000396	1.80E-05	6.46E-05	9.71E-06	3.00E-05
1775	438417.2	3763184	0.000115	0.000393	1.79E-05	6.42E-05	9.65E-06	2.98E-05
1776	438414.3	3763194	0.000114	0.00039	1.78E-05	6.37E-05	9.58E-06	2.96E-05
1777	438411.5	3763203	0.000114	0.000387	1.76E-05	6.32E-05	9.50E-06	2.93E-05
1778	438408.7	3763212	0.000113	0.000384	1.75E-05	6.27E-05	9.42E-06	2.91E-05
1779	438405.9	3763221	0.000111	0.00038	1.73E-05	6.21E-05	9.33E-06	2.88E-05
1780	438403.1	3763231	0.00011	0.000376	1.71E-05	6.14E-05	9.23E-06	2.85E-05
1781	438400.2	3763240	0.000109	0.000372	1.70E-05	6.08E-05	9.14E-06	2.82E-05
1782	438397.4	3763249	0.000108	0.000368	1.68E-05	6.01E-05	9.04E-06	2.79E-05
1783	438394.6	3763259	0.000107	0.000364	1.66E-05	5.94E-05	8.93E-06	2.76E-05
1784	438391.8	3763268	0.000105	0.000359	1.63E-05	5.86E-05	8.80E-06	2.72E-05
1785	438388.9	3763277	0.000104	0.000353	1.61E-05	5.77E-05	8.67E-06	2.68E-05
1786	438515.9	3762858	9.07E-05	0.000309	1.41E-05	5.05E-05	7.60E-06	2.34E-05
1787	438516	3762849	8.99E-05	0.000306	1.40E-05	5.01E-05	7.52E-06	2.32E-05
1788	438516	3762839	8.9E-05	0.000303	1.38E-05	4.96E-05	7.45E-06	2.30E-05
1789	438516	3762829	8.8E-05	0.0003	1.37E-05	4.90E-05	7.36E-06	2.27E-05
1790	438516	3762819	8.68E-05	0.000296	1.35E-05	4.84E-05	7.27E-06	2.24E-05
1791	438516	3762809	8.57E-05	0.000292	1.33E-05	4.77E-05	7.17E-06	2.21E-05
1792	438516	3762800	8.45E-05	0.000288	1.31E-05	4.71E-05	7.07E-06	2.18E-05
1793	438516	3762790	8.33E-05	0.000284	1.29E-05	4.64E-05	6.97E-06	2.15E-05
1794	438516.1	3762780	8.2E-05	0.00028	1.27E-05	4.57E-05	6.87E-06	2.12E-05
1795	438516.1	3762770	8.08E-05	0.000275	1.25E-05	4.50E-05	6.76E-06	2.09E-05
1796	438516.1	3762760	7.95E-05	0.000271	1.23E-05	4.43E-05	6.65E-06	2.05E-05
1797	438516.1	3762751	7.82E-05	0.000267	1.21E-05	4.35E-05	6.54E-06	2.02E-05
1798	438516.1	3762741	7.69E-05	0.000262	1.19E-05	4.28E-05	6.43E-06	1.99E-05
1799	438516.1	3762731	7.55E-05	0.000258	1.17E-05	4.21E-05	6.32E-06	1.95E-05
1800	438516.1	3762721	7.42E-05	0.000253	1.15E-05	4.13E-05	6.21E-06	1.92E-05
1801	438544.6	3762896	8.85E-05	0.000302	1.37E-05	4.93E-05	7.41E-06	2.29E-05
1802	438541.7	3762905	8.97E-05	0.000306	1.39E-05	5.00E-05	7.51E-06	2.32E-05
1803	438538.9	3762915	9.1E-05	0.00031	1.41E-05	5.07E-05	7.62E-06	2.35E-05
1804	438536.1	3762924	9.23E-05	0.000315	1.43E-05	5.14E-05	7.72E-06	2.38E-05
1805	438533.2	3762933	9.36E-05	0.000319	1.45E-05	5.21E-05	7.83E-06	2.42E-05
1806	438530.4	3762943	9.49E-05	0.000324	1.47E-05	5.29E-05	7.94E-06	2.45E-05
1807	438527.5	3762952	9.61E-05	0.000328	1.49E-05	5.36E-05	8.05E-06	2.48E-05
1808	438524.7	3762962	9.73E-05	0.000332	1.51E-05	5.42E-05	8.15E-06	2.51E-05
1809	438521.9	3762971	9.84E-05	0.000335	1.53E-05	5.48E-05	8.23E-06	2.54E-05
1810	438519	3762980	9.93E-05	0.000339	1.54E-05	5.53E-05	8.31E-06	2.57E-05
1811	438516.2	3762990	0.0001	0.000342	1.56E-05	5.59E-05	8.39E-06	2.59E-05
1812	438513.3	3762999	0.000101	0.000345	1.57E-05	5.64E-05	8.47E-06	2.62E-05
1813	438510.5	3763008	0.000102	0.000348	1.59E-05	5.69E-05	8.55E-06	2.64E-05
1814	438507.7	3763018	0.000103	0.000351	1.60E-05	5.73E-05	8.62E-06	2.66E-05
1815	438504.8	3763027	0.000104	0.000354	1.61E-05	5.78E-05	8.69E-06	2.68E-05
1816	438502	3763036	0.000105	0.000357	1.63E-05	5.83E-05	8.76E-06	2.71E-05

1817	438499.1	3763046	0.000105	0.00036	1.64E-05	5.88E-05	8.83E-06	2.73E-05
1818	438496.3	3763055	0.000106	0.000362	1.65E-05	5.91E-05	8.89E-06	2.74E-05
1819	438493.5	3763065	0.000107	0.000364	1.66E-05	5.95E-05	8.93E-06	2.76E-05
1820	438490.6	3763074	0.000107	0.000366	1.67E-05	5.97E-05	8.98E-06	2.77E-05
1821	438487.8	3763083	0.000108	0.000367	1.67E-05	6.00E-05	9.01E-06	2.78E-05
1822	438484.9	3763093	0.000108	0.000368	1.68E-05	6.02E-05	9.04E-06	2.79E-05
1823	438482.1	3763102	0.000108	0.000369	1.68E-05	6.03E-05	9.07E-06	2.80E-05
1824	438479.3	3763111	0.000109	0.00037	1.69E-05	6.04E-05	9.08E-06	2.80E-05
1825	438476.4	3763121	0.000109	0.00037	1.69E-05	6.05E-05	9.09E-06	2.81E-05
1826	438473.6	3763130	0.000109	0.00037	1.69E-05	6.05E-05	9.09E-06	2.81E-05
1827	438470.7	3763140	0.000109	0.00037	1.69E-05	6.04E-05	9.08E-06	2.80E-05
1828	438467.9	3763149	0.000108	0.00037	1.69E-05	6.04E-05	9.08E-06	2.80E-05
1829	438465.1	3763158	0.000108	0.00037	1.68E-05	6.04E-05	9.07E-06	2.80E-05
1830	438462.2	3763168	0.000108	0.000369	1.68E-05	6.03E-05	9.06E-06	2.80E-05
1831	438459.4	3763177	0.000108	0.000368	1.68E-05	6.01E-05	9.03E-06	2.79E-05
1832	438456.5	3763186	0.000107	0.000366	1.67E-05	5.98E-05	8.99E-06	2.78E-05
1833	438453.7	3763196	0.000107	0.000364	1.66E-05	5.95E-05	8.94E-06	2.76E-05
1834	438450.9	3763205	0.000106	0.000362	1.65E-05	5.92E-05	8.89E-06	2.75E-05
1835	438448	3763214	0.000106	0.00036	1.64E-05	5.88E-05	8.84E-06	2.73E-05
1836	438445.2	3763224	0.000105	0.000357	1.63E-05	5.84E-05	8.77E-06	2.71E-05
1837	438442.3	3763233	0.000104	0.000354	1.61E-05	5.79E-05	8.70E-06	2.69E-05
1838	438439.5	3763243	0.000103	0.000351	1.60E-05	5.74E-05	8.62E-06	2.66E-05
1839	438436.7	3763252	0.000102	0.000348	1.58E-05	5.68E-05	8.54E-06	2.64E-05
1840	438433.8	3763261	0.000101	0.000344	1.57E-05	5.62E-05	8.45E-06	2.61E-05
1841	438431	3763271	9.97E-05	0.00034	1.55E-05	5.55E-05	8.35E-06	2.58E-05
1842	438428.1	3763280	9.84E-05	0.000336	1.53E-05	5.48E-05	8.24E-06	2.54E-05
1843	438425.3	3763289	9.7E-05	0.000331	1.51E-05	5.40E-05	8.12E-06	2.51E-05
1844	438422.5	3763299	9.55E-05	0.000326	1.48E-05	5.32E-05	7.99E-06	2.47E-05
1845	438419.6	3763308	9.39E-05	0.00032	1.46E-05	5.23E-05	7.86E-06	2.43E-05
1846	438416.8	3763318	9.26E-05	0.000316	1.44E-05	5.16E-05	7.75E-06	2.39E-05
1847	438413.9	3763327	9.1E-05	0.00031	1.41E-05	5.07E-05	7.62E-06	2.35E-05
1848	438411.1	3763336	8.93E-05	0.000304	1.39E-05	4.97E-05	7.47E-06	2.31E-05
1849	438408.2	3763346	8.75E-05	0.000298	1.36E-05	4.87E-05	7.32E-06	2.26E-05
1850	438405.4	3763355	8.57E-05	0.000292	1.33E-05	4.77E-05	7.17E-06	2.21E-05
1851	438402.6	3763364	8.39E-05	0.000286	1.30E-05	4.67E-05	7.02E-06	2.17E-05
1852	438399.7	3763374	8.2E-05	0.00028	1.27E-05	4.57E-05	6.86E-06	2.12E-05
1853	438396.9	3763383	8.01E-05	0.000273	1.24E-05	4.46E-05	6.70E-06	2.07E-05
1854	438394	3763392	7.82E-05	0.000267	1.22E-05	4.36E-05	6.55E-06	2.02E-05
1855	438391.2	3763402	7.63E-05	0.00026	1.19E-05	4.25E-05	6.39E-06	1.97E-05
1856	438555.9	3762859	8.37E-05	0.000285	1.30E-05	4.66E-05	7.00E-06	2.16E-05
1857	438556	3762849	8.28E-05	0.000282	1.29E-05	4.61E-05	6.93E-06	2.14E-05
1858	438556	3762839	8.19E-05	0.000279	1.27E-05	4.56E-05	6.85E-06	2.12E-05
1859	438556	3762829	8.1E-05	0.000276	1.26E-05	4.51E-05	6.78E-06	2.09E-05
1860	438556	3762819	8.01E-05	0.000273	1.25E-05	4.46E-05	6.71E-06	2.07E-05
1861	438556	3762809	7.92E-05	0.00027	1.23E-05	4.41E-05	6.63E-06	2.05E-05
1862	438556	3762800	7.81E-05	0.000266	1.21E-05	4.35E-05	6.54E-06	2.02E-05
1863	438556	3762790	7.7E-05	0.000263	1.20E-05	4.29E-05	6.45E-06	1.99E-05
1864	438556.1	3762780	7.6E-05	0.000259	1.18E-05	4.23E-05	6.36E-06	1.96E-05
1865	438556.1	3762770	7.48E-05	0.000255	1.16E-05	4.17E-05	6.26E-06	1.93E-05
1866	438556.1	3762760	7.37E-05	0.000251	1.15E-05	4.11E-05	6.17E-06	1.90E-05
1867	438556.1	3762751	7.26E-05	0.000247	1.13E-05	4.04E-05	6.07E-06	1.87E-05
1868	438556.1	3762741	7.14E-05	0.000243	1.11E-05	3.98E-05	5.98E-06	1.84E-05

1869	438556.1	3762731	7.02E-05	0.00024	1.09E-05	3.91E-05	5.88E-06	1.82E-05
1870	438556.1	3762721	6.91E-05	0.000236	1.07E-05	3.85E-05	5.78E-06	1.79E-05
1871	437546.8	3762710	0.005004	0.017063	7.78E-04	2.79E-03	4.19E-04	1.29E-03
1872	437537.4	3762710	0.005324	0.018154	8.27E-04	2.97E-03	4.46E-04	1.38E-03
1873	437528	3762710	0.005572	0.019001	8.66E-04	3.10E-03	4.66E-04	1.44E-03
1874	437518.6	3762710	0.005751	0.019611	8.94E-04	3.20E-03	4.81E-04	1.49E-03
1875	437509.2	3762710	0.005829	0.019877	9.06E-04	3.25E-03	4.88E-04	1.51E-03
1876	437499.8	3762710	0.005861	0.019986	9.11E-04	3.27E-03	4.91E-04	1.51E-03
1877	437490.4	3762710	0.005849	0.019945	9.09E-04	3.26E-03	4.90E-04	1.51E-03
1878	437481	3762710	0.005764	0.019654	8.96E-04	3.21E-03	4.82E-04	1.49E-03
1879	437471.6	3762710	0.005642	0.019239	8.77E-04	3.14E-03	4.72E-04	1.46E-03
1880	437462.2	3762710	0.00549	0.018721	8.53E-04	3.06E-03	4.60E-04	1.42E-03
1881	437452.8	3762710	0.005316	0.018127	8.26E-04	2.96E-03	4.45E-04	1.37E-03
1882	437546.8	3762700	0.003608	0.012303	5.61E-04	2.01E-03	3.02E-04	9.32E-04
1883	437537.4	3762700	0.003793	0.012935	5.89E-04	2.11E-03	3.18E-04	9.80E-04
1884	437528	3762700	0.003942	0.013442	6.13E-04	2.20E-03	3.30E-04	1.02E-03
1885	437518.6	3762700	0.004051	0.013813	6.29E-04	2.26E-03	3.39E-04	1.05E-03
1886	437509.2	3762700	0.0041	0.013982	6.37E-04	2.28E-03	3.43E-04	1.06E-03
1887	437499.8	3762700	0.004119	0.014044	6.40E-04	2.29E-03	3.45E-04	1.06E-03
1888	437490.4	3762700	0.004106	0.014002	6.38E-04	2.29E-03	3.44E-04	1.06E-03
1889	437481	3762700	0.004057	0.013834	6.30E-04	2.26E-03	3.40E-04	1.05E-03
1890	437471.6	3762700	0.003981	0.013576	6.19E-04	2.22E-03	3.33E-04	1.03E-03
1891	437462.2	3762700	0.003879	0.013229	6.03E-04	2.16E-03	3.25E-04	1.00E-03
1892	437452.8	3762700	0.003746	0.012775	5.82E-04	2.09E-03	3.14E-04	9.68E-04
1893	437546.8	3762690	0.002732	0.009317	4.25E-04	1.52E-03	2.29E-04	7.06E-04
1894	437537.4	3762690	0.002841	0.009688	4.41E-04	1.58E-03	2.38E-04	7.34E-04
1895	437528	3762690	0.00293	0.009992	4.55E-04	1.63E-03	2.45E-04	7.57E-04
1896	437518.6	3762690	0.002995	0.010213	4.65E-04	1.67E-03	2.51E-04	7.74E-04
1897	437509.2	3762690	0.003024	0.010313	4.70E-04	1.68E-03	2.53E-04	7.81E-04
1898	437499.8	3762690	0.003033	0.010343	4.71E-04	1.69E-03	2.54E-04	7.84E-04
1899	437490.4	3762690	0.00302	0.010298	4.69E-04	1.68E-03	2.53E-04	7.80E-04
1900	437481	3762690	0.002987	0.010187	4.64E-04	1.66E-03	2.50E-04	7.72E-04
1901	437471.6	3762690	0.002937	0.010014	4.56E-04	1.64E-03	2.46E-04	7.59E-04
1902	437462.2	3762690	0.002867	0.009777	4.45E-04	1.60E-03	2.40E-04	7.41E-04
1903	437452.8	3762690	0.002766	0.009432	4.30E-04	1.54E-03	2.32E-04	7.15E-04
1904	437546.8	3762680	0.00215	0.007332	3.34E-04	1.20E-03	1.80E-04	5.56E-04
1905	437537.4	3762680	0.002212	0.007541	3.44E-04	1.23E-03	1.85E-04	5.71E-04
1906	437528	3762680	0.002259	0.007704	3.51E-04	1.26E-03	1.89E-04	5.84E-04
1907	437518.6	3762680	0.002293	0.007818	3.56E-04	1.28E-03	1.92E-04	5.92E-04
1908	437509.2	3762680	0.002312	0.007884	3.59E-04	1.29E-03	1.94E-04	5.97E-04
1909	437499.8	3762680	0.002318	0.007903	3.60E-04	1.29E-03	1.94E-04	5.99E-04
1910	437490.4	3762680	0.002308	0.007869	3.59E-04	1.29E-03	1.93E-04	5.96E-04
1911	437481	3762680	0.002285	0.00779	3.55E-04	1.27E-03	1.91E-04	5.90E-04
1912	437471.6	3762680	0.002248	0.007665	3.49E-04	1.25E-03	1.88E-04	5.81E-04
1913	437462.2	3762680	0.002198	0.007494	3.41E-04	1.22E-03	1.84E-04	5.68E-04
1914	437452.8	3762680	0.002127	0.007253	3.31E-04	1.18E-03	1.78E-04	5.50E-04
1915	437546.7	3762670	0.001736	0.005919	2.70E-04	9.67E-04	1.45E-04	4.49E-04
1916	437537.4	3762670	0.001771	0.006039	2.75E-04	9.86E-04	1.48E-04	4.58E-04
1917	437528	3762670	0.001796	0.006124	2.79E-04	1.00E-03	1.50E-04	4.64E-04
1918	437518.6	3762670	0.001812	0.006179	2.82E-04	1.01E-03	1.52E-04	4.68E-04
1919	437509.2	3762670	0.001824	0.00622	2.83E-04	1.02E-03	1.53E-04	4.71E-04
1920	437499.8	3762670	0.001826	0.006228	2.84E-04	1.02E-03	1.53E-04	4.72E-04

1921	437490.4	3762670	0.001819	0.006201	2.83E-04	1.01E-03	1.52E-04	4.70E-04
1922	437481	3762670	0.001801	0.00614	2.80E-04	1.00E-03	1.51E-04	4.65E-04
1923	437471.6	3762670	0.001773	0.006044	2.75E-04	9.87E-04	1.48E-04	4.58E-04
1924	437462.2	3762670	0.001735	0.005916	2.70E-04	9.66E-04	1.45E-04	4.48E-04
1925	437452.8	3762670	0.001683	0.00574	2.62E-04	9.38E-04	1.41E-04	4.35E-04
1926	437443.5	3762670	0.001622	0.005532	2.52E-04	9.04E-04	1.36E-04	4.19E-04
1927	437581.6	3762670	0.001532	0.005224	2.38E-04	8.53E-04	1.28E-04	3.96E-04
1928	437590.1	3762674	0.001564	0.005333	2.43E-04	8.71E-04	1.31E-04	4.04E-04
1929	437546.7	3762660	0.00143	0.004875	2.22E-04	7.96E-04	1.20E-04	3.69E-04
1930	437537.4	3762660	0.00145	0.004944	2.25E-04	8.08E-04	1.21E-04	3.75E-04
1931	437528	3762660	0.001462	0.004987	2.27E-04	8.15E-04	1.22E-04	3.78E-04
1932	437518.6	3762660	0.001469	0.005008	2.28E-04	8.18E-04	1.23E-04	3.80E-04
1933	437509.2	3762660	0.001476	0.005032	2.29E-04	8.22E-04	1.24E-04	3.81E-04
1934	437499.8	3762660	0.001476	0.005032	2.29E-04	8.22E-04	1.24E-04	3.81E-04
1935	437490.4	3762660	0.001469	0.005008	2.28E-04	8.18E-04	1.23E-04	3.79E-04
1936	437481	3762660	0.001454	0.004957	2.26E-04	8.10E-04	1.22E-04	3.76E-04
1937	437471.6	3762660	0.001432	0.004882	2.22E-04	7.98E-04	1.20E-04	3.70E-04
1938	437462.2	3762660	0.001402	0.004782	2.18E-04	7.81E-04	1.17E-04	3.62E-04
1939	437452.8	3762660	0.001364	0.00465	2.12E-04	7.60E-04	1.14E-04	3.52E-04
1940	437443.4	3762660	0.001318	0.004494	2.05E-04	7.34E-04	1.10E-04	3.41E-04
1941	437597.4	3762667	0.001346	0.00459	2.09E-04	7.50E-04	1.13E-04	3.48E-04
1942	437546.7	3762650	0.001197	0.004082	1.86E-04	6.67E-04	1.00E-04	3.09E-04
1943	437537.4	3762650	0.00121	0.004127	1.88E-04	6.74E-04	1.01E-04	3.13E-04
1944	437528	3762650	0.001218	0.004153	1.89E-04	6.78E-04	1.02E-04	3.15E-04
1945	437518.6	3762650	0.001221	0.004162	1.90E-04	6.80E-04	1.02E-04	3.15E-04
1946	437509.2	3762650	0.001223	0.004171	1.90E-04	6.81E-04	1.02E-04	3.16E-04
1947	437499.8	3762650	0.001221	0.004163	1.90E-04	6.80E-04	1.02E-04	3.15E-04
1948	437490.4	3762650	0.001213	0.004135	1.88E-04	6.76E-04	1.02E-04	3.13E-04
1949	437481	3762650	0.0012	0.004092	1.86E-04	6.68E-04	1.00E-04	3.10E-04
1950	437471.6	3762650	0.001182	0.00403	1.84E-04	6.58E-04	9.89E-05	3.05E-04
1951	437462.2	3762650	0.001158	0.003949	1.80E-04	6.45E-04	9.69E-05	2.99E-04
1952	437452.8	3762650	0.001128	0.003846	1.75E-04	6.28E-04	9.44E-05	2.91E-04
1953	437443.4	3762650	0.001093	0.003727	1.70E-04	6.09E-04	9.15E-05	2.82E-04
1954	437596.6	3762656	0.001153	0.003931	1.79E-04	6.42E-04	9.65E-05	2.98E-04
1955	437616.1	3762671	0.001307	0.004456	2.03E-04	7.28E-04	1.09E-04	3.38E-04
1956	437546.7	3762640	0.001016	0.003465	1.58E-04	5.66E-04	8.51E-05	2.63E-04
1957	437537.4	3762640	0.001025	0.003493	1.59E-04	5.71E-04	8.58E-05	2.65E-04
1958	437528	3762640	0.001029	0.003508	1.60E-04	5.73E-04	8.61E-05	2.66E-04
1959	437518.6	3762640	0.001029	0.00351	1.60E-04	5.73E-04	8.61E-05	2.66E-04
1960	437509.2	3762640	0.001029	0.003509	1.60E-04	5.73E-04	8.61E-05	2.66E-04
1961	437499.8	3762640	0.001025	0.003496	1.59E-04	5.71E-04	8.58E-05	2.65E-04
1962	437490.4	3762640	0.001017	0.003469	1.58E-04	5.67E-04	8.51E-05	2.63E-04
1963	437481	3762640	0.001006	0.003431	1.56E-04	5.60E-04	8.42E-05	2.60E-04
1964	437471.6	3762640	0.000991	0.003378	1.54E-04	5.52E-04	8.29E-05	2.56E-04
1965	437462.2	3762640	0.000971	0.003311	1.51E-04	5.41E-04	8.13E-05	2.51E-04
1966	437452.8	3762640	0.000947	0.003229	1.47E-04	5.27E-04	7.92E-05	2.45E-04
1967	437443.4	3762640	0.000919	0.003134	1.43E-04	5.12E-04	7.69E-05	2.37E-04
1968	437595.9	3762646	0.000996	0.003397	1.55E-04	5.55E-04	8.34E-05	2.57E-04
1969	437611.9	3762653	0.001027	0.003501	1.60E-04	5.72E-04	8.59E-05	2.65E-04
1970	437623.1	3762664	0.001135	0.003872	1.76E-04	6.33E-04	9.50E-05	2.93E-04
1971	437546.7	3762630	0.000872	0.002974	1.36E-04	4.86E-04	7.30E-05	2.25E-04
1972	437537.4	3762630	0.000877	0.002992	1.36E-04	4.89E-04	7.34E-05	2.27E-04

1973	437528	3762630	0.000879	0.002999	1.37E-04	4.90E-04	7.36E-05	2.27E-04
1974	437518.6	3762630	0.000879	0.002996	1.37E-04	4.89E-04	7.35E-05	2.27E-04
1975	437509.2	3762630	0.000877	0.00299	1.36E-04	4.88E-04	7.34E-05	2.27E-04
1976	437499.8	3762630	0.000872	0.002975	1.36E-04	4.86E-04	7.30E-05	2.25E-04
1977	437490.4	3762630	0.000865	0.002948	1.34E-04	4.82E-04	7.24E-05	2.23E-04
1978	437481	3762630	0.000855	0.002914	1.33E-04	4.76E-04	7.15E-05	2.21E-04
1979	437471.6	3762630	0.000841	0.002869	1.31E-04	4.69E-04	7.04E-05	2.17E-04
1980	437462.2	3762630	0.000825	0.002812	1.28E-04	4.59E-04	6.90E-05	2.13E-04
1981	437452.8	3762630	0.000805	0.002745	1.25E-04	4.48E-04	6.74E-05	2.08E-04
1982	437443.4	3762630	0.000782	0.002668	1.22E-04	4.36E-04	6.55E-05	2.02E-04
1983	437595.5	3762636	0.000867	0.002955	1.35E-04	4.83E-04	7.25E-05	2.24E-04
1984	437611.2	3762643	0.000896	0.003057	1.39E-04	4.99E-04	7.50E-05	2.32E-04
1985	437630.2	3762657	0.000996	0.003395	1.55E-04	5.55E-04	8.33E-05	2.57E-04
1986	437636.7	3762673	0.001183	0.004035	1.84E-04	6.59E-04	9.90E-05	3.06E-04
1987	437546.7	3762620	0.000756	0.002579	1.17E-04	4.21E-04	6.33E-05	1.95E-04
1988	437537.4	3762620	0.000759	0.00259	1.18E-04	4.23E-04	6.36E-05	1.96E-04
1989	437528	3762620	0.00076	0.002593	1.18E-04	4.24E-04	6.36E-05	1.96E-04
1990	437518.6	3762620	0.000759	0.002588	1.18E-04	4.23E-04	6.35E-05	1.96E-04
1991	437509.2	3762620	0.000756	0.002579	1.17E-04	4.21E-04	6.33E-05	1.95E-04
1992	437499.8	3762620	0.000751	0.002562	1.17E-04	4.18E-04	6.29E-05	1.94E-04
1993	437490.4	3762620	0.000744	0.002536	1.16E-04	4.14E-04	6.23E-05	1.92E-04
1994	437481	3762620	0.000734	0.002504	1.14E-04	4.09E-04	6.15E-05	1.90E-04
1995	437471.6	3762620	0.000723	0.002464	1.12E-04	4.02E-04	6.05E-05	1.87E-04
1996	437462.2	3762620	0.000708	0.002415	1.10E-04	3.95E-04	5.93E-05	1.83E-04
1997	437452.8	3762620	0.000692	0.002359	1.08E-04	3.85E-04	5.79E-05	1.79E-04
1998	437443.4	3762620	0.000674	0.002297	1.05E-04	3.75E-04	5.64E-05	1.74E-04
1999	437590.1	3762614	0.00066	0.002251	1.03E-04	3.68E-04	5.52E-05	1.71E-04
2000	437598.6	3762617	0.000676	0.002306	1.05E-04	3.77E-04	5.66E-05	1.75E-04
2001	437607.1	3762621	0.000691	0.002355	1.07E-04	3.85E-04	5.78E-05	1.78E-04
2002	437615.6	3762624	0.000703	0.002397	1.09E-04	3.92E-04	5.88E-05	1.82E-04
2003	437624.1	3762628	0.000713	0.002432	1.11E-04	3.97E-04	5.97E-05	1.84E-04
2004	437632.6	3762631	0.000721	0.00246	1.12E-04	4.02E-04	6.04E-05	1.86E-04
2005	437644.6	3762643	0.00079	0.002695	1.23E-04	4.40E-04	6.62E-05	2.04E-04
2006	437648.1	3762652	0.000859	0.002929	1.33E-04	4.79E-04	7.19E-05	2.22E-04
2007	437651.6	3762660	0.000934	0.003183	1.45E-04	5.20E-04	7.81E-05	2.41E-04
2008	437655.1	3762669	0.001015	0.003462	1.58E-04	5.66E-04	8.50E-05	2.62E-04
2009	437665.6	3762694	0.001292	0.004407	2.01E-04	7.20E-04	1.08E-04	3.34E-04
2010	437669.1	3762703	0.001392	0.004746	2.16E-04	7.75E-04	1.16E-04	3.60E-04
2011	437672.6	3762711	0.001492	0.005088	2.32E-04	8.31E-04	1.25E-04	3.86E-04
2012	437546.7	3762600	0.000582	0.001985	9.05E-05	3.24E-04	4.87E-05	1.50E-04
2013	437537.4	3762600	0.000583	0.001988	9.06E-05	3.25E-04	4.88E-05	1.51E-04
2014	437528	3762600	0.000582	0.001986	9.05E-05	3.24E-04	4.87E-05	1.50E-04
2015	437518.6	3762600	0.00058	0.001978	9.01E-05	3.23E-04	4.86E-05	1.50E-04
2016	437509.2	3762600	0.000577	0.001966	8.96E-05	3.21E-04	4.83E-05	1.49E-04
2017	437499.8	3762600	0.000572	0.001949	8.88E-05	3.18E-04	4.79E-05	1.48E-04
2018	437490.4	3762600	0.000565	0.001928	8.78E-05	3.15E-04	4.73E-05	1.46E-04
2019	437481	3762600	0.000557	0.001901	8.66E-05	3.11E-04	4.67E-05	1.44E-04
2020	437471.6	3762600	0.000548	0.00187	8.52E-05	3.05E-04	4.59E-05	1.42E-04
2021	437462.2	3762600	0.000538	0.001834	8.36E-05	3.00E-04	4.50E-05	1.39E-04
2022	437452.8	3762600	0.000526	0.001795	8.18E-05	2.93E-04	4.41E-05	1.36E-04
2023	437443.4	3762600	0.000514	0.001753	7.99E-05	2.86E-04	4.30E-05	1.33E-04
2024	437597.4	3762597	0.000534	0.001822	8.30E-05	2.98E-04	4.47E-05	1.38E-04

2025	437613.9	3762604	0.000557	0.0019	8.66E-05	3.10E-04	4.66E-05	1.44E-04
2026	437630.4	3762611	0.000575	0.001961	8.93E-05	3.20E-04	4.81E-05	1.49E-04
2027	437647	3762617	0.000588	0.002004	9.13E-05	3.27E-04	4.92E-05	1.52E-04
2028	437658.6	3762629	0.000637	0.002172	9.90E-05	3.55E-04	5.33E-05	1.65E-04
2029	437665.4	3762646	0.000738	0.002518	1.15E-04	4.11E-04	6.18E-05	1.91E-04
2030	437672.3	3762662	0.000856	0.002918	1.33E-04	4.77E-04	7.16E-05	2.21E-04
2031	437679.1	3762679	0.000989	0.003373	1.54E-04	5.51E-04	8.28E-05	2.56E-04
2032	437682.5	3762687	0.001061	0.003617	1.65E-04	5.91E-04	8.88E-05	2.74E-04
2033	437689.3	3762703	0.001208	0.00412	1.88E-04	6.73E-04	1.01E-04	3.12E-04
2034	437546.7	3762580	0.00046	0.001569	7.15E-05	2.56E-04	3.85E-05	1.19E-04
2035	437537.4	3762580	0.00046	0.001567	7.14E-05	2.56E-04	3.85E-05	1.19E-04
2036	437528	3762580	0.000458	0.001562	7.12E-05	2.55E-04	3.83E-05	1.18E-04
2037	437518.6	3762580	0.000455	0.001553	7.08E-05	2.54E-04	3.81E-05	1.18E-04
2038	437509.2	3762580	0.000452	0.00154	7.02E-05	2.52E-04	3.78E-05	1.17E-04
2039	437499.8	3762580	0.000447	0.001525	6.95E-05	2.49E-04	3.74E-05	1.16E-04
2040	437490.4	3762580	0.000442	0.001506	6.86E-05	2.46E-04	3.70E-05	1.14E-04
2041	437481	3762580	0.000436	0.001485	6.77E-05	2.43E-04	3.65E-05	1.13E-04
2042	437471.6	3762580	0.000429	0.001462	6.66E-05	2.39E-04	3.59E-05	1.11E-04
2043	437462.2	3762580	0.000421	0.001436	6.54E-05	2.35E-04	3.52E-05	1.09E-04
2044	437452.8	3762580	0.000413	0.001407	6.41E-05	2.30E-04	3.45E-05	1.07E-04
2045	437443.4	3762580	0.000404	0.001377	6.28E-05	2.25E-04	3.38E-05	1.04E-04
2046	437596.6	3762576	0.000431	0.001469	6.69E-05	2.40E-04	3.60E-05	1.11E-04
2047	437612.7	3762583	0.00045	0.001535	6.99E-05	2.51E-04	3.77E-05	1.16E-04
2048	437628.9	3762590	0.000466	0.00159	7.24E-05	2.60E-04	3.90E-05	1.20E-04
2049	437645.1	3762597	0.000479	0.001632	7.44E-05	2.67E-04	4.01E-05	1.24E-04
2050	437661.3	3762603	0.000488	0.001663	7.58E-05	2.72E-04	4.08E-05	1.26E-04
2051	437672.7	3762615	0.000524	0.001788	8.15E-05	2.92E-04	4.39E-05	1.35E-04
2052	437679.4	3762631	0.000599	0.002041	9.30E-05	3.33E-04	5.01E-05	1.55E-04
2053	437686.1	3762647	0.000684	0.002331	1.06E-04	3.81E-04	5.72E-05	1.77E-04
2054	437692.8	3762663	0.00078	0.002659	1.21E-04	4.34E-04	6.53E-05	2.01E-04
2055	437699.4	3762679	0.000886	0.003022	1.38E-04	4.94E-04	7.42E-05	2.29E-04
2056	437706.1	3762696	0.000999	0.003405	1.55E-04	5.56E-04	8.36E-05	2.58E-04
2057	437546.7	3762560	0.000371	0.001266	5.77E-05	2.07E-04	3.11E-05	9.60E-05
2058	437537.3	3762560	0.00037	0.001262	5.75E-05	2.06E-04	3.10E-05	9.57E-05
2059	437528	3762560	0.000368	0.001256	5.72E-05	2.05E-04	3.08E-05	9.52E-05
2060	437518.6	3762560	0.000366	0.001247	5.68E-05	2.04E-04	3.06E-05	9.45E-05
2061	437509.2	3762560	0.000362	0.001236	5.63E-05	2.02E-04	3.03E-05	9.37E-05
2062	437499.8	3762560	0.000359	0.001223	5.57E-05	2.00E-04	3.00E-05	9.26E-05
2063	437490.4	3762560	0.000354	0.001207	5.50E-05	1.97E-04	2.96E-05	9.15E-05
2064	437481	3762560	0.000349	0.00119	5.42E-05	1.94E-04	2.92E-05	9.02E-05
2065	437471.6	3762560	0.000344	0.001171	5.34E-05	1.91E-04	2.88E-05	8.88E-05
2066	437462.2	3762560	0.000338	0.001151	5.25E-05	1.88E-04	2.83E-05	8.72E-05
2067	437452.8	3762560	0.000331	0.00113	5.15E-05	1.85E-04	2.77E-05	8.56E-05
2068	437443.4	3762560	0.000325	0.001108	5.05E-05	1.81E-04	2.72E-05	8.39E-05
2069	437598.6	3762557	0.000356	0.001214	5.53E-05	1.98E-04	2.98E-05	9.20E-05
2070	437607.1	3762561	0.000365	0.001244	5.67E-05	2.03E-04	3.05E-05	9.43E-05
2071	437615.6	3762564	0.000373	0.001272	5.80E-05	2.08E-04	3.12E-05	9.64E-05
2072	437624.1	3762568	0.000381	0.001298	5.91E-05	2.12E-04	3.19E-05	9.83E-05
2073	437632.6	3762571	0.000387	0.001321	6.02E-05	2.16E-04	3.24E-05	1.00E-04
2074	437641.1	3762575	0.000393	0.001342	6.11E-05	2.19E-04	3.29E-05	1.02E-04
2075	437649.5	3762578	0.000399	0.00136	6.20E-05	2.22E-04	3.34E-05	1.03E-04
2076	437658	3762582	0.000404	0.001376	6.27E-05	2.25E-04	3.38E-05	1.04E-04

2077	437666.5	3762585	0.000407	0.00139	6.33E-05	2.27E-04	3.41E-05	1.05E-04
2078	437675	3762589	0.000411	0.001401	6.38E-05	2.29E-04	3.44E-05	1.06E-04
2079	437687	3762601	0.000441	0.001502	6.85E-05	2.45E-04	3.69E-05	1.14E-04
2080	437690.5	3762610	0.00047	0.001602	7.30E-05	2.62E-04	3.93E-05	1.21E-04
2081	437694	3762618	0.000501	0.001708	7.78E-05	2.79E-04	4.19E-05	1.29E-04
2082	437697.5	3762627	0.000534	0.001822	8.30E-05	2.98E-04	4.47E-05	1.38E-04
2083	437701.1	3762635	0.00057	0.001943	8.85E-05	3.17E-04	4.77E-05	1.47E-04
2084	437704.6	3762644	0.000608	0.002073	9.44E-05	3.39E-04	5.09E-05	1.57E-04
2085	437708.1	3762652	0.000648	0.002209	1.01E-04	3.61E-04	5.42E-05	1.67E-04
2086	437711.6	3762661	0.00069	0.002353	1.07E-04	3.84E-04	5.78E-05	1.78E-04
2087	437715.1	3762669	0.000735	0.002505	1.14E-04	4.09E-04	6.15E-05	1.90E-04
2088	437718.6	3762678	0.00078	0.002661	1.21E-04	4.35E-04	6.53E-05	2.02E-04
2089	437722.1	3762686	0.000827	0.00282	1.29E-04	4.61E-04	6.92E-05	2.14E-04
2090	437725.6	3762694	0.000874	0.002981	1.36E-04	4.87E-04	7.32E-05	2.26E-04
2091	437729.1	3762703	0.000922	0.003143	1.43E-04	5.13E-04	7.71E-05	2.38E-04
2092	437732.6	3762711	0.000968	0.003302	1.50E-04	5.39E-04	8.10E-05	2.50E-04
2093	437546.7	3762540	0.000305	0.00104	4.74E-05	1.70E-04	2.55E-05	7.88E-05
2094	437537.3	3762540	0.000304	0.001036	4.72E-05	1.69E-04	2.54E-05	7.85E-05
2095	437528	3762540	0.000302	0.001029	4.69E-05	1.68E-04	2.53E-05	7.80E-05
2096	437518.6	3762540	0.000299	0.001021	4.65E-05	1.67E-04	2.51E-05	7.73E-05
2097	437509.2	3762540	0.000296	0.001011	4.61E-05	1.65E-04	2.48E-05	7.66E-05
2098	437499.8	3762540	0.000293	0.001	4.56E-05	1.63E-04	2.45E-05	7.57E-05
2099	437490.4	3762540	0.000289	0.000987	4.50E-05	1.61E-04	2.42E-05	7.48E-05
2100	437481	3762540	0.000285	0.000973	4.43E-05	1.59E-04	2.39E-05	7.37E-05
2101	437471.6	3762540	0.000281	0.000958	4.37E-05	1.57E-04	2.35E-05	7.26E-05
2102	437462.2	3762540	0.000276	0.000943	4.30E-05	1.54E-04	2.31E-05	7.14E-05
2103	437452.8	3762540	0.000272	0.000926	4.22E-05	1.51E-04	2.27E-05	7.02E-05
2104	437443.4	3762540	0.000267	0.000909	4.14E-05	1.49E-04	2.23E-05	6.89E-05
2105	437631.1	3762551	0.000323	0.001101	5.02E-05	1.80E-04	2.70E-05	8.34E-05
2106	437639.4	3762554	0.000328	0.00112	5.10E-05	1.83E-04	2.75E-05	8.48E-05
2107	437647.7	3762558	0.000333	0.001137	5.18E-05	1.86E-04	2.79E-05	8.61E-05
2108	437656	3762561	0.000338	0.001152	5.25E-05	1.88E-04	2.83E-05	8.73E-05
2109	437672.7	3762568	0.000345	0.001177	5.36E-05	1.92E-04	2.89E-05	8.92E-05
2110	437681	3762571	0.000348	0.001187	5.41E-05	1.94E-04	2.91E-05	9.00E-05
2111	437689.3	3762575	0.000351	0.001195	5.45E-05	1.95E-04	2.93E-05	9.06E-05
2112	437701.1	3762587	0.000374	0.001274	5.80E-05	2.08E-04	3.13E-05	9.65E-05
2113	437708	3762603	0.00042	0.001432	6.52E-05	2.34E-04	3.51E-05	1.08E-04
2114	437714.9	3762620	0.000472	0.001611	7.34E-05	2.63E-04	3.95E-05	1.22E-04
2115	437718.3	3762628	0.000501	0.001708	7.78E-05	2.79E-04	4.19E-05	1.29E-04
2116	437725.2	3762645	0.000563	0.00192	8.75E-05	3.14E-04	4.71E-05	1.46E-04
2117	437732.1	3762662	0.000631	0.002153	9.81E-05	3.52E-04	5.28E-05	1.63E-04
2118	437738.9	3762678	0.000704	0.002402	1.09E-04	3.92E-04	5.90E-05	1.82E-04
2119	437742.4	3762687	0.000742	0.002529	1.15E-04	4.13E-04	6.21E-05	1.92E-04
2120	437749.3	3762703	0.000817	0.002786	1.27E-04	4.55E-04	6.84E-05	2.11E-04
2121	437546.7	3762520	0.000254	0.000868	3.95E-05	1.42E-04	2.13E-05	6.57E-05
2122	437537.3	3762520	0.000253	0.000862	3.93E-05	1.41E-04	2.12E-05	6.54E-05
2123	437528	3762520	0.000251	0.000856	3.90E-05	1.40E-04	2.10E-05	6.49E-05
2124	437518.6	3762520	0.000249	0.000849	3.87E-05	1.39E-04	2.08E-05	6.43E-05
2125	437509.2	3762520	0.000246	0.00084	3.83E-05	1.37E-04	2.06E-05	6.37E-05
2126	437499.8	3762520	0.000244	0.000831	3.78E-05	1.36E-04	2.04E-05	6.29E-05
2127	437490.4	3762520	0.000241	0.00082	3.74E-05	1.34E-04	2.01E-05	6.22E-05
2128	437481	3762520	0.000237	0.000809	3.69E-05	1.32E-04	1.99E-05	6.13E-05

2129	437471.6	3762520	0.000234	0.000798	3.63E-05	1.30E-04	1.96E-05	6.04E-05
2130	437462.2	3762520	0.00023	0.000785	3.58E-05	1.28E-04	1.93E-05	5.95E-05
2131	437452.8	3762520	0.000227	0.000773	3.52E-05	1.26E-04	1.90E-05	5.85E-05
2132	437443.4	3762520	0.000223	0.000759	3.46E-05	1.24E-04	1.86E-05	5.75E-05
2133	437625.3	3762528	0.000269	0.000919	4.19E-05	1.50E-04	2.25E-05	6.96E-05
2134	437634	3762532	0.000275	0.000937	4.27E-05	1.53E-04	2.30E-05	7.10E-05
2135	437642.6	3762536	0.00028	0.000954	4.35E-05	1.56E-04	2.34E-05	7.23E-05
2136	437651.3	3762539	0.000284	0.000969	4.42E-05	1.58E-04	2.38E-05	7.35E-05
2137	437659.9	3762543	0.000288	0.000984	4.48E-05	1.61E-04	2.41E-05	7.45E-05
2138	437668.6	3762546	0.000292	0.000996	4.54E-05	1.63E-04	2.44E-05	7.55E-05
2139	437677.2	3762550	0.000295	0.001007	4.59E-05	1.65E-04	2.47E-05	7.63E-05
2140	437685.9	3762554	0.000298	0.001017	4.63E-05	1.66E-04	2.50E-05	7.70E-05
2141	437694.5	3762557	0.000301	0.001025	4.67E-05	1.67E-04	2.52E-05	7.76E-05
2142	437703.2	3762561	0.000302	0.001031	4.70E-05	1.68E-04	2.53E-05	7.81E-05
2143	437715.4	3762573	0.000321	0.001096	4.99E-05	1.79E-04	2.69E-05	8.31E-05
2144	437719	3762582	0.00034	0.00116	5.28E-05	1.89E-04	2.85E-05	8.79E-05
2145	437722.5	3762590	0.00036	0.001227	5.59E-05	2.01E-04	3.01E-05	9.30E-05
2146	437726.1	3762599	0.000381	0.001299	5.92E-05	2.12E-04	3.19E-05	9.85E-05
2147	437729.7	3762608	0.000403	0.001376	6.27E-05	2.25E-04	3.38E-05	1.04E-04
2148	437733.3	3762616	0.000427	0.001457	6.64E-05	2.38E-04	3.58E-05	1.10E-04
2149	437736.8	3762625	0.000452	0.001543	7.03E-05	2.52E-04	3.79E-05	1.17E-04
2150	437740.4	3762634	0.000479	0.001633	7.44E-05	2.67E-04	4.01E-05	1.24E-04
2151	437744	3762642	0.000507	0.001728	7.87E-05	2.82E-04	4.24E-05	1.31E-04
2152	437747.6	3762651	0.000536	0.001827	8.32E-05	2.98E-04	4.48E-05	1.38E-04
2153	437751.1	3762659	0.000566	0.00193	8.79E-05	3.15E-04	4.74E-05	1.46E-04
2154	437754.7	3762668	0.000597	0.002036	9.28E-05	3.33E-04	5.00E-05	1.54E-04
2155	437758.3	3762677	0.000629	0.002144	9.77E-05	3.50E-04	5.26E-05	1.62E-04
2156	437761.8	3762685	0.000661	0.002253	1.03E-04	3.68E-04	5.53E-05	1.71E-04
2157	437765.4	3762694	0.000693	0.002364	1.08E-04	3.86E-04	5.80E-05	1.79E-04
2158	437546.7	3762500	0.000215	0.000733	3.34E-05	1.20E-04	1.80E-05	5.55E-05
2159	437537.3	3762500	0.000213	0.000728	3.32E-05	1.19E-04	1.79E-05	5.52E-05
2160	437528	3762500	0.000212	0.000722	3.29E-05	1.18E-04	1.77E-05	5.47E-05
2161	437518.6	3762500	0.00021	0.000715	3.26E-05	1.17E-04	1.76E-05	5.42E-05
2162	437509.2	3762500	0.000208	0.000708	3.22E-05	1.16E-04	1.74E-05	5.36E-05
2163	437499.8	3762500	0.000205	0.0007	3.19E-05	1.14E-04	1.72E-05	5.30E-05
2164	437490.4	3762500	0.000203	0.000691	3.15E-05	1.13E-04	1.70E-05	5.24E-05
2165	437481	3762500	0.0002	0.000682	3.11E-05	1.11E-04	1.67E-05	5.17E-05
2166	437471.6	3762500	0.000197	0.000673	3.06E-05	1.10E-04	1.65E-05	5.10E-05
2167	437462.2	3762500	0.000194	0.000663	3.02E-05	1.08E-04	1.63E-05	5.02E-05
2168	437452.8	3762500	0.000191	0.000653	2.97E-05	1.07E-04	1.60E-05	4.95E-05
2169	437443.4	3762500	0.000188	0.000643	2.93E-05	1.05E-04	1.58E-05	4.87E-05
2170	437590.1	3762494	0.000208	0.00071	3.23E-05	1.16E-04	1.74E-05	5.38E-05
2171	437598.6	3762497	0.000214	0.000729	3.32E-05	1.19E-04	1.79E-05	5.52E-05
2172	437607.1	3762501	0.000219	0.000747	3.40E-05	1.22E-04	1.83E-05	5.66E-05
2173	437615.6	3762504	0.000224	0.000765	3.49E-05	1.25E-04	1.88E-05	5.80E-05
2174	437624.1	3762508	0.000229	0.000782	3.56E-05	1.28E-04	1.92E-05	5.92E-05
2175	437632.6	3762511	0.000234	0.000798	3.63E-05	1.30E-04	1.96E-05	6.04E-05
2176	437641	3762515	0.000238	0.000813	3.70E-05	1.33E-04	2.00E-05	6.16E-05
2177	437649.5	3762518	0.000243	0.000827	3.77E-05	1.35E-04	2.03E-05	6.27E-05
2178	437658	3762522	0.000246	0.00084	3.83E-05	1.37E-04	2.06E-05	6.36E-05
2179	437666.5	3762525	0.00025	0.000852	3.88E-05	1.39E-04	2.09E-05	6.45E-05
2180	437675	3762529	0.000253	0.000863	3.93E-05	1.41E-04	2.12E-05	6.54E-05

2181	437683.5	3762533	0.000256	0.000872	3.97E-05	1.42E-04	2.14E-05	6.61E-05
2182	437692	3762536	0.000258	0.000881	4.01E-05	1.44E-04	2.16E-05	6.67E-05
2183	437700.5	3762540	0.00026	0.000888	4.05E-05	1.45E-04	2.18E-05	6.73E-05
2184	437709	3762543	0.000262	0.000894	4.07E-05	1.46E-04	2.19E-05	6.77E-05
2185	437717.5	3762547	0.000264	0.000899	4.09E-05	1.47E-04	2.21E-05	6.81E-05
2186	437729.5	3762559	0.000279	0.00095	4.33E-05	1.55E-04	2.33E-05	7.20E-05
2187	437736.5	3762576	0.000309	0.001053	4.80E-05	1.72E-04	2.59E-05	7.98E-05
2188	437740	3762584	0.000325	0.00111	5.06E-05	1.81E-04	2.72E-05	8.41E-05
2189	437743.5	3762593	0.000343	0.001169	5.33E-05	1.91E-04	2.87E-05	8.86E-05
2190	437747	3762601	0.000361	0.001232	5.62E-05	2.01E-04	3.02E-05	9.34E-05
2191	437750.5	3762610	0.000381	0.001299	5.92E-05	2.12E-04	3.19E-05	9.85E-05
2192	437754	3762618	0.000402	0.00137	6.24E-05	2.24E-04	3.36E-05	1.04E-04
2193	437757.5	3762627	0.000424	0.001444	6.58E-05	2.36E-04	3.55E-05	1.09E-04
2194	437761.1	3762635	0.000446	0.001522	6.93E-05	2.49E-04	3.74E-05	1.15E-04
2195	437764.6	3762644	0.00047	0.001602	7.30E-05	2.62E-04	3.93E-05	1.21E-04
2196	437768.1	3762652	0.000494	0.001686	7.68E-05	2.75E-04	4.14E-05	1.28E-04
2197	437771.6	3762661	0.00052	0.001772	8.07E-05	2.89E-04	4.35E-05	1.34E-04
2198	437775.1	3762669	0.000545	0.00186	8.47E-05	3.04E-04	4.57E-05	1.41E-04
2199	437778.6	3762678	0.000572	0.001949	8.88E-05	3.18E-04	4.78E-05	1.48E-04
2200	437546.7	3762480	0.000184	0.000626	2.85E-05	1.02E-04	1.54E-05	4.74E-05
2201	437537.3	3762480	0.000182	0.000621	2.83E-05	1.02E-04	1.53E-05	4.71E-05
2202	437528	3762480	0.000181	0.000616	2.81E-05	1.01E-04	1.51E-05	4.67E-05
2203	437518.6	3762480	0.000179	0.00061	2.78E-05	9.97E-05	1.50E-05	4.62E-05
2204	437509.2	3762480	0.000177	0.000604	2.75E-05	9.86E-05	1.48E-05	4.57E-05
2205	437499.8	3762480	0.000175	0.000597	2.72E-05	9.75E-05	1.46E-05	4.52E-05
2206	437490.4	3762480	0.000173	0.000589	2.69E-05	9.63E-05	1.45E-05	4.47E-05
2207	437481	3762480	0.000171	0.000582	2.65E-05	9.51E-05	1.43E-05	4.41E-05
2208	437471.6	3762480	0.000168	0.000574	2.62E-05	9.38E-05	1.41E-05	4.35E-05
2209	437462.2	3762480	0.000166	0.000566	2.58E-05	9.25E-05	1.39E-05	4.29E-05
2210	437452.8	3762480	0.000164	0.000558	2.54E-05	9.12E-05	1.37E-05	4.23E-05
2211	437443.4	3762480	0.000161	0.00055	2.51E-05	8.98E-05	1.35E-05	4.17E-05
2212	437589.6	3762474	0.000179	0.00061	2.78E-05	9.97E-05	1.50E-05	4.62E-05
2213	437597.9	3762477	0.000184	0.000626	2.85E-05	1.02E-04	1.54E-05	4.75E-05
2214	437606.3	3762481	0.000188	0.000642	2.92E-05	1.05E-04	1.58E-05	4.86E-05
2215	437614.7	3762484	0.000193	0.000657	2.99E-05	1.07E-04	1.61E-05	4.98E-05
2216	437623	3762487	0.000197	0.000672	3.06E-05	1.10E-04	1.65E-05	5.09E-05
2217	437631.4	3762491	0.000201	0.000686	3.13E-05	1.12E-04	1.68E-05	5.20E-05
2218	437639.8	3762494	0.000205	0.000699	3.19E-05	1.14E-04	1.72E-05	5.30E-05
2219	437656.5	3762501	0.000212	0.000723	3.30E-05	1.18E-04	1.78E-05	5.48E-05
2220	437664.8	3762505	0.000215	0.000734	3.35E-05	1.20E-04	1.80E-05	5.56E-05
2221	437673.2	3762508	0.000218	0.000744	3.39E-05	1.22E-04	1.83E-05	5.64E-05
2222	437681.6	3762512	0.000221	0.000754	3.43E-05	1.23E-04	1.85E-05	5.71E-05
2223	437689.9	3762515	0.000223	0.000762	3.47E-05	1.24E-04	1.87E-05	5.77E-05
2224	437698.3	3762519	0.000226	0.000769	3.51E-05	1.26E-04	1.89E-05	5.83E-05
2225	437706.7	3762522	0.000228	0.000776	3.54E-05	1.27E-04	1.90E-05	5.88E-05
2226	437723.4	3762529	0.00023	0.000786	3.58E-05	1.28E-04	1.93E-05	5.96E-05
2227	437731.8	3762533	0.000232	0.00079	3.60E-05	1.29E-04	1.94E-05	5.98E-05
2228	437743.6	3762544	0.000244	0.000831	3.79E-05	1.36E-04	2.04E-05	6.30E-05
2229	437747	3762553	0.000256	0.000872	3.97E-05	1.42E-04	2.14E-05	6.60E-05
2230	437753.9	3762569	0.000281	0.000959	4.37E-05	1.57E-04	2.35E-05	7.26E-05
2231	437760.9	3762586	0.00031	0.001056	4.81E-05	1.72E-04	2.59E-05	8.00E-05
2232	437767.8	3762603	0.000341	0.001164	5.31E-05	1.90E-04	2.86E-05	8.82E-05

2233	437774.7	3762620	0.000377	0.001285	5.85E-05	2.10E-04	3.15E-05	9.73E-05
2234	437781.6	3762636	0.000415	0.001415	6.45E-05	2.31E-04	3.47E-05	1.07E-04
2235	437788.5	3762653	0.000456	0.001555	7.09E-05	2.54E-04	3.82E-05	1.18E-04
2236	437795.4	3762670	0.000499	0.001702	7.76E-05	2.78E-04	4.18E-05	1.29E-04
2237	437802.3	3762687	0.000543	0.001853	8.44E-05	3.03E-04	4.55E-05	1.40E-04
2238	437809.2	3762703	0.000587	0.002001	9.12E-05	3.27E-04	4.91E-05	1.52E-04
2239	437546.7	3762460	0.000158	0.00054	2.46E-05	8.83E-05	1.33E-05	4.09E-05
2240	437537.3	3762460	0.000157	0.000536	2.44E-05	8.76E-05	1.32E-05	4.06E-05
2241	437527.9	3762460	0.000156	0.000531	2.42E-05	8.68E-05	1.30E-05	4.02E-05
2242	437518.6	3762460	0.000154	0.000526	2.40E-05	8.59E-05	1.29E-05	3.98E-05
2243	437509.2	3762460	0.000153	0.00052	2.37E-05	8.50E-05	1.28E-05	3.94E-05
2244	437499.8	3762460	0.000151	0.000514	2.34E-05	8.40E-05	1.26E-05	3.90E-05
2245	437490.4	3762460	0.000149	0.000508	2.32E-05	8.30E-05	1.25E-05	3.85E-05
2246	437481	3762460	0.000147	0.000502	2.29E-05	8.20E-05	1.23E-05	3.80E-05
2247	437471.6	3762460	0.000145	0.000495	2.26E-05	8.09E-05	1.22E-05	3.75E-05
2248	437462.2	3762460	0.000143	0.000489	2.23E-05	7.98E-05	1.20E-05	3.70E-05
2249	437452.8	3762460	0.000141	0.000482	2.20E-05	7.88E-05	1.18E-05	3.65E-05
2250	437443.4	3762460	0.000139	0.000476	2.17E-05	7.77E-05	1.17E-05	3.60E-05
2251	437582	3762450	0.000152	0.000518	2.36E-05	8.46E-05	1.27E-05	3.92E-05
2252	437590.6	3762454	0.000156	0.000532	2.42E-05	8.69E-05	1.31E-05	4.03E-05
2253	437599.2	3762458	0.00016	0.000546	2.49E-05	8.92E-05	1.34E-05	4.14E-05
2254	437607.8	3762461	0.000164	0.00056	2.55E-05	9.15E-05	1.37E-05	4.24E-05
2255	437616.4	3762465	0.000168	0.000574	2.61E-05	9.37E-05	1.41E-05	4.35E-05
2256	437625	3762468	0.000172	0.000587	2.67E-05	9.58E-05	1.44E-05	4.45E-05
2257	437633.7	3762472	0.000176	0.000599	2.73E-05	9.79E-05	1.47E-05	4.54E-05
2258	437642.3	3762475	0.000179	0.000611	2.79E-05	9.99E-05	1.50E-05	4.63E-05
2259	437650.9	3762479	0.000183	0.000623	2.84E-05	1.02E-04	1.53E-05	4.72E-05
2260	437659.5	3762483	0.000186	0.000633	2.89E-05	1.03E-04	1.55E-05	4.80E-05
2261	437668.1	3762486	0.000189	0.000643	2.93E-05	1.05E-04	1.58E-05	4.88E-05
2262	437676.7	3762490	0.000191	0.000653	2.97E-05	1.07E-04	1.60E-05	4.95E-05
2263	437685.3	3762493	0.000194	0.000661	3.01E-05	1.08E-04	1.62E-05	5.01E-05
2264	437694	3762497	0.000196	0.000669	3.05E-05	1.09E-04	1.64E-05	5.07E-05
2265	437702.6	3762500	0.000198	0.000676	3.08E-05	1.10E-04	1.66E-05	5.12E-05
2266	437711.2	3762504	0.0002	0.000682	3.11E-05	1.11E-04	1.68E-05	5.17E-05
2267	437719.8	3762508	0.000202	0.000688	3.13E-05	1.12E-04	1.69E-05	5.21E-05
2268	437728.4	3762511	0.000203	0.000692	3.16E-05	1.13E-04	1.70E-05	5.25E-05
2269	437737	3762515	0.000204	0.000696	3.17E-05	1.14E-04	1.71E-05	5.28E-05
2270	437745.7	3762518	0.000205	0.0007	3.19E-05	1.14E-04	1.72E-05	5.30E-05
2271	437757.8	3762530	0.000216	0.000735	3.35E-05	1.20E-04	1.80E-05	5.57E-05
2272	437761.4	3762539	0.000226	0.00077	3.51E-05	1.26E-04	1.89E-05	5.83E-05
2273	437764.9	3762548	0.000236	0.000806	3.67E-05	1.32E-04	1.98E-05	6.11E-05
2274	437768.5	3762556	0.000248	0.000844	3.85E-05	1.38E-04	2.07E-05	6.40E-05
2275	437772.1	3762565	0.000259	0.000884	4.03E-05	1.44E-04	2.17E-05	6.70E-05
2276	437775.6	3762574	0.000272	0.000927	4.22E-05	1.51E-04	2.27E-05	7.02E-05
2277	437779.2	3762582	0.000285	0.000971	4.43E-05	1.59E-04	2.38E-05	7.36E-05
2278	437782.7	3762591	0.000299	0.001019	4.64E-05	1.66E-04	2.50E-05	7.72E-05
2279	437786.3	3762599	0.000313	0.001068	4.87E-05	1.75E-04	2.62E-05	8.10E-05
2280	437789.9	3762608	0.000329	0.00112	5.10E-05	1.83E-04	2.75E-05	8.49E-05
2281	437793.4	3762617	0.000344	0.001175	5.35E-05	1.92E-04	2.88E-05	8.90E-05
2282	437797	3762625	0.000361	0.001231	5.61E-05	2.01E-04	3.02E-05	9.33E-05
2283	437800.5	3762634	0.000378	0.00129	5.88E-05	2.11E-04	3.17E-05	9.77E-05
2284	437804.1	3762643	0.000396	0.001351	6.16E-05	2.21E-04	3.32E-05	1.02E-04

2285	437807.7	3762651	0.000415	0.001414	6.44E-05	2.31E-04	3.47E-05	1.07E-04
2286	437811.2	3762660	0.000434	0.001479	6.74E-05	2.42E-04	3.63E-05	1.12E-04
2287	437814.8	3762668	0.000453	0.001544	7.04E-05	2.52E-04	3.79E-05	1.17E-04
2288	437818.3	3762677	0.000472	0.001611	7.34E-05	2.63E-04	3.95E-05	1.22E-04
2289	437821.9	3762686	0.000492	0.001677	7.64E-05	2.74E-04	4.12E-05	1.27E-04
2290	437825.5	3762694	0.000511	0.001743	7.94E-05	2.85E-04	4.28E-05	1.32E-04
2291	437829	3762703	0.00053	0.001807	8.23E-05	2.95E-04	4.43E-05	1.37E-04
2292	437832.6	3762712	0.000548	0.001869	8.52E-05	3.05E-04	4.59E-05	1.42E-04
2293	437546.7	3762440	0.000138	0.00047	2.14E-05	7.69E-05	1.15E-05	3.56E-05
2294	437537.3	3762440	0.000137	0.000466	2.13E-05	7.62E-05	1.14E-05	3.53E-05
2295	437527.9	3762440	0.000136	0.000462	2.11E-05	7.55E-05	1.13E-05	3.50E-05
2296	437518.6	3762440	0.000134	0.000457	2.08E-05	7.47E-05	1.12E-05	3.47E-05
2297	437509.2	3762440	0.000133	0.000453	2.06E-05	7.39E-05	1.11E-05	3.43E-05
2298	437499.8	3762440	0.000131	0.000447	2.04E-05	7.31E-05	1.10E-05	3.39E-05
2299	437490.4	3762440	0.00013	0.000442	2.01E-05	7.22E-05	1.09E-05	3.35E-05
2300	437481	3762440	0.000128	0.000437	1.99E-05	7.14E-05	1.07E-05	3.31E-05
2301	437471.6	3762440	0.000127	0.000431	1.97E-05	7.05E-05	1.06E-05	3.27E-05
2302	437462.2	3762440	0.000125	0.000426	1.94E-05	6.96E-05	1.05E-05	3.23E-05
2303	437452.8	3762440	0.000123	0.00042	1.92E-05	6.87E-05	1.03E-05	3.19E-05
2304	437443.4	3762440	0.000122	0.000415	1.89E-05	6.78E-05	1.02E-05	3.14E-05
2305	437581.6	3762430	0.000133	0.000453	2.06E-05	7.40E-05	1.11E-05	3.43E-05
2306	437590.1	3762434	0.000136	0.000465	2.12E-05	7.60E-05	1.14E-05	3.52E-05
2307	437598.6	3762437	0.00014	0.000477	2.17E-05	7.80E-05	1.17E-05	3.62E-05
2308	437607.1	3762441	0.000143	0.000489	2.23E-05	7.99E-05	1.20E-05	3.71E-05
2309	437615.6	3762444	0.000147	0.000501	2.28E-05	8.18E-05	1.23E-05	3.79E-05
2310	437624.1	3762448	0.00015	0.000512	2.33E-05	8.37E-05	1.26E-05	3.88E-05
2311	437632.5	3762451	0.000153	0.000523	2.38E-05	8.55E-05	1.28E-05	3.96E-05
2312	437641	3762455	0.000157	0.000534	2.43E-05	8.72E-05	1.31E-05	4.05E-05
2313	437649.5	3762458	0.00016	0.000544	2.48E-05	8.89E-05	1.34E-05	4.12E-05
2314	437658	3762462	0.000162	0.000554	2.52E-05	9.04E-05	1.36E-05	4.20E-05
2315	437666.5	3762465	0.000165	0.000563	2.56E-05	9.19E-05	1.38E-05	4.26E-05
2316	437675	3762469	0.000168	0.000571	2.60E-05	9.33E-05	1.40E-05	4.33E-05
2317	437683.5	3762473	0.00017	0.000579	2.64E-05	9.47E-05	1.42E-05	4.39E-05
2318	437692	3762476	0.000172	0.000587	2.67E-05	9.59E-05	1.44E-05	4.45E-05
2319	437700.5	3762480	0.000174	0.000594	2.71E-05	9.70E-05	1.46E-05	4.50E-05
2320	437709	3762483	0.000176	0.0006	2.73E-05	9.80E-05	1.47E-05	4.55E-05
2321	437717.5	3762487	0.000178	0.000605	2.76E-05	9.89E-05	1.49E-05	4.59E-05
2322	437726	3762490	0.000179	0.00061	2.78E-05	9.97E-05	1.50E-05	4.62E-05
2323	437734.5	3762494	0.00018	0.000615	2.80E-05	1.00E-04	1.51E-05	4.66E-05
2324	437742.9	3762497	0.000181	0.000618	2.82E-05	1.01E-04	1.52E-05	4.68E-05
2325	437751.4	3762501	0.000182	0.000621	2.83E-05	1.02E-04	1.53E-05	4.71E-05
2326	437759.9	3762504	0.000183	0.000624	2.84E-05	1.02E-04	1.53E-05	4.73E-05
2327	437771.9	3762516	0.000192	0.000653	2.98E-05	1.07E-04	1.60E-05	4.95E-05
2328	437775.4	3762525	0.0002	0.000682	3.11E-05	1.11E-04	1.67E-05	5.17E-05
2329	437778.9	3762533	0.000209	0.000712	3.24E-05	1.16E-04	1.75E-05	5.39E-05
2330	437782.5	3762542	0.000218	0.000743	3.39E-05	1.21E-04	1.82E-05	5.63E-05
2331	437786	3762550	0.000228	0.000776	3.54E-05	1.27E-04	1.90E-05	5.88E-05
2332	437789.5	3762559	0.000238	0.00081	3.69E-05	1.32E-04	1.99E-05	6.14E-05
2333	437793	3762567	0.000248	0.000846	3.86E-05	1.38E-04	2.08E-05	6.41E-05
2334	437796.5	3762576	0.000259	0.000885	4.03E-05	1.45E-04	2.17E-05	6.70E-05
2335	437800	3762584	0.000271	0.000925	4.21E-05	1.51E-04	2.27E-05	7.01E-05
2336	437803.5	3762593	0.000283	0.000967	4.40E-05	1.58E-04	2.37E-05	7.33E-05

2337	437807	3762601	0.000296	0.001011	4.60E-05	1.65E-04	2.48E-05	7.66E-05
2338	437810.5	3762610	0.00031	0.001056	4.81E-05	1.73E-04	2.59E-05	8.00E-05
2339	437814	3762618	0.000324	0.001103	5.03E-05	1.80E-04	2.71E-05	8.36E-05
2340	437817.5	3762627	0.000338	0.001152	5.25E-05	1.88E-04	2.83E-05	8.73E-05
2341	437821.1	3762635	0.000353	0.001203	5.48E-05	1.97E-04	2.95E-05	9.12E-05
2342	437824.6	3762644	0.000368	0.001256	5.72E-05	2.05E-04	3.08E-05	9.52E-05
2343	437828.1	3762652	0.000384	0.001311	5.97E-05	2.14E-04	3.22E-05	9.93E-05
2344	437831.6	3762661	0.0004	0.001365	6.22E-05	2.23E-04	3.35E-05	1.03E-04
2345	437835.1	3762669	0.000417	0.001421	6.48E-05	2.32E-04	3.49E-05	1.08E-04
2346	437838.6	3762678	0.000433	0.001477	6.73E-05	2.41E-04	3.63E-05	1.12E-04
2347	437842.1	3762686	0.00045	0.001534	6.99E-05	2.51E-04	3.76E-05	1.16E-04
2348	437845.6	3762695	0.000466	0.001589	7.24E-05	2.60E-04	3.90E-05	1.20E-04
2349	437849.1	3762703	0.000482	0.001643	7.49E-05	2.68E-04	4.03E-05	1.24E-04
2350	437852.6	3762712	0.000497	0.001696	7.73E-05	2.77E-04	4.16E-05	1.29E-04
2351	437546.7	3762420	0.000121	0.000413	1.88E-05	6.75E-05	1.01E-05	3.13E-05
2352	437537.3	3762420	0.00012	0.000409	1.86E-05	6.69E-05	1.00E-05	3.10E-05
2353	437527.9	3762420	0.000119	0.000405	1.85E-05	6.62E-05	9.95E-06	3.07E-05
2354	437518.6	3762420	0.000118	0.000401	1.83E-05	6.56E-05	9.85E-06	3.04E-05
2355	437509.2	3762420	0.000116	0.000397	1.81E-05	6.49E-05	9.75E-06	3.01E-05
2356	437499.8	3762420	0.000115	0.000393	1.79E-05	6.41E-05	9.64E-06	2.98E-05
2357	437490.4	3762420	0.000114	0.000388	1.77E-05	6.34E-05	9.53E-06	2.94E-05
2358	437481	3762420	0.000112	0.000383	1.75E-05	6.26E-05	9.41E-06	2.91E-05
2359	437471.6	3762420	0.000111	0.000379	1.73E-05	6.19E-05	9.30E-06	2.87E-05
2360	437462.2	3762420	0.00011	0.000374	1.71E-05	6.11E-05	9.19E-06	2.84E-05
2361	437452.8	3762420	0.000108	0.00037	1.68E-05	6.04E-05	9.07E-06	2.80E-05
2362	437443.4	3762420	0.000107	0.000365	1.66E-05	5.96E-05	8.96E-06	2.77E-05
2363	437582.1	3762400	0.000111	0.000377	1.72E-05	6.16E-05	9.26E-06	2.86E-05
2364	437590.7	3762404	0.000114	0.000387	1.76E-05	6.32E-05	9.50E-06	2.93E-05
2365	437599.4	3762408	0.000116	0.000397	1.81E-05	6.49E-05	9.75E-06	3.01E-05
2366	437608	3762411	0.000119	0.000407	1.85E-05	6.65E-05	9.99E-06	3.08E-05
2367	437616.7	3762415	0.000122	0.000417	1.90E-05	6.81E-05	1.02E-05	3.16E-05
2368	437625.3	3762418	0.000125	0.000426	1.94E-05	6.96E-05	1.05E-05	3.23E-05
2369	437634	3762422	0.000128	0.000435	1.98E-05	7.11E-05	1.07E-05	3.30E-05
2370	437642.6	3762426	0.00013	0.000444	2.03E-05	7.26E-05	1.09E-05	3.37E-05
2371	437651.3	3762429	0.000133	0.000453	2.06E-05	7.40E-05	1.11E-05	3.43E-05
2372	437659.9	3762433	0.000135	0.000462	2.10E-05	7.54E-05	1.13E-05	3.50E-05
2373	437668.6	3762436	0.000138	0.00047	2.14E-05	7.67E-05	1.15E-05	3.56E-05
2374	437677.2	3762440	0.00014	0.000477	2.17E-05	7.79E-05	1.17E-05	3.62E-05
2375	437685.9	3762444	0.000142	0.000484	2.21E-05	7.91E-05	1.19E-05	3.67E-05
2376	437694.5	3762447	0.000144	0.000491	2.24E-05	8.02E-05	1.20E-05	3.72E-05
2377	437703.2	3762451	0.000146	0.000497	2.27E-05	8.12E-05	1.22E-05	3.77E-05
2378	437711.8	3762454	0.000147	0.000503	2.29E-05	8.22E-05	1.23E-05	3.81E-05
2379	437720.5	3762458	0.000149	0.000508	2.32E-05	8.30E-05	1.25E-05	3.85E-05
2380	437729.1	3762461	0.00015	0.000513	2.34E-05	8.38E-05	1.26E-05	3.89E-05
2381	437737.8	3762465	0.000152	0.000517	2.36E-05	8.45E-05	1.27E-05	3.92E-05
2382	437746.4	3762469	0.000153	0.000521	2.37E-05	8.51E-05	1.28E-05	3.95E-05
2383	437755.1	3762472	0.000154	0.000524	2.39E-05	8.57E-05	1.29E-05	3.97E-05
2384	437763.7	3762476	0.000155	0.000527	2.40E-05	8.61E-05	1.29E-05	4.00E-05
2385	437772.4	3762479	0.000155	0.00053	2.41E-05	8.65E-05	1.30E-05	4.01E-05
2386	437781	3762483	0.000156	0.000532	2.42E-05	8.69E-05	1.31E-05	4.03E-05
2387	437793.2	3762495	0.000163	0.000555	2.53E-05	9.07E-05	1.36E-05	4.21E-05
2388	437796.8	3762504	0.00017	0.000578	2.63E-05	9.44E-05	1.42E-05	4.38E-05

2389	437800.4	3762513	0.000176	0.000602	2.74E-05	9.83E-05	1.48E-05	4.56E-05
2390	437803.9	3762521	0.000184	0.000626	2.85E-05	1.02E-04	1.54E-05	4.75E-05
2391	437807.5	3762530	0.000191	0.000652	2.97E-05	1.07E-04	1.60E-05	4.94E-05
2392	437811.1	3762538	0.000199	0.000679	3.10E-05	1.11E-04	1.67E-05	5.15E-05
2393	437814.7	3762547	0.000208	0.000708	3.22E-05	1.16E-04	1.74E-05	5.36E-05
2394	437818.2	3762556	0.000216	0.000738	3.36E-05	1.21E-04	1.81E-05	5.59E-05
2395	437821.8	3762564	0.000226	0.000769	3.50E-05	1.26E-04	1.89E-05	5.83E-05
2396	437825.4	3762573	0.000235	0.000802	3.65E-05	1.31E-04	1.97E-05	6.08E-05
2397	437829	3762582	0.000245	0.000836	3.81E-05	1.37E-04	2.05E-05	6.34E-05
2398	437832.5	3762590	0.000256	0.000872	3.97E-05	1.42E-04	2.14E-05	6.61E-05
2399	437836.1	3762599	0.000267	0.000909	4.14E-05	1.49E-04	2.23E-05	6.89E-05
2400	437839.7	3762608	0.000278	0.000948	4.32E-05	1.55E-04	2.33E-05	7.18E-05
2401	437843.3	3762616	0.00029	0.000988	4.50E-05	1.61E-04	2.43E-05	7.49E-05
2402	437846.8	3762625	0.000302	0.001029	4.69E-05	1.68E-04	2.53E-05	7.80E-05
2403	437850.4	3762634	0.000314	0.001072	4.89E-05	1.75E-04	2.63E-05	8.12E-05
2404	437854	3762642	0.000327	0.001116	5.08E-05	1.82E-04	2.74E-05	8.45E-05
2405	437857.6	3762651	0.00034	0.00116	5.29E-05	1.90E-04	2.85E-05	8.79E-05
2406	437861.1	3762660	0.000353	0.001205	5.49E-05	1.97E-04	2.96E-05	9.13E-05
2407	437864.7	3762668	0.000367	0.001251	5.70E-05	2.04E-04	3.07E-05	9.48E-05
2408	437868.3	3762677	0.000381	0.001298	5.91E-05	2.12E-04	3.19E-05	9.83E-05
2409	437871.8	3762686	0.000394	0.001343	6.12E-05	2.19E-04	3.30E-05	1.02E-04
2410	437875.4	3762694	0.000407	0.001389	6.33E-05	2.27E-04	3.41E-05	1.05E-04
2411	437879	3762703	0.00042	0.001434	6.53E-05	2.34E-04	3.52E-05	1.09E-04
2412	437882.6	3762712	0.000433	0.001477	6.73E-05	2.41E-04	3.63E-05	1.12E-04
2413	437546.7	3762390	0.000101	0.000344	1.57E-05	5.62E-05	8.45E-06	2.61E-05
2414	437537.3	3762390	0.0001	0.000341	1.55E-05	5.57E-05	8.37E-06	2.58E-05
2415	437527.9	3762390	9.9E-05	0.000338	1.54E-05	5.52E-05	8.29E-06	2.56E-05
2416	437518.6	3762390	9.8E-05	0.000334	1.52E-05	5.46E-05	8.21E-06	2.53E-05
2417	437509.2	3762390	9.7E-05	0.000331	1.51E-05	5.40E-05	8.12E-06	2.51E-05
2418	437499.8	3762390	9.6E-05	0.000327	1.49E-05	5.35E-05	8.03E-06	2.48E-05
2419	437490.4	3762390	9.49E-05	0.000324	1.47E-05	5.29E-05	7.94E-06	2.45E-05
2420	437481	3762390	9.38E-05	0.00032	1.46E-05	5.23E-05	7.85E-06	2.42E-05
2421	437471.6	3762390	9.27E-05	0.000316	1.44E-05	5.16E-05	7.76E-06	2.40E-05
2422	437462.2	3762390	9.16E-05	0.000312	1.42E-05	5.10E-05	7.67E-06	2.37E-05
2423	437452.8	3762390	9.06E-05	0.000309	1.41E-05	5.05E-05	7.58E-06	2.34E-05
2424	437443.4	3762390	8.95E-05	0.000305	1.39E-05	4.99E-05	7.49E-06	2.31E-05
2425	437581.6	3762370	9.31E-05	0.000317	1.45E-05	5.19E-05	7.79E-06	2.41E-05
2426	437590.1	3762374	9.54E-05	0.000325	1.48E-05	5.32E-05	7.99E-06	2.47E-05
2427	437598.6	3762377	9.78E-05	0.000333	1.52E-05	5.45E-05	8.18E-06	2.53E-05
2428	437607.1	3762381	0.0001	0.000341	1.56E-05	5.58E-05	8.38E-06	2.59E-05
2429	437615.6	3762384	0.000102	0.000349	1.59E-05	5.71E-05	8.57E-06	2.65E-05
2430	437624.1	3762388	0.000105	0.000357	1.63E-05	5.83E-05	8.76E-06	2.71E-05
2431	437632.5	3762391	0.000107	0.000365	1.66E-05	5.96E-05	8.95E-06	2.76E-05
2432	437641	3762395	0.000109	0.000372	1.70E-05	6.08E-05	9.14E-06	2.82E-05
2433	437649.5	3762398	0.000111	0.00038	1.73E-05	6.20E-05	9.32E-06	2.88E-05
2434	437658	3762402	0.000113	0.000387	1.76E-05	6.32E-05	9.49E-06	2.93E-05
2435	437666.5	3762405	0.000115	0.000394	1.79E-05	6.43E-05	9.66E-06	2.98E-05
2436	437675	3762409	0.000117	0.0004	1.82E-05	6.54E-05	9.82E-06	3.03E-05
2437	437683.5	3762413	0.000119	0.000406	1.85E-05	6.64E-05	9.98E-06	3.08E-05
2438	437692	3762416	0.000121	0.000412	1.88E-05	6.74E-05	1.01E-05	3.12E-05
2439	437700.5	3762420	0.000123	0.000418	1.90E-05	6.83E-05	1.03E-05	3.17E-05
2440	437709	3762423	0.000124	0.000423	1.93E-05	6.92E-05	1.04E-05	3.21E-05

2441	437717.5	3762427	0.000126	0.000428	1.95E-05	7.00E-05	1.05E-05	3.25E-05
2442	437726	3762430	0.000127	0.000433	1.97E-05	7.07E-05	1.06E-05	3.28E-05
2443	437734.4	3762434	0.000128	0.000437	1.99E-05	7.14E-05	1.07E-05	3.31E-05
2444	437742.9	3762437	0.000129	0.000441	2.01E-05	7.21E-05	1.08E-05	3.34E-05
2445	437751.4	3762441	0.00013	0.000445	2.03E-05	7.26E-05	1.09E-05	3.37E-05
2446	437759.9	3762444	0.000131	0.000448	2.04E-05	7.32E-05	1.10E-05	3.39E-05
2447	437768.4	3762448	0.000132	0.000451	2.05E-05	7.36E-05	1.11E-05	3.42E-05
2448	437776.9	3762451	0.000133	0.000453	2.07E-05	7.40E-05	1.11E-05	3.43E-05
2449	437785.4	3762455	0.000134	0.000455	2.08E-05	7.44E-05	1.12E-05	3.45E-05
2450	437793.9	3762458	0.000134	0.000457	2.08E-05	7.47E-05	1.12E-05	3.47E-05
2451	437802.4	3762462	0.000135	0.000459	2.09E-05	7.50E-05	1.13E-05	3.48E-05
2452	437814.4	3762474	0.00014	0.000477	2.17E-05	7.80E-05	1.17E-05	3.62E-05
2453	437817.9	3762482	0.000145	0.000495	2.26E-05	8.09E-05	1.21E-05	3.75E-05
2454	437821.4	3762491	0.000151	0.000513	2.34E-05	8.38E-05	1.26E-05	3.89E-05
2455	437824.9	3762499	0.000156	0.000532	2.43E-05	8.70E-05	1.31E-05	4.03E-05
2456	437828.4	3762508	0.000162	0.000552	2.52E-05	9.02E-05	1.36E-05	4.18E-05
2457	437831.9	3762516	0.000168	0.000573	2.61E-05	9.36E-05	1.41E-05	4.34E-05
2458	437835.4	3762525	0.000174	0.000595	2.71E-05	9.71E-05	1.46E-05	4.51E-05
2459	437838.9	3762533	0.000181	0.000617	2.81E-05	1.01E-04	1.51E-05	4.68E-05
2460	437842.5	3762542	0.000188	0.000641	2.92E-05	1.05E-04	1.57E-05	4.86E-05
2461	437846	3762550	0.000195	0.000666	3.03E-05	1.09E-04	1.63E-05	5.05E-05
2462	437849.5	3762559	0.000203	0.000692	3.15E-05	1.13E-04	1.70E-05	5.24E-05
2463	437853	3762567	0.000211	0.000719	3.28E-05	1.17E-04	1.77E-05	5.45E-05
2464	437856.5	3762576	0.000219	0.000747	3.41E-05	1.22E-04	1.83E-05	5.66E-05
2465	437860	3762584	0.000228	0.000776	3.54E-05	1.27E-04	1.91E-05	5.88E-05
2466	437863.5	3762593	0.000237	0.000807	3.68E-05	1.32E-04	1.98E-05	6.11E-05
2467	437867	3762601	0.000246	0.000839	3.82E-05	1.37E-04	2.06E-05	6.35E-05
2468	437870.5	3762610	0.000255	0.000871	3.97E-05	1.42E-04	2.14E-05	6.60E-05
2469	437874	3762618	0.000265	0.000904	4.12E-05	1.48E-04	2.22E-05	6.85E-05
2470	437877.5	3762627	0.000275	0.000939	4.28E-05	1.53E-04	2.30E-05	7.11E-05
2471	437881.1	3762635	0.000286	0.000974	4.44E-05	1.59E-04	2.39E-05	7.38E-05
2472	437884.6	3762644	0.000296	0.001009	4.60E-05	1.65E-04	2.48E-05	7.65E-05
2473	437888.1	3762652	0.000307	0.001046	4.76E-05	1.71E-04	2.57E-05	7.92E-05
2474	437891.6	3762661	0.000317	0.001082	4.93E-05	1.77E-04	2.66E-05	8.20E-05
2475	437895.1	3762669	0.000328	0.001119	5.10E-05	1.83E-04	2.75E-05	8.48E-05
2476	437898.6	3762678	0.000339	0.001156	5.27E-05	1.89E-04	2.84E-05	8.76E-05
2477	437902.1	3762686	0.00035	0.001193	5.43E-05	1.95E-04	2.93E-05	9.04E-05
2478	437905.6	3762695	0.00036	0.001229	5.60E-05	2.01E-04	3.02E-05	9.31E-05
2479	437909.1	3762703	0.000371	0.001264	5.76E-05	2.06E-04	3.10E-05	9.58E-05
2480	437912.6	3762712	0.000381	0.001298	5.92E-05	2.12E-04	3.19E-05	9.84E-05
2481	437546.7	3762360	8.53E-05	0.000291	1.33E-05	4.75E-05	7.14E-06	2.21E-05
2482	437537.3	3762360	8.46E-05	0.000288	1.31E-05	4.71E-05	7.08E-06	2.18E-05
2483	437527.9	3762360	8.37E-05	0.000286	1.30E-05	4.66E-05	7.01E-06	2.16E-05
2484	437518.5	3762360	8.29E-05	0.000283	1.29E-05	4.62E-05	6.94E-06	2.14E-05
2485	437509.2	3762360	8.2E-05	0.00028	1.27E-05	4.57E-05	6.87E-06	2.12E-05
2486	437499.8	3762360	8.11E-05	0.000277	1.26E-05	4.52E-05	6.79E-06	2.10E-05
2487	437490.4	3762360	8.03E-05	0.000274	1.25E-05	4.47E-05	6.72E-06	2.07E-05
2488	437481	3762360	7.94E-05	0.000271	1.23E-05	4.42E-05	6.64E-06	2.05E-05
2489	437471.6	3762360	7.85E-05	0.000268	1.22E-05	4.37E-05	6.57E-06	2.03E-05
2490	437462.2	3762360	7.76E-05	0.000265	1.21E-05	4.33E-05	6.50E-06	2.01E-05
2491	437452.8	3762360	7.68E-05	0.000262	1.19E-05	4.28E-05	6.43E-06	1.98E-05
2492	437443.4	3762360	7.6E-05	0.000259	1.18E-05	4.23E-05	6.36E-06	1.96E-05

2493	437582	3762340	7.96E-05	0.000271	1.24E-05	4.43E-05	6.66E-06	2.06E-05
2494	437590.6	3762344	8.15E-05	0.000278	1.27E-05	4.54E-05	6.82E-06	2.11E-05
2495	437599.2	3762348	8.35E-05	0.000285	1.30E-05	4.65E-05	6.99E-06	2.16E-05
2496	437607.9	3762351	8.55E-05	0.000291	1.33E-05	4.76E-05	7.15E-06	2.21E-05
2497	437616.5	3762355	8.74E-05	0.000298	1.36E-05	4.87E-05	7.32E-06	2.26E-05
2498	437625.1	3762358	8.94E-05	0.000305	1.39E-05	4.98E-05	7.48E-06	2.31E-05
2499	437633.7	3762362	9.13E-05	0.000311	1.42E-05	5.08E-05	7.64E-06	2.36E-05
2500	437642.4	3762365	9.32E-05	0.000318	1.45E-05	5.19E-05	7.80E-06	2.41E-05
2501	437651	3762369	9.5E-05	0.000324	1.48E-05	5.29E-05	7.95E-06	2.45E-05
2502	437659.6	3762373	9.68E-05	0.00033	1.50E-05	5.39E-05	8.10E-06	2.50E-05
2503	437668.2	3762376	9.86E-05	0.000336	1.53E-05	5.49E-05	8.25E-06	2.55E-05
2504	437676.9	3762380	0.0001	0.000342	1.56E-05	5.58E-05	8.39E-06	2.59E-05
2505	437685.5	3762383	0.000102	0.000347	1.58E-05	5.68E-05	8.53E-06	2.63E-05
2506	437694.1	3762387	0.000103	0.000353	1.61E-05	5.76E-05	8.66E-06	2.67E-05
2507	437702.7	3762391	0.000105	0.000358	1.63E-05	5.85E-05	8.78E-06	2.71E-05
2508	437711.4	3762394	0.000106	0.000363	1.65E-05	5.92E-05	8.90E-06	2.75E-05
2509	437720	3762398	0.000108	0.000367	1.67E-05	6.00E-05	9.01E-06	2.78E-05
2510	437728.6	3762401	0.000109	0.000371	1.69E-05	6.07E-05	9.12E-06	2.81E-05
2511	437737.2	3762405	0.00011	0.000375	1.71E-05	6.13E-05	9.22E-06	2.85E-05
2512	437745.9	3762408	0.000111	0.000379	1.73E-05	6.19E-05	9.31E-06	2.87E-05
2513	437754.5	3762412	0.000112	0.000383	1.74E-05	6.25E-05	9.39E-06	2.90E-05
2514	437763.1	3762416	0.000113	0.000386	1.76E-05	6.30E-05	9.47E-06	2.92E-05
2515	437771.7	3762419	0.000114	0.000389	1.77E-05	6.35E-05	9.54E-06	2.94E-05
2516	437780.4	3762423	0.000115	0.000391	1.78E-05	6.39E-05	9.60E-06	2.96E-05
2517	437789	3762426	0.000115	0.000393	1.79E-05	6.43E-05	9.66E-06	2.98E-05
2518	437797.6	3762430	0.000116	0.000396	1.80E-05	6.46E-05	9.71E-06	3.00E-05
2519	437806.2	3762433	0.000117	0.000397	1.81E-05	6.49E-05	9.75E-06	3.01E-05
2520	437814.9	3762437	0.000117	0.000399	1.82E-05	6.52E-05	9.79E-06	3.02E-05
2521	437823.5	3762441	0.000117	0.0004	1.82E-05	6.54E-05	9.82E-06	3.03E-05
2522	437835.7	3762453	0.000122	0.000415	1.89E-05	6.78E-05	1.02E-05	3.15E-05
2523	437839.2	3762461	0.000126	0.000429	1.96E-05	7.02E-05	1.05E-05	3.25E-05
2524	437842.8	3762470	0.00013	0.000444	2.03E-05	7.26E-05	1.09E-05	3.37E-05
2525	437846.4	3762479	0.000135	0.00046	2.10E-05	7.52E-05	1.13E-05	3.49E-05
2526	437849.9	3762487	0.00014	0.000476	2.17E-05	7.78E-05	1.17E-05	3.61E-05
2527	437853.5	3762496	0.000145	0.000493	2.25E-05	8.06E-05	1.21E-05	3.74E-05
2528	437857.1	3762505	0.00015	0.000511	2.33E-05	8.34E-05	1.25E-05	3.87E-05
2529	437860.6	3762513	0.000155	0.000529	2.41E-05	8.64E-05	1.30E-05	4.01E-05
2530	437864.2	3762522	0.000161	0.000548	2.50E-05	8.95E-05	1.35E-05	4.15E-05
2531	437867.7	3762530	0.000167	0.000568	2.59E-05	9.28E-05	1.39E-05	4.30E-05
2532	437871.3	3762539	0.000173	0.000589	2.68E-05	9.62E-05	1.45E-05	4.46E-05
2533	437874.9	3762548	0.000179	0.00061	2.78E-05	9.97E-05	1.50E-05	4.63E-05
2534	437878.4	3762556	0.000186	0.000633	2.88E-05	1.03E-04	1.55E-05	4.80E-05
2535	437882	3762565	0.000193	0.000657	2.99E-05	1.07E-04	1.61E-05	4.98E-05
2536	437885.6	3762574	0.0002	0.000681	3.10E-05	1.11E-04	1.67E-05	5.16E-05
2537	437889.1	3762582	0.000207	0.000707	3.22E-05	1.15E-04	1.73E-05	5.36E-05
2538	437892.7	3762591	0.000215	0.000733	3.34E-05	1.20E-04	1.80E-05	5.56E-05
2539	437896.3	3762599	0.000223	0.000761	3.47E-05	1.24E-04	1.87E-05	5.76E-05
2540	437899.8	3762608	0.000231	0.000789	3.59E-05	1.29E-04	1.94E-05	5.98E-05
2541	437903.4	3762617	0.00024	0.000817	3.72E-05	1.34E-04	2.01E-05	6.19E-05
2542	437906.9	3762625	0.000248	0.000847	3.86E-05	1.38E-04	2.08E-05	6.42E-05
2543	437910.5	3762634	0.000257	0.000877	3.99E-05	1.43E-04	2.15E-05	6.64E-05
2544	437914.1	3762643	0.000266	0.000907	4.13E-05	1.48E-04	2.23E-05	6.87E-05

2545	437917.6	3762651	0.000275	0.000938	4.27E-05	1.53E-04	2.30E-05	7.11E-05
2546	437921.2	3762660	0.000284	0.000968	4.41E-05	1.58E-04	2.38E-05	7.34E-05
2547	437924.8	3762669	0.000293	0.000999	4.55E-05	1.63E-04	2.45E-05	7.57E-05
2548	437928.3	3762677	0.000302	0.00103	4.69E-05	1.68E-04	2.53E-05	7.81E-05
2549	437931.9	3762686	0.000311	0.001061	4.83E-05	1.73E-04	2.60E-05	8.04E-05
2550	437935.5	3762694	0.00032	0.00109	4.97E-05	1.78E-04	2.68E-05	8.26E-05
2551	437939	3762703	0.000328	0.00112	5.10E-05	1.83E-04	2.75E-05	8.48E-05
2552	437942.6	3762712	0.000337	0.001148	5.23E-05	1.88E-04	2.82E-05	8.70E-05
2553	437546.7	3762330	7.31E-05	0.000249	1.14E-05	4.07E-05	6.12E-06	1.89E-05
2554	437537.3	3762330	7.24E-05	0.000247	1.12E-05	4.03E-05	6.06E-06	1.87E-05
2555	437527.9	3762330	7.17E-05	0.000244	1.11E-05	3.99E-05	6.00E-06	1.85E-05
2556	437518.5	3762330	7.1E-05	0.000242	1.10E-05	3.95E-05	5.94E-06	1.83E-05
2557	437509.2	3762330	7.02E-05	0.00024	1.09E-05	3.91E-05	5.88E-06	1.81E-05
2558	437499.8	3762330	6.95E-05	0.000237	1.08E-05	3.87E-05	5.82E-06	1.80E-05
2559	437490.4	3762330	6.88E-05	0.000235	1.07E-05	3.83E-05	5.76E-06	1.78E-05
2560	437481	3762330	6.81E-05	0.000232	1.06E-05	3.79E-05	5.70E-06	1.76E-05
2561	437471.6	3762330	6.73E-05	0.00023	1.05E-05	3.75E-05	5.64E-06	1.74E-05
2562	437462.2	3762330	6.66E-05	0.000227	1.04E-05	3.71E-05	5.58E-06	1.72E-05
2563	437452.8	3762330	6.59E-05	0.000225	1.02E-05	3.67E-05	5.52E-06	1.70E-05
2564	437443.4	3762330	6.53E-05	0.000223	1.01E-05	3.64E-05	5.46E-06	1.69E-05
2565	437581.6	3762310	6.86E-05	0.000234	1.07E-05	3.82E-05	5.74E-06	1.77E-05
2566	437590.1	3762314	7.02E-05	0.000239	1.09E-05	3.91E-05	5.88E-06	1.81E-05
2567	437598.6	3762317	7.18E-05	0.000245	1.12E-05	4.00E-05	6.01E-06	1.86E-05
2568	437607.1	3762321	7.35E-05	0.000251	1.14E-05	4.09E-05	6.15E-06	1.90E-05
2569	437615.6	3762324	7.51E-05	0.000256	1.17E-05	4.18E-05	6.28E-06	1.94E-05
2570	437624	3762328	7.67E-05	0.000262	1.19E-05	4.27E-05	6.42E-06	1.98E-05
2571	437632.5	3762331	7.83E-05	0.000267	1.22E-05	4.36E-05	6.55E-06	2.02E-05
2572	437641	3762335	7.99E-05	0.000272	1.24E-05	4.45E-05	6.69E-06	2.06E-05
2573	437649.5	3762338	8.14E-05	0.000278	1.27E-05	4.54E-05	6.82E-06	2.10E-05
2574	437658	3762342	8.3E-05	0.000283	1.29E-05	4.62E-05	6.95E-06	2.14E-05
2575	437666.5	3762345	8.45E-05	0.000288	1.31E-05	4.71E-05	7.07E-06	2.18E-05
2576	437675	3762349	8.59E-05	0.000293	1.34E-05	4.79E-05	7.19E-06	2.22E-05
2577	437683.5	3762353	8.73E-05	0.000298	1.36E-05	4.87E-05	7.31E-06	2.26E-05
2578	437692	3762356	8.87E-05	0.000303	1.38E-05	4.94E-05	7.43E-06	2.29E-05
2579	437700.5	3762360	9E-05	0.000307	1.40E-05	5.02E-05	7.54E-06	2.33E-05
2580	437709	3762363	9.13E-05	0.000311	1.42E-05	5.09E-05	7.64E-06	2.36E-05
2581	437717.5	3762367	9.25E-05	0.000315	1.44E-05	5.15E-05	7.74E-06	2.39E-05
2582	437726	3762370	9.37E-05	0.000319	1.46E-05	5.22E-05	7.84E-06	2.42E-05
2583	437734.4	3762374	9.47E-05	0.000323	1.47E-05	5.28E-05	7.93E-06	2.45E-05
2584	437742.9	3762377	9.58E-05	0.000327	1.49E-05	5.34E-05	8.02E-06	2.47E-05
2585	437751.4	3762381	9.67E-05	0.00033	1.50E-05	5.39E-05	8.10E-06	2.50E-05
2586	437759.9	3762384	9.76E-05	0.000333	1.52E-05	5.44E-05	8.17E-06	2.52E-05
2587	437768.4	3762388	9.85E-05	0.000336	1.53E-05	5.49E-05	8.24E-06	2.54E-05
2588	437776.9	3762391	9.92E-05	0.000338	1.54E-05	5.53E-05	8.31E-06	2.56E-05
2589	437785.4	3762395	1E-04	0.000341	1.55E-05	5.57E-05	8.37E-06	2.58E-05
2590	437793.9	3762398	0.000101	0.000343	1.56E-05	5.60E-05	8.42E-06	2.60E-05
2591	437802.4	3762402	0.000101	0.000345	1.57E-05	5.64E-05	8.47E-06	2.62E-05
2592	437810.9	3762405	0.000102	0.000347	1.58E-05	5.67E-05	8.52E-06	2.63E-05
2593	437819.4	3762409	0.000102	0.000349	1.59E-05	5.69E-05	8.55E-06	2.64E-05
2594	437827.9	3762412	0.000103	0.00035	1.59E-05	5.72E-05	8.59E-06	2.65E-05
2595	437836.3	3762416	0.000103	0.000351	1.60E-05	5.74E-05	8.62E-06	2.66E-05
2596	437844.8	3762419	0.000103	0.000352	1.60E-05	5.75E-05	8.64E-06	2.67E-05

2597	437856.8	3762431	0.000107	0.000364	1.66E-05	5.95E-05	8.94E-06	2.76E-05
2598	437860.4	3762440	0.00011	0.000376	1.71E-05	6.14E-05	9.22E-06	2.85E-05
2599	437863.9	3762448	0.000114	0.000388	1.77E-05	6.33E-05	9.52E-06	2.94E-05
2600	437867.4	3762457	0.000117	0.0004	1.82E-05	6.54E-05	9.82E-06	3.03E-05
2601	437870.9	3762465	0.000121	0.000413	1.88E-05	6.75E-05	1.01E-05	3.13E-05
2602	437874.4	3762474	0.000125	0.000426	1.94E-05	6.96E-05	1.05E-05	3.23E-05
2603	437877.9	3762482	0.000129	0.00044	2.01E-05	7.19E-05	1.08E-05	3.34E-05
2604	437881.4	3762491	0.000133	0.000455	2.07E-05	7.43E-05	1.12E-05	3.44E-05
2605	437884.9	3762499	0.000138	0.00047	2.14E-05	7.67E-05	1.15E-05	3.56E-05
2606	437888.4	3762508	0.000142	0.000485	2.21E-05	7.92E-05	1.19E-05	3.68E-05
2607	437891.9	3762516	0.000147	0.000501	2.28E-05	8.19E-05	1.23E-05	3.80E-05
2608	437895.4	3762525	0.000152	0.000518	2.36E-05	8.47E-05	1.27E-05	3.93E-05
2609	437898.9	3762533	0.000157	0.000536	2.44E-05	8.75E-05	1.32E-05	4.06E-05
2610	437902.5	3762542	0.000162	0.000554	2.52E-05	9.05E-05	1.36E-05	4.20E-05
2611	437906	3762550	0.000168	0.000573	2.61E-05	9.36E-05	1.41E-05	4.34E-05
2612	437909.5	3762559	0.000174	0.000593	2.70E-05	9.69E-05	1.46E-05	4.49E-05
2613	437913	3762567	0.00018	0.000613	2.79E-05	1.00E-04	1.51E-05	4.65E-05
2614	437916.5	3762576	0.000186	0.000634	2.89E-05	1.04E-04	1.56E-05	4.81E-05
2615	437920	3762584	0.000192	0.000656	2.99E-05	1.07E-04	1.61E-05	4.97E-05
2616	437923.5	3762593	0.000199	0.000679	3.09E-05	1.11E-04	1.67E-05	5.15E-05
2617	437930.5	3762610	0.000213	0.000726	3.31E-05	1.19E-04	1.78E-05	5.50E-05
2618	437934	3762618	0.00022	0.000751	3.42E-05	1.23E-04	1.84E-05	5.69E-05
2619	437937.5	3762627	0.000227	0.000775	3.53E-05	1.27E-04	1.90E-05	5.88E-05
2620	437941.1	3762635	0.000235	0.000801	3.65E-05	1.31E-04	1.97E-05	6.07E-05
2621	437546.7	3762300	6.33E-05	0.000216	9.83E-06	3.52E-05	5.29E-06	1.63E-05
2622	437537.3	3762300	6.27E-05	0.000214	9.74E-06	3.49E-05	5.25E-06	1.62E-05
2623	437527.9	3762300	6.21E-05	0.000212	9.64E-06	3.46E-05	5.20E-06	1.60E-05
2624	437518.5	3762300	6.15E-05	0.00021	9.55E-06	3.42E-05	5.14E-06	1.59E-05
2625	437509.2	3762300	6.09E-05	0.000208	9.46E-06	3.39E-05	5.09E-06	1.57E-05
2626	437499.8	3762300	6.02E-05	0.000205	9.36E-06	3.36E-05	5.04E-06	1.56E-05
2627	437490.4	3762300	5.96E-05	0.000203	9.26E-06	3.32E-05	4.99E-06	1.54E-05
2628	437481	3762300	5.9E-05	0.000201	9.17E-06	3.29E-05	4.94E-06	1.52E-05
2629	437471.6	3762300	5.84E-05	0.000199	9.08E-06	3.25E-05	4.89E-06	1.51E-05
2630	437462.2	3762300	5.78E-05	0.000197	8.98E-06	3.22E-05	4.84E-06	1.49E-05
2631	437452.8	3762300	5.72E-05	0.000195	8.89E-06	3.19E-05	4.79E-06	1.48E-05
2632	437443.4	3762300	5.67E-05	0.000193	8.81E-06	3.16E-05	4.74E-06	1.46E-05
2633	437581.9	3762280	5.99E-05	0.000204	9.30E-06	3.33E-05	5.01E-06	1.55E-05
2634	437590.5	3762284	6.12E-05	0.000209	9.52E-06	3.41E-05	5.13E-06	1.58E-05
2635	437599.1	3762288	6.26E-05	0.000214	9.73E-06	3.49E-05	5.24E-06	1.62E-05
2636	437607.7	3762291	6.4E-05	0.000218	9.95E-06	3.57E-05	5.36E-06	1.65E-05
2637	437616.4	3762295	6.54E-05	0.000223	1.02E-05	3.65E-05	5.48E-06	1.69E-05
2638	437625	3762298	6.68E-05	0.000228	1.04E-05	3.72E-05	5.59E-06	1.73E-05
2639	437633.6	3762302	6.82E-05	0.000233	1.06E-05	3.80E-05	5.71E-06	1.76E-05
2640	437642.2	3762305	6.96E-05	0.000237	1.08E-05	3.88E-05	5.82E-06	1.80E-05
2641	437650.8	3762309	7.09E-05	0.000242	1.10E-05	3.95E-05	5.94E-06	1.83E-05
2642	437659.4	3762313	7.23E-05	0.000246	1.12E-05	4.03E-05	6.05E-06	1.87E-05
2643	437668	3762316	7.36E-05	0.000251	1.14E-05	4.10E-05	6.16E-06	1.90E-05
2644	437676.6	3762320	7.48E-05	0.000255	1.16E-05	4.17E-05	6.27E-06	1.93E-05
2645	437685.2	3762323	7.61E-05	0.00026	1.18E-05	4.24E-05	6.37E-06	1.97E-05
2646	437693.8	3762327	7.73E-05	0.000264	1.20E-05	4.31E-05	6.47E-06	2.00E-05
2647	437702.4	3762330	7.85E-05	0.000268	1.22E-05	4.37E-05	6.57E-06	2.03E-05
2648	437711	3762334	7.96E-05	0.000272	1.24E-05	4.44E-05	6.67E-06	2.06E-05

2649	437719.6	3762338	8.07E-05	0.000275	1.25E-05	4.50E-05	6.76E-06	2.09E-05
2650	437728.2	3762341	8.18E-05	0.000279	1.27E-05	4.55E-05	6.84E-06	2.11E-05
2651	437736.9	3762345	8.28E-05	0.000282	1.29E-05	4.61E-05	6.93E-06	2.14E-05
2652	437745.5	3762348	8.37E-05	0.000285	1.30E-05	4.66E-05	7.01E-06	2.16E-05
2653	437754.1	3762352	8.46E-05	0.000289	1.31E-05	4.71E-05	7.08E-06	2.19E-05
2654	437762.7	3762355	8.54E-05	0.000291	1.33E-05	4.76E-05	7.15E-06	2.21E-05
2655	437771.3	3762359	8.62E-05	0.000294	1.34E-05	4.80E-05	7.22E-06	2.23E-05
2656	437779.9	3762362	8.7E-05	0.000297	1.35E-05	4.84E-05	7.28E-06	2.25E-05
2657	437788.5	3762366	8.77E-05	0.000299	1.36E-05	4.88E-05	7.34E-06	2.27E-05
2658	437797.1	3762370	8.83E-05	0.000301	1.37E-05	4.92E-05	7.39E-06	2.28E-05
2659	437805.7	3762373	8.89E-05	0.000303	1.38E-05	4.95E-05	7.44E-06	2.30E-05
2660	437814.3	3762377	8.94E-05	0.000305	1.39E-05	4.98E-05	7.49E-06	2.31E-05
2661	437822.9	3762380	8.99E-05	0.000307	1.40E-05	5.01E-05	7.53E-06	2.32E-05
2662	437831.5	3762384	9.04E-05	0.000308	1.40E-05	5.03E-05	7.56E-06	2.33E-05
2663	437840.1	3762387	9.07E-05	0.000309	1.41E-05	5.06E-05	7.60E-06	2.34E-05
2664	437848.7	3762391	9.11E-05	0.000311	1.42E-05	5.07E-05	7.62E-06	2.35E-05
2665	437857.3	3762395	9.14E-05	0.000312	1.42E-05	5.09E-05	7.65E-06	2.36E-05
2666	437866	3762398	9.16E-05	0.000312	1.42E-05	5.10E-05	7.67E-06	2.37E-05
2667	437878.1	3762410	9.46E-05	0.000323	1.47E-05	5.27E-05	7.92E-06	2.44E-05
2668	437881.7	3762419	9.74E-05	0.000332	1.51E-05	5.43E-05	8.15E-06	2.52E-05
2669	437885.2	3762428	0.0001	0.000342	1.56E-05	5.59E-05	8.40E-06	2.59E-05
2670	437888.8	3762436	0.000103	0.000353	1.61E-05	5.76E-05	8.65E-06	2.67E-05
2671	437892.3	3762445	0.000107	0.000363	1.66E-05	5.93E-05	8.92E-06	2.75E-05
2672	437895.9	3762453	0.00011	0.000374	1.71E-05	6.12E-05	9.19E-06	2.84E-05
2673	437899.5	3762462	0.000113	0.000386	1.76E-05	6.30E-05	9.47E-06	2.92E-05
2674	437903	3762471	0.000117	0.000398	1.81E-05	6.50E-05	9.76E-06	3.01E-05
2675	437906.6	3762479	0.00012	0.00041	1.87E-05	6.70E-05	1.01E-05	3.11E-05
2676	437910.1	3762488	0.000124	0.000423	1.93E-05	6.91E-05	1.04E-05	3.20E-05
2677	437913.7	3762496	0.000128	0.000436	1.99E-05	7.13E-05	1.07E-05	3.31E-05
2678	437917.2	3762505	0.000132	0.00045	2.05E-05	7.35E-05	1.10E-05	3.41E-05
2679	437920.8	3762514	0.000136	0.000464	2.12E-05	7.59E-05	1.14E-05	3.52E-05
2680	437924.3	3762522	0.000141	0.000479	2.18E-05	7.83E-05	1.18E-05	3.63E-05
2681	437927.9	3762531	0.000145	0.000495	2.26E-05	8.09E-05	1.22E-05	3.75E-05
2682	437931.5	3762540	0.00015	0.000511	2.33E-05	8.35E-05	1.25E-05	3.87E-05
2683	437935	3762548	0.000155	0.000528	2.40E-05	8.62E-05	1.30E-05	4.00E-05
2684	437938.6	3762557	0.00016	0.000545	2.48E-05	8.90E-05	1.34E-05	4.13E-05
2685	437995.5	3762695	0.000257	0.000877	4.00E-05	1.43E-04	2.15E-05	6.64E-05
2686	437999	3762703	0.000263	0.000897	4.09E-05	1.47E-04	2.20E-05	6.80E-05
2687	438002.6	3762712	0.000269	0.000916	4.18E-05	1.50E-04	2.25E-05	6.94E-05
2688	437546.7	3762270	5.53E-05	0.000189	8.59E-06	3.08E-05	4.63E-06	1.43E-05
2689	437537.3	3762270	5.48E-05	0.000187	8.52E-06	3.05E-05	4.59E-06	1.42E-05
2690	437527.9	3762270	5.43E-05	0.000185	8.44E-06	3.03E-05	4.55E-06	1.40E-05
2691	437518.5	3762270	5.38E-05	0.000183	8.36E-06	3.00E-05	4.50E-06	1.39E-05
2692	437509.2	3762270	5.33E-05	0.000182	8.28E-06	2.97E-05	4.46E-06	1.38E-05
2693	437499.8	3762270	5.27E-05	0.00018	8.19E-06	2.94E-05	4.41E-06	1.36E-05
2694	437490.4	3762270	5.22E-05	0.000178	8.11E-06	2.91E-05	4.37E-06	1.35E-05
2695	437481	3762270	5.17E-05	0.000176	8.03E-06	2.88E-05	4.33E-06	1.34E-05
2696	437471.6	3762270	5.12E-05	0.000175	7.95E-06	2.85E-05	4.28E-06	1.32E-05
2697	437462.2	3762270	5.07E-05	0.000173	7.88E-06	2.82E-05	4.24E-06	1.31E-05
2698	437452.8	3762270	5.02E-05	0.000171	7.80E-06	2.80E-05	4.20E-06	1.30E-05
2699	437443.4	3762270	4.97E-05	0.00017	7.73E-06	2.77E-05	4.16E-06	1.29E-05
2700	437649.5	3762278	6.2E-05	0.000211	9.63E-06	3.45E-05	5.19E-06	1.60E-05

2701	437658	3762282	6.31E-05	0.000215	9.81E-06	3.52E-05	5.28E-06	1.63E-05
2702	437666.5	3762285	6.42E-05	0.000219	9.98E-06	3.58E-05	5.38E-06	1.66E-05
2703	437675	3762289	6.54E-05	0.000223	1.02E-05	3.64E-05	5.47E-06	1.69E-05
2704	437683.5	3762293	6.64E-05	0.000227	1.03E-05	3.70E-05	5.56E-06	1.72E-05
2705	437692	3762296	6.75E-05	0.00023	1.05E-05	3.76E-05	5.65E-06	1.74E-05
2706	437700.5	3762300	6.85E-05	0.000234	1.06E-05	3.82E-05	5.74E-06	1.77E-05
2707	437709	3762303	6.95E-05	0.000237	1.08E-05	3.87E-05	5.82E-06	1.80E-05
2708	437717.5	3762307	7.05E-05	0.00024	1.10E-05	3.93E-05	5.90E-06	1.82E-05
2709	437725.9	3762310	7.15E-05	0.000244	1.11E-05	3.98E-05	5.98E-06	1.85E-05
2710	437734.4	3762314	7.24E-05	0.000247	1.12E-05	4.03E-05	6.06E-06	1.87E-05
2711	437742.9	3762317	7.32E-05	0.00025	1.14E-05	4.08E-05	6.13E-06	1.89E-05
2712	437751.4	3762321	7.41E-05	0.000253	1.15E-05	4.13E-05	6.20E-06	1.91E-05
2713	437759.9	3762324	7.49E-05	0.000255	1.16E-05	4.17E-05	6.27E-06	1.93E-05
2714	437768.4	3762328	7.56E-05	0.000258	1.17E-05	4.21E-05	6.33E-06	1.95E-05
2715	437776.9	3762331	7.63E-05	0.00026	1.19E-05	4.25E-05	6.39E-06	1.97E-05
2716	437785.4	3762335	7.7E-05	0.000263	1.20E-05	4.29E-05	6.44E-06	1.99E-05
2717	437793.9	3762338	7.76E-05	0.000265	1.21E-05	4.32E-05	6.50E-06	2.01E-05
2718	437802.4	3762342	7.82E-05	0.000267	1.22E-05	4.36E-05	6.55E-06	2.02E-05
2719	437810.9	3762345	7.88E-05	0.000269	1.22E-05	4.39E-05	6.59E-06	2.04E-05
2720	437819.4	3762349	7.93E-05	0.00027	1.23E-05	4.42E-05	6.64E-06	2.05E-05
2721	437827.9	3762352	7.97E-05	0.000272	1.24E-05	4.44E-05	6.68E-06	2.06E-05
2722	437836.3	3762356	8.02E-05	0.000273	1.25E-05	4.47E-05	6.71E-06	2.07E-05
2723	437844.8	3762359	8.06E-05	0.000275	1.25E-05	4.49E-05	6.74E-06	2.08E-05
2724	437853.3	3762363	8.09E-05	0.000276	1.26E-05	4.51E-05	6.77E-06	2.09E-05
2725	437861.8	3762366	8.12E-05	0.000277	1.26E-05	4.53E-05	6.80E-06	2.10E-05
2726	437870.3	3762370	8.15E-05	0.000278	1.27E-05	4.54E-05	6.82E-06	2.11E-05
2727	437878.8	3762374	8.17E-05	0.000279	1.27E-05	4.55E-05	6.84E-06	2.11E-05
2728	437887.3	3762377	8.19E-05	0.000279	1.27E-05	4.56E-05	6.86E-06	2.12E-05
2729	437899.3	3762389	8.44E-05	0.000288	1.31E-05	4.70E-05	7.06E-06	2.18E-05
2730	437902.8	3762398	8.67E-05	0.000296	1.35E-05	4.83E-05	7.26E-06	2.24E-05
2731	437906.3	3762406	8.91E-05	0.000304	1.38E-05	4.96E-05	7.46E-06	2.30E-05
2732	437909.8	3762415	9.16E-05	0.000312	1.42E-05	5.10E-05	7.67E-06	2.37E-05
2733	437913.3	3762423	9.42E-05	0.000321	1.46E-05	5.25E-05	7.88E-06	2.43E-05
2734	437916.8	3762432	9.68E-05	0.00033	1.50E-05	5.39E-05	8.10E-06	2.50E-05
2735	437920.4	3762440	9.95E-05	0.000339	1.55E-05	5.54E-05	8.33E-06	2.57E-05
2736	437923.9	3762449	0.000102	0.000349	1.59E-05	5.70E-05	8.57E-06	2.64E-05
2737	437927.4	3762457	0.000105	0.000359	1.64E-05	5.86E-05	8.81E-06	2.72E-05
2738	437930.9	3762466	0.000108	0.000369	1.68E-05	6.03E-05	9.06E-06	2.80E-05
2739	437934.4	3762474	0.000111	0.00038	1.73E-05	6.21E-05	9.33E-06	2.88E-05
2740	437937.9	3762483	0.000115	0.000391	1.78E-05	6.39E-05	9.60E-06	2.96E-05
2741	437941.4	3762491	0.000118	0.000402	1.83E-05	6.57E-05	9.88E-06	3.05E-05
2742	437944.9	3762500	0.000122	0.000414	1.89E-05	6.77E-05	1.02E-05	3.14E-05
2743	437994	3762618	0.000185	0.000631	2.87E-05	1.03E-04	1.55E-05	4.78E-05
2744	437997.5	3762627	0.00019	0.000649	2.96E-05	1.06E-04	1.59E-05	4.92E-05
2745	438001.1	3762635	0.000196	0.000667	3.04E-05	1.09E-04	1.64E-05	5.06E-05
2746	438004.6	3762644	0.000201	0.000686	3.12E-05	1.12E-04	1.68E-05	5.20E-05
2747	438008.1	3762652	0.000206	0.000704	3.21E-05	1.15E-04	1.73E-05	5.33E-05
2748	438011.6	3762661	0.000212	0.000722	3.29E-05	1.18E-04	1.77E-05	5.47E-05
2749	438015.1	3762669	0.000217	0.00074	3.37E-05	1.21E-04	1.82E-05	5.61E-05
2750	438018.6	3762678	0.000222	0.000758	3.45E-05	1.24E-04	1.86E-05	5.75E-05
2751	438022.1	3762686	0.000228	0.000776	3.53E-05	1.27E-04	1.90E-05	5.88E-05
2752	438025.6	3762695	0.000233	0.000793	3.61E-05	1.30E-04	1.95E-05	6.01E-05

2753	438029.1	3762703	0.000237	0.00081	3.69E-05	1.32E-04	1.99E-05	6.13E-05
2754	438032.6	3762712	0.000242	0.000826	3.76E-05	1.35E-04	2.03E-05	6.26E-05
2755	437546.7	3762240	4.88E-05	0.000167	7.59E-06	2.72E-05	4.09E-06	1.26E-05
2756	437537.3	3762240	4.84E-05	0.000165	7.52E-06	2.70E-05	4.05E-06	1.25E-05
2757	437527.9	3762240	4.79E-05	0.000163	7.45E-06	2.67E-05	4.01E-06	1.24E-05
2758	437518.5	3762240	4.75E-05	0.000162	7.38E-06	2.65E-05	3.98E-06	1.23E-05
2759	437509.1	3762240	4.7E-05	0.00016	7.31E-06	2.62E-05	3.94E-06	1.22E-05
2760	437499.8	3762240	4.66E-05	0.000159	7.24E-06	2.60E-05	3.90E-06	1.20E-05
2761	437490.4	3762240	4.61E-05	0.000157	7.17E-06	2.57E-05	3.86E-06	1.19E-05
2762	437481	3762240	4.57E-05	0.000156	7.10E-06	2.55E-05	3.83E-06	1.18E-05
2763	437471.6	3762240	4.53E-05	0.000154	7.03E-06	2.52E-05	3.79E-06	1.17E-05
2764	437462.2	3762240	4.48E-05	0.000153	6.97E-06	2.50E-05	3.75E-06	1.16E-05
2765	437452.8	3762240	4.44E-05	0.000152	6.90E-06	2.48E-05	3.72E-06	1.15E-05
2766	437443.4	3762240	4.4E-05	0.00015	6.84E-06	2.45E-05	3.69E-06	1.14E-05
2767	437719.4	3762277	6.25E-05	0.000213	9.70E-06	3.48E-05	5.23E-06	1.61E-05
2768	437728	3762281	6.33E-05	0.000216	9.84E-06	3.53E-05	5.30E-06	1.64E-05
2769	437736.6	3762285	6.41E-05	0.000219	9.96E-06	3.57E-05	5.37E-06	1.66E-05
2770	437745.2	3762288	6.49E-05	0.000221	1.01E-05	3.62E-05	5.43E-06	1.68E-05
2771	437753.7	3762292	6.57E-05	0.000224	1.02E-05	3.66E-05	5.50E-06	1.70E-05
2772	437762.3	3762295	6.64E-05	0.000227	1.03E-05	3.70E-05	5.56E-06	1.72E-05
2773	437770.9	3762299	6.71E-05	0.000229	1.04E-05	3.74E-05	5.62E-06	1.73E-05
2774	437779.5	3762302	6.78E-05	0.000231	1.05E-05	3.78E-05	5.67E-06	1.75E-05
2775	437788.1	3762306	6.84E-05	0.000233	1.06E-05	3.81E-05	5.73E-06	1.77E-05
2776	437796.7	3762309	6.9E-05	0.000235	1.07E-05	3.85E-05	5.78E-06	1.78E-05
2777	437805.3	3762313	6.96E-05	0.000237	1.08E-05	3.88E-05	5.83E-06	1.80E-05
2778	437813.9	3762317	7.01E-05	0.000239	1.09E-05	3.91E-05	5.87E-06	1.81E-05
2779	437822.5	3762320	7.06E-05	0.000241	1.10E-05	3.93E-05	5.91E-06	1.82E-05
2780	437831.1	3762324	7.11E-05	0.000242	1.10E-05	3.96E-05	5.95E-06	1.84E-05
2781	437839.7	3762327	7.15E-05	0.000244	1.11E-05	3.98E-05	5.99E-06	1.85E-05
2782	437848.3	3762331	7.19E-05	0.000245	1.12E-05	4.01E-05	6.02E-06	1.86E-05
2783	437856.9	3762334	7.23E-05	0.000247	1.12E-05	4.03E-05	6.05E-06	1.87E-05
2784	437865.5	3762338	7.26E-05	0.000248	1.13E-05	4.05E-05	6.08E-06	1.88E-05
2785	437874	3762342	7.29E-05	0.000249	1.13E-05	4.06E-05	6.10E-06	1.88E-05
2786	437882.6	3762345	7.32E-05	0.00025	1.14E-05	4.08E-05	6.12E-06	1.89E-05
2787	437891.2	3762349	7.34E-05	0.00025	1.14E-05	4.09E-05	6.14E-06	1.90E-05
2788	437899.8	3762352	7.36E-05	0.000251	1.14E-05	4.10E-05	6.16E-06	1.90E-05
2789	437908.4	3762356	7.38E-05	0.000252	1.15E-05	4.11E-05	6.18E-06	1.91E-05
2790	437920.6	3762368	7.59E-05	0.000259	1.18E-05	4.23E-05	6.35E-06	1.96E-05
2791	437924.1	3762377	7.78E-05	0.000265	1.21E-05	4.34E-05	6.52E-06	2.01E-05
2792	437927.7	3762385	7.99E-05	0.000272	1.24E-05	4.45E-05	6.69E-06	2.06E-05
2793	437931.2	3762394	8.2E-05	0.00028	1.27E-05	4.57E-05	6.86E-06	2.12E-05
2794	437934.8	3762402	8.42E-05	0.000287	1.31E-05	4.69E-05	7.05E-06	2.17E-05
2795	437938.3	3762411	8.64E-05	0.000295	1.34E-05	4.81E-05	7.23E-06	2.23E-05
2796	437941.9	3762420	8.87E-05	0.000302	1.38E-05	4.94E-05	7.42E-06	2.29E-05
2797	437945.4	3762428	9.11E-05	0.000311	1.42E-05	5.07E-05	7.62E-06	2.35E-05
2798	437949	3762437	9.35E-05	0.000319	1.45E-05	5.21E-05	7.83E-06	2.42E-05
2799	437952.5	3762445	9.61E-05	0.000328	1.49E-05	5.35E-05	8.04E-06	2.48E-05
2800	437956.1	3762454	9.87E-05	0.000337	1.53E-05	5.50E-05	8.26E-06	2.55E-05
2801	438005.8	3762574	0.000147	0.000502	2.29E-05	8.20E-05	1.23E-05	3.80E-05
2802	438009.3	3762583	0.000151	0.000517	2.35E-05	8.44E-05	1.27E-05	3.91E-05
2803	438012.9	3762591	0.000156	0.000532	2.42E-05	8.69E-05	1.31E-05	4.03E-05
2804	438016.4	3762600	0.00016	0.000547	2.49E-05	8.94E-05	1.34E-05	4.15E-05

2805	438020	3762609	0.000165	0.000563	2.56E-05	9.19E-05	1.38E-05	4.26E-05
2806	438023.5	3762617	0.00017	0.000578	2.64E-05	9.45E-05	1.42E-05	4.38E-05
2807	438027.1	3762626	0.000174	0.000594	2.71E-05	9.71E-05	1.46E-05	4.50E-05
2808	438030.6	3762634	0.000179	0.00061	2.78E-05	9.97E-05	1.50E-05	4.62E-05
2809	438034.2	3762643	0.000184	0.000626	2.85E-05	1.02E-04	1.54E-05	4.74E-05
2810	438037.7	3762652	0.000188	0.000642	2.93E-05	1.05E-04	1.58E-05	4.87E-05
2811	438041.3	3762660	0.000193	0.000658	3.00E-05	1.07E-04	1.61E-05	4.99E-05
2812	438044.8	3762669	0.000198	0.000674	3.07E-05	1.10E-04	1.65E-05	5.10E-05
2813	438048.4	3762677	0.000202	0.000689	3.14E-05	1.13E-04	1.69E-05	5.22E-05
2814	438051.9	3762686	0.000207	0.000704	3.21E-05	1.15E-04	1.73E-05	5.34E-05
2815	438055.5	3762695	0.000211	0.000719	3.28E-05	1.17E-04	1.77E-05	5.45E-05
2816	438059	3762703	0.000215	0.000734	3.34E-05	1.20E-04	1.80E-05	5.56E-05
2817	438062.6	3762712	0.000219	0.000747	3.41E-05	1.22E-04	1.83E-05	5.66E-05
2818	437546.7	3762210	4.35E-05	0.000148	6.76E-06	2.42E-05	3.64E-06	1.12E-05
2819	437537.3	3762210	4.31E-05	0.000147	6.69E-06	2.40E-05	3.61E-06	1.11E-05
2820	437527.9	3762210	4.27E-05	0.000146	6.63E-06	2.38E-05	3.57E-06	1.10E-05
2821	437518.5	3762210	4.23E-05	0.000144	6.57E-06	2.35E-05	3.54E-06	1.09E-05
2822	437509.1	3762210	4.19E-05	0.000143	6.51E-06	2.33E-05	3.51E-06	1.08E-05
2823	437499.8	3762210	4.15E-05	0.000142	6.45E-06	2.31E-05	3.47E-06	1.07E-05
2824	437490.4	3762210	4.11E-05	0.00014	6.39E-06	2.29E-05	3.44E-06	1.06E-05
2825	437481	3762210	4.07E-05	0.000139	6.33E-06	2.27E-05	3.41E-06	1.05E-05
2826	437471.6	3762210	4.04E-05	0.000138	6.27E-06	2.25E-05	3.38E-06	1.04E-05
2827	437462.2	3762210	4E-05	0.000136	6.21E-06	2.23E-05	3.35E-06	1.03E-05
2828	437452.8	3762210	3.96E-05	0.000135	6.16E-06	2.21E-05	3.32E-06	1.02E-05
2829	437443.4	3762210	3.93E-05	0.000134	6.11E-06	2.19E-05	3.29E-06	1.02E-05
2830	437793.9	3762278	6.14E-05	0.000209	9.54E-06	3.42E-05	5.14E-06	1.59E-05
2831	437802.4	3762282	6.19E-05	0.000211	9.63E-06	3.45E-05	5.19E-06	1.60E-05
2832	437810.9	3762285	6.25E-05	0.000213	9.71E-06	3.48E-05	5.23E-06	1.61E-05
2833	437819.4	3762289	6.3E-05	0.000215	9.78E-06	3.51E-05	5.27E-06	1.63E-05
2834	437827.8	3762292	6.34E-05	0.000216	9.85E-06	3.53E-05	5.31E-06	1.64E-05
2835	437836.3	3762296	6.39E-05	0.000218	9.92E-06	3.56E-05	5.34E-06	1.65E-05
2836	437844.8	3762299	6.43E-05	0.000219	9.98E-06	3.58E-05	5.38E-06	1.66E-05
2837	437853.3	3762303	6.46E-05	0.00022	1.00E-05	3.60E-05	5.41E-06	1.67E-05
2838	437861.8	3762306	6.5E-05	0.000222	1.01E-05	3.62E-05	5.44E-06	1.68E-05
2839	437870.3	3762310	6.53E-05	0.000223	1.01E-05	3.64E-05	5.47E-06	1.69E-05
2840	437878.8	3762314	6.56E-05	0.000224	1.02E-05	3.66E-05	5.49E-06	1.70E-05
2841	437887.3	3762317	6.59E-05	0.000225	1.02E-05	3.67E-05	5.52E-06	1.70E-05
2842	437895.8	3762321	6.61E-05	0.000226	1.03E-05	3.68E-05	5.54E-06	1.71E-05
2843	437904.3	3762324	6.64E-05	0.000226	1.03E-05	3.70E-05	5.55E-06	1.71E-05
2844	437912.8	3762328	6.65E-05	0.000227	1.03E-05	3.71E-05	5.57E-06	1.72E-05
2845	437921.3	3762331	6.67E-05	0.000228	1.04E-05	3.72E-05	5.58E-06	1.72E-05
2846	437929.8	3762335	6.69E-05	0.000228	1.04E-05	3.72E-05	5.60E-06	1.73E-05
2847	437941.8	3762347	6.86E-05	0.000234	1.07E-05	3.82E-05	5.74E-06	1.77E-05
2848	437945.3	3762355	7.03E-05	0.00024	1.09E-05	3.92E-05	5.88E-06	1.82E-05
2849	437948.8	3762364	7.2E-05	0.000245	1.12E-05	4.01E-05	6.03E-06	1.86E-05
2850	437952.3	3762372	7.38E-05	0.000251	1.15E-05	4.11E-05	6.17E-06	1.91E-05
2851	437955.8	3762381	7.56E-05	0.000258	1.17E-05	4.21E-05	6.32E-06	1.95E-05
2852	437983.9	3762449	9.21E-05	0.000314	1.43E-05	5.13E-05	7.71E-06	2.38E-05
2853	437987.4	3762457	9.45E-05	0.000322	1.47E-05	5.26E-05	7.91E-06	2.44E-05
2854	437990.9	3762466	9.69E-05	0.000331	1.51E-05	5.40E-05	8.11E-06	2.50E-05
2855	437994.4	3762474	9.95E-05	0.000339	1.55E-05	5.54E-05	8.33E-06	2.57E-05
2856	437997.9	3762483	0.000102	0.000348	1.59E-05	5.69E-05	8.55E-06	2.64E-05

2857	438001.4	3762491	0.000105	0.000358	1.63E-05	5.84E-05	8.78E-06	2.71E-05
2858	438004.9	3762500	0.000108	0.000367	1.67E-05	6.00E-05	9.02E-06	2.78E-05
2859	438008.4	3762508	0.000111	0.000377	1.72E-05	6.16E-05	9.26E-06	2.86E-05
2860	438011.9	3762517	0.000114	0.000388	1.77E-05	6.33E-05	9.52E-06	2.94E-05
2861	438015.4	3762525	0.000117	0.000399	1.82E-05	6.51E-05	9.78E-06	3.02E-05
2862	438018.9	3762534	0.00012	0.00041	1.87E-05	6.69E-05	1.01E-05	3.10E-05
2863	438022.5	3762542	0.000123	0.000421	1.92E-05	6.88E-05	1.03E-05	3.19E-05
2864	438026	3762551	0.000127	0.000433	1.97E-05	7.07E-05	1.06E-05	3.28E-05
2865	438029.5	3762559	0.00013	0.000445	2.03E-05	7.27E-05	1.09E-05	3.37E-05
2866	438033	3762568	0.000134	0.000457	2.08E-05	7.47E-05	1.12E-05	3.46E-05
2867	438036.5	3762576	0.000138	0.00047	2.14E-05	7.67E-05	1.15E-05	3.56E-05
2868	438040	3762585	0.000142	0.000483	2.20E-05	7.88E-05	1.18E-05	3.66E-05
2869	438043.5	3762593	0.000145	0.000496	2.26E-05	8.10E-05	1.22E-05	3.76E-05
2870	438047	3762602	0.000149	0.000509	2.32E-05	8.31E-05	1.25E-05	3.86E-05
2871	438050.5	3762610	0.000153	0.000522	2.38E-05	8.53E-05	1.28E-05	3.96E-05
2872	438054	3762619	0.000157	0.000536	2.44E-05	8.75E-05	1.32E-05	4.06E-05
2873	438057.5	3762627	0.000161	0.000549	2.50E-05	8.97E-05	1.35E-05	4.16E-05
2874	438061.1	3762636	0.000165	0.000563	2.57E-05	9.20E-05	1.38E-05	4.27E-05
2875	438064.6	3762644	0.000169	0.000577	2.63E-05	9.42E-05	1.42E-05	4.37E-05
2876	438068.1	3762653	0.000173	0.000591	2.69E-05	9.65E-05	1.45E-05	4.47E-05
2877	438071.6	3762661	0.000177	0.000604	2.75E-05	9.87E-05	1.48E-05	4.58E-05
2878	438075.1	3762670	0.000181	0.000617	2.81E-05	1.01E-04	1.52E-05	4.68E-05
2879	438078.6	3762678	0.000185	0.000631	2.87E-05	1.03E-04	1.55E-05	4.78E-05
2880	438082.1	3762687	0.000189	0.000644	2.93E-05	1.05E-04	1.58E-05	4.88E-05
2881	438085.6	3762695	0.000192	0.000656	2.99E-05	1.07E-04	1.61E-05	4.97E-05
2882	438089.1	3762704	0.000196	0.000668	3.05E-05	1.09E-04	1.64E-05	5.06E-05
2883	438092.6	3762712	0.000199	0.00068	3.10E-05	1.11E-04	1.67E-05	5.15E-05
2884	437546.7	3762180	3.9E-05	0.000133	6.06E-06	2.17E-05	3.26E-06	1.01E-05
2885	437537.3	3762180	3.86E-05	0.000132	6.00E-06	2.15E-05	3.23E-06	9.98E-06
2886	437527.9	3762180	3.83E-05	0.000131	5.95E-06	2.13E-05	3.20E-06	9.89E-06
2887	437518.5	3762180	3.79E-05	0.000129	5.89E-06	2.11E-05	3.17E-06	9.80E-06
2888	437509.1	3762180	3.76E-05	0.000128	5.84E-06	2.09E-05	3.15E-06	9.71E-06
2889	437499.8	3762180	3.72E-05	0.000127	5.79E-06	2.07E-05	3.12E-06	9.62E-06
2890	437490.4	3762180	3.69E-05	0.000126	5.73E-06	2.06E-05	3.09E-06	9.53E-06
2891	437481	3762180	3.66E-05	0.000125	5.68E-06	2.04E-05	3.06E-06	9.45E-06
2892	437471.6	3762180	3.62E-05	0.000124	5.63E-06	2.02E-05	3.03E-06	9.36E-06
2893	437462.2	3762180	3.59E-05	0.000123	5.58E-06	2.00E-05	3.01E-06	9.28E-06
2894	437452.8	3762180	3.56E-05	0.000122	5.54E-06	1.98E-05	2.98E-06	9.21E-06
2895	437443.4	3762180	3.53E-05	0.000121	5.49E-06	1.97E-05	2.96E-06	9.13E-06
2896	437865.1	3762278	5.87E-05	0.0002	9.12E-06	3.27E-05	4.91E-06	1.52E-05
2897	437873.6	3762281	5.9E-05	0.000201	9.17E-06	3.29E-05	4.94E-06	1.52E-05
2898	437882.2	3762285	5.93E-05	0.000202	9.22E-06	3.30E-05	4.96E-06	1.53E-05
2899	437890.8	3762288	5.96E-05	0.000203	9.26E-06	3.32E-05	4.99E-06	1.54E-05
2900	437899.4	3762292	5.99E-05	0.000204	9.30E-06	3.33E-05	5.01E-06	1.55E-05
2901	437908	3762296	6.01E-05	0.000205	9.34E-06	3.35E-05	5.03E-06	1.55E-05
2902	437916.6	3762299	6.03E-05	0.000206	9.37E-06	3.36E-05	5.05E-06	1.56E-05
2903	437925.1	3762303	6.05E-05	0.000206	9.40E-06	3.37E-05	5.06E-06	1.56E-05
2904	437933.7	3762306	6.07E-05	0.000207	9.43E-06	3.38E-05	5.08E-06	1.57E-05
2905	437942.3	3762310	6.08E-05	0.000207	9.45E-06	3.39E-05	5.09E-06	1.57E-05
2906	437950.9	3762313	6.09E-05	0.000208	9.47E-06	3.39E-05	5.10E-06	1.57E-05
2907	437984.3	3762377	7.17E-05	0.000244	1.11E-05	3.99E-05	6.00E-06	1.85E-05
2908	437987.8	3762386	7.34E-05	0.00025	1.14E-05	4.09E-05	6.14E-06	1.90E-05

2909	437991.4	3762394	7.51E-05	0.000256	1.17E-05	4.18E-05	6.29E-06	1.94E-05
2910	437994.9	3762403	7.69E-05	0.000262	1.19E-05	4.28E-05	6.43E-06	1.99E-05
2911	437998.5	3762411	7.87E-05	0.000268	1.22E-05	4.38E-05	6.59E-06	2.03E-05
2912	438002	3762420	8.06E-05	0.000275	1.25E-05	4.49E-05	6.75E-06	2.08E-05
2913	438005.6	3762429	8.26E-05	0.000282	1.28E-05	4.60E-05	6.91E-06	2.13E-05
2914	438009.1	3762437	8.46E-05	0.000288	1.31E-05	4.71E-05	7.08E-06	2.19E-05
2915	438012.7	3762446	8.67E-05	0.000296	1.35E-05	4.83E-05	7.26E-06	2.24E-05
2916	438016.2	3762454	8.88E-05	0.000303	1.38E-05	4.95E-05	7.44E-06	2.30E-05
2917	438019.8	3762463	9.11E-05	0.000311	1.42E-05	5.07E-05	7.62E-06	2.35E-05
2918	438023.3	3762472	9.34E-05	0.000319	1.45E-05	5.20E-05	7.82E-06	2.41E-05
2919	438026.8	3762480	9.58E-05	0.000327	1.49E-05	5.34E-05	8.02E-06	2.48E-05
2920	438030.4	3762489	9.83E-05	0.000335	1.53E-05	5.48E-05	8.23E-06	2.54E-05
2921	438033.9	3762497	0.000101	0.000344	1.57E-05	5.62E-05	8.45E-06	2.61E-05
2922	438037.5	3762506	0.000104	0.000353	1.61E-05	5.77E-05	8.67E-06	2.68E-05
2923	438041	3762514	0.000106	0.000363	1.65E-05	5.92E-05	8.90E-06	2.75E-05
2924	438044.6	3762523	0.000109	0.000372	1.70E-05	6.08E-05	9.14E-06	2.82E-05
2925	438048.1	3762532	0.000112	0.000382	1.74E-05	6.25E-05	9.38E-06	2.90E-05
2926	438051.7	3762540	0.000115	0.000393	1.79E-05	6.41E-05	9.64E-06	2.97E-05
2927	438055.2	3762549	0.000118	0.000403	1.84E-05	6.58E-05	9.89E-06	3.05E-05
2928	438058.8	3762557	0.000121	0.000414	1.89E-05	6.76E-05	1.02E-05	3.14E-05
2929	438062.3	3762566	0.000125	0.000425	1.93E-05	6.94E-05	1.04E-05	3.22E-05
2930	438065.9	3762575	0.000128	0.000436	1.99E-05	7.12E-05	1.07E-05	3.30E-05
2931	438069.4	3762583	0.000131	0.000447	2.04E-05	7.31E-05	1.10E-05	3.39E-05
2932	438073	3762592	0.000135	0.000459	2.09E-05	7.50E-05	1.13E-05	3.48E-05
2933	438076.5	3762600	0.000138	0.000471	2.14E-05	7.69E-05	1.16E-05	3.57E-05
2934	438080	3762609	0.000141	0.000482	2.20E-05	7.88E-05	1.18E-05	3.66E-05
2935	438083.6	3762618	0.000145	0.000494	2.25E-05	8.08E-05	1.21E-05	3.75E-05
2936	438087.1	3762626	0.000149	0.000507	2.31E-05	8.28E-05	1.24E-05	3.84E-05
2937	438090.7	3762635	0.000152	0.000519	2.36E-05	8.47E-05	1.27E-05	3.93E-05
2938	438094.2	3762643	0.000156	0.000531	2.42E-05	8.67E-05	1.30E-05	4.02E-05
2939	438097.8	3762652	0.000159	0.000543	2.47E-05	8.87E-05	1.33E-05	4.11E-05
2940	438101.3	3762660	0.000163	0.000555	2.53E-05	9.06E-05	1.36E-05	4.20E-05
2941	438104.9	3762669	0.000166	0.000566	2.58E-05	9.25E-05	1.39E-05	4.29E-05
2942	438108.4	3762678	0.000169	0.000578	2.63E-05	9.44E-05	1.42E-05	4.38E-05
2943	438112	3762686	0.000173	0.000589	2.68E-05	9.62E-05	1.45E-05	4.46E-05
2944	438115.5	3762695	0.000176	0.0006	2.73E-05	9.80E-05	1.47E-05	4.54E-05
2945	438119.1	3762703	0.000179	0.00061	2.78E-05	9.97E-05	1.50E-05	4.63E-05
2946	438122.6	3762712	0.000182	0.000621	2.83E-05	1.01E-04	1.52E-05	4.70E-05
2947	437546.7	3762150	3.52E-05	0.00012	5.47E-06	1.96E-05	2.95E-06	9.10E-06
2948	437537.3	3762150	3.49E-05	0.000119	5.42E-06	1.94E-05	2.92E-06	9.02E-06
2949	437527.9	3762150	3.46E-05	0.000118	5.37E-06	1.93E-05	2.89E-06	8.94E-06
2950	437518.5	3762150	3.43E-05	0.000117	5.33E-06	1.91E-05	2.87E-06	8.86E-06
2951	437509.1	3762150	3.4E-05	0.000116	5.28E-06	1.89E-05	2.84E-06	8.78E-06
2952	437499.7	3762150	3.37E-05	0.000115	5.23E-06	1.88E-05	2.82E-06	8.70E-06
2953	437490.4	3762150	3.34E-05	0.000114	5.19E-06	1.86E-05	2.79E-06	8.62E-06
2954	437481	3762150	3.31E-05	0.000113	5.14E-06	1.84E-05	2.77E-06	8.55E-06
2955	437471.6	3762150	3.28E-05	0.000112	5.09E-06	1.83E-05	2.74E-06	8.47E-06
2956	437462.2	3762150	3.25E-05	0.000111	5.05E-06	1.81E-05	2.72E-06	8.40E-06
2957	437452.8	3762150	3.22E-05	0.00011	5.01E-06	1.80E-05	2.70E-06	8.33E-06
2958	437443.4	3762150	3.2E-05	0.000109	4.97E-06	1.78E-05	2.68E-06	8.26E-06
2959	437937.4	3762278	5.53E-05	0.000188	8.59E-06	3.08E-05	4.63E-06	1.43E-05
2960	437946	3762281	5.54E-05	0.000189	8.61E-06	3.09E-05	4.64E-06	1.43E-05

2961	437954.7	3762285	5.56E-05	0.00019	8.64E-06	3.10E-05	4.65E-06	1.44E-05
2962	438016.5	3762382	6.96E-05	0.000237	1.08E-05	3.88E-05	5.83E-06	1.80E-05
2963	438020.1	3762391	7.12E-05	0.000243	1.11E-05	3.97E-05	5.96E-06	1.84E-05
2964	438023.7	3762400	7.28E-05	0.000248	1.13E-05	4.06E-05	6.10E-06	1.88E-05
2965	438027.2	3762408	7.45E-05	0.000254	1.16E-05	4.15E-05	6.24E-06	1.93E-05
2966	438030.8	3762417	7.62E-05	0.00026	1.18E-05	4.25E-05	6.38E-06	1.97E-05
2967	438034.4	3762426	7.8E-05	0.000266	1.21E-05	4.35E-05	6.53E-06	2.02E-05
2968	438038	3762434	7.99E-05	0.000272	1.24E-05	4.45E-05	6.68E-06	2.06E-05
2969	438041.6	3762443	8.18E-05	0.000279	1.27E-05	4.56E-05	6.84E-06	2.11E-05
2970	438045.1	3762452	8.38E-05	0.000286	1.30E-05	4.67E-05	7.01E-06	2.16E-05
2971	438048.7	3762460	8.58E-05	0.000293	1.33E-05	4.78E-05	7.18E-06	2.22E-05
2972	438052.3	3762469	8.79E-05	0.0003	1.37E-05	4.90E-05	7.36E-06	2.27E-05
2973	438055.9	3762478	9.01E-05	0.000307	1.40E-05	5.02E-05	7.54E-06	2.33E-05
2974	438059.5	3762486	9.24E-05	0.000315	1.44E-05	5.15E-05	7.73E-06	2.39E-05
2975	438063.1	3762495	9.48E-05	0.000323	1.47E-05	5.28E-05	7.93E-06	2.45E-05
2976	438066.6	3762504	9.72E-05	0.000331	1.51E-05	5.41E-05	8.13E-06	2.51E-05
2977	438070.2	3762513	9.97E-05	0.00034	1.55E-05	5.55E-05	8.34E-06	2.58E-05
2978	438073.8	3762521	0.000102	0.000349	1.59E-05	5.70E-05	8.56E-06	2.64E-05
2979	438077.4	3762530	0.000105	0.000358	1.63E-05	5.84E-05	8.78E-06	2.71E-05
2980	438081	3762539	0.000108	0.000367	1.67E-05	5.99E-05	9.01E-06	2.78E-05
2981	438084.5	3762547	0.00011	0.000376	1.71E-05	6.15E-05	9.24E-06	2.85E-05
2982	438088.1	3762556	0.000113	0.000386	1.76E-05	6.30E-05	9.47E-06	2.92E-05
2983	438091.7	3762565	0.000116	0.000396	1.80E-05	6.46E-05	9.71E-06	3.00E-05
2984	438095.3	3762573	0.000119	0.000406	1.85E-05	6.63E-05	9.96E-06	3.07E-05
2985	438098.9	3762582	0.000122	0.000416	1.90E-05	6.79E-05	1.02E-05	3.15E-05
2986	438102.4	3762591	0.000125	0.000426	1.94E-05	6.96E-05	1.05E-05	3.23E-05
2987	438106	3762599	0.000128	0.000437	1.99E-05	7.14E-05	1.07E-05	3.31E-05
2988	438109.6	3762608	0.000131	0.000447	2.04E-05	7.31E-05	1.10E-05	3.39E-05
2989	438113.2	3762617	0.000134	0.000458	2.09E-05	7.48E-05	1.12E-05	3.47E-05
2990	438116.8	3762625	0.000137	0.000469	2.14E-05	7.66E-05	1.15E-05	3.55E-05
2991	438120.3	3762634	0.000141	0.000479	2.18E-05	7.83E-05	1.18E-05	3.63E-05
2992	438123.9	3762643	0.000144	0.00049	2.23E-05	8.01E-05	1.20E-05	3.71E-05
2993	438127.5	3762651	0.000147	0.000501	2.28E-05	8.18E-05	1.23E-05	3.79E-05
2994	438131.1	3762660	0.00015	0.000511	2.33E-05	8.35E-05	1.25E-05	3.87E-05
2995	438134.7	3762669	0.000153	0.000521	2.38E-05	8.52E-05	1.28E-05	3.95E-05
2996	438138.2	3762677	0.000156	0.000531	2.42E-05	8.68E-05	1.30E-05	4.03E-05
2997	438141.8	3762686	0.000159	0.000541	2.47E-05	8.84E-05	1.33E-05	4.10E-05
2998	438145.4	3762695	0.000161	0.00055	2.51E-05	8.99E-05	1.35E-05	4.17E-05
2999	438149	3762703	0.000164	0.000559	2.55E-05	9.14E-05	1.37E-05	4.24E-05
3000	438152.6	3762712	0.000167	0.000568	2.59E-05	9.28E-05	1.39E-05	4.31E-05
3001	437546.7	3762120	3.2E-05	0.000109	4.97E-06	1.78E-05	2.68E-06	8.26E-06
3002	437537.3	3762120	3.17E-05	0.000108	4.92E-06	1.76E-05	2.65E-06	8.19E-06
3003	437527.9	3762120	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.11E-06
3004	437518.5	3762120	3.11E-05	0.000106	4.84E-06	1.73E-05	2.60E-06	8.04E-06
3005	437509.1	3762120	3.09E-05	0.000105	4.80E-06	1.72E-05	2.58E-06	7.98E-06
3006	437499.7	3762120	3.06E-05	0.000104	4.76E-06	1.71E-05	2.56E-06	7.91E-06
3007	437490.4	3762120	3.04E-05	0.000104	4.72E-06	1.69E-05	2.54E-06	7.84E-06
3008	437481	3762120	3.01E-05	0.000103	4.68E-06	1.68E-05	2.52E-06	7.78E-06
3009	437471.6	3762120	2.98E-05	0.000102	4.64E-06	1.66E-05	2.50E-06	7.71E-06
3010	437462.2	3762120	2.96E-05	0.000101	4.60E-06	1.65E-05	2.48E-06	7.65E-06
3011	437452.8	3762120	2.94E-05	0.0001	4.56E-06	1.64E-05	2.46E-06	7.59E-06
3012	437443.4	3762120	2.91E-05	9.93E-05	4.53E-06	1.62E-05	2.44E-06	7.53E-06

3013	437983.4	3762257	4.98E-05	0.00017	7.74E-06	2.78E-05	4.17E-06	1.29E-05
3014	437991.9	3762260	4.99E-05	0.00017	7.76E-06	2.78E-05	4.18E-06	1.29E-05
3015	438000.5	3762264	5E-05	0.000171	7.77E-06	2.79E-05	4.19E-06	1.29E-05
3016	438012.5	3762276	5.11E-05	0.000174	7.94E-06	2.85E-05	4.28E-06	1.32E-05
3017	438016.1	3762285	5.21E-05	0.000178	8.10E-06	2.90E-05	4.36E-06	1.35E-05
3018	438019.6	3762293	5.32E-05	0.000181	8.27E-06	2.96E-05	4.45E-06	1.37E-05
3019	438023.1	3762302	5.43E-05	0.000185	8.43E-06	3.02E-05	4.54E-06	1.40E-05
3020	438026.7	3762310	5.54E-05	0.000189	8.60E-06	3.08E-05	4.63E-06	1.43E-05
3021	438030.2	3762319	5.65E-05	0.000193	8.78E-06	3.15E-05	4.73E-06	1.46E-05
3022	438033.7	3762327	5.76E-05	0.000197	8.96E-06	3.21E-05	4.82E-06	1.49E-05
3023	438037.3	3762336	5.88E-05	0.000201	9.14E-06	3.28E-05	4.92E-06	1.52E-05
3024	438040.8	3762344	6E-05	0.000205	9.32E-06	3.34E-05	5.02E-06	1.55E-05
3025	438054.9	3762379	6.51E-05	0.000222	1.01E-05	3.63E-05	5.45E-06	1.68E-05
3026	438058.4	3762387	6.65E-05	0.000227	1.03E-05	3.70E-05	5.56E-06	1.72E-05
3027	438062	3762396	6.79E-05	0.000231	1.05E-05	3.78E-05	5.68E-06	1.75E-05
3028	438065.5	3762404	6.93E-05	0.000236	1.08E-05	3.86E-05	5.80E-06	1.79E-05
3029	438069	3762413	7.08E-05	0.000241	1.10E-05	3.94E-05	5.93E-06	1.83E-05
3030	438072.6	3762421	7.24E-05	0.000247	1.12E-05	4.03E-05	6.06E-06	1.87E-05
3031	438076.1	3762430	7.4E-05	0.000252	1.15E-05	4.12E-05	6.19E-06	1.91E-05
3032	438079.6	3762438	7.56E-05	0.000258	1.17E-05	4.21E-05	6.33E-06	1.95E-05
3033	438083.2	3762447	7.73E-05	0.000264	1.20E-05	4.31E-05	6.47E-06	2.00E-05
3034	438086.7	3762456	7.91E-05	0.00027	1.23E-05	4.41E-05	6.62E-06	2.04E-05
3035	438090.2	3762464	8.09E-05	0.000276	1.26E-05	4.51E-05	6.77E-06	2.09E-05
3036	438093.7	3762473	8.28E-05	0.000282	1.29E-05	4.61E-05	6.93E-06	2.14E-05
3037	438097.3	3762481	8.48E-05	0.000289	1.32E-05	4.72E-05	7.10E-06	2.19E-05
3038	438100.8	3762490	8.68E-05	0.000296	1.35E-05	4.83E-05	7.26E-06	2.24E-05
3039	438104.3	3762498	8.88E-05	0.000303	1.38E-05	4.95E-05	7.44E-06	2.30E-05
3040	438107.9	3762507	9.1E-05	0.00031	1.41E-05	5.07E-05	7.62E-06	2.35E-05
3041	438111.4	3762515	9.31E-05	0.000318	1.45E-05	5.19E-05	7.80E-06	2.41E-05
3042	438114.9	3762524	9.54E-05	0.000325	1.48E-05	5.31E-05	7.98E-06	2.46E-05
3043	438118.5	3762533	9.76E-05	0.000333	1.52E-05	5.44E-05	8.17E-06	2.52E-05
3044	438122	3762541	1E-04	0.000341	1.55E-05	5.57E-05	8.37E-06	2.58E-05
3045	438125.5	3762550	0.000102	0.000349	1.59E-05	5.70E-05	8.57E-06	2.65E-05
3046	438129.1	3762558	0.000105	0.000357	1.63E-05	5.84E-05	8.77E-06	2.71E-05
3047	438132.6	3762567	0.000107	0.000366	1.67E-05	5.98E-05	8.98E-06	2.77E-05
3048	438136.1	3762575	0.00011	0.000375	1.71E-05	6.12E-05	9.19E-06	2.84E-05
3049	438139.6	3762584	0.000112	0.000383	1.75E-05	6.26E-05	9.41E-06	2.90E-05
3050	438143.2	3762592	0.000115	0.000392	1.79E-05	6.40E-05	9.62E-06	2.97E-05
3051	438146.7	3762601	0.000118	0.000401	1.83E-05	6.55E-05	9.84E-06	3.04E-05
3052	438150.2	3762610	0.00012	0.00041	1.87E-05	6.69E-05	1.01E-05	3.10E-05
3053	438153.8	3762618	0.000123	0.000419	1.91E-05	6.84E-05	1.03E-05	3.17E-05
3054	438157.3	3762627	0.000125	0.000427	1.95E-05	6.98E-05	1.05E-05	3.24E-05
3055	438160.8	3762635	0.000128	0.000436	1.99E-05	7.13E-05	1.07E-05	3.31E-05
3056	438164.4	3762644	0.000131	0.000445	2.03E-05	7.27E-05	1.09E-05	3.37E-05
3057	438167.9	3762652	0.000133	0.000454	2.07E-05	7.41E-05	1.11E-05	3.44E-05
3058	438171.4	3762661	0.000136	0.000462	2.11E-05	7.55E-05	1.13E-05	3.50E-05
3059	438175	3762669	0.000138	0.00047	2.14E-05	7.69E-05	1.15E-05	3.57E-05
3060	438178.5	3762678	0.00014	0.000479	2.18E-05	7.82E-05	1.17E-05	3.63E-05
3061	438182	3762686	0.000143	0.000487	2.22E-05	7.95E-05	1.19E-05	3.69E-05
3062	438185.6	3762695	0.000145	0.000494	2.25E-05	8.07E-05	1.21E-05	3.75E-05
3063	438189.1	3762704	0.000147	0.000502	2.29E-05	8.19E-05	1.23E-05	3.80E-05
3064	438192.6	3762712	0.000149	0.000509	2.32E-05	8.31E-05	1.25E-05	3.85E-05

3065	437985.7	3762218	4.47E-05	0.000152	6.94E-06	2.49E-05	3.74E-06	1.15E-05
3066	437994.3	3762221	4.48E-05	0.000153	6.96E-06	2.50E-05	3.75E-06	1.16E-05
3067	438002.9	3762225	4.49E-05	0.000153	6.98E-06	2.50E-05	3.76E-06	1.16E-05
3068	438011.5	3762229	0.000045	0.000153	6.99E-06	2.51E-05	3.77E-06	1.16E-05
3069	438020.1	3762232	4.51E-05	0.000154	7.01E-06	2.51E-05	3.77E-06	1.16E-05
3070	438028.7	3762236	4.51E-05	0.000154	7.02E-06	2.52E-05	3.78E-06	1.17E-05
3071	438040.9	3762248	4.61E-05	0.000157	7.16E-06	2.57E-05	3.86E-06	1.19E-05
3072	438044.4	3762256	4.7E-05	0.00016	7.30E-06	2.62E-05	3.93E-06	1.21E-05
3073	438048	3762265	4.78E-05	0.000163	7.43E-06	2.67E-05	4.00E-06	1.24E-05
3074	438051.5	3762274	4.88E-05	0.000166	7.58E-06	2.72E-05	4.08E-06	1.26E-05
3075	438055.1	3762282	4.97E-05	0.000169	7.72E-06	2.77E-05	4.16E-06	1.28E-05
3076	438058.6	3762291	5.06E-05	0.000173	7.87E-06	2.82E-05	4.24E-06	1.31E-05
3077	438062.2	3762299	5.16E-05	0.000176	8.01E-06	2.87E-05	4.32E-06	1.33E-05
3078	438065.7	3762308	5.26E-05	0.000179	8.17E-06	2.93E-05	4.40E-06	1.36E-05
3079	438069.3	3762317	5.36E-05	0.000183	8.32E-06	2.98E-05	4.48E-06	1.38E-05
3080	438072.8	3762325	5.46E-05	0.000186	8.48E-06	3.04E-05	4.57E-06	1.41E-05
3081	438076.4	3762334	5.56E-05	0.00019	8.64E-06	3.10E-05	4.66E-06	1.44E-05
3082	438079.9	3762342	5.67E-05	0.000193	8.81E-06	3.16E-05	4.74E-06	1.46E-05
3083	438083.5	3762351	5.78E-05	0.000197	8.98E-06	3.22E-05	4.84E-06	1.49E-05
3084	438087	3762360	5.89E-05	0.000201	9.15E-06	3.28E-05	4.93E-06	1.52E-05
3085	438090.6	3762368	6.01E-05	0.000205	9.33E-06	3.35E-05	5.03E-06	1.55E-05
3086	438094.1	3762377	6.12E-05	0.000209	9.52E-06	3.41E-05	5.13E-06	1.58E-05
3087	438097.7	3762385	6.25E-05	0.000213	9.71E-06	3.48E-05	5.23E-06	1.61E-05
3088	438101.2	3762394	6.37E-05	0.000217	9.90E-06	3.55E-05	5.33E-06	1.65E-05
3089	438104.8	3762403	6.5E-05	0.000222	1.01E-05	3.62E-05	5.44E-06	1.68E-05
3090	438108.3	3762411	6.64E-05	0.000226	1.03E-05	3.70E-05	5.56E-06	1.72E-05
3091	438111.9	3762420	6.78E-05	0.000231	1.05E-05	3.77E-05	5.67E-06	1.75E-05
3092	438115.4	3762428	6.92E-05	0.000236	1.08E-05	3.85E-05	5.79E-06	1.79E-05
3093	438119	3762437	7.07E-05	0.000241	1.10E-05	3.94E-05	5.92E-06	1.83E-05
3094	438122.5	3762446	7.22E-05	0.000246	1.12E-05	4.02E-05	6.04E-06	1.87E-05
3095	438126.1	3762454	7.38E-05	0.000252	1.15E-05	4.11E-05	6.18E-06	1.91E-05
3096	438129.6	3762463	7.54E-05	0.000257	1.17E-05	4.20E-05	6.31E-06	1.95E-05
3097	438133.2	3762471	7.71E-05	0.000263	1.20E-05	4.30E-05	6.46E-06	1.99E-05
3098	438136.7	3762480	7.89E-05	0.000269	1.23E-05	4.39E-05	6.60E-06	2.04E-05
3099	438140.3	3762489	8.06E-05	0.000275	1.25E-05	4.49E-05	6.75E-06	2.08E-05
3100	438143.8	3762497	8.25E-05	0.000281	1.28E-05	4.59E-05	6.90E-06	2.13E-05
3101	438147.4	3762506	8.44E-05	0.000288	1.31E-05	4.70E-05	7.06E-06	2.18E-05
3102	438150.9	3762514	8.63E-05	0.000294	1.34E-05	4.81E-05	7.22E-06	2.23E-05
3103	438154.5	3762523	8.83E-05	0.000301	1.37E-05	4.92E-05	7.39E-06	2.28E-05
3104	438158	3762532	9.03E-05	0.000308	1.40E-05	5.03E-05	7.56E-06	2.33E-05
3105	438161.6	3762540	9.23E-05	0.000315	1.43E-05	5.14E-05	7.73E-06	2.39E-05
3106	438165.1	3762549	9.44E-05	0.000322	1.47E-05	5.26E-05	7.90E-06	2.44E-05
3107	438168.7	3762557	9.66E-05	0.000329	1.50E-05	5.38E-05	8.08E-06	2.50E-05
3108	438172.2	3762566	9.87E-05	0.000337	1.53E-05	5.50E-05	8.26E-06	2.55E-05
3109	438175.8	3762575	0.000101	0.000344	1.57E-05	5.62E-05	8.45E-06	2.61E-05
3110	438179.3	3762583	0.000103	0.000352	1.60E-05	5.74E-05	8.63E-06	2.66E-05
3111	438193.5	3762618	0.000112	0.000382	1.74E-05	6.24E-05	9.37E-06	2.89E-05
3112	438197.1	3762626	0.000114	0.000389	1.77E-05	6.36E-05	9.56E-06	2.95E-05
3113	438200.6	3762635	0.000116	0.000397	1.81E-05	6.48E-05	9.74E-06	3.01E-05
3114	438204.2	3762643	0.000119	0.000404	1.84E-05	6.60E-05	9.92E-06	3.06E-05
3115	438207.7	3762652	0.000121	0.000412	1.88E-05	6.72E-05	1.01E-05	3.12E-05
3116	438211.3	3762661	0.000123	0.000419	1.91E-05	6.84E-05	1.03E-05	3.17E-05

3117	438214.8	3762669	0.000125	0.000426	1.94E-05	6.95E-05	1.04E-05	3.23E-05
3118	438218.4	3762678	0.000127	0.000433	1.97E-05	7.07E-05	1.06E-05	3.28E-05
3119	438221.9	3762686	0.000129	0.000439	2.00E-05	7.17E-05	1.08E-05	3.33E-05
3120	438225.5	3762695	0.000131	0.000446	2.03E-05	7.28E-05	1.09E-05	3.38E-05
3121	438229	3762704	0.000133	0.000452	2.06E-05	7.38E-05	1.11E-05	3.42E-05
3122	438232.6	3762712	0.000134	0.000457	2.08E-05	7.46E-05	1.12E-05	3.46E-05
3123	437987.9	3762179	4.02E-05	0.000137	6.25E-06	2.24E-05	3.37E-06	1.04E-05
3124	437996.5	3762182	4.03E-05	0.000138	6.27E-06	2.25E-05	3.38E-06	1.04E-05
3125	438005.2	3762186	4.05E-05	0.000138	6.29E-06	2.25E-05	3.39E-06	1.05E-05
3126	438013.8	3762189	4.06E-05	0.000138	6.31E-06	2.26E-05	3.40E-06	1.05E-05
3127	438022.4	3762193	4.07E-05	0.000139	6.32E-06	2.27E-05	3.41E-06	1.05E-05
3128	438031.1	3762197	4.08E-05	0.000139	6.34E-06	2.27E-05	3.41E-06	1.05E-05
3129	438039.7	3762200	4.09E-05	0.000139	6.35E-06	2.28E-05	3.42E-06	1.06E-05
3130	438048.3	3762204	4.1E-05	0.00014	6.36E-06	2.28E-05	3.43E-06	1.06E-05
3131	438057	3762207	4.1E-05	0.00014	6.37E-06	2.28E-05	3.43E-06	1.06E-05
3132	438069.2	3762220	4.18E-05	0.000143	6.50E-06	2.33E-05	3.50E-06	1.08E-05
3133	438072.7	3762228	4.26E-05	0.000145	6.61E-06	2.37E-05	3.56E-06	1.10E-05
3134	438076.3	3762237	4.33E-05	0.000148	6.73E-06	2.41E-05	3.63E-06	1.12E-05
3135	438079.9	3762246	4.41E-05	0.00015	6.85E-06	2.46E-05	3.69E-06	1.14E-05
3136	438083.5	3762254	4.49E-05	0.000153	6.98E-06	2.50E-05	3.76E-06	1.16E-05
3137	438087	3762263	4.57E-05	0.000156	7.10E-06	2.55E-05	3.82E-06	1.18E-05
3138	438090.6	3762271	4.65E-05	0.000159	7.23E-06	2.59E-05	3.89E-06	1.20E-05
3139	438094.2	3762280	4.73E-05	0.000161	7.35E-06	2.64E-05	3.96E-06	1.22E-05
3140	438097.7	3762289	4.82E-05	0.000164	7.48E-06	2.68E-05	4.03E-06	1.24E-05
3141	438101.3	3762297	4.9E-05	0.000167	7.62E-06	2.73E-05	4.10E-06	1.27E-05
3142	438104.9	3762306	4.99E-05	0.00017	7.75E-06	2.78E-05	4.18E-06	1.29E-05
3143	438108.4	3762315	5.08E-05	0.000173	7.89E-06	2.83E-05	4.25E-06	1.31E-05
3144	438112	3762323	5.17E-05	0.000176	8.03E-06	2.88E-05	4.33E-06	1.34E-05
3145	438115.6	3762332	5.26E-05	0.000179	8.18E-06	2.93E-05	4.40E-06	1.36E-05
3146	438119.1	3762341	5.36E-05	0.000183	8.33E-06	2.99E-05	4.49E-06	1.38E-05
3147	438122.7	3762349	5.46E-05	0.000186	8.48E-06	3.04E-05	4.57E-06	1.41E-05
3148	438126.3	3762358	5.56E-05	0.00019	8.64E-06	3.10E-05	4.65E-06	1.44E-05
3149	438129.8	3762366	5.66E-05	0.000193	8.80E-06	3.16E-05	4.74E-06	1.46E-05
3150	438133.4	3762375	5.77E-05	0.000197	8.97E-06	3.21E-05	4.83E-06	1.49E-05
3151	438137	3762384	5.88E-05	0.000201	9.14E-06	3.28E-05	4.92E-06	1.52E-05
3152	438140.5	3762392	6E-05	0.000204	9.32E-06	3.34E-05	5.02E-06	1.55E-05
3153	438144.1	3762401	6.11E-05	0.000208	9.50E-06	3.41E-05	5.12E-06	1.58E-05
3154	438147.7	3762410	6.23E-05	0.000213	9.69E-06	3.47E-05	5.22E-06	1.61E-05
3155	438151.3	3762418	6.36E-05	0.000217	9.88E-06	3.54E-05	5.32E-06	1.64E-05
3156	438154.8	3762427	6.49E-05	0.000221	1.01E-05	3.61E-05	5.43E-06	1.68E-05
3157	438158.4	3762436	6.62E-05	0.000226	1.03E-05	3.69E-05	5.54E-06	1.71E-05
3158	438162	3762444	6.76E-05	0.000231	1.05E-05	3.77E-05	5.66E-06	1.75E-05
3159	438165.5	3762453	6.9E-05	0.000235	1.07E-05	3.85E-05	5.78E-06	1.78E-05
3160	438169.1	3762462	7.05E-05	0.00024	1.10E-05	3.93E-05	5.90E-06	1.82E-05
3161	438172.7	3762470	7.2E-05	0.000246	1.12E-05	4.01E-05	6.03E-06	1.86E-05
3162	438176.2	3762479	7.36E-05	0.000251	1.14E-05	4.10E-05	6.16E-06	1.90E-05
3163	438179.8	3762487	7.52E-05	0.000256	1.17E-05	4.19E-05	6.29E-06	1.94E-05
3164	438183.4	3762496	7.68E-05	0.000262	1.19E-05	4.28E-05	6.43E-06	1.98E-05
3165	438197.6	3762531	8.37E-05	0.000286	1.30E-05	4.66E-05	7.01E-06	2.16E-05
3166	438201.2	3762539	8.55E-05	0.000292	1.33E-05	4.77E-05	7.16E-06	2.21E-05
3167	438204.8	3762548	8.74E-05	0.000298	1.36E-05	4.87E-05	7.31E-06	2.26E-05
3168	438208.3	3762557	8.92E-05	0.000304	1.39E-05	4.97E-05	7.47E-06	2.31E-05

3169	438211.9	3762565	9.11E-05	0.000311	1.42E-05	5.08E-05	7.63E-06	2.35E-05
3170	438215.5	3762574	9.3E-05	0.000317	1.44E-05	5.18E-05	7.78E-06	2.40E-05
3171	438219.1	3762583	9.49E-05	0.000324	1.47E-05	5.29E-05	7.94E-06	2.45E-05
3172	438233.3	3762617	0.000103	0.00035	1.59E-05	5.71E-05	8.58E-06	2.65E-05
3173	438236.9	3762626	0.000104	0.000356	1.62E-05	5.82E-05	8.74E-06	2.70E-05
3174	438240.5	3762634	0.000106	0.000362	1.65E-05	5.92E-05	8.90E-06	2.75E-05
3175	438244	3762643	0.000108	0.000369	1.68E-05	6.02E-05	9.05E-06	2.79E-05
3176	438247.6	3762652	0.00011	0.000375	1.71E-05	6.13E-05	9.20E-06	2.84E-05
3177	438251.2	3762660	0.000112	0.000381	1.74E-05	6.23E-05	9.35E-06	2.89E-05
3178	438254.7	3762669	0.000114	0.000387	1.76E-05	6.32E-05	9.50E-06	2.93E-05
3179	438258.3	3762678	0.000115	0.000393	1.79E-05	6.42E-05	9.64E-06	2.98E-05
3180	438261.9	3762686	0.000117	0.000399	1.82E-05	6.51E-05	9.78E-06	3.02E-05
3181	438265.4	3762695	0.000119	0.000404	1.84E-05	6.60E-05	9.92E-06	3.06E-05
3182	438269	3762703	0.00012	0.00041	1.87E-05	6.69E-05	1.01E-05	3.10E-05
3183	438272.6	3762712	0.000122	0.000415	1.89E-05	6.78E-05	1.02E-05	3.15E-05
3184	437599.5	3761978	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.86E-06
3185	437608.1	3761981	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
3186	437616.8	3761985	2.34E-05	7.99E-05	3.64E-06	1.30E-05	1.96E-06	6.05E-06
3187	437625.5	3761988	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
3188	437634.2	3761992	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.03E-06	6.25E-06
3189	437642.8	3761996	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
3190	437651.5	3761999	2.5E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
3191	437989.8	3762140	3.64E-05	0.000124	5.66E-06	2.03E-05	3.05E-06	9.41E-06
3192	437998.5	3762143	3.66E-05	0.000125	5.68E-06	2.04E-05	3.06E-06	9.45E-06
3193	438007.2	3762147	3.67E-05	0.000125	5.70E-06	2.04E-05	3.07E-06	9.48E-06
3194	438015.8	3762150	3.68E-05	0.000126	5.72E-06	2.05E-05	3.08E-06	9.51E-06
3195	438024.5	3762154	3.69E-05	0.000126	5.74E-06	2.06E-05	3.09E-06	9.54E-06
3196	438033.2	3762158	3.7E-05	0.000126	5.75E-06	2.06E-05	3.10E-06	9.57E-06
3197	438041.9	3762161	3.71E-05	0.000127	5.77E-06	2.07E-05	3.11E-06	9.59E-06
3198	438050.5	3762165	3.72E-05	0.000127	5.78E-06	2.07E-05	3.11E-06	9.61E-06
3199	438059.2	3762168	3.73E-05	0.000127	5.79E-06	2.08E-05	3.12E-06	9.63E-06
3200	438067.9	3762172	3.74E-05	0.000127	5.81E-06	2.08E-05	3.13E-06	9.65E-06
3201	438076.6	3762175	3.74E-05	0.000128	5.82E-06	2.09E-05	3.13E-06	9.67E-06
3202	438085.2	3762179	3.75E-05	0.000128	5.83E-06	2.09E-05	3.14E-06	9.69E-06
3203	438097.5	3762191	3.82E-05	0.00013	5.93E-06	2.13E-05	3.20E-06	9.87E-06
3204	438101.1	3762200	3.88E-05	0.000132	6.03E-06	2.16E-05	3.25E-06	1.00E-05
3205	438104.7	3762209	3.95E-05	0.000135	6.14E-06	2.20E-05	3.31E-06	1.02E-05
3206	438108.3	3762217	4.02E-05	0.000137	6.24E-06	2.24E-05	3.36E-06	1.04E-05
3207	438111.8	3762226	4.08E-05	0.000139	6.35E-06	2.27E-05	3.42E-06	1.06E-05
3208	438115.4	3762235	4.15E-05	0.000142	6.45E-06	2.31E-05	3.48E-06	1.07E-05
3209	438119	3762243	4.22E-05	0.000144	6.56E-06	2.35E-05	3.53E-06	1.09E-05
3210	438122.6	3762252	4.29E-05	0.000146	6.67E-06	2.39E-05	3.59E-06	1.11E-05
3211	438126.2	3762261	4.36E-05	0.000149	6.78E-06	2.43E-05	3.65E-06	1.13E-05
3212	438129.8	3762269	4.43E-05	0.000151	6.89E-06	2.47E-05	3.71E-06	1.15E-05
3213	438133.3	3762278	4.51E-05	0.000154	7.00E-06	2.51E-05	3.77E-06	1.16E-05
3214	438136.9	3762287	4.58E-05	0.000156	7.12E-06	2.55E-05	3.84E-06	1.18E-05
3215	438140.5	3762296	4.66E-05	0.000159	7.24E-06	2.60E-05	3.90E-06	1.20E-05
3216	438144.1	3762304	4.74E-05	0.000162	7.36E-06	2.64E-05	3.97E-06	1.22E-05
3217	438147.7	3762313	4.82E-05	0.000164	7.49E-06	2.68E-05	4.03E-06	1.25E-05
3218	438151.3	3762322	4.9E-05	0.000167	7.62E-06	2.73E-05	4.10E-06	1.27E-05
3219	438154.8	3762330	4.99E-05	0.00017	7.75E-06	2.78E-05	4.17E-06	1.29E-05
3220	438158.4	3762339	5.07E-05	0.000173	7.88E-06	2.83E-05	4.25E-06	1.31E-05

3221	438162	3762348	5.16E-05	0.000176	8.02E-06	2.88E-05	4.32E-06	1.33E-05
3222	438165.6	3762356	5.25E-05	0.000179	8.16E-06	2.93E-05	4.40E-06	1.36E-05
3223	438169.2	3762365	5.35E-05	0.000182	8.31E-06	2.98E-05	4.48E-06	1.38E-05
3224	438172.8	3762374	5.45E-05	0.000186	8.46E-06	3.03E-05	4.56E-06	1.41E-05
3225	438176.4	3762382	5.55E-05	0.000189	8.62E-06	3.09E-05	4.64E-06	1.43E-05
3226	438179.9	3762391	5.65E-05	0.000193	8.78E-06	3.15E-05	4.73E-06	1.46E-05
3227	438183.5	3762400	5.76E-05	0.000196	8.95E-06	3.21E-05	4.82E-06	1.49E-05
3228	438187.1	3762408	5.87E-05	0.0002	9.12E-06	3.27E-05	4.91E-06	1.52E-05
3229	438190.7	3762417	5.98E-05	0.000204	9.30E-06	3.33E-05	5.01E-06	1.55E-05
3230	438194.3	3762426	6.1E-05	0.000208	9.48E-06	3.40E-05	5.11E-06	1.58E-05
3231	438197.9	3762434	6.22E-05	0.000212	9.67E-06	3.47E-05	5.21E-06	1.61E-05
3232	438201.4	3762443	6.35E-05	0.000216	9.86E-06	3.54E-05	5.31E-06	1.64E-05
3233	438205	3762452	6.48E-05	0.000221	1.01E-05	3.61E-05	5.42E-06	1.67E-05
3234	438208.6	3762460	6.61E-05	0.000225	1.03E-05	3.68E-05	5.53E-06	1.71E-05
3235	438212.2	3762469	6.74E-05	0.00023	1.05E-05	3.76E-05	5.65E-06	1.74E-05
3236	438215.8	3762478	6.88E-05	0.000235	1.07E-05	3.83E-05	5.76E-06	1.78E-05
3237	438219.4	3762486	7.03E-05	0.00024	1.09E-05	3.91E-05	5.88E-06	1.82E-05
3238	438223	3762495	7.17E-05	0.000245	1.11E-05	4.00E-05	6.00E-06	1.85E-05
3239	438237.3	3762530	7.78E-05	0.000265	1.21E-05	4.34E-05	6.52E-06	2.01E-05
3240	438240.9	3762539	7.94E-05	0.000271	1.23E-05	4.43E-05	6.65E-06	2.05E-05
3241	438244.5	3762547	8.1E-05	0.000276	1.26E-05	4.51E-05	6.78E-06	2.09E-05
3242	438248	3762556	8.27E-05	0.000282	1.28E-05	4.61E-05	6.92E-06	2.14E-05
3243	438251.6	3762565	8.43E-05	0.000288	1.31E-05	4.70E-05	7.06E-06	2.18E-05
3244	438255.2	3762573	8.6E-05	0.000293	1.34E-05	4.79E-05	7.19E-06	2.22E-05
3245	438258.8	3762582	8.76E-05	0.000299	1.36E-05	4.88E-05	7.33E-06	2.26E-05
3246	438294.6	3762669	0.000104	0.000354	1.61E-05	5.78E-05	8.68E-06	2.68E-05
3247	438298.2	3762677	0.000105	0.000359	1.63E-05	5.86E-05	8.80E-06	2.72E-05
3248	438301.8	3762686	0.000107	0.000364	1.66E-05	5.94E-05	8.92E-06	2.75E-05
3249	438305.4	3762695	0.000108	0.000368	1.68E-05	6.02E-05	9.04E-06	2.79E-05
3250	438309	3762703	0.000109	0.000373	1.70E-05	6.10E-05	9.16E-06	2.83E-05
3251	438312.6	3762712	0.000111	0.000378	1.72E-05	6.17E-05	9.27E-06	2.86E-05
3252	437599	3761938	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
3253	437607.5	3761941	2.1E-05	7.15E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
3254	437616.1	3761945	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
3255	437624.7	3761948	2.16E-05	7.37E-05	3.36E-06	1.20E-05	1.81E-06	5.59E-06
3256	437633.3	3761952	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
3257	437641.9	3761955	2.23E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.76E-06
3258	437650.4	3761959	2.26E-05	7.71E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
3259	437659	3761962	2.29E-05	7.82E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
3260	437667.6	3761966	2.33E-05	7.94E-05	3.62E-06	1.30E-05	1.95E-06	6.02E-06
3261	437676.2	3761970	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
3262	437684.7	3761973	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
3263	437693.3	3761977	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.04E-06	6.28E-06
3264	437701.9	3761980	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
3265	437710.5	3761984	2.5E-05	8.52E-05	3.88E-06	1.39E-05	2.09E-06	6.46E-06
3266	437719.1	3761987	2.53E-05	8.63E-05	3.93E-06	1.41E-05	2.12E-06	6.54E-06
3267	437727.6	3761991	2.56E-05	8.74E-05	3.98E-06	1.43E-05	2.15E-06	6.62E-06
3268	437736.2	3761994	2.6E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.71E-06
3269	437744.8	3761998	2.63E-05	8.96E-05	4.08E-06	1.46E-05	2.20E-06	6.79E-06
3270	437993.5	3762101	3.32E-05	0.000113	5.15E-06	1.85E-05	2.78E-06	8.57E-06
3271	438002.1	3762105	3.33E-05	0.000114	5.18E-06	1.86E-05	2.79E-06	8.61E-06
3272	438010.7	3762108	3.34E-05	0.000114	5.20E-06	1.86E-05	2.80E-06	8.64E-06

3273	438019.3	3762112	3.36E-05	0.000114	5.22E-06	1.87E-05	2.81E-06	8.67E-06
3274	438027.9	3762115	3.37E-05	0.000115	5.23E-06	1.88E-05	2.82E-06	8.71E-06
3275	438036.4	3762119	3.38E-05	0.000115	5.25E-06	1.88E-05	2.83E-06	8.73E-06
3276	438045	3762122	3.39E-05	0.000116	5.27E-06	1.89E-05	2.84E-06	8.76E-06
3277	438053.6	3762126	3.4E-05	0.000116	5.28E-06	1.89E-05	2.84E-06	8.78E-06
3278	438062.2	3762130	3.41E-05	0.000116	5.29E-06	1.90E-05	2.85E-06	8.80E-06
3279	438070.7	3762133	3.41E-05	0.000116	5.31E-06	1.90E-05	2.86E-06	8.82E-06
3280	438079.3	3762137	3.42E-05	0.000117	5.32E-06	1.91E-05	2.86E-06	8.84E-06
3281	438087.9	3762140	3.43E-05	0.000117	5.33E-06	1.91E-05	2.87E-06	8.86E-06
3282	438096.5	3762144	3.44E-05	0.000117	5.34E-06	1.91E-05	2.88E-06	8.88E-06
3283	438105.1	3762147	3.44E-05	0.000117	5.35E-06	1.92E-05	2.88E-06	8.89E-06
3284	438113.6	3762151	3.45E-05	0.000118	5.36E-06	1.92E-05	2.89E-06	8.91E-06
3285	438125.8	3762163	3.51E-05	0.00012	5.45E-06	1.95E-05	2.93E-06	9.06E-06
3286	438129.3	3762172	3.56E-05	0.000121	5.53E-06	1.98E-05	2.98E-06	9.20E-06
3287	438132.9	3762180	3.62E-05	0.000123	5.62E-06	2.01E-05	3.03E-06	9.34E-06
3288	438136.4	3762189	3.67E-05	0.000125	5.71E-06	2.05E-05	3.07E-06	9.49E-06
3289	438139.9	3762197	3.73E-05	0.000127	5.80E-06	2.08E-05	3.12E-06	9.64E-06
3290	438143.5	3762206	3.79E-05	0.000129	5.89E-06	2.11E-05	3.17E-06	9.79E-06
3291	438147	3762215	3.85E-05	0.000131	5.98E-06	2.14E-05	3.22E-06	9.94E-06
3292	438150.6	3762223	3.91E-05	0.000133	6.07E-06	2.18E-05	3.27E-06	1.01E-05
3293	438154.1	3762232	3.97E-05	0.000135	6.16E-06	2.21E-05	3.32E-06	1.03E-05
3294	438157.7	3762240	4.03E-05	0.000137	6.26E-06	2.24E-05	3.37E-06	1.04E-05
3295	438161.2	3762249	4.09E-05	0.000139	6.36E-06	2.28E-05	3.42E-06	1.06E-05
3296	438164.7	3762257	4.15E-05	0.000142	6.45E-06	2.31E-05	3.48E-06	1.07E-05
3297	438168.3	3762266	4.22E-05	0.000144	6.55E-06	2.35E-05	3.53E-06	1.09E-05
3298	438171.8	3762275	4.28E-05	0.000146	6.65E-06	2.39E-05	3.58E-06	1.11E-05
3299	438175.4	3762283	4.35E-05	0.000148	6.76E-06	2.42E-05	3.64E-06	1.12E-05
3300	438178.9	3762292	4.42E-05	0.000151	6.86E-06	2.46E-05	3.70E-06	1.14E-05
3301	438182.5	3762300	4.49E-05	0.000153	6.97E-06	2.50E-05	3.76E-06	1.16E-05
3302	438186	3762309	4.56E-05	0.000155	7.08E-06	2.54E-05	3.82E-06	1.18E-05
3303	438189.6	3762317	4.63E-05	0.000158	7.20E-06	2.58E-05	3.88E-06	1.20E-05
3304	438193.1	3762326	4.71E-05	0.000161	7.31E-06	2.62E-05	3.94E-06	1.22E-05
3305	438196.6	3762335	4.78E-05	0.000163	7.43E-06	2.67E-05	4.00E-06	1.24E-05
3306	438200.2	3762343	4.86E-05	0.000166	7.56E-06	2.71E-05	4.07E-06	1.26E-05
3307	438203.7	3762352	4.95E-05	0.000169	7.69E-06	2.76E-05	4.14E-06	1.28E-05
3308	438207.3	3762360	5.03E-05	0.000172	7.82E-06	2.80E-05	4.21E-06	1.30E-05
3309	438210.8	3762369	5.12E-05	0.000174	7.95E-06	2.85E-05	4.28E-06	1.32E-05
3310	438214.4	3762378	5.21E-05	0.000178	8.09E-06	2.90E-05	4.36E-06	1.35E-05
3311	438217.9	3762386	5.3E-05	0.000181	8.23E-06	2.95E-05	4.44E-06	1.37E-05
3312	438221.5	3762395	5.39E-05	0.000184	8.38E-06	3.00E-05	4.51E-06	1.39E-05
3313	438225	3762403	5.49E-05	0.000187	8.53E-06	3.06E-05	4.60E-06	1.42E-05
3314	438228.5	3762412	5.59E-05	0.000191	8.69E-06	3.12E-05	4.68E-06	1.45E-05
3315	438232.1	3762420	5.7E-05	0.000194	8.85E-06	3.17E-05	4.77E-06	1.47E-05
3316	438235.6	3762429	5.8E-05	0.000198	9.02E-06	3.23E-05	4.86E-06	1.50E-05
3317	438239.2	3762438	5.91E-05	0.000202	9.19E-06	3.29E-05	4.95E-06	1.53E-05
3318	438242.7	3762446	6.03E-05	0.000206	9.37E-06	3.36E-05	5.05E-06	1.56E-05
3319	438246.3	3762455	6.14E-05	0.00021	9.55E-06	3.42E-05	5.14E-06	1.59E-05
3320	438249.8	3762463	6.26E-05	0.000214	9.73E-06	3.49E-05	5.24E-06	1.62E-05
3321	438253.4	3762472	6.39E-05	0.000218	9.92E-06	3.56E-05	5.34E-06	1.65E-05
3322	438256.9	3762481	6.51E-05	0.000222	1.01E-05	3.63E-05	5.45E-06	1.68E-05
3323	438260.4	3762489	6.64E-05	0.000226	1.03E-05	3.70E-05	5.55E-06	1.71E-05
3324	438264	3762498	6.76E-05	0.000231	1.05E-05	3.77E-05	5.66E-06	1.75E-05

3325	438299.4	3762584	8.15E-05	0.000278	1.27E-05	4.54E-05	6.82E-06	2.11E-05
3326	438313.6	3762618	8.72E-05	0.000297	1.35E-05	4.86E-05	7.30E-06	2.25E-05
3327	438317.2	3762626	8.86E-05	0.000302	1.38E-05	4.94E-05	7.42E-06	2.29E-05
3328	438320.7	3762635	9E-05	0.000307	1.40E-05	5.01E-05	7.53E-06	2.33E-05
3329	438324.2	3762644	9.13E-05	0.000311	1.42E-05	5.09E-05	7.65E-06	2.36E-05
3330	438327.8	3762652	9.27E-05	0.000316	1.44E-05	5.16E-05	7.76E-06	2.40E-05
3331	438331.3	3762661	9.4E-05	0.000321	1.46E-05	5.24E-05	7.87E-06	2.43E-05
3332	438334.9	3762669	9.53E-05	0.000325	1.48E-05	5.31E-05	7.98E-06	2.46E-05
3333	438338.4	3762678	9.66E-05	0.000329	1.50E-05	5.38E-05	8.08E-06	2.49E-05
3334	438342	3762687	9.78E-05	0.000333	1.52E-05	5.45E-05	8.18E-06	2.53E-05
3335	438345.5	3762695	9.9E-05	0.000337	1.54E-05	5.51E-05	8.28E-06	2.56E-05
3336	438349.1	3762704	0.0001	0.000341	1.56E-05	5.58E-05	8.38E-06	2.59E-05
3337	437616.4	3761905	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
3338	437625	3761908	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
3339	437633.6	3761912	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
3340	437642.2	3761915	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
3341	437650.8	3761919	2.07E-05	7.06E-05	3.22E-06	1.15E-05	1.73E-06	5.35E-06
3342	437659.5	3761923	2.1E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
3343	437668.1	3761926	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
3344	437676.7	3761930	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
3345	437685.3	3761933	2.19E-05	7.46E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
3346	437693.9	3761937	2.22E-05	7.56E-05	3.45E-06	1.24E-05	1.86E-06	5.73E-06
3347	437702.5	3761940	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
3348	437711.1	3761944	2.28E-05	7.76E-05	3.54E-06	1.27E-05	1.91E-06	5.88E-06
3349	437719.8	3761948	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
3350	437728.4	3761951	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
3351	437737	3761955	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
3352	437745.6	3761958	2.39E-05	8.16E-05	3.72E-06	1.33E-05	2.00E-06	6.18E-06
3353	437754.2	3761962	2.42E-05	8.26E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
3354	437762.8	3761965	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
3355	437771.5	3761969	2.48E-05	8.46E-05	3.86E-06	1.38E-05	2.08E-06	6.41E-06
3356	437780.1	3761973	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
3357	437788.7	3761976	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
3358	437797.3	3761980	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
3359	437805.9	3761983	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
3360	437814.5	3761987	2.62E-05	8.92E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
3361	437823.1	3761990	2.64E-05	9.01E-05	4.11E-06	1.47E-05	2.21E-06	6.83E-06
3362	437831.8	3761994	2.67E-05	9.09E-05	4.14E-06	1.48E-05	2.23E-06	6.89E-06
3363	437840.4	3761998	2.69E-05	9.17E-05	4.18E-06	1.50E-05	2.25E-06	6.95E-06
3364	438090.2	3762101	3.15E-05	0.000107	4.89E-06	1.75E-05	2.64E-06	8.14E-06
3365	438098.8	3762105	3.16E-05	0.000108	4.90E-06	1.76E-05	2.64E-06	8.16E-06
3366	438107.4	3762108	3.16E-05	0.000108	4.91E-06	1.76E-05	2.65E-06	8.17E-06
3367	438116.1	3762112	3.17E-05	0.000108	4.92E-06	1.77E-05	2.65E-06	8.19E-06
3368	438124.7	3762115	3.17E-05	0.000108	4.93E-06	1.77E-05	2.66E-06	8.20E-06
3369	438133.3	3762119	3.18E-05	0.000108	4.94E-06	1.77E-05	2.66E-06	8.22E-06
3370	438141.9	3762123	3.19E-05	0.000109	4.95E-06	1.77E-05	2.67E-06	8.23E-06
3371	438154.1	3762135	3.24E-05	0.00011	5.03E-06	1.80E-05	2.71E-06	8.36E-06
3372	438157.6	3762143	3.28E-05	0.000112	5.10E-06	1.83E-05	2.75E-06	8.49E-06
3373	438161.2	3762152	3.33E-05	0.000114	5.18E-06	1.86E-05	2.79E-06	8.61E-06
3374	438164.8	3762161	3.38E-05	0.000115	5.25E-06	1.88E-05	2.83E-06	8.74E-06
3375	438168.3	3762169	3.43E-05	0.000117	5.33E-06	1.91E-05	2.87E-06	8.86E-06
3376	438171.9	3762178	3.48E-05	0.000119	5.41E-06	1.94E-05	2.91E-06	8.99E-06

3377	438175.4	3762187	3.53E-05	0.00012	5.49E-06	1.97E-05	2.96E-06	9.13E-06
3378	438179	3762195	3.58E-05	0.000122	5.57E-06	2.00E-05	3.00E-06	9.26E-06
3379	438182.6	3762204	3.64E-05	0.000124	5.65E-06	2.03E-05	3.04E-06	9.40E-06
3380	438186.1	3762212	3.69E-05	0.000126	5.73E-06	2.05E-05	3.09E-06	9.53E-06
3381	438189.7	3762221	3.74E-05	0.000128	5.81E-06	2.08E-05	3.13E-06	9.67E-06
3382	438193.2	3762230	3.8E-05	0.000129	5.90E-06	2.12E-05	3.18E-06	9.81E-06
3383	438196.8	3762238	3.85E-05	0.000131	5.99E-06	2.15E-05	3.22E-06	9.96E-06
3384	438200.4	3762247	3.91E-05	0.000133	6.07E-06	2.18E-05	3.27E-06	1.01E-05
3385	438203.9	3762255	3.97E-05	0.000135	6.16E-06	2.21E-05	3.32E-06	1.03E-05
3386	438207.5	3762264	4.03E-05	0.000137	6.25E-06	2.24E-05	3.37E-06	1.04E-05
3387	438211	3762273	4.08E-05	0.000139	6.35E-06	2.28E-05	3.42E-06	1.06E-05
3388	438214.6	3762281	4.15E-05	0.000141	6.44E-06	2.31E-05	3.47E-06	1.07E-05
3389	438218.2	3762290	4.21E-05	0.000143	6.54E-06	2.34E-05	3.52E-06	1.09E-05
3390	438221.7	3762299	4.27E-05	0.000146	6.64E-06	2.38E-05	3.58E-06	1.10E-05
3391	438225.3	3762307	4.34E-05	0.000148	6.74E-06	2.42E-05	3.63E-06	1.12E-05
3392	438228.8	3762316	4.4E-05	0.00015	6.84E-06	2.45E-05	3.69E-06	1.14E-05
3393	438232.4	3762324	4.47E-05	0.000153	6.95E-06	2.49E-05	3.74E-06	1.16E-05
3394	438236	3762333	4.54E-05	0.000155	7.06E-06	2.53E-05	3.80E-06	1.17E-05
3395	438239.5	3762342	4.62E-05	0.000157	7.17E-06	2.57E-05	3.86E-06	1.19E-05
3396	438243.1	3762350	4.69E-05	0.00016	7.29E-06	2.61E-05	3.93E-06	1.21E-05
3397	438246.6	3762359	4.77E-05	0.000163	7.41E-06	2.66E-05	3.99E-06	1.23E-05
3398	438250.2	3762368	4.85E-05	0.000165	7.53E-06	2.70E-05	4.06E-06	1.25E-05
3399	438253.8	3762376	4.93E-05	0.000168	7.66E-06	2.75E-05	4.13E-06	1.27E-05
3400	438257.3	3762385	5.01E-05	0.000171	7.79E-06	2.79E-05	4.20E-06	1.30E-05
3401	438260.9	3762393	5.1E-05	0.000174	7.93E-06	2.84E-05	4.27E-06	1.32E-05
3402	438264.4	3762402	5.19E-05	0.000177	8.07E-06	2.89E-05	4.35E-06	1.34E-05
3403	438268	3762411	5.28E-05	0.00018	8.21E-06	2.94E-05	4.42E-06	1.37E-05
3404	438271.6	3762419	5.38E-05	0.000183	8.36E-06	3.00E-05	4.50E-06	1.39E-05
3405	438275.1	3762428	5.48E-05	0.000187	8.51E-06	3.05E-05	4.58E-06	1.42E-05
3406	438278.7	3762436	5.58E-05	0.00019	8.67E-06	3.11E-05	4.67E-06	1.44E-05
3407	438282.2	3762445	5.68E-05	0.000194	8.83E-06	3.16E-05	4.75E-06	1.47E-05
3408	438285.8	3762454	5.78E-05	0.000197	8.99E-06	3.22E-05	4.84E-06	1.49E-05
3409	438289.4	3762462	5.89E-05	0.000201	9.15E-06	3.28E-05	4.93E-06	1.52E-05
3410	438292.9	3762471	6E-05	0.000205	9.33E-06	3.34E-05	5.02E-06	1.55E-05
3411	438296.5	3762480	6.11E-05	0.000208	9.50E-06	3.41E-05	5.12E-06	1.58E-05
3412	438300	3762488	6.23E-05	0.000212	9.67E-06	3.47E-05	5.21E-06	1.61E-05
3413	438303.6	3762497	6.34E-05	0.000216	9.85E-06	3.53E-05	5.31E-06	1.64E-05
3414	438317.8	3762531	6.82E-05	0.000233	1.06E-05	3.80E-05	5.71E-06	1.76E-05
3415	438321.4	3762540	6.94E-05	0.000237	1.08E-05	3.87E-05	5.81E-06	1.79E-05
3416	438324.9	3762549	7.07E-05	0.000241	1.10E-05	3.94E-05	5.92E-06	1.83E-05
3417	438328.5	3762557	7.19E-05	0.000245	1.12E-05	4.01E-05	6.02E-06	1.86E-05
3418	438332.1	3762566	7.32E-05	0.00025	1.14E-05	4.08E-05	6.12E-06	1.89E-05
3419	438335.6	3762574	7.44E-05	0.000254	1.16E-05	4.15E-05	6.23E-06	1.92E-05
3420	438339.2	3762583	7.57E-05	0.000258	1.18E-05	4.22E-05	6.33E-06	1.96E-05
3421	438342.7	3762592	7.69E-05	0.000262	1.20E-05	4.29E-05	6.44E-06	1.99E-05
3422	438389	3762704	9.2E-05	0.000314	1.43E-05	5.13E-05	7.70E-06	2.38E-05
3423	438392.6	3762712	9.31E-05	0.000317	1.45E-05	5.18E-05	7.79E-06	2.40E-05
3424	437668.5	3761886	1.96E-05	6.68E-05	3.04E-06	1.09E-05	1.64E-06	5.06E-06
3425	437677.2	3761890	1.98E-05	6.76E-05	3.08E-06	1.10E-05	1.66E-06	5.12E-06
3426	437685.8	3761894	2.01E-05	6.85E-05	3.12E-06	1.12E-05	1.68E-06	5.19E-06
3427	437694.5	3761897	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
3428	437703.1	3761901	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06

3429	437711.8	3761904	2.08E-05	7.1E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
3430	437720.4	3761908	2.11E-05	7.19E-05	3.28E-06	1.17E-05	1.76E-06	5.45E-06
3431	437729.1	3761911	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
3432	437737.7	3761915	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
3433	437746.4	3761919	2.19E-05	7.45E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
3434	437755	3761922	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
3435	437763.7	3761926	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
3436	437772.3	3761929	2.27E-05	7.74E-05	3.52E-06	1.26E-05	1.90E-06	5.86E-06
3437	437781	3761933	2.3E-05	7.83E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
3438	437789.6	3761937	2.32E-05	7.92E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
3439	437798.3	3761940	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
3440	437806.9	3761944	2.37E-05	8.1E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
3441	437815.5	3761947	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
3442	437824.2	3761951	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
3443	437832.8	3761954	2.44E-05	8.34E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
3444	437841.5	3761958	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
3445	437850.1	3761962	2.49E-05	8.48E-05	3.86E-06	1.39E-05	2.08E-06	6.43E-06
3446	437858.8	3761965	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
3447	437867.4	3761969	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
3448	437876.1	3761972	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
3449	437884.7	3761976	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
3450	437893.4	3761980	2.58E-05	8.81E-05	4.02E-06	1.44E-05	2.16E-06	6.68E-06
3451	437902	3761983	2.6E-05	8.88E-05	4.05E-06	1.45E-05	2.18E-06	6.73E-06
3452	437910.7	3761987	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
3453	437919.3	3761990	2.64E-05	9E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06
3454	437928	3761994	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.87E-06
3455	437936.6	3761997	2.68E-05	9.13E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
3456	438182.4	3762107	3E-05	0.000102	4.67E-06	1.67E-05	2.51E-06	7.76E-06
3457	438186	3762115	3.05E-05	0.000104	4.73E-06	1.70E-05	2.55E-06	7.87E-06
3458	438189.5	3762124	3.09E-05	0.000105	4.80E-06	1.72E-05	2.59E-06	7.98E-06
3459	438193.1	3762133	3.13E-05	0.000107	4.87E-06	1.74E-05	2.62E-06	8.09E-06
3460	438196.7	3762141	3.17E-05	0.000108	4.93E-06	1.77E-05	2.66E-06	8.20E-06
3461	438200.3	3762150	3.22E-05	0.00011	5.00E-06	1.79E-05	2.69E-06	8.31E-06
3462	438203.8	3762158	3.26E-05	0.000111	5.07E-06	1.82E-05	2.73E-06	8.43E-06
3463	438207.4	3762167	3.31E-05	0.000113	5.14E-06	1.84E-05	2.77E-06	8.54E-06
3464	438211	3762176	3.35E-05	0.000114	5.21E-06	1.87E-05	2.80E-06	8.66E-06
3465	438214.6	3762184	3.4E-05	0.000116	5.28E-06	1.89E-05	2.84E-06	8.78E-06
3466	438218.1	3762193	3.44E-05	0.000117	5.35E-06	1.92E-05	2.88E-06	8.90E-06
3467	438221.7	3762202	3.49E-05	0.000119	5.42E-06	1.94E-05	2.92E-06	9.02E-06
3468	438225.3	3762210	3.54E-05	0.000121	5.50E-06	1.97E-05	2.96E-06	9.14E-06
3469	438228.9	3762219	3.59E-05	0.000122	5.57E-06	2.00E-05	3.00E-06	9.27E-06
3470	438232.4	3762228	3.64E-05	0.000124	5.65E-06	2.03E-05	3.04E-06	9.40E-06
3471	438236	3762236	3.69E-05	0.000126	5.73E-06	2.05E-05	3.09E-06	9.53E-06
3472	438239.6	3762245	3.74E-05	0.000127	5.81E-06	2.08E-05	3.13E-06	9.66E-06
3473	438243.2	3762254	3.79E-05	0.000129	5.89E-06	2.11E-05	3.17E-06	9.79E-06
3474	438246.7	3762262	3.84E-05	0.000131	5.97E-06	2.14E-05	3.22E-06	9.93E-06
3475	438250.3	3762271	3.9E-05	0.000133	6.06E-06	2.17E-05	3.26E-06	1.01E-05
3476	438253.9	3762280	3.95E-05	0.000135	6.14E-06	2.20E-05	3.31E-06	1.02E-05
3477	438257.4	3762288	4.01E-05	0.000137	6.23E-06	2.23E-05	3.36E-06	1.04E-05
3478	438261	3762297	4.07E-05	0.000139	6.32E-06	2.27E-05	3.41E-06	1.05E-05
3479	438264.6	3762306	4.13E-05	0.000141	6.42E-06	2.30E-05	3.46E-06	1.07E-05
3480	438268.2	3762314	4.19E-05	0.000143	6.51E-06	2.33E-05	3.51E-06	1.08E-05

3481	438271.7	3762323	4.25E-05	0.000145	6.61E-06	2.37E-05	3.56E-06	1.10E-05
3482	438275.3	3762332	4.32E-05	0.000147	6.71E-06	2.41E-05	3.62E-06	1.12E-05
3483	438278.9	3762340	4.39E-05	0.00015	6.82E-06	2.44E-05	3.67E-06	1.13E-05
3484	438282.5	3762349	4.46E-05	0.000152	6.92E-06	2.48E-05	3.73E-06	1.15E-05
3485	438286	3762358	4.53E-05	0.000154	7.03E-06	2.52E-05	3.79E-06	1.17E-05
3486	438300.3	3762392	4.84E-05	0.000165	7.51E-06	2.69E-05	4.05E-06	1.25E-05
3487	438303.9	3762401	4.92E-05	0.000168	7.64E-06	2.74E-05	4.12E-06	1.27E-05
3488	438307.5	3762409	5E-05	0.000171	7.77E-06	2.79E-05	4.19E-06	1.29E-05
3489	438311.1	3762418	5.09E-05	0.000174	7.91E-06	2.84E-05	4.26E-06	1.32E-05
3490	438314.6	3762427	5.18E-05	0.000177	8.05E-06	2.88E-05	4.33E-06	1.34E-05
3491	438325.4	3762453	5.46E-05	0.000186	8.48E-06	3.04E-05	4.57E-06	1.41E-05
3492	438328.9	3762461	5.56E-05	0.000189	8.63E-06	3.10E-05	4.65E-06	1.44E-05
3493	438332.5	3762470	5.66E-05	0.000193	8.79E-06	3.15E-05	4.73E-06	1.46E-05
3494	438336.1	3762479	5.76E-05	0.000196	8.94E-06	3.21E-05	4.82E-06	1.49E-05
3495	438339.6	3762487	5.86E-05	0.0002	9.10E-06	3.26E-05	4.90E-06	1.51E-05
3496	438343.2	3762496	5.96E-05	0.000203	9.26E-06	3.32E-05	4.99E-06	1.54E-05
3497	438346.8	3762505	6.07E-05	0.000207	9.43E-06	3.38E-05	5.08E-06	1.57E-05
3498	438389.7	3762609	7.38E-05	0.000252	1.15E-05	4.11E-05	6.18E-06	1.91E-05
3499	438393.3	3762617	7.49E-05	0.000255	1.16E-05	4.17E-05	6.27E-06	1.93E-05
3500	438396.8	3762626	7.6E-05	0.000259	1.18E-05	4.23E-05	6.36E-06	1.96E-05
3501	438400.4	3762634	7.7E-05	0.000263	1.20E-05	4.29E-05	6.45E-06	1.99E-05
3502	438404	3762643	7.81E-05	0.000266	1.21E-05	4.35E-05	6.54E-06	2.02E-05
3503	438407.6	3762652	7.91E-05	0.00027	1.23E-05	4.41E-05	6.62E-06	2.04E-05
3504	438411.1	3762660	8.01E-05	0.000273	1.24E-05	4.46E-05	6.71E-06	2.07E-05
3505	438414.7	3762669	8.11E-05	0.000277	1.26E-05	4.52E-05	6.79E-06	2.10E-05
3506	438418.3	3762678	8.21E-05	0.00028	1.28E-05	4.57E-05	6.87E-06	2.12E-05
3507	438421.8	3762686	8.3E-05	0.000283	1.29E-05	4.62E-05	6.95E-06	2.14E-05
3508	438425.4	3762695	8.39E-05	0.000286	1.30E-05	4.68E-05	7.03E-06	2.17E-05
3509	438429	3762704	8.49E-05	0.000289	1.32E-05	4.73E-05	7.10E-06	2.19E-05
3510	438432.6	3762712	8.57E-05	0.000292	1.33E-05	4.78E-05	7.18E-06	2.22E-05
3511	437693.1	3761857	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.83E-06
3512	437701.7	3761860	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
3513	437710.3	3761864	1.91E-05	6.53E-05	2.97E-06	1.07E-05	1.60E-06	4.95E-06
3514	437718.8	3761867	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
3515	437727.4	3761871	1.96E-05	6.68E-05	3.05E-06	1.09E-05	1.64E-06	5.06E-06
3516	437736	3761874	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
3517	437744.5	3761878	2.01E-05	6.85E-05	3.12E-06	1.12E-05	1.68E-06	5.19E-06
3518	437753.1	3761881	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
3519	437761.7	3761885	2.06E-05	7.01E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
3520	437770.2	3761889	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.38E-06
3521	437778.8	3761892	2.1E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
3522	437787.4	3761896	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
3523	437795.9	3761899	2.15E-05	7.34E-05	3.35E-06	1.20E-05	1.80E-06	5.57E-06
3524	437804.5	3761903	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.63E-06
3525	437813.1	3761906	2.2E-05	7.5E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
3526	437821.6	3761910	2.22E-05	7.58E-05	3.45E-06	1.24E-05	1.86E-06	5.74E-06
3527	437830.2	3761913	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
3528	437838.8	3761917	2.26E-05	7.71E-05	3.52E-06	1.26E-05	1.89E-06	5.85E-06
3529	437847.3	3761920	2.28E-05	7.78E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
3530	437855.9	3761924	2.3E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
3531	437864.5	3761928	2.32E-05	7.91E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
3532	437873	3761931	2.34E-05	7.97E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06

3533	437881.6	3761935	2.36E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
3534	437890.2	3761938	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
3535	437898.7	3761942	2.39E-05	8.15E-05	3.72E-06	1.33E-05	2.00E-06	6.18E-06
3536	437907.3	3761945	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.02E-06	6.22E-06
3537	437915.9	3761949	2.42E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
3538	437924.4	3761952	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
3539	437933	3761956	2.45E-05	8.37E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
3540	437941.6	3761960	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
3541	437950.1	3761963	2.48E-05	8.47E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
3542	437958.7	3761967	2.5E-05	8.52E-05	3.88E-06	1.39E-05	2.09E-06	6.46E-06
3543	437967.3	3761970	2.51E-05	8.57E-05	3.91E-06	1.40E-05	2.10E-06	6.49E-06
3544	437975.8	3761974	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
3545	438070.1	3762013	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
3546	438078.6	3762016	2.67E-05	9.11E-05	4.15E-06	1.49E-05	2.24E-06	6.90E-06
3547	438087.2	3762020	2.68E-05	9.14E-05	4.16E-06	1.49E-05	2.24E-06	6.93E-06
3548	438095.8	3762023	2.69E-05	9.17E-05	4.18E-06	1.50E-05	2.25E-06	6.95E-06
3549	438104.3	3762027	2.7E-05	9.2E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
3550	438112.9	3762031	2.71E-05	9.23E-05	4.20E-06	1.51E-05	2.26E-06	6.99E-06
3551	438121.5	3762034	2.71E-05	9.25E-05	4.22E-06	1.51E-05	2.27E-06	7.01E-06
3552	438130	3762038	2.72E-05	9.27E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
3553	438138.6	3762041	2.73E-05	9.3E-05	4.24E-06	1.52E-05	2.28E-06	7.04E-06
3554	438147.2	3762045	2.73E-05	9.32E-05	4.25E-06	1.52E-05	2.29E-06	7.06E-06
3555	438221.3	3762104	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.43E-06	7.51E-06
3556	438224.8	3762112	2.95E-05	0.0001	4.58E-06	1.64E-05	2.47E-06	7.61E-06
3557	438228.4	3762121	2.98E-05	0.000102	4.64E-06	1.66E-05	2.50E-06	7.71E-06
3558	438231.9	3762130	3.02E-05	0.000103	4.70E-06	1.68E-05	2.53E-06	7.81E-06
3559	438235.4	3762138	3.06E-05	0.000104	4.76E-06	1.70E-05	2.56E-06	7.91E-06
3560	438239	3762147	0.000031	0.000106	4.82E-06	1.73E-05	2.59E-06	8.01E-06
3561	438242.5	3762155	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.11E-06
3562	438246.1	3762164	3.18E-05	0.000108	4.94E-06	1.77E-05	2.66E-06	8.22E-06
3563	438249.6	3762172	3.22E-05	0.00011	5.00E-06	1.79E-05	2.70E-06	8.32E-06
3564	438253.1	3762181	3.26E-05	0.000111	5.07E-06	1.82E-05	2.73E-06	8.43E-06
3565	438256.7	3762190	3.3E-05	0.000113	5.13E-06	1.84E-05	2.76E-06	8.53E-06
3566	438260.2	3762198	3.35E-05	0.000114	5.20E-06	1.86E-05	2.80E-06	8.64E-06
3567	438263.8	3762207	3.39E-05	0.000116	5.27E-06	1.89E-05	2.84E-06	8.76E-06
3568	438267.3	3762215	3.43E-05	0.000117	5.33E-06	1.91E-05	2.87E-06	8.87E-06
3569	438270.8	3762224	3.48E-05	0.000119	5.40E-06	1.94E-05	2.91E-06	8.98E-06
3570	438274.4	3762232	3.52E-05	0.00012	5.47E-06	1.96E-05	2.95E-06	9.10E-06
3571	438277.9	3762241	3.57E-05	0.000122	5.54E-06	1.99E-05	2.99E-06	9.22E-06
3572	438281.5	3762250	3.62E-05	0.000123	5.62E-06	2.01E-05	3.03E-06	9.34E-06
3573	438285	3762258	3.66E-05	0.000125	5.69E-06	2.04E-05	3.07E-06	9.46E-06
3574	438288.5	3762267	3.71E-05	0.000127	5.77E-06	2.07E-05	3.11E-06	9.59E-06
3575	438292.1	3762275	3.76E-05	0.000128	5.84E-06	2.10E-05	3.15E-06	9.72E-06
3576	438295.6	3762284	3.81E-05	0.00013	5.93E-06	2.12E-05	3.19E-06	9.85E-06
3577	438299.2	3762292	3.87E-05	0.000132	6.01E-06	2.15E-05	3.24E-06	9.99E-06
3578	438302.7	3762301	3.92E-05	0.000134	6.09E-06	2.18E-05	3.28E-06	1.01E-05
3579	438306.2	3762310	3.98E-05	0.000136	6.18E-06	2.21E-05	3.33E-06	1.03E-05
3580	438309.8	3762318	4.03E-05	0.000138	6.27E-06	2.25E-05	3.38E-06	1.04E-05
3581	438313.3	3762327	4.09E-05	0.00014	6.36E-06	2.28E-05	3.42E-06	1.06E-05
3582	438316.9	3762335	4.15E-05	0.000142	6.45E-06	2.31E-05	3.48E-06	1.07E-05
3583	438320.4	3762344	4.21E-05	0.000144	6.55E-06	2.35E-05	3.53E-06	1.09E-05
3584	438323.9	3762352	4.28E-05	0.000146	6.65E-06	2.38E-05	3.58E-06	1.11E-05

3585	438327.5	3762361	4.34E-05	0.000148	6.75E-06	2.42E-05	3.64E-06	1.12E-05
3586	438341.6	3762395	4.63E-05	0.000158	7.19E-06	2.58E-05	3.87E-06	1.20E-05
3587	438345.2	3762404	4.71E-05	0.00016	7.31E-06	2.62E-05	3.94E-06	1.22E-05
3588	438348.7	3762412	4.78E-05	0.000163	7.43E-06	2.66E-05	4.00E-06	1.24E-05
3589	438391.2	3762515	5.84E-05	0.000199	9.07E-06	3.25E-05	4.89E-06	1.51E-05
3590	438394.7	3762524	5.93E-05	0.000202	9.22E-06	3.31E-05	4.97E-06	1.53E-05
3591	438398.3	3762532	6.03E-05	0.000206	9.37E-06	3.36E-05	5.05E-06	1.56E-05
3592	438401.8	3762541	6.13E-05	0.000209	9.52E-06	3.41E-05	5.13E-06	1.58E-05
3593	438405.4	3762550	6.22E-05	0.000212	9.67E-06	3.47E-05	5.21E-06	1.61E-05
3594	438408.9	3762558	6.32E-05	0.000215	9.82E-06	3.52E-05	5.29E-06	1.63E-05
3595	438412.4	3762567	6.41E-05	0.000219	9.96E-06	3.57E-05	5.37E-06	1.66E-05
3596	438416	3762575	6.51E-05	0.000222	1.01E-05	3.63E-05	5.45E-06	1.68E-05
3597	438419.5	3762584	6.6E-05	0.000225	1.03E-05	3.68E-05	5.53E-06	1.71E-05
3598	438423	3762592	6.7E-05	0.000228	1.04E-05	3.73E-05	5.61E-06	1.73E-05
3599	438426.6	3762601	6.79E-05	0.000232	1.06E-05	3.78E-05	5.69E-06	1.76E-05
3600	438430.1	3762610	6.89E-05	0.000235	1.07E-05	3.84E-05	5.77E-06	1.78E-05
3601	438433.7	3762618	6.98E-05	0.000238	1.09E-05	3.89E-05	5.85E-06	1.80E-05
3602	438437.2	3762627	7.08E-05	0.000241	1.10E-05	3.94E-05	5.92E-06	1.83E-05
3603	438440.7	3762635	7.17E-05	0.000245	1.11E-05	3.99E-05	6.00E-06	1.85E-05
3604	438444.3	3762644	7.26E-05	0.000248	1.13E-05	4.05E-05	6.08E-06	1.88E-05
3605	438447.8	3762652	7.35E-05	0.000251	1.14E-05	4.10E-05	6.15E-06	1.90E-05
3606	438451.4	3762661	7.44E-05	0.000254	1.16E-05	4.14E-05	6.23E-06	1.92E-05
3607	438454.9	3762670	7.53E-05	0.000257	1.17E-05	4.19E-05	6.30E-06	1.94E-05
3608	438458.4	3762678	7.61E-05	0.00026	1.18E-05	4.24E-05	6.37E-06	1.97E-05
3609	438462	3762687	7.69E-05	0.000262	1.20E-05	4.29E-05	6.44E-06	1.99E-05
3610	438465.5	3762695	7.77E-05	0.000265	1.21E-05	4.33E-05	6.51E-06	2.01E-05
3611	438469.1	3762704	7.85E-05	0.000268	1.22E-05	4.37E-05	6.57E-06	2.03E-05
3612	438472.6	3762712	7.93E-05	0.00027	1.23E-05	4.42E-05	6.64E-06	2.05E-05
3613	437537.3	3761800	1.5E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
3614	437527.9	3761800	1.49E-05	5.08E-05	2.31E-06	8.30E-06	1.25E-06	3.85E-06
3615	437518.5	3761800	1.48E-05	5.05E-05	2.30E-06	8.24E-06	1.24E-06	3.82E-06
3616	437509.1	3761800	1.47E-05	5.01E-05	2.28E-06	8.19E-06	1.23E-06	3.80E-06
3617	437499.7	3761800	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
3618	437490.3	3761800	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.22E-06	3.75E-06
3619	437480.9	3761800	1.44E-05	4.92E-05	2.24E-06	8.04E-06	1.21E-06	3.73E-06
3620	437471.5	3761800	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
3621	437462.2	3761800	1.42E-05	4.86E-05	2.21E-06	7.94E-06	1.19E-06	3.68E-06
3622	437719.5	3761827	1.8E-05	6.12E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
3623	437728.1	3761831	1.82E-05	6.2E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
3624	437736.7	3761835	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
3625	437745.3	3761838	1.86E-05	6.35E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
3626	437753.9	3761842	1.89E-05	6.43E-05	2.93E-06	1.05E-05	1.58E-06	4.87E-06
3627	437762.5	3761845	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
3628	437771.1	3761849	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
3629	437779.7	3761852	1.95E-05	6.66E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
3630	437788.3	3761856	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.65E-06	5.11E-06
3631	437796.8	3761860	2E-05	6.81E-05	3.11E-06	1.11E-05	1.67E-06	5.16E-06
3632	437805.4	3761863	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
3633	437814	3761867	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
3634	437822.6	3761870	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.73E-06	5.33E-06
3635	437831.2	3761874	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
3636	437839.8	3761877	2.1E-05	7.15E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06

3637	437848.4	3761881	2.11E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.46E-06
3638	437857	3761885	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
3639	437865.6	3761888	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
3640	437874.2	3761892	2.16E-05	7.38E-05	3.36E-06	1.21E-05	1.81E-06	5.59E-06
3641	437882.8	3761895	2.18E-05	7.44E-05	3.39E-06	1.22E-05	1.83E-06	5.64E-06
3642	437891.4	3761899	2.2E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.68E-06
3643	437900	3761902	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
3644	437908.6	3761906	2.23E-05	7.6E-05	3.46E-06	1.24E-05	1.86E-06	5.76E-06
3645	437917.2	3761909	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
3646	437925.8	3761913	2.26E-05	7.7E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
3647	437934.4	3761917	2.27E-05	7.75E-05	3.53E-06	1.27E-05	1.90E-06	5.87E-06
3648	437943	3761920	2.29E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
3649	437951.6	3761924	2.3E-05	7.84E-05	3.57E-06	1.28E-05	1.92E-06	5.94E-06
3650	437960.2	3761927	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.94E-06	5.97E-06
3651	437968.8	3761931	2.33E-05	7.93E-05	3.61E-06	1.30E-05	1.95E-06	6.01E-06
3652	437977.4	3761934	2.34E-05	7.97E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06
3653	438046.2	3761963	2.44E-05	8.31E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
3654	438054.8	3761967	2.45E-05	8.35E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
3655	438063.4	3761970	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
3656	438072	3761974	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.07E-06	6.38E-06
3657	438080.6	3761977	2.48E-05	8.45E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
3658	438089.2	3761981	2.49E-05	8.48E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
3659	438097.8	3761984	2.5E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
3660	438106.4	3761988	2.5E-05	8.54E-05	3.89E-06	1.39E-05	2.10E-06	6.47E-06
3661	438115	3761991	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
3662	438123.6	3761995	2.52E-05	8.59E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
3663	438132.2	3761999	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
3664	438140.8	3762002	2.53E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
3665	438149.4	3762006	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
3666	438158	3762009	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
3667	438166.6	3762013	2.55E-05	8.7E-05	3.97E-06	1.42E-05	2.14E-06	6.59E-06
3668	438175.2	3762016	2.56E-05	8.72E-05	3.97E-06	1.42E-05	2.14E-06	6.61E-06
3669	438183.8	3762020	2.56E-05	8.74E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
3670	438192.4	3762024	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
3671	438201	3762027	2.57E-05	8.77E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
3672	438209.6	3762031	2.57E-05	8.78E-05	4.00E-06	1.43E-05	2.15E-06	6.65E-06
3673	438218.2	3762034	2.58E-05	8.79E-05	4.00E-06	1.44E-05	2.16E-06	6.66E-06
3674	438226.8	3762038	2.58E-05	8.8E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
3675	438260.3	3762102	2.81E-05	9.6E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
3676	438263.9	3762110	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
3677	438267.4	3762119	2.88E-05	9.83E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
3678	438271	3762127	2.92E-05	9.95E-05	4.53E-06	1.63E-05	2.44E-06	7.54E-06
3679	438274.5	3762136	2.95E-05	0.000101	4.59E-06	1.65E-05	2.47E-06	7.63E-06
3680	438278.1	3762145	2.99E-05	0.000102	4.65E-06	1.67E-05	2.50E-06	7.73E-06
3681	438281.6	3762153	3.03E-05	0.000103	4.70E-06	1.69E-05	2.53E-06	7.82E-06
3682	438285.2	3762162	3.06E-05	0.000104	4.76E-06	1.71E-05	2.56E-06	7.92E-06
3683	438288.7	3762170	3.1E-05	0.000106	4.82E-06	1.73E-05	2.60E-06	8.01E-06
3684	438292.3	3762179	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.11E-06
3685	438295.8	3762188	3.18E-05	0.000108	4.94E-06	1.77E-05	2.66E-06	8.21E-06
3686	438299.4	3762196	3.22E-05	0.00011	5.00E-06	1.79E-05	2.69E-06	8.31E-06
3687	438302.9	3762205	3.25E-05	0.000111	5.06E-06	1.81E-05	2.72E-06	8.41E-06
3688	438306.5	3762213	3.29E-05	0.000112	5.12E-06	1.83E-05	2.76E-06	8.51E-06

3689	438310.1	3762222	3.33E-05	0.000114	5.18E-06	1.86E-05	2.79E-06	8.62E-06
3690	438313.6	3762231	3.38E-05	0.000115	5.24E-06	1.88E-05	2.83E-06	8.72E-06
3691	438317.2	3762239	3.42E-05	0.000117	5.31E-06	1.90E-05	2.86E-06	8.83E-06
3692	438320.7	3762248	3.46E-05	0.000118	5.38E-06	1.93E-05	2.90E-06	8.94E-06
3693	438324.3	3762256	3.5E-05	0.00012	5.45E-06	1.95E-05	2.93E-06	9.06E-06
3694	438327.8	3762265	3.55E-05	0.000121	5.52E-06	1.98E-05	2.97E-06	9.17E-06
3695	438331.4	3762274	3.6E-05	0.000123	5.59E-06	2.00E-05	3.01E-06	9.29E-06
3696	438334.9	3762282	3.64E-05	0.000124	5.66E-06	2.03E-05	3.05E-06	9.42E-06
3697	438338.5	3762291	3.69E-05	0.000126	5.74E-06	2.06E-05	3.09E-06	9.54E-06
3698	438342	3762300	3.74E-05	0.000128	5.82E-06	2.09E-05	3.13E-06	9.67E-06
3699	438345.6	3762308	3.8E-05	0.000129	5.90E-06	2.11E-05	3.18E-06	9.81E-06
3700	438349.1	3762317	3.85E-05	0.000131	5.98E-06	2.14E-05	3.22E-06	9.94E-06
3701	438391.8	3762420	4.62E-05	0.000157	7.17E-06	2.57E-05	3.86E-06	1.19E-05
3702	438395.3	3762429	4.69E-05	0.00016	7.29E-06	2.61E-05	3.93E-06	1.21E-05
3703	438398.9	3762437	4.77E-05	0.000162	7.40E-06	2.65E-05	3.99E-06	1.23E-05
3704	438402.4	3762446	4.84E-05	0.000165	7.52E-06	2.70E-05	4.05E-06	1.25E-05
3705	438406	3762454	4.92E-05	0.000168	7.65E-06	2.74E-05	4.12E-06	1.27E-05
3706	438409.5	3762463	5E-05	0.000171	7.77E-06	2.79E-05	4.19E-06	1.29E-05
3707	438413.1	3762472	5.08E-05	0.000173	7.89E-06	2.83E-05	4.25E-06	1.31E-05
3708	438416.7	3762480	5.16E-05	0.000176	8.02E-06	2.88E-05	4.32E-06	1.33E-05
3709	438420.2	3762489	5.25E-05	0.000179	8.15E-06	2.92E-05	4.39E-06	1.36E-05
3710	438423.8	3762497	5.33E-05	0.000182	8.28E-06	2.97E-05	4.46E-06	1.38E-05
3711	438427.3	3762506	5.42E-05	0.000185	8.41E-06	3.02E-05	4.53E-06	1.40E-05
3712	438430.9	3762515	5.5E-05	0.000188	8.55E-06	3.06E-05	4.60E-06	1.42E-05
3713	438434.4	3762523	5.59E-05	0.00019	8.68E-06	3.11E-05	4.68E-06	1.44E-05
3714	438438	3762532	5.67E-05	0.000193	8.81E-06	3.16E-05	4.75E-06	1.47E-05
3715	438441.5	3762540	5.76E-05	0.000196	8.95E-06	3.21E-05	4.82E-06	1.49E-05
3716	438445.1	3762549	5.84E-05	0.000199	9.08E-06	3.25E-05	4.89E-06	1.51E-05
3717	438448.6	3762558	5.93E-05	0.000202	9.21E-06	3.30E-05	4.96E-06	1.53E-05
3718	438452.2	3762566	6.01E-05	0.000205	9.34E-06	3.35E-05	5.03E-06	1.55E-05
3719	438455.7	3762575	6.1E-05	0.000208	9.48E-06	3.40E-05	5.10E-06	1.58E-05
3720	438459.3	3762583	6.18E-05	0.000211	9.61E-06	3.44E-05	5.17E-06	1.60E-05
3721	438462.8	3762592	6.27E-05	0.000214	9.74E-06	3.49E-05	5.25E-06	1.62E-05
3722	438466.4	3762601	6.35E-05	0.000217	9.87E-06	3.54E-05	5.32E-06	1.64E-05
3723	438470	3762609	6.44E-05	0.000219	1.00E-05	3.59E-05	5.39E-06	1.66E-05
3724	438473.5	3762618	6.52E-05	0.000222	1.01E-05	3.63E-05	5.46E-06	1.68E-05
3725	438477.1	3762626	6.6E-05	0.000225	1.03E-05	3.68E-05	5.53E-06	1.71E-05
3726	438480.6	3762635	6.68E-05	0.000228	1.04E-05	3.72E-05	5.60E-06	1.73E-05
3727	438484.2	3762644	6.77E-05	0.000231	1.05E-05	3.77E-05	5.66E-06	1.75E-05
3728	438487.7	3762652	6.84E-05	0.000233	1.06E-05	3.81E-05	5.73E-06	1.77E-05
3729	438491.3	3762661	6.92E-05	0.000236	1.08E-05	3.86E-05	5.79E-06	1.79E-05
3730	438494.8	3762669	7E-05	0.000239	1.09E-05	3.90E-05	5.86E-06	1.81E-05
3731	438498.4	3762678	7.07E-05	0.000241	1.10E-05	3.94E-05	5.92E-06	1.83E-05
3732	438501.9	3762687	7.15E-05	0.000244	1.11E-05	3.98E-05	5.98E-06	1.85E-05
3733	438505.5	3762695	7.22E-05	0.000246	1.12E-05	4.02E-05	6.04E-06	1.87E-05
3734	438509	3762704	7.29E-05	0.000249	1.13E-05	4.06E-05	6.10E-06	1.88E-05
3735	438512.6	3762713	7.36E-05	0.000251	1.14E-05	4.10E-05	6.16E-06	1.90E-05
3736	437737.3	3761795	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.43E-06
3737	437745.9	3761798	1.74E-05	5.92E-05	2.70E-06	9.68E-06	1.45E-06	4.49E-06
3738	437754.6	3761802	1.76E-05	5.99E-05	2.73E-06	9.79E-06	1.47E-06	4.54E-06
3739	437763.2	3761806	1.78E-05	6.06E-05	2.76E-06	9.90E-06	1.49E-06	4.59E-06
3740	437771.8	3761809	1.8E-05	6.13E-05	2.79E-06	1.00E-05	1.51E-06	4.65E-06

3741	437780.4	3761813	1.82E-05	6.2E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
3742	437789.1	3761816	1.84E-05	6.27E-05	2.86E-06	1.02E-05	1.54E-06	4.75E-06
3743	437797.7	3761820	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.80E-06
3744	437806.3	3761823	1.88E-05	6.41E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06
3745	437815	3761827	1.9E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.90E-06
3746	437823.6	3761831	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
3747	437832.2	3761834	1.94E-05	6.6E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
3748	437840.9	3761838	1.95E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
3749	437849.5	3761841	1.97E-05	6.73E-05	3.06E-06	1.10E-05	1.65E-06	5.10E-06
3750	437858.1	3761845	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.66E-06	5.14E-06
3751	437866.7	3761849	2E-05	6.83E-05	3.11E-06	1.12E-05	1.68E-06	5.18E-06
3752	437875.4	3761852	2.02E-05	6.88E-05	3.14E-06	1.12E-05	1.69E-06	5.21E-06
3753	437884	3761856	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
3754	437892.6	3761859	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
3755	437901.3	3761863	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
3756	437909.9	3761866	2.07E-05	7.07E-05	3.22E-06	1.15E-05	1.73E-06	5.36E-06
3757	437918.5	3761870	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
3758	437927.2	3761874	2.1E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
3759	437935.8	3761877	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
3760	437944.4	3761881	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
3761	437953	3761884	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
3762	437961.7	3761888	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.56E-06
3763	437970.3	3761891	2.16E-05	7.37E-05	3.36E-06	1.20E-05	1.81E-06	5.59E-06
3764	437978.9	3761895	2.17E-05	7.41E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
3765	438048	3761924	2.27E-05	7.72E-05	3.52E-06	1.26E-05	1.90E-06	5.85E-06
3766	438056.6	3761927	2.28E-05	7.76E-05	3.54E-06	1.27E-05	1.90E-06	5.88E-06
3767	438065.2	3761931	2.29E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
3768	438073.9	3761934	2.3E-05	7.83E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
3769	438082.5	3761938	2.3E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
3770	438091.1	3761942	2.31E-05	7.89E-05	3.60E-06	1.29E-05	1.94E-06	5.98E-06
3771	438099.8	3761945	2.32E-05	7.92E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
3772	438108.4	3761949	2.33E-05	7.95E-05	3.62E-06	1.30E-05	1.95E-06	6.02E-06
3773	438117	3761952	2.34E-05	7.98E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06
3774	438125.7	3761956	2.35E-05	8E-05	3.65E-06	1.31E-05	1.96E-06	6.06E-06
3775	438134.3	3761959	2.35E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.08E-06
3776	438142.9	3761963	2.36E-05	8.05E-05	3.67E-06	1.31E-05	1.98E-06	6.10E-06
3777	438151.5	3761967	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.12E-06
3778	438160.2	3761970	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
3779	438168.8	3761974	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
3780	438177.4	3761977	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
3781	438186.1	3761981	2.39E-05	8.16E-05	3.72E-06	1.33E-05	2.00E-06	6.18E-06
3782	438194.7	3761984	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
3783	438203.3	3761988	2.4E-05	8.2E-05	3.74E-06	1.34E-05	2.01E-06	6.21E-06
3784	438212	3761992	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.02E-06	6.22E-06
3785	438220.6	3761995	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.23E-06
3786	438229.2	3761999	2.42E-05	8.24E-05	3.75E-06	1.35E-05	2.02E-06	6.24E-06
3787	438237.8	3762002	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.03E-06	6.25E-06
3788	438246.5	3762006	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
3789	438255.1	3762010	2.42E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
3790	438267.3	3762022	2.46E-05	8.37E-05	3.82E-06	1.37E-05	2.06E-06	6.34E-06
3791	438270.9	3762030	2.48E-05	8.47E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
3792	438274.4	3762039	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06

3793	438303	3762108	2.76E-05	9.4E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
3794	438306.5	3762117	2.79E-05	9.51E-05	4.33E-06	1.55E-05	2.33E-06	7.20E-06
3795	438310.1	3762125	2.82E-05	9.62E-05	4.38E-06	1.57E-05	2.36E-06	7.29E-06
3796	438313.7	3762134	2.85E-05	9.73E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
3797	438317.2	3762143	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.42E-06	7.46E-06
3798	438320.8	3762151	2.92E-05	9.96E-05	4.54E-06	1.63E-05	2.44E-06	7.54E-06
3799	438324.4	3762160	2.95E-05	0.000101	4.59E-06	1.64E-05	2.47E-06	7.63E-06
3800	438327.9	3762169	2.99E-05	0.000102	4.64E-06	1.66E-05	2.50E-06	7.72E-06
3801	438331.5	3762177	3.02E-05	0.000103	4.69E-06	1.68E-05	2.53E-06	7.80E-06
3802	438335.1	3762186	3.05E-05	0.000104	4.75E-06	1.70E-05	2.56E-06	7.89E-06
3803	438338.6	3762194	3.09E-05	0.000105	4.80E-06	1.72E-05	2.59E-06	7.98E-06
3804	438342.2	3762203	3.13E-05	0.000107	4.86E-06	1.74E-05	2.62E-06	8.08E-06
3805	438345.8	3762212	3.16E-05	0.000108	4.91E-06	1.76E-05	2.65E-06	8.17E-06
3806	438349.3	3762220	3.2E-05	0.000109	4.97E-06	1.78E-05	2.68E-06	8.27E-06
3807	438352.9	3762229	3.24E-05	0.00011	5.03E-06	1.80E-05	2.71E-06	8.37E-06
3808	438388.5	3762315	3.68E-05	0.000125	5.71E-06	2.05E-05	3.08E-06	9.50E-06
3809	438392.1	3762324	3.73E-05	0.000127	5.79E-06	2.08E-05	3.12E-06	9.64E-06
3810	438395.7	3762333	3.78E-05	0.000129	5.88E-06	2.11E-05	3.17E-06	9.77E-06
3811	438399.2	3762341	3.84E-05	0.000131	5.96E-06	2.14E-05	3.21E-06	9.91E-06
3812	438402.8	3762350	3.89E-05	0.000133	6.05E-06	2.17E-05	3.26E-06	1.01E-05
3813	438406.4	3762359	3.95E-05	0.000135	6.14E-06	2.20E-05	3.31E-06	1.02E-05
3814	438409.9	3762367	4.01E-05	0.000137	6.23E-06	2.23E-05	3.35E-06	1.04E-05
3815	438413.5	3762376	4.07E-05	0.000139	6.32E-06	2.27E-05	3.40E-06	1.05E-05
3816	438417.1	3762384	4.13E-05	0.000141	6.42E-06	2.30E-05	3.46E-06	1.07E-05
3817	438420.6	3762393	4.19E-05	0.000143	6.51E-06	2.33E-05	3.51E-06	1.08E-05
3818	438424.2	3762402	4.26E-05	0.000145	6.61E-06	2.37E-05	3.56E-06	1.10E-05
3819	438427.8	3762410	4.32E-05	0.000147	6.71E-06	2.41E-05	3.62E-06	1.12E-05
3820	438431.3	3762419	4.39E-05	0.00015	6.82E-06	2.44E-05	3.67E-06	1.13E-05
3821	438434.9	3762428	4.46E-05	0.000152	6.92E-06	2.48E-05	3.73E-06	1.15E-05
3822	438438.5	3762436	4.53E-05	0.000154	7.03E-06	2.52E-05	3.79E-06	1.17E-05
3823	438442	3762445	4.6E-05	0.000157	7.14E-06	2.56E-05	3.85E-06	1.19E-05
3824	438445.6	3762453	4.67E-05	0.000159	7.25E-06	2.60E-05	3.91E-06	1.21E-05
3825	438449.2	3762462	4.74E-05	0.000162	7.36E-06	2.64E-05	3.97E-06	1.22E-05
3826	438452.7	3762471	4.81E-05	0.000164	7.48E-06	2.68E-05	4.03E-06	1.24E-05
3827	438456.3	3762479	4.89E-05	0.000167	7.59E-06	2.72E-05	4.09E-06	1.26E-05
3828	438459.9	3762488	4.96E-05	0.000169	7.71E-06	2.76E-05	4.15E-06	1.28E-05
3829	438463.4	3762497	5.04E-05	0.000172	7.83E-06	2.81E-05	4.22E-06	1.30E-05
3830	438467	3762505	5.11E-05	0.000174	7.95E-06	2.85E-05	4.28E-06	1.32E-05
3831	438470.6	3762514	5.19E-05	0.000177	8.06E-06	2.89E-05	4.34E-06	1.34E-05
3832	438474.1	3762523	5.27E-05	0.00018	8.18E-06	2.93E-05	4.41E-06	1.36E-05
3833	438477.7	3762531	5.34E-05	0.000182	8.30E-06	2.98E-05	4.47E-06	1.38E-05
3834	438481.3	3762540	5.42E-05	0.000185	8.42E-06	3.02E-05	4.54E-06	1.40E-05
3835	438484.8	3762548	5.5E-05	0.000187	8.54E-06	3.06E-05	4.60E-06	1.42E-05
3836	438488.4	3762557	5.57E-05	0.00019	8.66E-06	3.10E-05	4.67E-06	1.44E-05
3837	438492	3762566	5.65E-05	0.000193	8.78E-06	3.15E-05	4.73E-06	1.46E-05
3838	438495.5	3762574	5.73E-05	0.000195	8.90E-06	3.19E-05	4.79E-06	1.48E-05
3839	438499.1	3762583	5.8E-05	0.000198	9.02E-06	3.23E-05	4.86E-06	1.50E-05
3840	438502.7	3762592	5.88E-05	0.0002	9.13E-06	3.27E-05	4.92E-06	1.52E-05
3841	438506.2	3762600	5.95E-05	0.000203	9.25E-06	3.32E-05	4.98E-06	1.54E-05
3842	438509.8	3762609	6.03E-05	0.000206	9.37E-06	3.36E-05	5.05E-06	1.56E-05
3843	438513.4	3762618	6.1E-05	0.000208	9.48E-06	3.40E-05	5.11E-06	1.58E-05
3844	438516.9	3762626	6.18E-05	0.000211	9.60E-06	3.44E-05	5.17E-06	1.60E-05

3845	438520.5	3762635	6.25E-05	0.000213	9.71E-06	3.48E-05	5.23E-06	1.61E-05
3846	438524.1	3762643	6.32E-05	0.000216	9.82E-06	3.52E-05	5.29E-06	1.63E-05
3847	438527.6	3762652	6.39E-05	0.000218	9.93E-06	3.56E-05	5.35E-06	1.65E-05
3848	438531.2	3762661	6.46E-05	0.00022	1.00E-05	3.60E-05	5.41E-06	1.67E-05
3849	438534.7	3762669	6.53E-05	0.000223	1.01E-05	3.64E-05	5.47E-06	1.69E-05
3850	438538.3	3762678	6.6E-05	0.000225	1.03E-05	3.67E-05	5.52E-06	1.70E-05
3851	438541.9	3762687	6.66E-05	0.000227	1.04E-05	3.71E-05	5.58E-06	1.72E-05
3852	438545.4	3762695	6.73E-05	0.000229	1.05E-05	3.75E-05	5.63E-06	1.74E-05
3853	438549	3762704	6.79E-05	0.000231	1.05E-05	3.78E-05	5.68E-06	1.75E-05
3854	438552.6	3762713	6.85E-05	0.000234	1.06E-05	3.82E-05	5.73E-06	1.77E-05
3855	437683.5	3762711	0.001362	0.004643	2.12E-04	7.59E-04	1.14E-04	3.52E-04
3856	437703.5	3762711	0.001175	0.004006	1.83E-04	6.54E-04	9.83E-05	3.04E-04
3857	437723.5	3762711	0.001022	0.003486	1.59E-04	5.70E-04	8.56E-05	2.64E-04
3858	437743.5	3762711	0.000898	0.003061	1.39E-04	5.00E-04	7.51E-05	2.32E-04
3859	437803.5	3762711	0.000634	0.002162	9.85E-05	3.53E-04	5.31E-05	1.64E-04
3860	437803.5	3762675	0.000497	0.001696	7.73E-05	2.77E-04	4.16E-05	1.29E-04
3861	437863.5	3762711	0.00047	0.001604	7.31E-05	2.62E-04	3.94E-05	1.22E-04
3862	437863.5	3762702	0.000447	0.001526	6.95E-05	2.49E-04	3.75E-05	1.16E-04
3863	437863.5	3762693	0.000425	0.00145	6.61E-05	2.37E-04	3.56E-05	1.10E-04
3864	437893.5	3762711	0.000411	0.001402	6.39E-05	2.29E-04	3.44E-05	1.06E-04
3865	437893.5	3762702	0.000393	0.001339	6.10E-05	2.19E-04	3.29E-05	1.01E-04
3866	437893.5	3762693	0.000375	0.001277	5.82E-05	2.09E-04	3.13E-05	9.68E-05
3867	437923.5	3762711	0.000362	0.001235	5.63E-05	2.02E-04	3.03E-05	9.36E-05
3868	437923.5	3762702	0.000347	0.001183	5.39E-05	1.93E-04	2.90E-05	8.97E-05
3869	437923.5	3762693	0.000332	0.001133	5.16E-05	1.85E-04	2.78E-05	8.58E-05
3870	438013.5	3762711	0.000258	0.000878	4.00E-05	1.43E-04	2.16E-05	6.65E-05
3871	438013.5	3762702	0.000249	0.000848	3.86E-05	1.39E-04	2.08E-05	6.43E-05
3872	438013.5	3762693	0.00024	0.000818	3.73E-05	1.34E-04	2.01E-05	6.20E-05
3873	438043.5	3762711	0.000232	0.000793	3.61E-05	1.29E-04	1.95E-05	6.01E-05
3874	438043.5	3762702	0.000225	0.000767	3.50E-05	1.25E-04	1.88E-05	5.81E-05
3875	438043.5	3762693	0.000218	0.000742	3.38E-05	1.21E-04	1.82E-05	5.62E-05
3876	438083.5	3762720	0.000211	0.000718	3.27E-05	1.17E-04	1.76E-05	5.44E-05
3877	438083.5	3762711	0.000204	0.000697	3.18E-05	1.14E-04	1.71E-05	5.28E-05
3878	438123.5	3762684	0.000166	0.000565	2.57E-05	9.23E-05	1.39E-05	4.28E-05
3879	438123.5	3762675	0.000161	0.000548	2.50E-05	8.96E-05	1.35E-05	4.16E-05
3880	438163.5	3762711	0.000161	0.000549	2.50E-05	8.97E-05	1.35E-05	4.16E-05
3881	438163.5	3762702	0.000157	0.000535	2.44E-05	8.74E-05	1.31E-05	4.05E-05
3882	438163.5	3762693	0.000153	0.000521	2.37E-05	8.51E-05	1.28E-05	3.95E-05
3883	438163.5	3762684	0.000149	0.000507	2.31E-05	8.28E-05	1.24E-05	3.84E-05
3884	438163.5	3762675	0.000145	0.000493	2.25E-05	8.05E-05	1.21E-05	3.73E-05
3885	438203.5	3762711	0.000144	0.000492	2.24E-05	8.04E-05	1.21E-05	3.73E-05
3886	438203.5	3762702	0.000141	0.00048	2.19E-05	7.85E-05	1.18E-05	3.64E-05
3887	438203.5	3762693	0.000137	0.000469	2.13E-05	7.65E-05	1.15E-05	3.55E-05
3888	438203.5	3762684	0.000134	0.000457	2.08E-05	7.46E-05	1.12E-05	3.46E-05
3889	438203.5	3762675	0.00013	0.000445	2.03E-05	7.27E-05	1.09E-05	3.37E-05
3890	438243.5	3762711	0.00013	0.000443	2.02E-05	7.23E-05	1.09E-05	3.35E-05
3891	438243.5	3762702	0.000127	0.000434	1.98E-05	7.09E-05	1.07E-05	3.29E-05
3892	438243.5	3762693	0.000124	0.000424	1.93E-05	6.92E-05	1.04E-05	3.21E-05
3893	438243.5	3762684	0.000121	0.000414	1.88E-05	6.76E-05	1.02E-05	3.13E-05
3894	438243.5	3762675	0.000118	0.000404	1.84E-05	6.59E-05	9.91E-06	3.06E-05
3895	438283.5	3762711	0.000118	0.000403	1.84E-05	6.58E-05	9.89E-06	3.05E-05
3896	438283.5	3762702	0.000116	0.000394	1.80E-05	6.44E-05	9.67E-06	2.99E-05

3897	438283.5	3762693	0.000113	0.000385	1.76E-05	6.29E-05	9.46E-06	2.92E-05
3898	438283.5	3762684	0.00011	0.000377	1.72E-05	6.15E-05	9.24E-06	2.85E-05
3899	438283.5	3762675	0.000108	0.000368	1.68E-05	6.01E-05	9.03E-06	2.79E-05
3900	438323.5	3762711	0.000108	0.000367	1.67E-05	6.00E-05	9.01E-06	2.78E-05
3901	438323.5	3762702	0.000105	0.00036	1.64E-05	5.87E-05	8.83E-06	2.72E-05
3902	438323.5	3762693	0.000103	0.000352	1.60E-05	5.75E-05	8.64E-06	2.67E-05
3903	438323.5	3762684	0.000101	0.000345	1.57E-05	5.63E-05	8.46E-06	2.61E-05
3904	438323.5	3762675	9.89E-05	0.000337	1.54E-05	5.51E-05	8.28E-06	2.56E-05
3905	438403.5	3762711	9.07E-05	0.000309	1.41E-05	5.05E-05	7.59E-06	2.34E-05
3906	438403.5	3762702	8.9E-05	0.000303	1.38E-05	4.96E-05	7.45E-06	2.30E-05
3907	438403.5	3762693	8.73E-05	0.000298	1.36E-05	4.86E-05	7.30E-06	2.25E-05
3908	438403.5	3762684	8.56E-05	0.000292	1.33E-05	4.77E-05	7.16E-06	2.21E-05
3909	438403.5	3762675	8.39E-05	0.000286	1.30E-05	4.68E-05	7.03E-06	2.17E-05
3910	438443.5	3762711	8.36E-05	0.000285	1.30E-05	4.66E-05	7.00E-06	2.16E-05
3911	438443.5	3762702	8.22E-05	0.00028	1.28E-05	4.58E-05	6.88E-06	2.12E-05
3912	438443.5	3762693	8.07E-05	0.000275	1.25E-05	4.49E-05	6.75E-06	2.08E-05
3913	438443.5	3762684	7.92E-05	0.00027	1.23E-05	4.41E-05	6.63E-06	2.05E-05
3914	438443.5	3762675	7.77E-05	0.000265	1.21E-05	4.33E-05	6.50E-06	2.01E-05
3915	437433.5	3762665	0.001395	0.004756	2.17E-04	7.77E-04	1.17E-04	3.60E-04
3916	437423.6	3762665	0.001328	0.004527	2.06E-04	7.40E-04	1.11E-04	3.43E-04
3917	437413.7	3762665	0.001256	0.004281	1.95E-04	6.99E-04	1.05E-04	3.24E-04
3918	437403.8	3762665	0.00118	0.004025	1.83E-04	6.57E-04	9.88E-05	3.05E-04
3919	437393.9	3762665	0.001105	0.00377	1.72E-04	6.16E-04	9.25E-05	2.86E-04
3920	437433.5	3762655	0.00115	0.003921	1.79E-04	6.40E-04	9.62E-05	2.97E-04
3921	437423.6	3762655	0.001099	0.003748	1.71E-04	6.12E-04	9.20E-05	2.84E-04
3922	437413.7	3762655	0.001044	0.003561	1.62E-04	5.82E-04	8.74E-05	2.70E-04
3923	437403.8	3762655	0.000988	0.003368	1.53E-04	5.50E-04	8.27E-05	2.55E-04
3924	437393.9	3762655	0.000931	0.003173	1.45E-04	5.18E-04	7.79E-05	2.40E-04
3925	437433.4	3762645	0.000963	0.003284	1.50E-04	5.36E-04	8.06E-05	2.49E-04
3926	437423.6	3762645	0.000924	0.00315	1.44E-04	5.15E-04	7.73E-05	2.39E-04
3927	437413.7	3762645	0.000882	0.003007	1.37E-04	4.91E-04	7.38E-05	2.28E-04
3928	437403.8	3762645	0.000838	0.002859	1.30E-04	4.67E-04	7.02E-05	2.17E-04
3929	437393.9	3762645	0.000794	0.002709	1.23E-04	4.43E-04	6.65E-05	2.05E-04
3930	437433.4	3762635	0.000817	0.002786	1.27E-04	4.55E-04	6.84E-05	2.11E-04
3931	437423.5	3762635	0.000786	0.00268	1.22E-04	4.38E-04	6.58E-05	2.03E-04
3932	437413.6	3762635	0.000753	0.002569	1.17E-04	4.20E-04	6.31E-05	1.95E-04
3933	437403.7	3762635	0.00072	0.002454	1.12E-04	4.01E-04	6.02E-05	1.86E-04
3934	437393.8	3762635	0.000685	0.002338	1.07E-04	3.82E-04	5.74E-05	1.77E-04
3935	437433.4	3762625	0.000701	0.00239	1.09E-04	3.90E-04	5.87E-05	1.81E-04
3936	437423.5	3762625	0.000676	0.002306	1.05E-04	3.77E-04	5.66E-05	1.75E-04
3937	437413.6	3762625	0.000651	0.002218	1.01E-04	3.62E-04	5.45E-05	1.68E-04
3938	437403.7	3762625	0.000624	0.002128	9.70E-05	3.48E-04	5.22E-05	1.61E-04
3939	437393.8	3762625	0.000597	0.002036	9.28E-05	3.33E-04	5.00E-05	1.54E-04
3940	437433.3	3762615	0.000608	0.002073	9.45E-05	3.39E-04	5.09E-05	1.57E-04
3941	437423.4	3762615	0.000588	0.002006	9.14E-05	3.28E-04	4.92E-05	1.52E-04
3942	437413.5	3762615	0.000567	0.001935	8.82E-05	3.16E-04	4.75E-05	1.47E-04
3943	437403.6	3762615	0.000546	0.001863	8.49E-05	3.04E-04	4.57E-05	1.41E-04
3944	437393.8	3762615	0.000525	0.00179	8.15E-05	2.92E-04	4.39E-05	1.36E-04
3945	437433.3	3762605	0.000532	0.001814	8.27E-05	2.96E-04	4.45E-05	1.37E-04
3946	437423.4	3762605	0.000516	0.00176	8.02E-05	2.87E-04	4.32E-05	1.33E-04
3947	437413.5	3762605	0.000499	0.001702	7.76E-05	2.78E-04	4.18E-05	1.29E-04
3948	437403.6	3762605	0.000482	0.001644	7.49E-05	2.69E-04	4.04E-05	1.25E-04

3949	437393.7	3762605	0.000465	0.001585	7.22E-05	2.59E-04	3.89E-05	1.20E-04
3950	437475.6	3762608	0.000616	0.002102	9.58E-05	3.43E-04	5.16E-05	1.59E-04
3951	437433.3	3762595	0.000469	0.001601	7.29E-05	2.61E-04	3.93E-05	1.21E-04
3952	437423.4	3762595	0.000456	0.001555	7.09E-05	2.54E-04	3.82E-05	1.18E-04
3953	437413.5	3762595	0.000442	0.001509	6.87E-05	2.46E-04	3.70E-05	1.14E-04
3954	437403.6	3762595	0.000428	0.001461	6.66E-05	2.39E-04	3.59E-05	1.11E-04
3955	437393.7	3762595	0.000414	0.001412	6.44E-05	2.31E-04	3.47E-05	1.07E-04
3956	437433.2	3762585	0.000417	0.001421	6.47E-05	2.32E-04	3.49E-05	1.08E-04
3957	437423.3	3762585	0.000406	0.001384	6.30E-05	2.26E-04	3.40E-05	1.05E-04
3958	437413.4	3762585	0.000394	0.001345	6.13E-05	2.20E-04	3.30E-05	1.02E-04
3959	437403.5	3762585	0.000383	0.001306	5.95E-05	2.13E-04	3.20E-05	9.89E-05
3960	437393.6	3762585	0.000371	0.001266	5.77E-05	2.07E-04	3.11E-05	9.59E-05
3961	437478.6	3762589	0.000486	0.001658	7.55E-05	2.71E-04	4.07E-05	1.26E-04
3962	437433.2	3762575	0.000372	0.001269	5.78E-05	2.07E-04	3.11E-05	9.61E-05
3963	437423.3	3762575	0.000363	0.001238	5.64E-05	2.02E-04	3.04E-05	9.38E-05
3964	437413.4	3762575	0.000354	0.001206	5.49E-05	1.97E-04	2.96E-05	9.14E-05
3965	437403.5	3762575	0.000344	0.001173	5.35E-05	1.92E-04	2.88E-05	8.89E-05
3966	437393.6	3762575	0.000334	0.00114	5.20E-05	1.86E-04	2.80E-05	8.64E-05
3967	437477.1	3762569	0.000382	0.001301	5.93E-05	2.13E-04	3.19E-05	9.86E-05
3968	437433.1	3762555	0.000302	0.001028	4.69E-05	1.68E-04	2.52E-05	7.79E-05
3969	437423.2	3762555	0.000295	0.001006	4.58E-05	1.64E-04	2.47E-05	7.62E-05
3970	437413.3	3762555	0.000288	0.000983	4.48E-05	1.61E-04	2.41E-05	7.45E-05
3971	437403.4	3762555	0.000282	0.00096	4.38E-05	1.57E-04	2.36E-05	7.28E-05
3972	437393.5	3762555	0.000275	0.000937	4.27E-05	1.53E-04	2.30E-05	7.10E-05
3973	437479	3762549	0.000313	0.001068	4.87E-05	1.74E-04	2.62E-05	8.09E-05
3974	437524.2	3762568	0.000401	0.001369	6.24E-05	2.24E-04	3.36E-05	1.04E-04
3975	437533.2	3762572	0.00042	0.001432	6.53E-05	2.34E-04	3.52E-05	1.09E-04
3976	437433	3762535	0.000249	0.000849	3.87E-05	1.39E-04	2.08E-05	6.44E-05
3977	437423.1	3762535	0.000244	0.000832	3.79E-05	1.36E-04	2.04E-05	6.31E-05
3978	437413.2	3762535	0.000239	0.000816	3.72E-05	1.33E-04	2.00E-05	6.18E-05
3979	437403.3	3762535	0.000234	0.000799	3.64E-05	1.30E-04	1.96E-05	6.05E-05
3980	437393.4	3762535	0.000229	0.000782	3.56E-05	1.28E-04	1.92E-05	5.93E-05
3981	437477.8	3762529	0.000257	0.000876	3.99E-05	1.43E-04	2.15E-05	6.63E-05
3982	437530.2	3762551	0.000336	0.001145	5.22E-05	1.87E-04	2.81E-05	8.68E-05
3983	437432.9	3762515	0.000209	0.000713	3.25E-05	1.16E-04	1.75E-05	5.40E-05
3984	437423.1	3762515	0.000205	0.0007	3.19E-05	1.14E-04	1.72E-05	5.30E-05
3985	437413.2	3762515	0.000202	0.000687	3.13E-05	1.12E-04	1.69E-05	5.21E-05
3986	437403.3	3762515	0.000198	0.000674	3.07E-05	1.10E-04	1.65E-05	5.11E-05
3987	437393.4	3762515	0.000194	0.000661	3.01E-05	1.08E-04	1.62E-05	5.01E-05
3988	437479.3	3762510	0.000217	0.000739	3.37E-05	1.21E-04	1.81E-05	5.60E-05
3989	437524.9	3762528	0.000271	0.000923	4.21E-05	1.51E-04	2.27E-05	6.99E-05
3990	437432.9	3762495	0.000178	0.000606	2.76E-05	9.90E-05	1.49E-05	4.59E-05
3991	437423	3762495	0.000175	0.000596	2.72E-05	9.74E-05	1.46E-05	4.52E-05
3992	437413.1	3762495	0.000172	0.000586	2.67E-05	9.57E-05	1.44E-05	4.44E-05
3993	437403.2	3762495	0.000169	0.000576	2.62E-05	9.41E-05	1.41E-05	4.36E-05
3994	437393.3	3762495	0.000166	0.000566	2.58E-05	9.25E-05	1.39E-05	4.29E-05
3995	437478.2	3762489	0.000183	0.000624	2.84E-05	1.02E-04	1.53E-05	4.73E-05
3996	437531.4	3762511	0.000234	0.000797	3.63E-05	1.30E-04	1.96E-05	6.04E-05
3997	437610.4	3762595	0.000511	0.001742	7.94E-05	2.85E-04	4.28E-05	1.32E-04
3998	437617.7	3762613	0.00061	0.00208	9.48E-05	3.40E-04	5.11E-05	1.58E-04
3999	437632.4	3762648	0.000881	0.003005	1.37E-04	4.91E-04	7.38E-05	2.28E-04
4000	437432.8	3762475	0.000153	0.000521	2.37E-05	8.51E-05	1.28E-05	3.95E-05

4001	437422.9	3762475	0.00015	0.000513	2.34E-05	8.38E-05	1.26E-05	3.89E-05
4002	437413	3762475	0.000148	0.000505	2.30E-05	8.25E-05	1.24E-05	3.83E-05
4003	437403.1	3762475	0.000146	0.000497	2.27E-05	8.12E-05	1.22E-05	3.77E-05
4004	437393.2	3762475	0.000144	0.00049	2.23E-05	8.00E-05	1.20E-05	3.71E-05
4005	437477.3	3762469	0.000156	0.000534	2.43E-05	8.72E-05	1.31E-05	4.04E-05
4006	437529.3	3762490	0.000196	0.00067	3.05E-05	1.09E-04	1.64E-05	5.08E-05
4007	437623.9	3762579	0.000425	0.001448	6.60E-05	2.37E-04	3.56E-05	1.10E-04
4008	437645.5	3762631	0.000687	0.002342	1.07E-04	3.83E-04	5.75E-05	1.77E-04
4009	437432.7	3762455	0.000133	0.000452	2.06E-05	7.38E-05	1.11E-05	3.43E-05
4010	437422.8	3762455	0.000131	0.000446	2.03E-05	7.28E-05	1.09E-05	3.38E-05
4011	437412.9	3762455	0.000129	0.000439	2.00E-05	7.18E-05	1.08E-05	3.33E-05
4012	437403	3762455	0.000127	0.000433	1.97E-05	7.07E-05	1.06E-05	3.28E-05
4013	437393.1	3762455	0.000125	0.000427	1.95E-05	6.97E-05	1.05E-05	3.23E-05
4014	437478.4	3762449	0.000136	0.000465	2.12E-05	7.59E-05	1.14E-05	3.52E-05
4015	437523.2	3762468	0.000164	0.00056	2.55E-05	9.16E-05	1.38E-05	4.25E-05
4016	437532.2	3762471	0.00017	0.000581	2.65E-05	9.49E-05	1.43E-05	4.40E-05
4017	437616.6	3762514	0.000241	0.000821	3.74E-05	1.34E-04	2.02E-05	6.22E-05
4018	437627.7	3762540	0.000297	0.001012	4.61E-05	1.65E-04	2.48E-05	7.67E-05
4019	437657.4	3762612	0.000537	0.001832	8.35E-05	2.99E-04	4.50E-05	1.39E-04
4020	437432.6	3762435	0.000116	0.000396	1.80E-05	6.46E-05	9.71E-06	3.00E-05
4021	437422.7	3762435	0.000114	0.00039	1.78E-05	6.38E-05	9.58E-06	2.96E-05
4022	437412.9	3762435	0.000113	0.000385	1.76E-05	6.29E-05	9.46E-06	2.92E-05
4023	437403	3762435	0.000111	0.00038	1.73E-05	6.21E-05	9.33E-06	2.88E-05
4024	437393.1	3762435	0.00011	0.000375	1.71E-05	6.13E-05	9.21E-06	2.84E-05
4025	437477.6	3762429	0.000119	0.000405	1.85E-05	6.62E-05	9.95E-06	3.07E-05
4026	437530.3	3762451	0.000147	0.0005	2.28E-05	8.16E-05	1.23E-05	3.79E-05
4027	437641.5	3762526	0.000259	0.000882	4.02E-05	1.44E-04	2.16E-05	6.68E-05
4028	437659.7	3762569	0.00036	0.001227	5.59E-05	2.00E-04	3.01E-05	9.30E-05
4029	437674.3	3762604	0.000473	0.001614	7.36E-05	2.64E-04	3.96E-05	1.22E-04
4030	437681.6	3762622	0.000544	0.001856	8.46E-05	3.03E-04	4.56E-05	1.41E-04
4031	437432.6	3762415	0.000102	0.000349	1.59E-05	5.70E-05	8.57E-06	2.64E-05
4032	437422.7	3762415	0.000101	0.000345	1.57E-05	5.63E-05	8.46E-06	2.61E-05
4033	437412.8	3762415	9.98E-05	0.00034	1.55E-05	5.56E-05	8.35E-06	2.58E-05
4034	437402.9	3762415	9.86E-05	0.000336	1.53E-05	5.49E-05	8.25E-06	2.55E-05
4035	437393	3762415	9.74E-05	0.000332	1.51E-05	5.43E-05	8.15E-06	2.52E-05
4036	437460.4	3762402	9.83E-05	0.000335	1.53E-05	5.48E-05	8.23E-06	2.54E-05
4037	437469.5	3762406	0.000102	0.000347	1.58E-05	5.66E-05	8.51E-06	2.63E-05
4038	437478.5	3762409	0.000105	0.000359	1.63E-05	5.86E-05	8.80E-06	2.72E-05
4039	437523.7	3762428	0.000125	0.000426	1.94E-05	6.96E-05	1.05E-05	3.23E-05
4040	437532.7	3762432	0.000129	0.00044	2.01E-05	7.19E-05	1.08E-05	3.34E-05
4041	437656	3762512	0.00023	0.000784	3.57E-05	1.28E-04	1.92E-05	5.94E-05
4042	437686	3762584	0.000383	0.001306	5.95E-05	2.13E-04	3.21E-05	9.89E-05
4043	437432.5	3762395	9.09E-05	0.00031	1.41E-05	5.06E-05	7.61E-06	2.35E-05
4044	437422.6	3762395	8.98E-05	0.000306	1.40E-05	5.00E-05	7.52E-06	2.32E-05
4045	437412.7	3762395	8.88E-05	0.000303	1.38E-05	4.95E-05	7.43E-06	2.29E-05
4046	437402.8	3762395	8.78E-05	0.000299	1.36E-05	4.89E-05	7.35E-06	2.27E-05
4047	437392.9	3762395	8.68E-05	0.000296	1.35E-05	4.83E-05	7.26E-06	2.24E-05
4048	437451.2	3762378	8.48E-05	0.000289	1.32E-05	4.72E-05	7.09E-06	2.19E-05
4049	437504.4	3762400	0.000103	0.00035	1.59E-05	5.72E-05	8.59E-06	2.65E-05
4050	437513.3	3762404	0.000106	0.000361	1.65E-05	5.90E-05	8.87E-06	2.74E-05
4051	437522.1	3762407	0.000109	0.000373	1.70E-05	6.10E-05	9.16E-06	2.83E-05
4052	437531	3762411	0.000113	0.000385	1.76E-05	6.29E-05	9.46E-06	2.92E-05

4053	437658.9	3762471	0.000172	0.000587	2.67E-05	9.58E-05	1.44E-05	4.45E-05
4054	437703	3762577	0.000344	0.001173	5.35E-05	1.92E-04	2.88E-05	8.89E-05
4055	437442.3	3762375	8.22E-05	0.00028	1.28E-05	4.58E-05	6.88E-06	2.12E-05
4056	437432.4	3762375	8.13E-05	0.000277	1.26E-05	4.53E-05	6.80E-06	2.10E-05
4057	437422.5	3762375	8.03E-05	0.000274	1.25E-05	4.48E-05	6.73E-06	2.08E-05
4058	437412.6	3762375	7.95E-05	0.000271	1.23E-05	4.43E-05	6.65E-06	2.05E-05
4059	437402.7	3762375	7.86E-05	0.000268	1.22E-05	4.38E-05	6.58E-06	2.03E-05
4060	437392.8	3762375	7.78E-05	0.000265	1.21E-05	4.33E-05	6.51E-06	2.01E-05
4061	437451.2	3762348	7.22E-05	0.000246	1.12E-05	4.02E-05	6.05E-06	1.87E-05
4062	437505.2	3762371	8.66E-05	0.000295	1.35E-05	4.83E-05	7.25E-06	2.24E-05
4063	437514.2	3762374	8.93E-05	0.000305	1.39E-05	4.98E-05	7.48E-06	2.31E-05
4064	437523.2	3762378	9.21E-05	0.000314	1.43E-05	5.13E-05	7.71E-06	2.38E-05
4065	437532.3	3762382	9.5E-05	0.000324	1.48E-05	5.29E-05	7.95E-06	2.45E-05
4066	437683.8	3762459	0.000156	0.000532	2.42E-05	8.69E-05	1.31E-05	4.03E-05
4067	437706.2	3762513	0.000214	0.000729	3.32E-05	1.19E-04	1.79E-05	5.53E-05
4068	437713.7	3762531	0.000238	0.000812	3.70E-05	1.33E-04	1.99E-05	6.15E-05
4069	437442.2	3762345	7.02E-05	0.000239	1.09E-05	3.91E-05	5.87E-06	1.81E-05
4070	437432.3	3762345	6.94E-05	0.000237	1.08E-05	3.87E-05	5.81E-06	1.79E-05
4071	437422.4	3762345	6.87E-05	0.000234	1.07E-05	3.83E-05	5.75E-06	1.77E-05
4072	437412.5	3762345	6.8E-05	0.000232	1.06E-05	3.79E-05	5.69E-06	1.76E-05
4073	437402.6	3762345	6.73E-05	0.00023	1.05E-05	3.75E-05	5.63E-06	1.74E-05
4074	437392.7	3762345	6.67E-05	0.000227	1.04E-05	3.71E-05	5.58E-06	1.72E-05
4075	437451.2	3762318	6.23E-05	0.000213	9.68E-06	3.47E-05	5.22E-06	1.61E-05
4076	437505.9	3762341	7.4E-05	0.000252	1.15E-05	4.12E-05	6.20E-06	1.91E-05
4077	437515.1	3762345	7.62E-05	0.00026	1.18E-05	4.25E-05	6.38E-06	1.97E-05
4078	437524.2	3762348	7.85E-05	0.000268	1.22E-05	4.37E-05	6.57E-06	2.03E-05
4079	437701.3	3762429	0.000129	0.000439	2.00E-05	7.18E-05	1.08E-05	3.33E-05
4080	437705.1	3762438	0.000135	0.000461	2.10E-05	7.53E-05	1.13E-05	3.49E-05
4081	437720.2	3762474	0.000164	0.00056	2.55E-05	9.14E-05	1.37E-05	4.24E-05
4082	437742.9	3762529	0.000221	0.000753	3.43E-05	1.23E-04	1.85E-05	5.70E-05
4083	437761.8	3762574	0.000284	0.00097	4.42E-05	1.58E-04	2.38E-05	7.35E-05
4084	437769.4	3762593	0.000316	0.001076	4.90E-05	1.76E-04	2.64E-05	8.15E-05
4085	437777	3762611	0.00035	0.001195	5.44E-05	1.95E-04	2.93E-05	9.05E-05
4086	437442.1	3762315	6.06E-05	0.000207	9.42E-06	3.38E-05	5.07E-06	1.57E-05
4087	437432.2	3762315	6E-05	0.000205	9.33E-06	3.34E-05	5.02E-06	1.55E-05
4088	437422.3	3762315	5.94E-05	0.000203	9.23E-06	3.31E-05	4.97E-06	1.54E-05
4089	437412.4	3762315	5.89E-05	0.000201	9.14E-06	3.28E-05	4.93E-06	1.52E-05
4090	437402.5	3762315	5.83E-05	0.000199	9.06E-06	3.25E-05	4.88E-06	1.51E-05
4091	437392.6	3762315	5.78E-05	0.000197	8.98E-06	3.22E-05	4.84E-06	1.49E-05
4092	437450.9	3762288	5.43E-05	0.000185	8.44E-06	3.02E-05	4.54E-06	1.40E-05
4093	437504.4	3762310	6.36E-05	0.000217	9.89E-06	3.54E-05	5.33E-06	1.64E-05
4094	437513.4	3762314	6.54E-05	0.000223	1.02E-05	3.64E-05	5.47E-06	1.69E-05
4095	437522.3	3762318	6.72E-05	0.000229	1.04E-05	3.74E-05	5.62E-06	1.74E-05
4096	437531.2	3762321	6.9E-05	0.000235	1.07E-05	3.84E-05	5.78E-06	1.78E-05
4097	437726.1	3762416	0.000118	0.000402	1.83E-05	6.57E-05	9.87E-06	3.05E-05
4098	437740.9	3762452	0.00014	0.000479	2.18E-05	7.82E-05	1.17E-05	3.63E-05
4099	437755.7	3762487	0.000167	0.000571	2.60E-05	9.33E-05	1.40E-05	4.33E-05
4100	437442	3762285	5.29E-05	0.000181	8.23E-06	2.95E-05	4.43E-06	1.37E-05
4101	437432.1	3762285	5.24E-05	0.000179	8.15E-06	2.92E-05	4.39E-06	1.35E-05
4102	437422.2	3762285	5.19E-05	0.000177	8.07E-06	2.89E-05	4.35E-06	1.34E-05
4103	437412.3	3762285	5.15E-05	0.000175	8.00E-06	2.87E-05	4.31E-06	1.33E-05
4104	437402.4	3762285	5.1E-05	0.000174	7.93E-06	2.84E-05	4.27E-06	1.32E-05

4105	437392.5	3762285	5.06E-05	0.000172	7.86E-06	2.82E-05	4.23E-06	1.31E-05
4106	437450.9	3762258	4.78E-05	0.000163	7.43E-06	2.66E-05	4.00E-06	1.24E-05
4107	437505.1	3762281	5.56E-05	0.00019	8.64E-06	3.10E-05	4.65E-06	1.44E-05
4108	437514.1	3762284	5.71E-05	0.000195	8.87E-06	3.18E-05	4.78E-06	1.47E-05
4109	437523.1	3762288	5.86E-05	0.0002	9.10E-06	3.26E-05	4.90E-06	1.51E-05
4110	437532.2	3762292	6.01E-05	0.000205	9.34E-06	3.35E-05	5.03E-06	1.55E-05
4111	437747.4	3762395	0.000104	0.000355	1.62E-05	5.79E-05	8.71E-06	2.69E-05
4112	437762.3	3762431	0.000122	0.000418	1.90E-05	6.82E-05	1.02E-05	3.16E-05
4113	437777.3	3762467	0.000144	0.000492	2.24E-05	8.04E-05	1.21E-05	3.73E-05
4114	437441.8	3762255	4.67E-05	0.000159	7.25E-06	2.60E-05	3.91E-06	1.21E-05
4115	437431.9	3762255	4.62E-05	0.000158	7.18E-06	2.58E-05	3.87E-06	1.19E-05
4116	437422.1	3762255	4.58E-05	0.000156	7.12E-06	2.55E-05	3.84E-06	1.18E-05
4117	437412.2	3762255	4.54E-05	0.000155	7.06E-06	2.53E-05	3.80E-06	1.17E-05
4118	437402.3	3762255	4.5E-05	0.000154	7.00E-06	2.51E-05	3.77E-06	1.16E-05
4119	437392.4	3762255	4.47E-05	0.000152	6.94E-06	2.49E-05	3.74E-06	1.15E-05
4120	437450.8	3762228	4.24E-05	0.000145	6.60E-06	2.36E-05	3.55E-06	1.10E-05
4121	437505.6	3762251	4.9E-05	0.000167	7.62E-06	2.73E-05	4.10E-06	1.27E-05
4122	437514.7	3762255	5.03E-05	0.000171	7.81E-06	2.80E-05	4.21E-06	1.30E-05
4123	437523.8	3762258	5.15E-05	0.000176	8.01E-06	2.87E-05	4.31E-06	1.33E-05
4124	437768.6	3762374	9.25E-05	0.000315	1.44E-05	5.15E-05	7.74E-06	2.39E-05
4125	437783.7	3762410	0.000108	0.000367	1.67E-05	6.00E-05	9.02E-06	2.78E-05
4126	437798.9	3762447	0.000126	0.000429	1.95E-05	7.00E-05	1.05E-05	3.25E-05
4127	437441.7	3762225	4.15E-05	0.000141	6.45E-06	2.31E-05	3.47E-06	1.07E-05
4128	437431.8	3762225	4.11E-05	0.00014	6.39E-06	2.29E-05	3.44E-06	1.06E-05
4129	437421.9	3762225	4.08E-05	0.000139	6.33E-06	2.27E-05	3.41E-06	1.05E-05
4130	437412	3762225	4.04E-05	0.000138	6.28E-06	2.25E-05	3.38E-06	1.04E-05
4131	437402.2	3762225	4.01E-05	0.000137	6.23E-06	2.23E-05	3.36E-06	1.04E-05
4132	437392.3	3762225	3.98E-05	0.000136	6.18E-06	2.22E-05	3.33E-06	1.03E-05
4133	437450.6	3762198	3.8E-05	0.000129	5.90E-06	2.11E-05	3.18E-06	9.81E-06
4134	437504.4	3762220	4.34E-05	0.000148	6.74E-06	2.42E-05	3.63E-06	1.12E-05
4135	437513.3	3762224	4.44E-05	0.000152	6.90E-06	2.47E-05	3.72E-06	1.15E-05
4136	437522.3	3762228	4.55E-05	0.000155	7.07E-06	2.53E-05	3.81E-06	1.18E-05
4137	437789.6	3762352	8.26E-05	0.000282	1.28E-05	4.60E-05	6.92E-06	2.14E-05
4138	437804.5	3762388	9.5E-05	0.000324	1.48E-05	5.29E-05	7.95E-06	2.46E-05
4139	437819.4	3762424	0.000109	0.000373	1.70E-05	6.10E-05	9.16E-06	2.83E-05
4140	437441.6	3762195	3.72E-05	0.000127	5.77E-06	2.07E-05	3.11E-06	9.60E-06
4141	437431.7	3762195	3.68E-05	0.000126	5.73E-06	2.05E-05	3.08E-06	9.52E-06
4142	437421.8	3762195	3.65E-05	0.000125	5.68E-06	2.04E-05	3.06E-06	9.44E-06
4143	437411.9	3762195	3.63E-05	0.000124	5.63E-06	2.02E-05	3.03E-06	9.37E-06
4144	437402	3762195	3.6E-05	0.000123	5.59E-06	2.00E-05	3.01E-06	9.30E-06
4145	437392.1	3762195	3.57E-05	0.000122	5.55E-06	1.99E-05	2.99E-06	9.23E-06
4146	437450.5	3762168	3.42E-05	0.000117	5.32E-06	1.91E-05	2.86E-06	8.84E-06
4147	437504.8	3762191	3.89E-05	0.000133	6.04E-06	2.17E-05	3.26E-06	1.01E-05
4148	437513.9	3762194	3.98E-05	0.000136	6.18E-06	2.22E-05	3.33E-06	1.03E-05
4149	437522.9	3762198	4.07E-05	0.000139	6.32E-06	2.27E-05	3.40E-06	1.05E-05
4150	437810.9	3762331	7.45E-05	0.000254	1.16E-05	4.15E-05	6.23E-06	1.92E-05
4151	437825.9	3762368	8.5E-05	0.00029	1.32E-05	4.73E-05	7.11E-06	2.20E-05
4152	437840.9	3762404	9.7E-05	0.000331	1.51E-05	5.41E-05	8.12E-06	2.51E-05
4153	437923.4	3762602	0.000209	0.000713	3.25E-05	1.17E-04	1.75E-05	5.41E-05
4154	437441.5	3762165	3.35E-05	0.000114	5.21E-06	1.87E-05	2.81E-06	8.66E-06
4155	437431.6	3762165	3.33E-05	0.000113	5.17E-06	1.85E-05	2.78E-06	8.59E-06
4156	437421.7	3762165	3.3E-05	0.000113	5.13E-06	1.84E-05	2.76E-06	8.52E-06

4157	437411.8	3762165	3.27E-05	0.000112	5.09E-06	1.82E-05	2.74E-06	8.46E-06
4158	437401.9	3762165	3.25E-05	0.000111	5.05E-06	1.81E-05	2.72E-06	8.40E-06
4159	437392	3762165	3.23E-05	0.00011	5.01E-06	1.80E-05	2.70E-06	8.34E-06
4160	437450.5	3762138	3.1E-05	0.000106	4.82E-06	1.73E-05	2.60E-06	8.02E-06
4161	437505.2	3762161	3.51E-05	0.00012	5.46E-06	1.96E-05	2.94E-06	9.07E-06
4162	437514.4	3762165	3.59E-05	0.000122	5.57E-06	2.00E-05	3.00E-06	9.27E-06
4163	437523.5	3762168	3.67E-05	0.000125	5.69E-06	2.04E-05	3.07E-06	9.47E-06
4164	437832.1	3762310	6.75E-05	0.00023	1.05E-05	3.76E-05	5.65E-06	1.74E-05
4165	437847.3	3762347	7.65E-05	0.000261	1.19E-05	4.26E-05	6.40E-06	1.98E-05
4166	437862.4	3762383	8.67E-05	0.000296	1.35E-05	4.83E-05	7.26E-06	2.24E-05
4167	437441.4	3762135	3.04E-05	0.000104	4.73E-06	1.70E-05	2.55E-06	7.86E-06
4168	437431.5	3762135	3.02E-05	0.000103	4.69E-06	1.68E-05	2.53E-06	7.80E-06
4169	437421.6	3762135	3E-05	0.000102	4.66E-06	1.67E-05	2.51E-06	7.74E-06
4170	437411.7	3762135	2.97E-05	0.000101	4.62E-06	1.66E-05	2.49E-06	7.69E-06
4171	437401.8	3762135	2.95E-05	0.000101	4.59E-06	1.65E-05	2.47E-06	7.63E-06
4172	437391.9	3762135	2.93E-05	0.0001	4.56E-06	1.63E-05	2.45E-06	7.58E-06
4173	437450.3	3762108	2.83E-05	9.65E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
4174	437504.2	3762131	3.18E-05	0.000108	4.94E-06	1.77E-05	2.66E-06	8.21E-06
4175	437513.2	3762134	3.24E-05	0.000111	5.04E-06	1.81E-05	2.71E-06	8.38E-06
4176	437522.2	3762138	3.31E-05	0.000113	5.14E-06	1.84E-05	2.77E-06	8.55E-06
4177	437853.2	3762289	6.15E-05	0.00021	9.55E-06	3.42E-05	5.15E-06	1.59E-05
4178	437868.1	3762325	6.9E-05	0.000235	1.07E-05	3.84E-05	5.77E-06	1.78E-05
4179	437883	3762361	7.74E-05	0.000264	1.20E-05	4.31E-05	6.48E-06	2.00E-05
4180	437441.3	3762105	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.18E-06
4181	437431.4	3762105	2.76E-05	9.4E-05	4.28E-06	1.54E-05	2.31E-06	7.13E-06
4182	437421.5	3762105	2.74E-05	9.33E-05	4.25E-06	1.52E-05	2.29E-06	7.07E-06
4183	437411.6	3762105	2.72E-05	9.27E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
4184	437401.7	3762105	2.7E-05	9.2E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
4185	437391.8	3762105	2.68E-05	9.14E-05	4.17E-06	1.49E-05	2.24E-06	6.93E-06
4186	437486.4	3762093	2.8E-05	9.53E-05	4.34E-06	1.56E-05	2.34E-06	7.22E-06
4187	437495.5	3762097	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
4188	437504.6	3762101	2.9E-05	9.9E-05	4.51E-06	1.62E-05	2.43E-06	7.50E-06
4189	437513.6	3762104	2.96E-05	0.000101	4.60E-06	1.65E-05	2.48E-06	7.65E-06
4190	437522.7	3762108	3.02E-05	0.000103	4.69E-06	1.68E-05	2.53E-06	7.80E-06
4191	437889.4	3762304	6.28E-05	0.000214	9.76E-06	3.50E-05	5.26E-06	1.62E-05
4192	437904.5	3762340	7.01E-05	0.000239	1.09E-05	3.91E-05	5.87E-06	1.81E-05
4193	437921.5	3762285	5.73E-05	0.000195	8.90E-06	3.19E-05	4.80E-06	1.48E-05
4194	437925.3	3762294	5.88E-05	0.0002	9.13E-06	3.27E-05	4.92E-06	1.52E-05
4195	437936.6	3762321	6.34E-05	0.000216	9.85E-06	3.53E-05	5.31E-06	1.64E-05
4196	437940.3	3762330	6.5E-05	0.000222	1.01E-05	3.62E-05	5.44E-06	1.68E-05
4197	438002.6	3762384	7.14E-05	0.000243	1.11E-05	3.98E-05	5.97E-06	1.84E-05
4198	438006.4	3762393	7.31E-05	0.000249	1.14E-05	4.07E-05	6.12E-06	1.89E-05
4199	438010.2	3762402	7.49E-05	0.000255	1.16E-05	4.17E-05	6.27E-06	1.93E-05
4200	438014	3762411	7.67E-05	0.000262	1.19E-05	4.27E-05	6.42E-06	1.98E-05
4201	438017.7	3762420	7.86E-05	0.000268	1.22E-05	4.38E-05	6.58E-06	2.03E-05
4202	438021.5	3762429	8.06E-05	0.000275	1.25E-05	4.49E-05	6.75E-06	2.08E-05
4203	438025.3	3762438	8.26E-05	0.000282	1.28E-05	4.60E-05	6.92E-06	2.14E-05
4204	438029.1	3762447	8.48E-05	0.000289	1.32E-05	4.72E-05	7.10E-06	2.19E-05
4205	438032.8	3762457	8.7E-05	0.000297	1.35E-05	4.84E-05	7.28E-06	2.25E-05
4206	438036.6	3762466	8.93E-05	0.000304	1.39E-05	4.97E-05	7.47E-06	2.31E-05
4207	438040.4	3762475	9.16E-05	0.000312	1.42E-05	5.10E-05	7.67E-06	2.37E-05
4208	438044.2	3762484	9.41E-05	0.000321	1.46E-05	5.24E-05	7.88E-06	2.43E-05

4209	438047.9	3762493	9.66E-05	0.00033	1.50E-05	5.38E-05	8.09E-06	2.50E-05
4210	438051.7	3762502	9.93E-05	0.000339	1.54E-05	5.53E-05	8.31E-06	2.57E-05
4211	438055.5	3762511	0.000102	0.000348	1.59E-05	5.68E-05	8.54E-06	2.64E-05
4212	438059.3	3762520	0.000105	0.000357	1.63E-05	5.84E-05	8.77E-06	2.71E-05
4213	438063	3762529	0.000108	0.000367	1.67E-05	6.00E-05	9.02E-06	2.78E-05
4214	438066.8	3762538	0.000111	0.000377	1.72E-05	6.17E-05	9.27E-06	2.86E-05
4215	438070.6	3762547	0.000114	0.000388	1.77E-05	6.34E-05	9.52E-06	2.94E-05
4216	438074.4	3762556	0.000117	0.000398	1.82E-05	6.51E-05	9.78E-06	3.02E-05
4217	438078.2	3762566	0.00012	0.000409	1.86E-05	6.68E-05	1.00E-05	3.10E-05
4218	438081.9	3762575	0.000123	0.00042	1.91E-05	6.86E-05	1.03E-05	3.18E-05
4219	438085.7	3762584	0.000127	0.000432	1.97E-05	7.05E-05	1.06E-05	3.27E-05
4220	438089.5	3762593	0.00013	0.000443	2.02E-05	7.24E-05	1.09E-05	3.36E-05
4221	438093.3	3762602	0.000133	0.000455	2.07E-05	7.43E-05	1.12E-05	3.45E-05
4222	438097	3762611	0.000137	0.000467	2.13E-05	7.62E-05	1.15E-05	3.54E-05
4223	438100.8	3762620	0.00014	0.000478	2.18E-05	7.82E-05	1.17E-05	3.63E-05
4224	438104.6	3762629	0.000144	0.00049	2.23E-05	8.01E-05	1.20E-05	3.72E-05
4225	438108.4	3762638	0.000147	0.000502	2.29E-05	8.20E-05	1.23E-05	3.81E-05
4226	438112.1	3762647	0.000151	0.000514	2.34E-05	8.40E-05	1.26E-05	3.90E-05
4227	438115.9	3762656	0.000154	0.000526	2.40E-05	8.59E-05	1.29E-05	3.98E-05
4228	438119.7	3762666	0.000158	0.000537	2.45E-05	8.78E-05	1.32E-05	4.07E-05
4229	437981.9	3762237	4.73E-05	0.000161	7.35E-06	2.63E-05	3.96E-06	1.22E-05
4230	437985.6	3762247	4.83E-05	0.000165	7.51E-06	2.69E-05	4.04E-06	1.25E-05
4231	437997	3762274	5.16E-05	0.000176	8.02E-06	2.87E-05	4.32E-06	1.33E-05
4232	438000.8	3762283	5.28E-05	0.00018	8.20E-06	2.94E-05	4.42E-06	1.36E-05
4233	438004.6	3762292	5.39E-05	0.000184	8.38E-06	3.00E-05	4.51E-06	1.39E-05
4234	438008.3	3762301	5.51E-05	0.000188	8.56E-06	3.07E-05	4.61E-06	1.42E-05
4235	438012.1	3762310	5.63E-05	0.000192	8.75E-06	3.14E-05	4.72E-06	1.46E-05
4236	438015.9	3762319	5.76E-05	0.000196	8.95E-06	3.21E-05	4.82E-06	1.49E-05
4237	438019.7	3762329	5.89E-05	0.000201	9.14E-06	3.28E-05	4.93E-06	1.52E-05
4238	438042.4	3762383	6.72E-05	0.000229	1.04E-05	3.74E-05	5.63E-06	1.74E-05
4239	438046.2	3762392	6.88E-05	0.000234	1.07E-05	3.83E-05	5.75E-06	1.78E-05
4240	438050	3762401	7.03E-05	0.00024	1.09E-05	3.92E-05	5.89E-06	1.82E-05
4241	438053.7	3762410	7.2E-05	0.000245	1.12E-05	4.01E-05	6.02E-06	1.86E-05
4242	438057.5	3762420	7.37E-05	0.000251	1.14E-05	4.10E-05	6.17E-06	1.90E-05
4243	438061.3	3762429	7.54E-05	0.000257	1.17E-05	4.20E-05	6.31E-06	1.95E-05
4244	438065.1	3762438	7.72E-05	0.000263	1.20E-05	4.30E-05	6.47E-06	2.00E-05
4245	438068.9	3762447	7.91E-05	0.00027	1.23E-05	4.41E-05	6.62E-06	2.05E-05
4246	438072.7	3762456	8.11E-05	0.000277	1.26E-05	4.52E-05	6.79E-06	2.10E-05
4247	438076.4	3762465	8.31E-05	0.000284	1.29E-05	4.63E-05	6.96E-06	2.15E-05
4248	438080.2	3762474	8.52E-05	0.000291	1.32E-05	4.75E-05	7.14E-06	2.20E-05
4249	438084	3762483	8.74E-05	0.000298	1.36E-05	4.87E-05	7.32E-06	2.26E-05
4250	438087.8	3762492	8.97E-05	0.000306	1.39E-05	5.00E-05	7.51E-06	2.32E-05
4251	438091.6	3762502	9.2E-05	0.000314	1.43E-05	5.13E-05	7.70E-06	2.38E-05
4252	438095.4	3762511	9.44E-05	0.000322	1.47E-05	5.26E-05	7.90E-06	2.44E-05
4253	438099.1	3762520	9.69E-05	0.00033	1.50E-05	5.40E-05	8.11E-06	2.50E-05
4254	438102.9	3762529	9.94E-05	0.000339	1.54E-05	5.54E-05	8.32E-06	2.57E-05
4255	438106.7	3762538	0.000102	0.000348	1.58E-05	5.68E-05	8.53E-06	2.63E-05
4256	438110.5	3762547	0.000105	0.000357	1.62E-05	5.83E-05	8.75E-06	2.70E-05
4257	438114.3	3762556	0.000107	0.000366	1.67E-05	5.98E-05	8.98E-06	2.77E-05
4258	438118.1	3762565	0.00011	0.000375	1.71E-05	6.13E-05	9.21E-06	2.84E-05
4259	438121.8	3762574	0.000113	0.000385	1.75E-05	6.29E-05	9.45E-06	2.92E-05
4260	438125.6	3762584	0.000116	0.000395	1.80E-05	6.45E-05	9.69E-06	2.99E-05

4261	438129.4	3762593	0.000119	0.000404	1.84E-05	6.61E-05	9.93E-06	3.06E-05
4262	438133.2	3762602	0.000122	0.000414	1.89E-05	6.77E-05	1.02E-05	3.14E-05
4263	438137	3762611	0.000124	0.000424	1.93E-05	6.93E-05	1.04E-05	3.22E-05
4264	438140.8	3762620	0.000127	0.000434	1.98E-05	7.10E-05	1.07E-05	3.29E-05
4265	438144.5	3762629	0.00013	0.000444	2.02E-05	7.26E-05	1.09E-05	3.37E-05
4266	438148.3	3762638	0.000133	0.000454	2.07E-05	7.42E-05	1.12E-05	3.44E-05
4267	438152.1	3762647	0.000136	0.000464	2.12E-05	7.58E-05	1.14E-05	3.52E-05
4268	438155.9	3762656	0.000139	0.000474	2.16E-05	7.74E-05	1.16E-05	3.59E-05
4269	438159.7	3762666	0.000142	0.000483	2.20E-05	7.90E-05	1.19E-05	3.66E-05
4270	437987.4	3762154	3.78E-05	0.000129	5.88E-06	2.11E-05	3.17E-06	9.78E-06
4271	437991.2	3762164	3.86E-05	0.000132	6.00E-06	2.15E-05	3.23E-06	9.98E-06
4272	437995	3762173	3.94E-05	0.000134	6.12E-06	2.20E-05	3.30E-06	1.02E-05
4273	438006.4	3762200	4.2E-05	0.000143	6.52E-06	2.34E-05	3.51E-06	1.08E-05
4274	438010.1	3762209	4.28E-05	0.000146	6.66E-06	2.39E-05	3.59E-06	1.11E-05
4275	438013.9	3762218	4.37E-05	0.000149	6.79E-06	2.44E-05	3.66E-06	1.13E-05
4276	438025.3	3762246	4.65E-05	0.000159	7.23E-06	2.59E-05	3.89E-06	1.20E-05
4277	438029.1	3762255	4.75E-05	0.000162	7.38E-06	2.64E-05	3.97E-06	1.23E-05
4278	438032.9	3762264	4.85E-05	0.000165	7.53E-06	2.70E-05	4.06E-06	1.25E-05
4279	438036.7	3762273	4.95E-05	0.000169	7.69E-06	2.76E-05	4.14E-06	1.28E-05
4280	438040.5	3762282	5.05E-05	0.000172	7.84E-06	2.81E-05	4.22E-06	1.30E-05
4281	438044.3	3762291	5.15E-05	0.000176	8.00E-06	2.87E-05	4.31E-06	1.33E-05
4282	438048	3762300	5.26E-05	0.000179	8.17E-06	2.93E-05	4.40E-06	1.36E-05
4283	438051.8	3762310	5.37E-05	0.000183	8.34E-06	2.99E-05	4.49E-06	1.39E-05
4284	438055.6	3762319	5.48E-05	0.000187	8.51E-06	3.05E-05	4.58E-06	1.42E-05
4285	438059.4	3762328	5.59E-05	0.000191	8.69E-06	3.11E-05	4.68E-06	1.44E-05
4286	438063.2	3762337	5.71E-05	0.000195	8.87E-06	3.18E-05	4.78E-06	1.47E-05
4287	438067	3762346	5.83E-05	0.000199	9.05E-06	3.25E-05	4.88E-06	1.51E-05
4288	438070.8	3762355	5.95E-05	0.000203	9.24E-06	3.31E-05	4.98E-06	1.54E-05
4289	438074.6	3762364	6.07E-05	0.000207	9.44E-06	3.38E-05	5.08E-06	1.57E-05
4290	438078.4	3762373	6.2E-05	0.000212	9.64E-06	3.46E-05	5.19E-06	1.60E-05
4291	438082.2	3762383	6.34E-05	0.000216	9.85E-06	3.53E-05	5.30E-06	1.64E-05
4292	438086	3762392	6.47E-05	0.000221	1.01E-05	3.61E-05	5.42E-06	1.67E-05
4293	438089.7	3762401	6.62E-05	0.000226	1.03E-05	3.69E-05	5.54E-06	1.71E-05
4294	438093.5	3762410	6.76E-05	0.000231	1.05E-05	3.77E-05	5.66E-06	1.75E-05
4295	438097.3	3762419	6.91E-05	0.000236	1.07E-05	3.85E-05	5.79E-06	1.79E-05
4296	438101.1	3762428	7.07E-05	0.000241	1.10E-05	3.94E-05	5.92E-06	1.83E-05
4297	438104.9	3762437	7.24E-05	0.000247	1.12E-05	4.03E-05	6.06E-06	1.87E-05
4298	438108.7	3762447	7.41E-05	0.000253	1.15E-05	4.13E-05	6.20E-06	1.91E-05
4299	438112.5	3762456	7.58E-05	0.000258	1.18E-05	4.22E-05	6.34E-06	1.96E-05
4300	438116.3	3762465	7.76E-05	0.000265	1.21E-05	4.32E-05	6.50E-06	2.01E-05
4301	438120.1	3762474	7.95E-05	0.000271	1.24E-05	4.43E-05	6.65E-06	2.05E-05
4302	438123.9	3762483	8.14E-05	0.000278	1.27E-05	4.54E-05	6.82E-06	2.10E-05
4303	438127.6	3762492	8.34E-05	0.000284	1.30E-05	4.65E-05	6.98E-06	2.16E-05
4304	438131.4	3762501	8.55E-05	0.000291	1.33E-05	4.76E-05	7.15E-06	2.21E-05
4305	438135.2	3762510	8.76E-05	0.000299	1.36E-05	4.88E-05	7.33E-06	2.26E-05
4306	438139	3762520	8.97E-05	0.000306	1.39E-05	5.00E-05	7.51E-06	2.32E-05
4307	438142.8	3762529	9.2E-05	0.000314	1.43E-05	5.12E-05	7.70E-06	2.38E-05
4308	438146.6	3762538	9.42E-05	0.000321	1.46E-05	5.25E-05	7.89E-06	2.43E-05
4309	438150.4	3762547	9.65E-05	0.000329	1.50E-05	5.38E-05	8.08E-06	2.49E-05
4310	438154.2	3762556	9.89E-05	0.000337	1.54E-05	5.51E-05	8.28E-06	2.56E-05
4311	438158	3762565	0.000101	0.000345	1.57E-05	5.64E-05	8.48E-06	2.62E-05
4312	438161.8	3762574	0.000104	0.000354	1.61E-05	5.78E-05	8.68E-06	2.68E-05

4313	438165.6	3762583	0.000106	0.000362	1.65E-05	5.92E-05	8.89E-06	2.74E-05
4314	438169.3	3762593	0.000109	0.000371	1.69E-05	6.05E-05	9.10E-06	2.81E-05
4315	438173.1	3762602	0.000111	0.000379	1.73E-05	6.19E-05	9.30E-06	2.87E-05
4316	438176.9	3762611	0.000114	0.000388	1.77E-05	6.33E-05	9.51E-06	2.94E-05
4317	438180.7	3762620	0.000116	0.000396	1.80E-05	6.47E-05	9.72E-06	3.00E-05
4318	438184.5	3762629	0.000119	0.000404	1.84E-05	6.61E-05	9.93E-06	3.06E-05
4319	438188.3	3762638	0.000121	0.000413	1.88E-05	6.74E-05	1.01E-05	3.13E-05
4320	438192.1	3762647	0.000123	0.000421	1.92E-05	6.88E-05	1.03E-05	3.19E-05
4321	438195.9	3762656	0.000126	0.000429	1.96E-05	7.01E-05	1.05E-05	3.25E-05
4322	438199.7	3762666	0.000128	0.000437	1.99E-05	7.14E-05	1.07E-05	3.31E-05
4323	438015.5	3762126	3.48E-05	0.000119	5.40E-06	1.94E-05	2.91E-06	8.98E-06
4324	438019.3	3762135	3.54E-05	0.000121	5.50E-06	1.97E-05	2.96E-06	9.15E-06
4325	438023	3762144	3.61E-05	0.000123	5.61E-06	2.01E-05	3.02E-06	9.32E-06
4326	438034.2	3762171	3.82E-05	0.00013	5.93E-06	2.13E-05	3.20E-06	9.87E-06
4327	438037.9	3762180	3.89E-05	0.000133	6.05E-06	2.17E-05	3.26E-06	1.01E-05
4328	438041.7	3762189	3.97E-05	0.000135	6.17E-06	2.21E-05	3.32E-06	1.03E-05
4329	438052.9	3762216	4.2E-05	0.000143	6.53E-06	2.34E-05	3.52E-06	1.09E-05
4330	438056.6	3762225	4.28E-05	0.000146	6.65E-06	2.39E-05	3.58E-06	1.11E-05
4331	438060.4	3762234	4.36E-05	0.000149	6.78E-06	2.43E-05	3.65E-06	1.13E-05
4332	438064.1	3762243	4.45E-05	0.000152	6.91E-06	2.48E-05	3.72E-06	1.15E-05
4333	438067.8	3762252	4.53E-05	0.000155	7.04E-06	2.53E-05	3.79E-06	1.17E-05
4334	438071.6	3762261	4.62E-05	0.000158	7.18E-06	2.57E-05	3.87E-06	1.19E-05
4335	438075.3	3762270	4.71E-05	0.000161	7.31E-06	2.62E-05	3.94E-06	1.22E-05
4336	438079	3762279	4.8E-05	0.000164	7.45E-06	2.67E-05	4.02E-06	1.24E-05
4337	438082.8	3762288	4.89E-05	0.000167	7.59E-06	2.72E-05	4.09E-06	1.26E-05
4338	438086.5	3762297	4.98E-05	0.00017	7.74E-06	2.77E-05	4.17E-06	1.29E-05
4339	438090.3	3762306	5.07E-05	0.000173	7.88E-06	2.83E-05	4.25E-06	1.31E-05
4340	438094	3762315	5.17E-05	0.000176	8.03E-06	2.88E-05	4.33E-06	1.34E-05
4341	438097.7	3762324	5.27E-05	0.00018	8.19E-06	2.94E-05	4.41E-06	1.36E-05
4342	438101.5	3762333	5.37E-05	0.000183	8.34E-06	2.99E-05	4.50E-06	1.39E-05
4343	438105.2	3762342	5.47E-05	0.000187	8.51E-06	3.05E-05	4.58E-06	1.41E-05
4344	438108.9	3762351	5.58E-05	0.00019	8.67E-06	3.11E-05	4.67E-06	1.44E-05
4345	438112.7	3762360	5.69E-05	0.000194	8.84E-06	3.17E-05	4.76E-06	1.47E-05
4346	438116.4	3762369	5.8E-05	0.000198	9.02E-06	3.23E-05	4.86E-06	1.50E-05
4347	438120.1	3762378	5.92E-05	0.000202	9.20E-06	3.30E-05	4.96E-06	1.53E-05
4348	438123.9	3762387	6.04E-05	0.000206	9.39E-06	3.37E-05	5.06E-06	1.56E-05
4349	438127.6	3762396	6.17E-05	0.00021	9.58E-06	3.43E-05	5.16E-06	1.59E-05
4350	438131.4	3762405	6.29E-05	0.000215	9.78E-06	3.51E-05	5.27E-06	1.63E-05
4351	438135.1	3762414	6.43E-05	0.000219	9.98E-06	3.58E-05	5.38E-06	1.66E-05
4352	438138.8	3762423	6.56E-05	0.000224	1.02E-05	3.66E-05	5.49E-06	1.70E-05
4353	438142.6	3762432	6.71E-05	0.000229	1.04E-05	3.74E-05	5.61E-06	1.73E-05
4354	438146.3	3762441	6.85E-05	0.000234	1.06E-05	3.82E-05	5.74E-06	1.77E-05
4355	438150	3762450	7E-05	0.000239	1.09E-05	3.90E-05	5.86E-06	1.81E-05
4356	438153.8	3762459	7.16E-05	0.000244	1.11E-05	3.99E-05	5.99E-06	1.85E-05
4357	438157.5	3762468	7.32E-05	0.00025	1.14E-05	4.08E-05	6.13E-06	1.89E-05
4358	438161.3	3762477	7.49E-05	0.000255	1.16E-05	4.17E-05	6.27E-06	1.94E-05
4359	438165	3762486	7.66E-05	0.000261	1.19E-05	4.27E-05	6.41E-06	1.98E-05
4360	438168.7	3762495	7.84E-05	0.000267	1.22E-05	4.37E-05	6.56E-06	2.03E-05
4361	438172.5	3762504	8.02E-05	0.000273	1.25E-05	4.47E-05	6.71E-06	2.07E-05
4362	438176.2	3762513	8.2E-05	0.00028	1.27E-05	4.57E-05	6.87E-06	2.12E-05
4363	438183.7	3762531	8.59E-05	0.000293	1.33E-05	4.78E-05	7.19E-06	2.22E-05
4364	438187.4	3762540	8.79E-05	0.0003	1.37E-05	4.89E-05	7.35E-06	2.27E-05

4365	438191.1	3762549	8.99E-05	0.000306	1.40E-05	5.01E-05	7.52E-06	2.32E-05
4366	438194.9	3762558	9.19E-05	0.000313	1.43E-05	5.12E-05	7.69E-06	2.37E-05
4367	438198.6	3762567	9.39E-05	0.00032	1.46E-05	5.23E-05	7.86E-06	2.43E-05
4368	438202.4	3762576	9.6E-05	0.000327	1.49E-05	5.35E-05	8.04E-06	2.48E-05
4369	438206.1	3762585	9.81E-05	0.000334	1.52E-05	5.46E-05	8.21E-06	2.53E-05
4370	438221	3762621	0.000106	0.000363	1.65E-05	5.93E-05	8.91E-06	2.75E-05
4371	438224.8	3762630	0.000108	0.00037	1.69E-05	6.04E-05	9.08E-06	2.80E-05
4372	438228.5	3762639	0.000111	0.000377	1.72E-05	6.16E-05	9.25E-06	2.86E-05
4373	438232.2	3762648	0.000113	0.000384	1.75E-05	6.27E-05	9.42E-06	2.91E-05
4374	438236	3762657	0.000115	0.000391	1.78E-05	6.38E-05	9.59E-06	2.96E-05
4375	438239.7	3762666	0.000116	0.000397	1.81E-05	6.49E-05	9.75E-06	3.01E-05
4376	438047.5	3762107	3.27E-05	0.000111	5.08E-06	1.82E-05	2.73E-06	8.44E-06
4377	438051.3	3762116	3.33E-05	0.000113	5.17E-06	1.85E-05	2.78E-06	8.59E-06
4378	438062.5	3762143	3.51E-05	0.00012	5.45E-06	1.95E-05	2.94E-06	9.06E-06
4379	438066.2	3762152	3.57E-05	0.000122	5.55E-06	1.99E-05	2.99E-06	9.23E-06
4380	438070	3762161	3.64E-05	0.000124	5.65E-06	2.03E-05	3.04E-06	9.39E-06
4381	438081.2	3762188	3.84E-05	0.000131	5.96E-06	2.14E-05	3.21E-06	9.92E-06
4382	438085	3762197	3.91E-05	0.000133	6.07E-06	2.18E-05	3.27E-06	1.01E-05
4383	438088.7	3762206	3.98E-05	0.000136	6.18E-06	2.22E-05	3.33E-06	1.03E-05
4384	438092.5	3762215	4.05E-05	0.000138	6.29E-06	2.26E-05	3.39E-06	1.05E-05
4385	438096.2	3762224	4.12E-05	0.000141	6.40E-06	2.30E-05	3.45E-06	1.07E-05
4386	438099.9	3762233	4.2E-05	0.000143	6.52E-06	2.34E-05	3.51E-06	1.08E-05
4387	438103.7	3762242	4.27E-05	0.000146	6.64E-06	2.38E-05	3.57E-06	1.10E-05
4388	438107.4	3762251	4.35E-05	0.000148	6.75E-06	2.42E-05	3.64E-06	1.12E-05
4389	438111.2	3762260	4.42E-05	0.000151	6.87E-06	2.46E-05	3.70E-06	1.14E-05
4390	438114.9	3762269	4.5E-05	0.000153	6.99E-06	2.51E-05	3.77E-06	1.16E-05
4391	438118.7	3762278	4.58E-05	0.000156	7.12E-06	2.55E-05	3.83E-06	1.18E-05
4392	438122.4	3762287	4.66E-05	0.000159	7.24E-06	2.60E-05	3.90E-06	1.20E-05
4393	438126.2	3762296	4.74E-05	0.000162	7.37E-06	2.64E-05	3.97E-06	1.23E-05
4394	438129.9	3762305	4.83E-05	0.000165	7.50E-06	2.69E-05	4.04E-06	1.25E-05
4395	438133.7	3762314	4.92E-05	0.000168	7.64E-06	2.74E-05	4.11E-06	1.27E-05
4396	438137.4	3762323	5E-05	0.000171	7.78E-06	2.79E-05	4.19E-06	1.29E-05
4397	438141.1	3762332	5.1E-05	0.000174	7.92E-06	2.84E-05	4.26E-06	1.32E-05
4398	438144.9	3762341	5.19E-05	0.000177	8.06E-06	2.89E-05	4.34E-06	1.34E-05
4399	438148.6	3762350	5.29E-05	0.00018	8.21E-06	2.94E-05	4.42E-06	1.37E-05
4400	438152.4	3762359	5.39E-05	0.000184	8.37E-06	3.00E-05	4.51E-06	1.39E-05
4401	438156.1	3762368	5.49E-05	0.000187	8.53E-06	3.06E-05	4.59E-06	1.42E-05
4402	438159.9	3762377	5.6E-05	0.000191	8.69E-06	3.12E-05	4.68E-06	1.45E-05
4403	438163.6	3762386	5.7E-05	0.000195	8.86E-06	3.18E-05	4.77E-06	1.47E-05
4404	438167.4	3762395	5.82E-05	0.000198	9.04E-06	3.24E-05	4.87E-06	1.50E-05
4405	438171.1	3762404	5.93E-05	0.000202	9.22E-06	3.31E-05	4.97E-06	1.53E-05
4406	438174.8	3762413	6.05E-05	0.000206	9.41E-06	3.37E-05	5.07E-06	1.56E-05
4407	438178.6	3762422	6.18E-05	0.000211	9.60E-06	3.44E-05	5.17E-06	1.60E-05
4408	438182.3	3762431	6.31E-05	0.000215	9.80E-06	3.51E-05	5.28E-06	1.63E-05
4409	438186.1	3762440	6.44E-05	0.00022	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4410	438189.8	3762449	6.58E-05	0.000224	1.02E-05	3.66E-05	5.51E-06	1.70E-05
4411	438193.6	3762458	6.72E-05	0.000229	1.04E-05	3.74E-05	5.62E-06	1.74E-05
4412	438197.3	3762467	6.86E-05	0.000234	1.07E-05	3.82E-05	5.75E-06	1.77E-05
4413	438201.1	3762476	7.01E-05	0.000239	1.09E-05	3.91E-05	5.87E-06	1.81E-05
4414	438204.8	3762485	7.17E-05	0.000244	1.11E-05	3.99E-05	6.00E-06	1.85E-05
4415	438208.6	3762494	7.33E-05	0.00025	1.14E-05	4.08E-05	6.13E-06	1.89E-05
4416	438223.5	3762530	7.99E-05	0.000272	1.24E-05	4.45E-05	6.69E-06	2.06E-05

4417	438227.3	3762539	8.16E-05	0.000278	1.27E-05	4.55E-05	6.83E-06	2.11E-05
4418	438231	3762548	8.34E-05	0.000284	1.30E-05	4.64E-05	6.98E-06	2.15E-05
4419	438234.8	3762557	8.51E-05	0.00029	1.32E-05	4.74E-05	7.13E-06	2.20E-05
4420	438238.5	3762566	8.69E-05	0.000296	1.35E-05	4.84E-05	7.27E-06	2.25E-05
4421	438242.3	3762575	8.87E-05	0.000303	1.38E-05	4.94E-05	7.43E-06	2.29E-05
4422	438246	3762584	9.05E-05	0.000309	1.41E-05	5.04E-05	7.58E-06	2.34E-05
4423	437476.3	3761810	1.46E-05	4.99E-05	2.27E-06	8.15E-06	1.22E-06	3.78E-06
4424	437485.3	3761813	1.48E-05	5.05E-05	2.30E-06	8.26E-06	1.24E-06	3.83E-06
4425	437494.4	3761817	1.5E-05	5.12E-05	2.33E-06	8.36E-06	1.26E-06	3.88E-06
4426	437503.4	3761821	1.52E-05	5.18E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
4427	437512.5	3761824	1.54E-05	5.25E-05	2.39E-06	8.58E-06	1.29E-06	3.98E-06
4428	437521.5	3761828	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
4429	438090.8	3762114	3.24E-05	0.00011	5.03E-06	1.80E-05	2.71E-06	8.36E-06
4430	438094.5	3762123	3.29E-05	0.000112	5.11E-06	1.83E-05	2.76E-06	8.51E-06
4431	438098.3	3762133	3.35E-05	0.000114	5.20E-06	1.87E-05	2.80E-06	8.65E-06
4432	438109.5	3762160	3.52E-05	0.00012	5.47E-06	1.96E-05	2.95E-06	9.10E-06
4433	438113.3	3762169	3.58E-05	0.000122	5.57E-06	2.00E-05	3.00E-06	9.26E-06
4434	438117.1	3762178	3.64E-05	0.000124	5.66E-06	2.03E-05	3.05E-06	9.42E-06
4435	438120.8	3762187	3.71E-05	0.000126	5.76E-06	2.06E-05	3.10E-06	9.57E-06
4436	438124.6	3762196	3.77E-05	0.000128	5.86E-06	2.10E-05	3.15E-06	9.74E-06
4437	438128.3	3762205	3.83E-05	0.000131	5.95E-06	2.13E-05	3.21E-06	9.90E-06
4438	438132.1	3762214	3.9E-05	0.000133	6.05E-06	2.17E-05	3.26E-06	1.01E-05
4439	438135.8	3762223	3.96E-05	0.000135	6.16E-06	2.21E-05	3.32E-06	1.02E-05
4440	438139.6	3762232	4.03E-05	0.000137	6.26E-06	2.24E-05	3.37E-06	1.04E-05
4441	438143.3	3762241	4.09E-05	0.00014	6.36E-06	2.28E-05	3.43E-06	1.06E-05
4442	438147.1	3762250	4.16E-05	0.000142	6.47E-06	2.32E-05	3.48E-06	1.08E-05
4443	438150.8	3762259	4.23E-05	0.000144	6.57E-06	2.36E-05	3.54E-06	1.09E-05
4444	438154.6	3762268	4.3E-05	0.000147	6.68E-06	2.40E-05	3.60E-06	1.11E-05
4445	438158.3	3762277	4.37E-05	0.000149	6.79E-06	2.44E-05	3.66E-06	1.13E-05
4446	438162.1	3762286	4.45E-05	0.000152	6.91E-06	2.48E-05	3.72E-06	1.15E-05
4447	438165.8	3762295	4.52E-05	0.000154	7.02E-06	2.52E-05	3.78E-06	1.17E-05
4448	438169.6	3762304	4.6E-05	0.000157	7.14E-06	2.56E-05	3.85E-06	1.19E-05
4449	438173.3	3762313	4.68E-05	0.000159	7.27E-06	2.60E-05	3.91E-06	1.21E-05
4450	438177.1	3762322	4.76E-05	0.000162	7.39E-06	2.65E-05	3.98E-06	1.23E-05
4451	438180.8	3762331	4.84E-05	0.000165	7.52E-06	2.70E-05	4.05E-06	1.25E-05
4452	438184.6	3762340	4.92E-05	0.000168	7.65E-06	2.74E-05	4.12E-06	1.27E-05
4453	438188.4	3762349	5.01E-05	0.000171	7.79E-06	2.79E-05	4.20E-06	1.30E-05
4454	438192.1	3762358	5.1E-05	0.000174	7.93E-06	2.84E-05	4.27E-06	1.32E-05
4455	438195.9	3762367	5.2E-05	0.000177	8.08E-06	2.90E-05	4.35E-06	1.34E-05
4456	438199.6	3762376	5.29E-05	0.000181	8.23E-06	2.95E-05	4.43E-06	1.37E-05
4457	438203.4	3762386	5.39E-05	0.000184	8.38E-06	3.00E-05	4.52E-06	1.39E-05
4458	438207.1	3762395	5.5E-05	0.000187	8.54E-06	3.06E-05	4.60E-06	1.42E-05
4459	438210.9	3762404	5.6E-05	0.000191	8.71E-06	3.12E-05	4.69E-06	1.45E-05
4460	438214.6	3762413	5.71E-05	0.000195	8.88E-06	3.18E-05	4.78E-06	1.48E-05
4461	438218.4	3762422	5.83E-05	0.000199	9.05E-06	3.25E-05	4.88E-06	1.51E-05
4462	438222.1	3762431	5.94E-05	0.000203	9.23E-06	3.31E-05	4.97E-06	1.54E-05
4463	438225.9	3762440	6.06E-05	0.000207	9.42E-06	3.38E-05	5.08E-06	1.57E-05
4464	438229.6	3762449	6.19E-05	0.000211	9.62E-06	3.45E-05	5.18E-06	1.60E-05
4465	438233.4	3762458	6.32E-05	0.000215	9.81E-06	3.52E-05	5.29E-06	1.63E-05
4466	438237.1	3762467	6.45E-05	0.00022	1.00E-05	3.59E-05	5.40E-06	1.67E-05
4467	438240.9	3762476	6.58E-05	0.000224	1.02E-05	3.67E-05	5.51E-06	1.70E-05
4468	438244.6	3762485	6.72E-05	0.000229	1.04E-05	3.74E-05	5.62E-06	1.74E-05

4469	438248.4	3762494	6.86E-05	0.000234	1.07E-05	3.82E-05	5.74E-06	1.77E-05
4470	438300.9	3762620	9E-05	0.000307	1.40E-05	5.02E-05	7.54E-06	2.33E-05
4471	438304.7	3762629	9.16E-05	0.000312	1.42E-05	5.10E-05	7.67E-06	2.37E-05
4472	438308.4	3762639	9.31E-05	0.000317	1.45E-05	5.19E-05	7.79E-06	2.41E-05
4473	438312.2	3762648	9.46E-05	0.000323	1.47E-05	5.27E-05	7.92E-06	2.44E-05
4474	438315.9	3762657	9.61E-05	0.000328	1.49E-05	5.35E-05	8.04E-06	2.48E-05
4475	438319.7	3762666	9.75E-05	0.000332	1.51E-05	5.43E-05	8.16E-06	2.52E-05
4476	437476.2	3761770	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
4477	437485.3	3761773	1.38E-05	4.72E-05	2.15E-06	7.71E-06	1.16E-06	3.57E-06
4478	437494.3	3761777	1.4E-05	4.78E-05	2.18E-06	7.80E-06	1.17E-06	3.62E-06
4479	437503.4	3761781	1.42E-05	4.84E-05	2.20E-06	7.90E-06	1.19E-06	3.66E-06
4480	437512.5	3761784	1.44E-05	4.9E-05	2.23E-06	8.00E-06	1.20E-06	3.71E-06
4481	437521.5	3761788	1.45E-05	4.96E-05	2.26E-06	8.10E-06	1.22E-06	3.76E-06
4482	438126.6	3762104	3.1E-05	0.000106	4.82E-06	1.73E-05	2.60E-06	8.01E-06
4483	438137.9	3762131	3.25E-05	0.000111	5.05E-06	1.81E-05	2.72E-06	8.41E-06
4484	438141.6	3762141	3.31E-05	0.000113	5.14E-06	1.84E-05	2.77E-06	8.54E-06
4485	438145.4	3762150	3.36E-05	0.000115	5.22E-06	1.87E-05	2.81E-06	8.68E-06
4486	438149.1	3762159	3.41E-05	0.000116	5.30E-06	1.90E-05	2.85E-06	8.81E-06
4487	438152.9	3762168	3.46E-05	0.000118	5.38E-06	1.93E-05	2.90E-06	8.95E-06
4488	438156.7	3762177	3.52E-05	0.00012	5.47E-06	1.96E-05	2.94E-06	9.09E-06
4489	438160.4	3762186	3.57E-05	0.000122	5.55E-06	1.99E-05	2.99E-06	9.23E-06
4490	438164.2	3762195	3.63E-05	0.000124	5.64E-06	2.02E-05	3.04E-06	9.38E-06
4491	438167.9	3762204	3.69E-05	0.000126	5.73E-06	2.05E-05	3.09E-06	9.53E-06
4492	438171.7	3762213	3.75E-05	0.000128	5.82E-06	2.09E-05	3.13E-06	9.68E-06
4493	438175.5	3762222	3.8E-05	0.00013	5.91E-06	2.12E-05	3.18E-06	9.83E-06
4494	438179.2	3762231	3.86E-05	0.000132	6.00E-06	2.15E-05	3.23E-06	9.98E-06
4495	438183	3762240	3.92E-05	0.000134	6.10E-06	2.19E-05	3.28E-06	1.01E-05
4496	438186.7	3762249	3.99E-05	0.000136	6.19E-06	2.22E-05	3.34E-06	1.03E-05
4497	438190.5	3762258	4.05E-05	0.000138	6.29E-06	2.26E-05	3.39E-06	1.05E-05
4498	438194.3	3762267	4.11E-05	0.00014	6.39E-06	2.29E-05	3.44E-06	1.06E-05
4499	438198	3762276	4.18E-05	0.000142	6.49E-06	2.33E-05	3.50E-06	1.08E-05
4500	438201.8	3762285	4.24E-05	0.000145	6.59E-06	2.36E-05	3.55E-06	1.10E-05
4501	438205.5	3762294	4.31E-05	0.000147	6.70E-06	2.40E-05	3.61E-06	1.11E-05
4502	438209.3	3762303	4.38E-05	0.000149	6.81E-06	2.44E-05	3.67E-06	1.13E-05
4503	438213.1	3762313	4.45E-05	0.000152	6.92E-06	2.48E-05	3.73E-06	1.15E-05
4504	438216.8	3762322	4.53E-05	0.000154	7.03E-06	2.52E-05	3.79E-06	1.17E-05
4505	438220.6	3762331	4.6E-05	0.000157	7.15E-06	2.56E-05	3.85E-06	1.19E-05
4506	438224.3	3762340	4.68E-05	0.00016	7.27E-06	2.61E-05	3.92E-06	1.21E-05
4507	438228.1	3762349	4.76E-05	0.000162	7.40E-06	2.65E-05	3.99E-06	1.23E-05
4508	438231.9	3762358	4.84E-05	0.000165	7.53E-06	2.70E-05	4.05E-06	1.25E-05
4509	438235.6	3762367	4.93E-05	0.000168	7.66E-06	2.75E-05	4.13E-06	1.27E-05
4510	438239.4	3762376	5.02E-05	0.000171	7.80E-06	2.80E-05	4.20E-06	1.30E-05
4511	438243.1	3762385	5.11E-05	0.000174	7.94E-06	2.85E-05	4.28E-06	1.32E-05
4512	438246.9	3762394	5.2E-05	0.000177	8.09E-06	2.90E-05	4.36E-06	1.34E-05
4513	438250.7	3762403	5.3E-05	0.000181	8.24E-06	2.95E-05	4.44E-06	1.37E-05
4514	438254.4	3762412	5.4E-05	0.000184	8.39E-06	3.01E-05	4.52E-06	1.40E-05
4515	438258.2	3762421	5.51E-05	0.000188	8.56E-06	3.07E-05	4.61E-06	1.42E-05
4516	438261.9	3762430	5.61E-05	0.000191	8.72E-06	3.13E-05	4.70E-06	1.45E-05
4517	438265.7	3762439	5.72E-05	0.000195	8.89E-06	3.19E-05	4.79E-06	1.48E-05
4518	438269.5	3762448	5.83E-05	0.000199	9.07E-06	3.25E-05	4.88E-06	1.51E-05
4519	438273.2	3762457	5.95E-05	0.000203	9.25E-06	3.31E-05	4.98E-06	1.54E-05
4520	438277	3762466	6.07E-05	0.000207	9.43E-06	3.38E-05	5.08E-06	1.57E-05

4521	438280.7	3762475	6.19E-05	0.000211	9.61E-06	3.45E-05	5.18E-06	1.60E-05
4522	438284.5	3762485	6.31E-05	0.000215	9.81E-06	3.52E-05	5.28E-06	1.63E-05
4523	438288.3	3762494	6.44E-05	0.000219	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4524	438303.3	3762530	6.96E-05	0.000237	1.08E-05	3.88E-05	5.82E-06	1.80E-05
4525	438307.1	3762539	7.09E-05	0.000242	1.10E-05	3.95E-05	5.93E-06	1.83E-05
4526	438310.8	3762548	7.23E-05	0.000246	1.12E-05	4.03E-05	6.05E-06	1.87E-05
4527	438314.6	3762557	7.36E-05	0.000251	1.14E-05	4.10E-05	6.16E-06	1.90E-05
4528	438318.3	3762566	7.5E-05	0.000256	1.17E-05	4.18E-05	6.28E-06	1.94E-05
4529	438322.1	3762575	7.64E-05	0.00026	1.19E-05	4.25E-05	6.39E-06	1.97E-05
4530	438325.9	3762584	7.77E-05	0.000265	1.21E-05	4.33E-05	6.51E-06	2.01E-05
4531	438329.6	3762593	7.91E-05	0.00027	1.23E-05	4.41E-05	6.62E-06	2.04E-05
4532	438340.9	3762620	8.32E-05	0.000284	1.29E-05	4.64E-05	6.97E-06	2.15E-05
4533	438344.7	3762629	8.46E-05	0.000288	1.31E-05	4.71E-05	7.08E-06	2.19E-05
4534	438348.4	3762638	8.59E-05	0.000293	1.33E-05	4.79E-05	7.19E-06	2.22E-05
4535	438128.5	3762013	2.6E-05	8.86E-05	4.04E-06	1.45E-05	2.17E-06	6.71E-06
4536	438132.3	3762022	2.64E-05	8.99E-05	4.10E-06	1.47E-05	2.21E-06	6.81E-06
4537	438136	3762031	2.68E-05	9.13E-05	4.16E-06	1.49E-05	2.24E-06	6.92E-06
4538	438166.2	3762103	3.02E-05	0.000103	4.69E-06	1.68E-05	2.53E-06	7.80E-06
4539	438169.9	3762112	3.06E-05	0.000104	4.76E-06	1.71E-05	2.56E-06	7.92E-06
4540	438173.7	3762121	3.11E-05	0.000106	4.83E-06	1.73E-05	2.60E-06	8.04E-06
4541	438177.5	3762131	3.16E-05	0.000108	4.90E-06	1.76E-05	2.64E-06	8.16E-06
4542	438181.2	3762140	3.2E-05	0.000109	4.98E-06	1.78E-05	2.68E-06	8.28E-06
4543	438185	3762149	3.25E-05	0.000111	5.05E-06	1.81E-05	2.72E-06	8.40E-06
4544	438188.8	3762158	3.3E-05	0.000112	5.12E-06	1.84E-05	2.76E-06	8.52E-06
4545	438192.5	3762167	3.35E-05	0.000114	5.20E-06	1.86E-05	2.80E-06	8.65E-06
4546	438196.3	3762176	3.39E-05	0.000116	5.27E-06	1.89E-05	2.84E-06	8.77E-06
4547	438200.1	3762185	3.44E-05	0.000117	5.35E-06	1.92E-05	2.88E-06	8.90E-06
4548	438203.8	3762194	3.5E-05	0.000119	5.43E-06	1.95E-05	2.93E-06	9.03E-06
4549	438207.6	3762203	3.55E-05	0.000121	5.51E-06	1.98E-05	2.97E-06	9.16E-06
4550	438211.4	3762212	3.6E-05	0.000123	5.59E-06	2.00E-05	3.01E-06	9.30E-06
4551	438215.1	3762221	3.65E-05	0.000125	5.67E-06	2.03E-05	3.06E-06	9.44E-06
4552	438218.9	3762230	3.71E-05	0.000126	5.76E-06	2.06E-05	3.10E-06	9.58E-06
4553	438222.7	3762239	3.76E-05	0.000128	5.84E-06	2.10E-05	3.15E-06	9.72E-06
4554	438226.4	3762248	3.82E-05	0.00013	5.93E-06	2.13E-05	3.19E-06	9.86E-06
4555	438230.2	3762258	3.87E-05	0.000132	6.02E-06	2.16E-05	3.24E-06	1.00E-05
4556	438234	3762267	3.93E-05	0.000134	6.11E-06	2.19E-05	3.29E-06	1.02E-05
4557	438237.7	3762276	3.99E-05	0.000136	6.20E-06	2.22E-05	3.34E-06	1.03E-05
4558	438241.5	3762285	4.05E-05	0.000138	6.30E-06	2.26E-05	3.39E-06	1.05E-05
4559	438245.3	3762294	4.11E-05	0.00014	6.39E-06	2.29E-05	3.44E-06	1.06E-05
4560	438249	3762303	4.18E-05	0.000142	6.49E-06	2.33E-05	3.50E-06	1.08E-05
4561	438252.8	3762312	4.24E-05	0.000145	6.60E-06	2.36E-05	3.55E-06	1.10E-05
4562	438256.6	3762321	4.31E-05	0.000147	6.70E-06	2.40E-05	3.61E-06	1.11E-05
4563	438260.3	3762330	4.38E-05	0.000149	6.81E-06	2.44E-05	3.67E-06	1.13E-05
4564	438264.1	3762339	4.45E-05	0.000152	6.92E-06	2.48E-05	3.73E-06	1.15E-05
4565	438267.9	3762348	4.53E-05	0.000154	7.04E-06	2.52E-05	3.79E-06	1.17E-05
4566	438271.6	3762357	4.6E-05	0.000157	7.15E-06	2.56E-05	3.85E-06	1.19E-05
4567	438275.4	3762366	4.68E-05	0.00016	7.28E-06	2.61E-05	3.92E-06	1.21E-05
4568	438279.2	3762375	4.77E-05	0.000162	7.40E-06	2.65E-05	3.99E-06	1.23E-05
4569	438282.9	3762384	4.85E-05	0.000165	7.54E-06	2.70E-05	4.06E-06	1.25E-05
4570	438286.7	3762394	4.94E-05	0.000168	7.67E-06	2.75E-05	4.13E-06	1.28E-05
4571	438290.5	3762403	5.03E-05	0.000171	7.81E-06	2.80E-05	4.21E-06	1.30E-05
4572	438294.2	3762412	5.12E-05	0.000175	7.95E-06	2.85E-05	4.28E-06	1.32E-05

4573	438298	3762421	5.21E-05	0.000178	8.10E-06	2.90E-05	4.36E-06	1.35E-05
4574	438301.8	3762430	5.31E-05	0.000181	8.25E-06	2.96E-05	4.44E-06	1.37E-05
4575	438313.1	3762457	5.62E-05	0.000192	8.73E-06	3.13E-05	4.70E-06	1.45E-05
4576	438316.8	3762466	5.72E-05	0.000195	8.89E-06	3.19E-05	4.79E-06	1.48E-05
4577	438320.6	3762475	5.83E-05	0.000199	9.06E-06	3.25E-05	4.88E-06	1.51E-05
4578	438324.4	3762484	5.94E-05	0.000203	9.23E-06	3.31E-05	4.97E-06	1.54E-05
4579	438328.1	3762493	6.05E-05	0.000206	9.41E-06	3.37E-05	5.07E-06	1.56E-05
4580	438331.9	3762502	6.17E-05	0.00021	9.58E-06	3.44E-05	5.16E-06	1.59E-05
4581	438343.2	3762530	6.52E-05	0.000222	1.01E-05	3.63E-05	5.46E-06	1.68E-05
4582	438347	3762539	6.64E-05	0.000226	1.03E-05	3.70E-05	5.55E-06	1.71E-05
4583	438350.7	3762548	6.76E-05	0.00023	1.05E-05	3.76E-05	5.65E-06	1.75E-05
4584	438388.4	3762638	7.95E-05	0.000271	1.24E-05	4.43E-05	6.66E-06	2.05E-05
4585	438392.2	3762647	8.07E-05	0.000275	1.25E-05	4.49E-05	6.75E-06	2.08E-05
4586	438395.9	3762657	8.18E-05	0.000279	1.27E-05	4.56E-05	6.85E-06	2.11E-05
4587	438399.7	3762666	8.29E-05	0.000283	1.29E-05	4.62E-05	6.94E-06	2.14E-05
4588	438156.7	3761984	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
4589	438160.5	3761993	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
4590	438164.3	3762003	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
4591	438175.6	3762030	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
4592	438179.4	3762039	2.66E-05	9.05E-05	4.13E-06	1.48E-05	2.22E-06	6.86E-06
4593	438205.8	3762102	2.93E-05	0.0001	4.56E-06	1.63E-05	2.45E-06	7.58E-06
4594	438209.6	3762112	2.97E-05	0.000101	4.62E-06	1.66E-05	2.49E-06	7.69E-06
4595	438213.3	3762121	3.02E-05	0.000103	4.69E-06	1.68E-05	2.52E-06	7.79E-06
4596	438217.1	3762130	3.06E-05	0.000104	4.75E-06	1.70E-05	2.56E-06	7.90E-06
4597	438220.9	3762139	0.000031	0.000106	4.82E-06	1.73E-05	2.59E-06	8.01E-06
4598	438224.7	3762148	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.12E-06
4599	438228.4	3762157	3.19E-05	0.000109	4.95E-06	1.77E-05	2.67E-06	8.23E-06
4600	438232.2	3762166	3.23E-05	0.00011	5.02E-06	1.80E-05	2.70E-06	8.35E-06
4601	438236	3762175	3.27E-05	0.000112	5.09E-06	1.82E-05	2.74E-06	8.46E-06
4602	438239.7	3762184	3.32E-05	0.000113	5.16E-06	1.85E-05	2.78E-06	8.58E-06
4603	438243.5	3762193	3.37E-05	0.000115	5.23E-06	1.87E-05	2.82E-06	8.70E-06
4604	438247.3	3762202	3.41E-05	0.000116	5.30E-06	1.90E-05	2.86E-06	8.82E-06
4605	438251.1	3762211	3.46E-05	0.000118	5.38E-06	1.93E-05	2.90E-06	8.94E-06
4606	438254.8	3762221	3.51E-05	0.00012	5.45E-06	1.95E-05	2.94E-06	9.07E-06
4607	438258.6	3762230	3.56E-05	0.000121	5.53E-06	1.98E-05	2.98E-06	9.19E-06
4608	438262.4	3762239	3.61E-05	0.000123	5.61E-06	2.01E-05	3.02E-06	9.32E-06
4609	438266.1	3762248	3.66E-05	0.000125	5.69E-06	2.04E-05	3.06E-06	9.45E-06
4610	438269.9	3762257	3.71E-05	0.000127	5.77E-06	2.07E-05	3.11E-06	9.59E-06
4611	438273.7	3762266	3.76E-05	0.000128	5.85E-06	2.10E-05	3.15E-06	9.73E-06
4612	438277.5	3762275	3.82E-05	0.00013	5.93E-06	2.13E-05	3.20E-06	9.87E-06
4613	438281.2	3762284	3.87E-05	0.000132	6.02E-06	2.16E-05	3.24E-06	1.00E-05
4614	438285	3762293	3.93E-05	0.000134	6.11E-06	2.19E-05	3.29E-06	1.02E-05
4615	438288.8	3762302	3.99E-05	0.000136	6.20E-06	2.22E-05	3.34E-06	1.03E-05
4616	438292.6	3762311	4.05E-05	0.000138	6.29E-06	2.26E-05	3.39E-06	1.05E-05
4617	438296.3	3762320	4.11E-05	0.00014	6.39E-06	2.29E-05	3.44E-06	1.06E-05
4618	438300.1	3762330	4.18E-05	0.000142	6.49E-06	2.33E-05	3.50E-06	1.08E-05
4619	438303.9	3762339	4.24E-05	0.000145	6.60E-06	2.36E-05	3.55E-06	1.10E-05
4620	438307.6	3762348	4.31E-05	0.000147	6.70E-06	2.40E-05	3.61E-06	1.11E-05
4621	438311.4	3762357	4.38E-05	0.00015	6.81E-06	2.44E-05	3.67E-06	1.13E-05
4622	438326.5	3762393	4.69E-05	0.00016	7.29E-06	2.61E-05	3.93E-06	1.21E-05
4623	438330.3	3762402	4.77E-05	0.000163	7.42E-06	2.66E-05	3.99E-06	1.23E-05
4624	438334.1	3762411	4.86E-05	0.000166	7.55E-06	2.71E-05	4.07E-06	1.26E-05

4625	438337.8	3762420	4.94E-05	0.000169	7.68E-06	2.75E-05	4.14E-06	1.28E-05
4626	438341.6	3762429	5.03E-05	0.000172	7.82E-06	2.80E-05	4.21E-06	1.30E-05
4627	438352.9	3762457	5.31E-05	0.000181	8.25E-06	2.96E-05	4.44E-06	1.37E-05
4628	438390.6	3762547	6.33E-05	0.000216	9.84E-06	3.53E-05	5.30E-06	1.64E-05
4629	438394.4	3762557	6.44E-05	0.00022	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4630	438398.2	3762566	6.55E-05	0.000223	1.02E-05	3.65E-05	5.48E-06	1.69E-05
4631	438402	3762575	6.65E-05	0.000227	1.03E-05	3.71E-05	5.57E-06	1.72E-05
4632	438405.7	3762584	6.76E-05	0.00023	1.05E-05	3.76E-05	5.66E-06	1.75E-05
4633	438409.5	3762593	6.86E-05	0.000234	1.07E-05	3.82E-05	5.74E-06	1.77E-05
4634	438413.3	3762602	6.97E-05	0.000238	1.08E-05	3.88E-05	5.83E-06	1.80E-05
4635	438417	3762611	7.07E-05	0.000241	1.10E-05	3.94E-05	5.92E-06	1.83E-05
4636	438420.8	3762620	7.18E-05	0.000245	1.12E-05	4.00E-05	6.01E-06	1.85E-05
4637	438424.6	3762629	7.28E-05	0.000248	1.13E-05	4.06E-05	6.09E-06	1.88E-05
4638	438428.4	3762638	7.38E-05	0.000252	1.15E-05	4.11E-05	6.18E-06	1.91E-05
4639	438432.1	3762647	7.48E-05	0.000255	1.16E-05	4.17E-05	6.26E-06	1.93E-05
4640	438435.9	3762656	7.58E-05	0.000258	1.18E-05	4.22E-05	6.34E-06	1.96E-05
4641	438439.7	3762666	7.68E-05	0.000262	1.19E-05	4.28E-05	6.42E-06	1.98E-05
4642	437384	3762675	0.001236	0.004216	1.92E-04	6.89E-04	1.03E-04	3.19E-04
4643	437384	3762691	0.00173	0.0059	2.69E-04	9.64E-04	1.45E-04	4.47E-04
4644	437376.9	3762668	0.001028	0.003504	1.60E-04	5.72E-04	8.60E-05	2.65E-04
4645	437374	3762683	0.001321	0.004504	2.05E-04	7.36E-04	1.11E-04	3.41E-04
4646	437366.9	3762668	0.000948	0.003232	1.47E-04	5.28E-04	7.93E-05	2.45E-04
4647	437379.8	3762651	0.000798	0.00272	1.24E-04	4.44E-04	6.68E-05	2.06E-04
4648	437364	3762683	0.001193	0.004068	1.85E-04	6.65E-04	9.98E-05	3.08E-04
4649	437356.9	3762668	0.000871	0.002969	1.35E-04	4.85E-04	7.29E-05	2.25E-04
4650	437362.7	3762654	0.000742	0.002531	1.15E-04	4.13E-04	6.21E-05	1.92E-04
4651	437372.7	3762644	0.000689	0.00235	1.07E-04	3.84E-04	5.77E-05	1.78E-04
4652	437354	3762683	0.001073	0.003659	1.67E-04	5.98E-04	8.98E-05	2.77E-04
4653	437354	3762699	0.001417	0.004833	2.20E-04	7.89E-04	1.19E-04	3.66E-04
4654	437346.9	3762668	0.000799	0.002724	1.24E-04	4.45E-04	6.69E-05	2.06E-04
4655	437352.7	3762654	0.000691	0.002357	1.07E-04	3.85E-04	5.78E-05	1.79E-04
4656	437365.6	3762637	0.000602	0.002051	9.35E-05	3.35E-04	5.04E-05	1.55E-04
4657	437379.7	3762631	0.000602	0.002054	9.36E-05	3.36E-04	5.04E-05	1.56E-04
4658	437344	3762683	0.000964	0.003287	1.50E-04	5.37E-04	8.07E-05	2.49E-04
4659	437344	3762699	0.001231	0.004199	1.91E-04	6.86E-04	1.03E-04	3.18E-04
4660	437336.9	3762668	0.000732	0.002495	1.14E-04	4.08E-04	6.12E-05	1.89E-04
4661	437342.7	3762654	0.000643	0.002191	9.98E-05	3.58E-04	5.38E-05	1.66E-04
4662	437348.6	3762640	0.000563	0.001921	8.75E-05	3.14E-04	4.72E-05	1.46E-04
4663	437358.5	3762630	0.00053	0.001808	8.24E-05	2.95E-04	4.44E-05	1.37E-04
4664	437372.6	3762624	0.000531	0.001812	8.26E-05	2.96E-04	4.45E-05	1.37E-04
4665	437334	3762683	0.000864	0.002947	1.34E-04	4.81E-04	7.23E-05	2.23E-04
4666	437326.9	3762668	0.000669	0.002282	1.04E-04	3.73E-04	5.60E-05	1.73E-04
4667	437332.7	3762654	0.000596	0.002034	9.27E-05	3.32E-04	4.99E-05	1.54E-04
4668	437338.6	3762640	0.000529	0.001804	8.22E-05	2.95E-04	4.43E-05	1.37E-04
4669	437351.4	3762623	0.000471	0.001606	7.32E-05	2.62E-04	3.94E-05	1.22E-04
4670	437365.5	3762617	0.000473	0.001611	7.34E-05	2.63E-04	3.96E-05	1.22E-04
4671	437379.6	3762611	0.00047	0.001604	7.31E-05	2.62E-04	3.94E-05	1.22E-04
4672	437324	3762683	0.000775	0.002644	1.20E-04	4.32E-04	6.49E-05	2.00E-04
4673	437316.9	3762668	0.000612	0.002088	9.51E-05	3.41E-04	5.13E-05	1.58E-04
4674	437322.7	3762654	0.000553	0.001885	8.59E-05	3.08E-04	4.63E-05	1.43E-04
4675	437328.6	3762640	0.000496	0.001691	7.71E-05	2.76E-04	4.15E-05	1.28E-04
4676	437334.4	3762625	0.000443	0.001512	6.89E-05	2.47E-04	3.71E-05	1.15E-04

4677	437344.4	3762615	0.000421	0.001436	6.54E-05	2.35E-04	3.52E-05	1.09E-04
4678	437358.4	3762610	0.000423	0.001442	6.57E-05	2.36E-04	3.54E-05	1.09E-04
4679	437372.5	3762604	0.000422	0.001438	6.55E-05	2.35E-04	3.53E-05	1.09E-04
4680	437314	3762683	0.000698	0.00238	1.08E-04	3.89E-04	5.84E-05	1.80E-04
4681	437306.9	3762668	0.000561	0.001912	8.71E-05	3.12E-04	4.69E-05	1.45E-04
4682	437312.7	3762654	0.000512	0.001747	7.96E-05	2.85E-04	4.29E-05	1.32E-04
4683	437318.6	3762640	0.000465	0.001584	7.22E-05	2.59E-04	3.89E-05	1.20E-04
4684	437324.4	3762625	0.000419	0.001429	6.51E-05	2.33E-04	3.51E-05	1.08E-04
4685	437337.3	3762608	0.000379	0.001292	5.89E-05	2.11E-04	3.17E-05	9.79E-05
4686	437351.4	3762603	0.000381	0.001299	5.92E-05	2.12E-04	3.19E-05	9.84E-05
4687	437365.5	3762597	0.00038	0.001296	5.91E-05	2.12E-04	3.18E-05	9.82E-05
4688	437379.5	3762591	0.000377	0.001285	5.85E-05	2.10E-04	3.15E-05	9.73E-05
4689	437304	3762683	0.000631	0.00215	9.80E-05	3.51E-04	5.28E-05	1.63E-04
4690	437296.9	3762668	0.000514	0.001753	7.99E-05	2.86E-04	4.30E-05	1.33E-04
4691	437302.7	3762654	0.000475	0.001618	7.37E-05	2.64E-04	3.97E-05	1.23E-04
4692	437308.6	3762640	0.000435	0.001482	6.75E-05	2.42E-04	3.64E-05	1.12E-04
4693	437314.4	3762625	0.000395	0.001348	6.14E-05	2.20E-04	3.31E-05	1.02E-04
4694	437320.2	3762611	0.000358	0.001221	5.57E-05	2.00E-04	3.00E-05	9.26E-05
4695	437330.2	3762601	0.000343	0.001169	5.32E-05	1.91E-04	2.87E-05	8.85E-05
4696	437344.3	3762595	0.000345	0.001175	5.36E-05	1.92E-04	2.89E-05	8.91E-05
4697	437358.4	3762590	0.000344	0.001174	5.35E-05	1.92E-04	2.88E-05	8.90E-05
4698	437372.5	3762584	0.000342	0.001165	5.31E-05	1.90E-04	2.86E-05	8.83E-05
4699	437294	3762683	0.000572	0.001951	8.89E-05	3.19E-04	4.79E-05	1.48E-04
4700	437276.9	3762668	0.000435	0.001482	6.75E-05	2.42E-04	3.64E-05	1.12E-04
4701	437282.7	3762654	0.000407	0.001389	6.33E-05	2.27E-04	3.41E-05	1.05E-04
4702	437288.6	3762640	0.000379	0.001293	5.89E-05	2.11E-04	3.17E-05	9.80E-05
4703	437294.4	3762625	0.000351	0.001196	5.45E-05	1.95E-04	2.94E-05	9.07E-05
4704	437300.2	3762611	0.000323	0.0011	5.01E-05	1.80E-04	2.70E-05	8.34E-05
4705	437306.1	3762597	0.000296	0.001008	4.59E-05	1.65E-04	2.47E-05	7.64E-05
4706	437316	3762587	0.000284	0.00097	4.42E-05	1.58E-04	2.38E-05	7.35E-05
4707	437330.1	3762581	0.000286	0.000976	4.45E-05	1.59E-04	2.40E-05	7.40E-05
4708	437344.2	3762575	0.000286	0.000976	4.45E-05	1.60E-04	2.40E-05	7.40E-05
4709	437358.3	3762570	0.000285	0.000971	4.42E-05	1.59E-04	2.38E-05	7.36E-05
4710	437372.4	3762564	0.000282	0.000961	4.38E-05	1.57E-04	2.36E-05	7.28E-05
4711	437274	3762683	0.000476	0.001622	7.39E-05	2.65E-04	3.98E-05	1.23E-04
4712	437256.9	3762668	0.000371	0.001266	5.77E-05	2.07E-04	3.11E-05	9.59E-05
4713	437262.7	3762654	0.000352	0.0012	5.47E-05	1.96E-04	2.94E-05	9.09E-05
4714	437268.6	3762640	0.000332	0.001131	5.15E-05	1.85E-04	2.78E-05	8.57E-05
4715	437274.4	3762625	0.000311	0.001059	4.83E-05	1.73E-04	2.60E-05	8.03E-05
4716	437280.2	3762611	0.000289	0.000987	4.50E-05	1.61E-04	2.42E-05	7.48E-05
4717	437301.8	3762573	0.00024	0.000818	3.73E-05	1.34E-04	2.01E-05	6.20E-05
4718	437315.9	3762567	0.000242	0.000824	3.76E-05	1.35E-04	2.02E-05	6.25E-05
4719	437330	3762561	0.000242	0.000825	3.76E-05	1.35E-04	2.03E-05	6.25E-05
4720	437344.1	3762555	0.000241	0.000822	3.74E-05	1.34E-04	2.02E-05	6.23E-05
4721	437358.2	3762550	0.000239	0.000814	3.71E-05	1.33E-04	2.00E-05	6.17E-05
4722	437372.3	3762544	0.000236	0.000804	3.66E-05	1.31E-04	1.97E-05	6.09E-05
4723	437254	3762683	0.000401	0.001367	6.23E-05	2.23E-04	3.35E-05	1.04E-04
4724	437236.9	3762668	0.000322	0.001097	5.00E-05	1.79E-04	2.69E-05	8.31E-05
4725	437242.7	3762654	0.000307	0.001046	4.77E-05	1.71E-04	2.57E-05	7.93E-05
4726	437248.6	3762640	0.000291	0.000993	4.53E-05	1.62E-04	2.44E-05	7.53E-05
4727	437254.4	3762625	0.000276	0.00094	4.28E-05	1.54E-04	2.31E-05	7.12E-05
4728	437260.2	3762611	0.00026	0.000885	4.03E-05	1.45E-04	2.17E-05	6.71E-05

4729	437287.7	3762559	0.000205	0.000699	3.18E-05	1.14E-04	1.71E-05	5.29E-05
4730	437301.8	3762553	0.000207	0.000704	3.21E-05	1.15E-04	1.73E-05	5.34E-05
4731	437315.9	3762547	0.000207	0.000706	3.22E-05	1.15E-04	1.73E-05	5.35E-05
4732	437330	3762541	0.000206	0.000704	3.21E-05	1.15E-04	1.73E-05	5.34E-05
4733	437344	3762535	0.000205	0.000699	3.18E-05	1.14E-04	1.72E-05	5.30E-05
4734	437358.1	3762530	0.000203	0.000691	3.15E-05	1.13E-04	1.70E-05	5.23E-05
4735	437372.2	3762524	0.000199	0.00068	3.10E-05	1.11E-04	1.67E-05	5.15E-05
4736	437234	3762683	0.000344	0.001174	5.35E-05	1.92E-04	2.88E-05	8.89E-05
4737	437216.9	3762668	0.000281	0.000957	4.36E-05	1.56E-04	2.35E-05	7.25E-05
4738	437222.7	3762654	0.00027	0.00092	4.19E-05	1.50E-04	2.26E-05	6.97E-05
4739	437228.6	3762640	0.000258	0.00088	4.01E-05	1.44E-04	2.16E-05	6.67E-05
4740	437234.4	3762625	0.000246	0.000838	3.82E-05	1.37E-04	2.06E-05	6.35E-05
4741	437240.2	3762611	0.000233	0.000795	3.62E-05	1.30E-04	1.95E-05	6.03E-05
4742	437287.6	3762539	0.000179	0.000609	2.77E-05	9.95E-05	1.49E-05	4.61E-05
4743	437301.7	3762533	0.000179	0.000611	2.78E-05	9.98E-05	1.50E-05	4.63E-05
4744	437315.8	3762527	0.000179	0.00061	2.78E-05	9.96E-05	1.50E-05	4.62E-05
4745	437329.9	3762521	0.000178	0.000606	2.76E-05	9.90E-05	1.49E-05	4.59E-05
4746	437344	3762515	0.000176	0.0006	2.73E-05	9.80E-05	1.47E-05	4.54E-05
4747	437358.1	3762510	0.000173	0.000591	2.70E-05	9.66E-05	1.45E-05	4.48E-05
4748	437372.2	3762504	0.000171	0.000582	2.65E-05	9.51E-05	1.43E-05	4.41E-05
4749	437214	3762683	0.000297	0.001014	4.62E-05	1.66E-04	2.49E-05	7.68E-05
4750	437196.9	3762668	0.000246	0.000839	3.82E-05	1.37E-04	2.06E-05	6.36E-05
4751	437202.7	3762654	0.000238	0.000812	3.70E-05	1.33E-04	1.99E-05	6.15E-05
4752	437208.6	3762640	0.000229	0.000782	3.56E-05	1.28E-04	1.92E-05	5.92E-05
4753	437214.4	3762625	0.00022	0.000749	3.41E-05	1.22E-04	1.84E-05	5.68E-05
4754	437220.2	3762611	0.00021	0.000716	3.26E-05	1.17E-04	1.76E-05	5.43E-05
4755	437259.3	3762531	0.000155	0.000527	2.40E-05	8.61E-05	1.29E-05	4.00E-05
4756	437273.4	3762525	0.000156	0.000532	2.42E-05	8.69E-05	1.31E-05	4.03E-05
4757	437287.5	3762519	0.000157	0.000534	2.43E-05	8.72E-05	1.31E-05	4.04E-05
4758	437301.6	3762513	0.000156	0.000533	2.43E-05	8.71E-05	1.31E-05	4.04E-05
4759	437315.7	3762507	0.000155	0.00053	2.42E-05	8.66E-05	1.30E-05	4.02E-05
4760	437329.8	3762501	0.000154	0.000526	2.40E-05	8.59E-05	1.29E-05	3.98E-05
4761	437343.9	3762495	0.000152	0.000519	2.37E-05	8.49E-05	1.28E-05	3.94E-05
4762	437358	3762490	0.00015	0.000512	2.33E-05	8.36E-05	1.26E-05	3.88E-05
4763	437372.1	3762484	0.000148	0.000503	2.29E-05	8.22E-05	1.24E-05	3.81E-05
4764	437194	3762683	0.000259	0.000882	4.02E-05	1.44E-04	2.16E-05	6.68E-05
4765	437200.2	3762611	0.000189	0.000646	2.94E-05	1.05E-04	1.58E-05	4.89E-05
4766	437229.4	3762541	0.000148	0.000505	2.30E-05	8.24E-05	1.24E-05	3.82E-05
4767	437235.2	3762527	0.00014	0.000476	2.17E-05	7.78E-05	1.17E-05	3.61E-05
4768	437245.2	3762517	0.000136	0.000465	2.12E-05	7.59E-05	1.14E-05	3.52E-05
4769	437259.3	3762511	0.000137	0.000468	2.13E-05	7.65E-05	1.15E-05	3.55E-05
4770	437273.4	3762505	0.000138	0.00047	2.14E-05	7.69E-05	1.15E-05	3.56E-05
4771	437287.4	3762499	0.000138	0.00047	2.14E-05	7.68E-05	1.15E-05	3.56E-05
4772	437301.5	3762493	0.000137	0.000468	2.13E-05	7.65E-05	1.15E-05	3.55E-05
4773	437315.6	3762487	0.000136	0.000465	2.12E-05	7.59E-05	1.14E-05	3.52E-05
4774	437329.7	3762481	0.000135	0.00046	2.09E-05	7.51E-05	1.13E-05	3.48E-05
4775	437343.8	3762475	0.000133	0.000453	2.07E-05	7.41E-05	1.11E-05	3.44E-05
4776	437357.9	3762470	0.000131	0.000446	2.03E-05	7.29E-05	1.10E-05	3.38E-05
4777	437372	3762464	0.000129	0.000439	2.00E-05	7.17E-05	1.08E-05	3.32E-05
4778	437209.4	3762541	0.000138	0.000469	2.14E-05	7.67E-05	1.15E-05	3.56E-05
4779	437215.2	3762527	0.000131	0.000446	2.03E-05	7.28E-05	1.09E-05	3.38E-05
4780	437221	3762513	0.000124	0.000422	1.92E-05	6.89E-05	1.04E-05	3.20E-05

4781	437231	3762503	0.000121	0.000413	1.88E-05	6.74E-05	1.01E-05	3.13E-05
4782	437245.1	3762497	0.000122	0.000416	1.89E-05	6.79E-05	1.02E-05	3.15E-05
4783	437259.2	3762491	0.000122	0.000418	1.90E-05	6.82E-05	1.03E-05	3.16E-05
4784	437273.3	3762485	0.000123	0.000418	1.90E-05	6.83E-05	1.03E-05	3.17E-05
4785	437287.4	3762479	0.000122	0.000416	1.90E-05	6.80E-05	1.02E-05	3.16E-05
4786	437301.5	3762473	0.000121	0.000414	1.88E-05	6.76E-05	1.02E-05	3.13E-05
4787	437315.6	3762467	0.00012	0.000409	1.87E-05	6.69E-05	1.01E-05	3.10E-05
4788	437329.6	3762461	0.000119	0.000404	1.84E-05	6.61E-05	9.93E-06	3.06E-05
4789	437343.7	3762455	0.000117	0.000399	1.82E-05	6.51E-05	9.78E-06	3.02E-05
4790	437357.8	3762450	0.000115	0.000392	1.79E-05	6.40E-05	9.62E-06	2.97E-05
4791	437371.9	3762444	0.000113	0.000385	1.76E-05	6.29E-05	9.46E-06	2.92E-05
4792	437137	3762668	0.000172	0.000585	2.67E-05	9.56E-05	1.44E-05	4.43E-05
4793	437143.1	3762653	0.000168	0.000573	2.61E-05	9.35E-05	1.41E-05	4.34E-05
4794	437191.6	3762535	0.000126	0.000428	1.95E-05	7.00E-05	1.05E-05	3.24E-05
4795	437197.7	3762521	0.00012	0.000408	1.86E-05	6.66E-05	1.00E-05	3.09E-05
4796	437203.7	3762506	0.000113	0.000387	1.76E-05	6.32E-05	9.50E-06	2.93E-05
4797	437217.1	3762488	0.000108	0.000369	1.68E-05	6.02E-05	9.05E-06	2.79E-05
4798	437231.8	3762482	0.000109	0.000372	1.69E-05	6.07E-05	9.12E-06	2.82E-05
4799	437246.4	3762476	0.000109	0.000373	1.70E-05	6.10E-05	9.16E-06	2.83E-05
4800	437261.1	3762470	0.00011	0.000374	1.70E-05	6.10E-05	9.17E-06	2.83E-05
4801	437275.7	3762464	0.000109	0.000372	1.70E-05	6.08E-05	9.14E-06	2.82E-05
4802	437290.4	3762458	0.000108	0.00037	1.69E-05	6.04E-05	9.08E-06	2.80E-05
4803	437305	3762452	0.000107	0.000366	1.67E-05	5.98E-05	8.99E-06	2.77E-05
4804	437319.7	3762445	0.000106	0.000362	1.65E-05	5.91E-05	8.87E-06	2.74E-05
4805	437334.4	3762439	0.000104	0.000356	1.62E-05	5.82E-05	8.74E-06	2.70E-05
4806	437349	3762433	0.000103	0.00035	1.60E-05	5.72E-05	8.60E-06	2.66E-05
4807	437363.7	3762427	0.000101	0.000344	1.57E-05	5.63E-05	8.45E-06	2.61E-05
4808	437378.3	3762421	9.92E-05	0.000338	1.54E-05	5.52E-05	8.30E-06	2.56E-05
4809	437134	3762683	0.000178	0.000607	2.76E-05	9.91E-05	1.49E-05	4.60E-05
4810	437134	3762699	0.000187	0.000638	2.91E-05	1.04E-04	1.57E-05	4.83E-05
4811	437117	3762668	0.000154	0.000525	2.39E-05	8.58E-05	1.29E-05	3.98E-05
4812	437123.1	3762653	0.000151	0.000516	2.35E-05	8.42E-05	1.27E-05	3.91E-05
4813	437129.1	3762638	0.000148	0.000504	2.29E-05	8.23E-05	1.24E-05	3.82E-05
4814	437135.1	3762624	0.000144	0.000491	2.24E-05	8.02E-05	1.20E-05	3.72E-05
4815	437141.2	3762609	0.00014	0.000477	2.17E-05	7.79E-05	1.17E-05	3.62E-05
4816	437147.2	3762594	0.000136	0.000463	2.11E-05	7.56E-05	1.14E-05	3.51E-05
4817	437189.6	3762492	0.000102	0.000347	1.58E-05	5.66E-05	8.51E-06	2.63E-05
4818	437202.9	3762474	9.72E-05	0.000331	1.51E-05	5.41E-05	8.13E-06	2.51E-05
4819	437217.5	3762468	9.79E-05	0.000334	1.52E-05	5.46E-05	8.20E-06	2.53E-05
4820	437232.2	3762462	9.84E-05	0.000335	1.53E-05	5.48E-05	8.23E-06	2.54E-05
4821	437246.8	3762456	9.84E-05	0.000336	1.53E-05	5.48E-05	8.24E-06	2.54E-05
4822	437261.4	3762450	9.83E-05	0.000335	1.53E-05	5.47E-05	8.22E-06	2.54E-05
4823	437276	3762444	9.78E-05	0.000333	1.52E-05	5.45E-05	8.18E-06	2.53E-05
4824	437290.6	3762438	9.69E-05	0.00033	1.51E-05	5.40E-05	8.11E-06	2.50E-05
4825	437305.2	3762431	9.58E-05	0.000327	1.49E-05	5.33E-05	8.02E-06	2.47E-05
4826	437319.8	3762425	9.45E-05	0.000322	1.47E-05	5.26E-05	7.91E-06	2.44E-05
4827	437334.5	3762419	9.3E-05	0.000317	1.45E-05	5.18E-05	7.78E-06	2.40E-05
4828	437349.1	3762413	9.15E-05	0.000312	1.42E-05	5.09E-05	7.66E-06	2.36E-05
4829	437363.7	3762407	8.99E-05	0.000306	1.40E-05	5.01E-05	7.52E-06	2.32E-05
4830	437378.3	3762401	8.83E-05	0.000301	1.37E-05	4.92E-05	7.39E-06	2.28E-05
4831	437114	3762683	0.000159	0.000543	2.47E-05	8.87E-05	1.33E-05	4.11E-05
4832	437114	3762699	0.000167	0.000568	2.59E-05	9.28E-05	1.39E-05	4.31E-05

4833	437097	3762668	0.000139	0.000474	2.16E-05	7.75E-05	1.16E-05	3.59E-05
4834	437103	3762653	0.000137	0.000466	2.13E-05	7.62E-05	1.15E-05	3.53E-05
4835	437109.1	3762638	0.000134	0.000457	2.08E-05	7.47E-05	1.12E-05	3.46E-05
4836	437115.1	3762624	0.000131	0.000447	2.03E-05	7.30E-05	1.10E-05	3.38E-05
4837	437121.1	3762609	0.000128	0.000435	1.98E-05	7.11E-05	1.07E-05	3.30E-05
4838	437127.2	3762595	0.000124	0.000423	1.93E-05	6.92E-05	1.04E-05	3.21E-05
4839	437133.2	3762580	0.000121	0.000411	1.87E-05	6.72E-05	1.01E-05	3.12E-05
4840	437139.2	3762565	0.000117	0.000398	1.82E-05	6.51E-05	9.78E-06	3.02E-05
4841	437145.3	3762551	0.000113	0.000385	1.75E-05	6.29E-05	9.45E-06	2.92E-05
4842	437188.7	3762460	8.79E-05	0.0003	1.37E-05	4.90E-05	7.36E-06	2.27E-05
4843	437203.3	3762454	8.86E-05	0.000302	1.38E-05	4.93E-05	7.41E-06	2.29E-05
4844	437217.9	3762448	8.9E-05	0.000303	1.38E-05	4.96E-05	7.45E-06	2.30E-05
4845	437232.5	3762442	8.91E-05	0.000304	1.38E-05	4.96E-05	7.46E-06	2.30E-05
4846	437247	3762436	8.89E-05	0.000303	1.38E-05	4.95E-05	7.44E-06	2.30E-05
4847	437261.6	3762430	8.85E-05	0.000302	1.38E-05	4.93E-05	7.41E-06	2.29E-05
4848	437276.2	3762424	8.79E-05	0.0003	1.37E-05	4.89E-05	7.35E-06	2.27E-05
4849	437290.8	3762417	8.69E-05	0.000296	1.35E-05	4.84E-05	7.28E-06	2.25E-05
4850	437305.4	3762411	8.58E-05	0.000293	1.33E-05	4.78E-05	7.18E-06	2.22E-05
4851	437319.9	3762405	8.46E-05	0.000288	1.31E-05	4.71E-05	7.08E-06	2.19E-05
4852	437334.5	3762399	8.32E-05	0.000284	1.29E-05	4.64E-05	6.97E-06	2.15E-05
4853	437349.1	3762393	8.18E-05	0.000279	1.27E-05	4.56E-05	6.85E-06	2.11E-05
4854	437363.7	3762387	8.05E-05	0.000274	1.25E-05	4.48E-05	6.74E-06	2.08E-05
4855	437378.3	3762381	7.91E-05	0.00027	1.23E-05	4.41E-05	6.62E-06	2.04E-05
4856	437094	3762683	0.000143	0.000488	2.22E-05	7.97E-05	1.20E-05	3.70E-05
4857	437094	3762699	0.000149	0.000509	2.32E-05	8.32E-05	1.25E-05	3.86E-05
4858	437067	3762668	0.00012	0.00041	1.87E-05	6.69E-05	1.01E-05	3.10E-05
4859	437073	3762653	0.000119	0.000404	1.84E-05	6.60E-05	9.92E-06	3.06E-05
4860	437079	3762638	0.000117	0.000398	1.81E-05	6.50E-05	9.76E-06	3.01E-05
4861	437085	3762624	0.000114	0.00039	1.78E-05	6.37E-05	9.57E-06	2.96E-05
4862	437091	3762609	0.000112	0.000382	1.74E-05	6.24E-05	9.37E-06	2.89E-05
4863	437097.1	3762595	0.000109	0.000373	1.70E-05	6.09E-05	9.15E-06	2.82E-05
4864	437103.1	3762580	0.000106	0.000363	1.65E-05	5.93E-05	8.91E-06	2.75E-05
4865	437109.1	3762566	0.000104	0.000353	1.61E-05	5.77E-05	8.66E-06	2.67E-05
4866	437115.1	3762551	0.000101	0.000343	1.56E-05	5.60E-05	8.42E-06	2.60E-05
4867	437121.1	3762537	9.75E-05	0.000332	1.51E-05	5.43E-05	8.16E-06	2.52E-05
4868	437127.1	3762522	9.43E-05	0.000322	1.47E-05	5.25E-05	7.89E-06	2.44E-05
4869	437133.1	3762507	9.1E-05	0.00031	1.41E-05	5.07E-05	7.62E-06	2.35E-05
4870	437139.1	3762493	8.76E-05	0.000299	1.36E-05	4.88E-05	7.34E-06	2.26E-05
4871	437182	3762433	7.7E-05	0.000263	1.20E-05	4.29E-05	6.44E-06	1.99E-05
4872	437196.5	3762427	7.74E-05	0.000264	1.20E-05	4.31E-05	6.47E-06	2.00E-05
4873	437211.1	3762421	7.75E-05	0.000264	1.20E-05	4.32E-05	6.49E-06	2.00E-05
4874	437225.6	3762415	7.74E-05	0.000264	1.20E-05	4.31E-05	6.48E-06	2.00E-05
4875	437240.1	3762409	7.7E-05	0.000263	1.20E-05	4.29E-05	6.45E-06	1.99E-05
4876	437254.7	3762403	7.65E-05	0.000261	1.19E-05	4.26E-05	6.40E-06	1.98E-05
4877	437269.2	3762396	7.58E-05	0.000259	1.18E-05	4.22E-05	6.35E-06	1.96E-05
4878	437283.7	3762390	7.5E-05	0.000256	1.16E-05	4.18E-05	6.27E-06	1.94E-05
4879	437298.3	3762384	7.4E-05	0.000252	1.15E-05	4.12E-05	6.19E-06	1.91E-05
4880	437312.8	3762378	7.29E-05	0.000249	1.13E-05	4.06E-05	6.10E-06	1.88E-05
4881	437327.3	3762372	7.17E-05	0.000245	1.11E-05	4.00E-05	6.01E-06	1.85E-05
4882	437341.9	3762366	7.06E-05	0.000241	1.10E-05	3.93E-05	5.91E-06	1.82E-05
4883	437356.4	3762360	6.94E-05	0.000237	1.08E-05	3.87E-05	5.81E-06	1.79E-05
4884	437370.9	3762354	6.83E-05	0.000233	1.06E-05	3.80E-05	5.72E-06	1.76E-05

4885	437064	3762683	0.000123	0.00042	1.91E-05	6.86E-05	1.03E-05	3.18E-05
4886	437064	3762699	0.000128	0.000436	1.99E-05	7.12E-05	1.07E-05	3.30E-05
4887	437037	3762668	0.000105	0.000357	1.63E-05	5.84E-05	8.77E-06	2.71E-05
4888	437043	3762653	0.000104	0.000354	1.61E-05	5.78E-05	8.68E-06	2.68E-05
4889	437049	3762639	0.000102	0.000349	1.59E-05	5.70E-05	8.56E-06	2.64E-05
4890	437055	3762624	0.000101	0.000343	1.56E-05	5.60E-05	8.42E-06	2.60E-05
4891	437061	3762610	9.87E-05	0.000337	1.53E-05	5.50E-05	8.26E-06	2.55E-05
4892	437067	3762595	9.66E-05	0.00033	1.50E-05	5.38E-05	8.09E-06	2.50E-05
4893	437073	3762580	9.43E-05	0.000322	1.47E-05	5.25E-05	7.89E-06	2.44E-05
4894	437079	3762566	9.19E-05	0.000314	1.43E-05	5.12E-05	7.70E-06	2.38E-05
4895	437085	3762551	8.97E-05	0.000306	1.39E-05	5.00E-05	7.51E-06	2.32E-05
4896	437091	3762537	8.74E-05	0.000298	1.36E-05	4.87E-05	7.31E-06	2.26E-05
4897	437097	3762522	8.5E-05	0.00029	1.32E-05	4.73E-05	7.11E-06	2.20E-05
4898	437103	3762508	8.25E-05	0.000281	1.28E-05	4.59E-05	6.90E-06	2.13E-05
4899	437109	3762493	7.99E-05	0.000272	1.24E-05	4.45E-05	6.69E-06	2.06E-05
4900	437126.9	3762450	7.21E-05	0.000246	1.12E-05	4.02E-05	6.03E-06	1.86E-05
4901	437132.9	3762435	6.94E-05	0.000237	1.08E-05	3.87E-05	5.81E-06	1.79E-05
4902	437146.2	3762418	6.7E-05	0.000229	1.04E-05	3.73E-05	5.61E-06	1.73E-05
4903	437189.7	3762400	6.79E-05	0.000232	1.06E-05	3.78E-05	5.68E-06	1.75E-05
4904	437204.2	3762394	6.78E-05	0.000231	1.05E-05	3.78E-05	5.68E-06	1.75E-05
4905	437218.7	3762387	6.76E-05	0.000231	1.05E-05	3.77E-05	5.66E-06	1.75E-05
4906	437233.2	3762381	6.72E-05	0.000229	1.04E-05	3.75E-05	5.63E-06	1.74E-05
4907	437247.7	3762375	6.67E-05	0.000227	1.04E-05	3.72E-05	5.58E-06	1.72E-05
4908	437262.1	3762369	6.6E-05	0.000225	1.03E-05	3.68E-05	5.53E-06	1.71E-05
4909	437276.6	3762363	6.53E-05	0.000223	1.01E-05	3.64E-05	5.46E-06	1.69E-05
4910	437291.1	3762357	6.44E-05	0.00022	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4911	437305.6	3762351	6.34E-05	0.000216	9.86E-06	3.53E-05	5.31E-06	1.64E-05
4912	437320.1	3762345	6.25E-05	0.000213	9.70E-06	3.48E-05	5.23E-06	1.61E-05
4913	437334.6	3762339	6.15E-05	0.00021	9.55E-06	3.42E-05	5.14E-06	1.59E-05
4914	437349.1	3762333	6.05E-05	0.000206	9.40E-06	3.37E-05	5.06E-06	1.56E-05
4915	437363.6	3762327	5.95E-05	0.000203	9.25E-06	3.32E-05	4.98E-06	1.54E-05
4916	437378.1	3762321	5.86E-05	0.0002	9.11E-06	3.27E-05	4.91E-06	1.51E-05
4917	437034	3762683	0.000107	0.000366	1.67E-05	5.97E-05	8.97E-06	2.77E-05
4918	437034	3762699	0.000111	0.000378	1.72E-05	6.17E-05	9.28E-06	2.86E-05
4919	437007	3762668	9.23E-05	0.000315	1.43E-05	5.14E-05	7.73E-06	2.38E-05
4920	437013	3762653	9.15E-05	0.000312	1.42E-05	5.10E-05	7.66E-06	2.36E-05
4921	437018.9	3762639	9.04E-05	0.000308	1.40E-05	5.03E-05	7.56E-06	2.34E-05
4922	437024.9	3762624	8.91E-05	0.000304	1.38E-05	4.96E-05	7.46E-06	2.30E-05
4923	437030.9	3762610	8.77E-05	0.000299	1.36E-05	4.88E-05	7.34E-06	2.27E-05
4924	437036.9	3762595	8.6E-05	0.000293	1.34E-05	4.79E-05	7.20E-06	2.22E-05
4925	437042.9	3762581	8.4E-05	0.000286	1.31E-05	4.68E-05	7.03E-06	2.17E-05
4926	437048.9	3762566	8.2E-05	0.00028	1.27E-05	4.57E-05	6.86E-06	2.12E-05
4927	437054.9	3762552	8.02E-05	0.000274	1.25E-05	4.47E-05	6.72E-06	2.07E-05
4928	437060.8	3762537	7.84E-05	0.000267	1.22E-05	4.37E-05	6.56E-06	2.03E-05
4929	437066.8	3762523	7.66E-05	0.000261	1.19E-05	4.27E-05	6.41E-06	1.98E-05
4930	437072.8	3762508	7.47E-05	0.000255	1.16E-05	4.16E-05	6.25E-06	1.93E-05
4931	437078.8	3762494	7.27E-05	0.000248	1.13E-05	4.05E-05	6.08E-06	1.88E-05
4932	437096.7	3762450	6.65E-05	0.000227	1.03E-05	3.70E-05	5.56E-06	1.72E-05
4933	437102.7	3762436	6.44E-05	0.00022	1.00E-05	3.59E-05	5.39E-06	1.66E-05
4934	437108.7	3762421	6.23E-05	0.000212	9.68E-06	3.47E-05	5.21E-06	1.61E-05
4935	437114.7	3762407	6E-05	0.000205	9.33E-06	3.34E-05	5.03E-06	1.55E-05
4936	437124.9	3762397	5.92E-05	0.000202	9.19E-06	3.30E-05	4.95E-06	1.53E-05

4937	437139.4	3762391	5.96E-05	0.000203	9.26E-06	3.32E-05	4.99E-06	1.54E-05
4938	437182.8	3762372	6E-05	0.000205	9.33E-06	3.34E-05	5.02E-06	1.55E-05
4939	437197.2	3762366	5.99E-05	0.000204	9.30E-06	3.34E-05	5.01E-06	1.55E-05
4940	437211.7	3762360	5.95E-05	0.000203	9.24E-06	3.31E-05	4.98E-06	1.54E-05
4941	437226.2	3762354	5.91E-05	0.000201	9.18E-06	3.29E-05	4.95E-06	1.53E-05
4942	437240.6	3762348	5.86E-05	0.0002	9.11E-06	3.26E-05	4.90E-06	1.51E-05
4943	437255.1	3762342	5.8E-05	0.000198	9.01E-06	3.23E-05	4.85E-06	1.50E-05
4944	437269.5	3762336	5.73E-05	0.000195	8.90E-06	3.19E-05	4.80E-06	1.48E-05
4945	437284	3762330	5.65E-05	0.000193	8.78E-06	3.15E-05	4.73E-06	1.46E-05
4946	437298.5	3762324	5.57E-05	0.00019	8.66E-06	3.10E-05	4.66E-06	1.44E-05
4947	437312.9	3762318	5.49E-05	0.000187	8.52E-06	3.06E-05	4.59E-06	1.42E-05
4948	437327.4	3762312	5.4E-05	0.000184	8.39E-06	3.01E-05	4.52E-06	1.40E-05
4949	437341.9	3762306	5.32E-05	0.000181	8.26E-06	2.96E-05	4.45E-06	1.37E-05
4950	437356.3	3762300	5.24E-05	0.000179	8.14E-06	2.92E-05	4.38E-06	1.35E-05
4951	437370.8	3762294	5.16E-05	0.000176	8.02E-06	2.88E-05	4.32E-06	1.33E-05
4952	437004	3762683	9.41E-05	0.000321	1.46E-05	5.24E-05	7.88E-06	2.43E-05
4953	437004	3762699	9.69E-05	0.000331	1.51E-05	5.40E-05	8.11E-06	2.50E-05
4954	436977	3762668	8.19E-05	0.000279	1.27E-05	4.56E-05	6.86E-06	2.12E-05
4955	436982.9	3762653	8.13E-05	0.000277	1.26E-05	4.53E-05	6.81E-06	2.10E-05
4956	436988.9	3762639	8.05E-05	0.000275	1.25E-05	4.49E-05	6.74E-06	2.08E-05
4957	436994.9	3762624	7.95E-05	0.000271	1.24E-05	4.43E-05	6.65E-06	2.05E-05
4958	437000.9	3762610	7.83E-05	0.000267	1.22E-05	4.36E-05	6.56E-06	2.02E-05
4959	437006.8	3762595	7.7E-05	0.000263	1.20E-05	4.29E-05	6.45E-06	1.99E-05
4960	437012.8	3762581	7.55E-05	0.000258	1.17E-05	4.21E-05	6.32E-06	1.95E-05
4961	437018.8	3762566	7.39E-05	0.000252	1.15E-05	4.12E-05	6.19E-06	1.91E-05
4962	437024.8	3762552	7.23E-05	0.000247	1.12E-05	4.03E-05	6.06E-06	1.87E-05
4963	437030.7	3762537	7.08E-05	0.000241	1.10E-05	3.94E-05	5.93E-06	1.83E-05
4964	437036.7	3762523	6.93E-05	0.000236	1.08E-05	3.86E-05	5.80E-06	1.79E-05
4965	437042.7	3762509	6.77E-05	0.000231	1.05E-05	3.77E-05	5.67E-06	1.75E-05
4966	437048.6	3762494	6.62E-05	0.000226	1.03E-05	3.69E-05	5.54E-06	1.71E-05
4967	437066.6	3762451	6.12E-05	0.000209	9.50E-06	3.41E-05	5.12E-06	1.58E-05
4968	437072.5	3762436	5.96E-05	0.000203	9.25E-06	3.32E-05	4.98E-06	1.54E-05
4969	437078.5	3762422	5.79E-05	0.000197	8.99E-06	3.22E-05	4.85E-06	1.50E-05
4970	437084.5	3762407	5.61E-05	0.000191	8.72E-06	3.13E-05	4.70E-06	1.45E-05
4971	437090.5	3762393	5.43E-05	0.000185	8.43E-06	3.02E-05	4.54E-06	1.40E-05
4972	437103.6	3762375	5.27E-05	0.00018	8.19E-06	2.93E-05	4.41E-06	1.36E-05
4973	437118.1	3762369	5.31E-05	0.000181	8.25E-06	2.96E-05	4.44E-06	1.37E-05
4974	437132.5	3762363	5.32E-05	0.000181	8.26E-06	2.96E-05	4.45E-06	1.37E-05
4975	437147	3762357	5.33E-05	0.000182	8.28E-06	2.97E-05	4.46E-06	1.38E-05
4976	437190.3	3762339	5.3E-05	0.000181	8.24E-06	2.96E-05	4.44E-06	1.37E-05
4977	437204.7	3762333	5.28E-05	0.00018	8.20E-06	2.94E-05	4.42E-06	1.36E-05
4978	437219.1	3762327	5.24E-05	0.000179	8.14E-06	2.92E-05	4.38E-06	1.35E-05
4979	437233.6	3762321	5.19E-05	0.000177	8.06E-06	2.89E-05	4.34E-06	1.34E-05
4980	437248	3762315	5.13E-05	0.000175	7.97E-06	2.86E-05	4.30E-06	1.33E-05
4981	437262.4	3762309	5.07E-05	0.000173	7.88E-06	2.82E-05	4.24E-06	1.31E-05
4982	437276.9	3762303	5E-05	0.000171	7.77E-06	2.79E-05	4.19E-06	1.29E-05
4983	437291.3	3762297	4.93E-05	0.000168	7.66E-06	2.75E-05	4.13E-06	1.27E-05
4984	437305.8	3762291	4.86E-05	0.000166	7.55E-06	2.71E-05	4.07E-06	1.26E-05
4985	437320.2	3762285	4.79E-05	0.000163	7.44E-06	2.67E-05	4.01E-06	1.24E-05
4986	437334.6	3762279	4.72E-05	0.000161	7.33E-06	2.63E-05	3.95E-06	1.22E-05
4987	437349.1	3762273	4.65E-05	0.000159	7.22E-06	2.59E-05	3.89E-06	1.20E-05
4988	437363.5	3762267	4.58E-05	0.000156	7.12E-06	2.55E-05	3.84E-06	1.18E-05

4989	437377.9	3762261	4.52E-05	0.000154	7.03E-06	2.52E-05	3.79E-06	1.17E-05
4990	436974	3762683	8.34E-05	0.000284	1.30E-05	4.64E-05	6.98E-06	2.15E-05
4991	436974	3762699	8.56E-05	0.000292	1.33E-05	4.77E-05	7.17E-06	2.21E-05
4992	436947	3762668	7.32E-05	0.00025	1.14E-05	4.08E-05	6.13E-06	1.89E-05
4993	436952.9	3762653	7.28E-05	0.000248	1.13E-05	4.06E-05	6.10E-06	1.88E-05
4994	436958.9	3762639	7.22E-05	0.000246	1.12E-05	4.02E-05	6.04E-06	1.87E-05
4995	436964.9	3762624	7.14E-05	0.000244	1.11E-05	3.98E-05	5.98E-06	1.85E-05
4996	436970.8	3762610	7.05E-05	0.00024	1.10E-05	3.93E-05	5.90E-06	1.82E-05
4997	436976.8	3762595	6.95E-05	0.000237	1.08E-05	3.87E-05	5.81E-06	1.79E-05
4998	436982.7	3762581	6.83E-05	0.000233	1.06E-05	3.80E-05	5.72E-06	1.76E-05
4999	436988.7	3762567	6.71E-05	0.000229	1.04E-05	3.74E-05	5.61E-06	1.73E-05
5000	436994.7	3762552	6.57E-05	0.000224	1.02E-05	3.66E-05	5.50E-06	1.70E-05
5001	437000.6	3762538	6.44E-05	0.000219	1.00E-05	3.59E-05	5.39E-06	1.66E-05
5002	437006.6	3762523	6.31E-05	0.000215	9.80E-06	3.51E-05	5.28E-06	1.63E-05
5003	437012.6	3762509	6.17E-05	0.000211	9.59E-06	3.44E-05	5.17E-06	1.60E-05
5004	437018.5	3762494	6.04E-05	0.000206	9.39E-06	3.36E-05	5.06E-06	1.56E-05
5005	437036.4	3762451	5.63E-05	0.000192	8.75E-06	3.14E-05	4.71E-06	1.45E-05
5006	437042.4	3762437	5.5E-05	0.000188	8.55E-06	3.06E-05	4.60E-06	1.42E-05
5007	437048.3	3762422	5.37E-05	0.000183	8.35E-06	2.99E-05	4.50E-06	1.39E-05
5008	437054.3	3762408	5.23E-05	0.000178	8.13E-06	2.91E-05	4.38E-06	1.35E-05
5009	437060.3	3762393	5.08E-05	0.000173	7.90E-06	2.83E-05	4.25E-06	1.31E-05
5010	437066.2	3762379	4.93E-05	0.000168	7.66E-06	2.75E-05	4.13E-06	1.27E-05
5011	437072.2	3762364	4.77E-05	0.000163	7.41E-06	2.66E-05	3.99E-06	1.23E-05
5012	437082.4	3762354	4.71E-05	0.000161	7.32E-06	2.62E-05	3.94E-06	1.22E-05
5013	437096.8	3762348	4.73E-05	0.000161	7.36E-06	2.64E-05	3.96E-06	1.22E-05
5014	437111.2	3762342	4.75E-05	0.000162	7.38E-06	2.65E-05	3.98E-06	1.23E-05
5015	437125.6	3762336	4.75E-05	0.000162	7.38E-06	2.65E-05	3.98E-06	1.23E-05
5016	437140	3762330	4.76E-05	0.000162	7.39E-06	2.65E-05	3.98E-06	1.23E-05
5017	437183.3	3762312	4.74E-05	0.000162	7.37E-06	2.64E-05	3.97E-06	1.22E-05
5018	437197.7	3762306	4.71E-05	0.000161	7.32E-06	2.63E-05	3.94E-06	1.22E-05
5019	437212.1	3762300	4.68E-05	0.000159	7.26E-06	2.60E-05	3.91E-06	1.21E-05
5020	437226.5	3762294	4.63E-05	0.000158	7.19E-06	2.58E-05	3.87E-06	1.20E-05
5021	437240.9	3762288	4.58E-05	0.000156	7.11E-06	2.55E-05	3.83E-06	1.18E-05
5022	437255.3	3762282	4.52E-05	0.000154	7.02E-06	2.52E-05	3.78E-06	1.17E-05
5023	437269.7	3762276	4.46E-05	0.000152	6.93E-06	2.48E-05	3.73E-06	1.15E-05
5024	437284.2	3762270	4.4E-05	0.00015	6.83E-06	2.45E-05	3.68E-06	1.14E-05
5025	437298.6	3762264	4.33E-05	0.000148	6.73E-06	2.41E-05	3.63E-06	1.12E-05
5026	437313	3762258	4.27E-05	0.000146	6.64E-06	2.38E-05	3.58E-06	1.10E-05
5027	437327.4	3762252	4.21E-05	0.000144	6.55E-06	2.35E-05	3.53E-06	1.09E-05
5028	437341.8	3762246	4.16E-05	0.000142	6.46E-06	2.31E-05	3.48E-06	1.07E-05
5029	437356.2	3762240	4.1E-05	0.00014	6.37E-06	2.28E-05	3.43E-06	1.06E-05
5030	437370.6	3762234	4.05E-05	0.000138	6.29E-06	2.26E-05	3.39E-06	1.05E-05
5031	436944	3762683	7.43E-05	0.000253	1.15E-05	4.14E-05	6.22E-06	1.92E-05
5032	436944	3762699	7.61E-05	0.00026	1.18E-05	4.24E-05	6.37E-06	1.97E-05
5033	436917	3762668	6.58E-05	0.000225	1.02E-05	3.67E-05	5.51E-06	1.70E-05
5034	436922.9	3762653	6.56E-05	0.000224	1.02E-05	3.65E-05	5.49E-06	1.69E-05
5035	436928.9	3762639	6.51E-05	0.000222	1.01E-05	3.63E-05	5.45E-06	1.68E-05
5036	436934.8	3762624	6.45E-05	0.00022	1.00E-05	3.59E-05	5.40E-06	1.67E-05
5037	436940.8	3762610	6.38E-05	0.000217	9.91E-06	3.55E-05	5.34E-06	1.65E-05
5038	436946.7	3762596	6.29E-05	0.000215	9.78E-06	3.51E-05	5.27E-06	1.63E-05
5039	436952.7	3762581	6.2E-05	0.000211	9.63E-06	3.45E-05	5.19E-06	1.60E-05
5040	436958.6	3762567	6.1E-05	0.000208	9.48E-06	3.40E-05	5.11E-06	1.58E-05

5041	436964.6	3762552	5.99E-05	0.000204	9.31E-06	3.34E-05	5.02E-06	1.55E-05
5042	436970.6	3762538	5.88E-05	0.000201	9.14E-06	3.28E-05	4.92E-06	1.52E-05
5043	436976.5	3762523	5.78E-05	0.000197	8.97E-06	3.22E-05	4.83E-06	1.49E-05
5044	436982.5	3762509	5.67E-05	0.000193	8.80E-06	3.16E-05	4.74E-06	1.46E-05
5045	436988.4	3762495	5.55E-05	0.000189	8.62E-06	3.09E-05	4.64E-06	1.43E-05
5046	437006.3	3762451	5.21E-05	0.000178	8.09E-06	2.90E-05	4.36E-06	1.35E-05
5047	437012.2	3762437	5.1E-05	0.000174	7.93E-06	2.84E-05	4.27E-06	1.32E-05
5048	437018.2	3762423	4.99E-05	0.00017	7.76E-06	2.78E-05	4.18E-06	1.29E-05
5049	437024.1	3762408	4.88E-05	0.000166	7.58E-06	2.72E-05	4.08E-06	1.26E-05
5050	437030.1	3762394	4.76E-05	0.000162	7.39E-06	2.65E-05	3.98E-06	1.23E-05
5051	437036.1	3762379	4.63E-05	0.000158	7.20E-06	2.58E-05	3.88E-06	1.20E-05
5052	437042	3762365	4.5E-05	0.000153	6.99E-06	2.51E-05	3.76E-06	1.16E-05
5053	437048	3762351	4.36E-05	0.000149	6.78E-06	2.43E-05	3.65E-06	1.13E-05
5054	437061.1	3762333	4.24E-05	0.000145	6.59E-06	2.36E-05	3.55E-06	1.10E-05
5055	437075.5	3762327	4.26E-05	0.000145	6.62E-06	2.37E-05	3.57E-06	1.10E-05
5056	437089.9	3762321	4.28E-05	0.000146	6.65E-06	2.38E-05	3.58E-06	1.11E-05
5057	437104.3	3762315	4.29E-05	0.000146	6.66E-06	2.39E-05	3.59E-06	1.11E-05
5058	437118.7	3762309	4.29E-05	0.000146	6.67E-06	2.39E-05	3.59E-06	1.11E-05
5059	437133.1	3762303	4.29E-05	0.000146	6.67E-06	2.39E-05	3.59E-06	1.11E-05
5060	437147.5	3762297	4.29E-05	0.000146	6.67E-06	2.39E-05	3.59E-06	1.11E-05
5061	437190.6	3762279	4.24E-05	0.000144	6.58E-06	2.36E-05	3.55E-06	1.09E-05
5062	437205	3762273	4.2E-05	0.000143	6.52E-06	2.34E-05	3.51E-06	1.08E-05
5063	437219.4	3762267	4.15E-05	0.000142	6.45E-06	2.31E-05	3.48E-06	1.07E-05
5064	437233.8	3762261	4.11E-05	0.00014	6.38E-06	2.29E-05	3.44E-06	1.06E-05
5065	437248.2	3762255	4.05E-05	0.000138	6.30E-06	2.26E-05	3.39E-06	1.05E-05
5066	437262.6	3762249	4E-05	0.000136	6.21E-06	2.23E-05	3.35E-06	1.03E-05
5067	437277	3762243	3.95E-05	0.000135	6.13E-06	2.20E-05	3.30E-06	1.02E-05
5068	437291.4	3762237	3.89E-05	0.000133	6.05E-06	2.17E-05	3.26E-06	1.01E-05
5069	437305.8	3762231	3.84E-05	0.000131	5.97E-06	2.14E-05	3.22E-06	9.93E-06
5070	437320.2	3762225	3.79E-05	0.000129	5.89E-06	2.11E-05	3.17E-06	9.79E-06
5071	437334.6	3762219	3.74E-05	0.000128	5.81E-06	2.08E-05	3.13E-06	9.67E-06
5072	437349	3762213	3.69E-05	0.000126	5.74E-06	2.06E-05	3.09E-06	9.55E-06
5073	437363.4	3762207	3.65E-05	0.000124	5.67E-06	2.03E-05	3.06E-06	9.43E-06
5074	437377.7	3762201	3.61E-05	0.000123	5.61E-06	2.01E-05	3.02E-06	9.33E-06
5075	436914	3762683	6.67E-05	0.000227	1.04E-05	3.72E-05	5.58E-06	1.72E-05
5076	436914	3762699	6.81E-05	0.000232	1.06E-05	3.80E-05	5.70E-06	1.76E-05
5077	436887	3762667	5.94E-05	0.000203	9.23E-06	3.31E-05	4.97E-06	1.54E-05
5078	436893.1	3762653	5.92E-05	0.000202	9.20E-06	3.30E-05	4.96E-06	1.53E-05
5079	436899.2	3762638	5.89E-05	0.000201	9.15E-06	3.28E-05	4.93E-06	1.52E-05
5080	436905.2	3762623	5.84E-05	0.000199	9.07E-06	3.25E-05	4.89E-06	1.51E-05
5081	436911.3	3762609	5.78E-05	0.000197	8.99E-06	3.22E-05	4.84E-06	1.49E-05
5082	436917.4	3762594	5.72E-05	0.000195	8.88E-06	3.18E-05	4.78E-06	1.48E-05
5083	436923.4	3762579	5.64E-05	0.000192	8.76E-06	3.14E-05	4.72E-06	1.46E-05
5084	436929.5	3762565	5.56E-05	0.00019	8.63E-06	3.10E-05	4.65E-06	1.44E-05
5085	436935.6	3762550	5.47E-05	0.000186	8.50E-06	3.05E-05	4.58E-06	1.41E-05
5086	436941.6	3762535	5.38E-05	0.000183	8.35E-06	2.99E-05	4.50E-06	1.39E-05
5087	436947.7	3762521	5.28E-05	0.00018	8.20E-06	2.94E-05	4.42E-06	1.36E-05
5088	436953.8	3762506	5.18E-05	0.000177	8.05E-06	2.89E-05	4.34E-06	1.34E-05
5089	436959.8	3762491	5.08E-05	0.000173	7.90E-06	2.83E-05	4.25E-06	1.31E-05
5090	436978.1	3762447	4.8E-05	0.000164	7.45E-06	2.67E-05	4.02E-06	1.24E-05
5091	436984.1	3762432	4.71E-05	0.000161	7.31E-06	2.62E-05	3.94E-06	1.22E-05
5092	436990.2	3762418	4.61E-05	0.000157	7.17E-06	2.57E-05	3.86E-06	1.19E-05

5093	436996.3	3762403	4.51E-05	0.000154	7.01E-06	2.51E-05	3.78E-06	1.17E-05
5094	437002.3	3762388	4.41E-05	0.00015	6.85E-06	2.46E-05	3.69E-06	1.14E-05
5095	437008.4	3762374	4.3E-05	0.000147	6.69E-06	2.40E-05	3.60E-06	1.11E-05
5096	437014.5	3762359	4.19E-05	0.000143	6.51E-06	2.33E-05	3.51E-06	1.08E-05
5097	437020.5	3762344	4.07E-05	0.000139	6.33E-06	2.27E-05	3.41E-06	1.05E-05
5098	437026.6	3762330	3.96E-05	0.000135	6.15E-06	2.20E-05	3.31E-06	1.02E-05
5099	437040	3762312	3.85E-05	0.000131	5.99E-06	2.15E-05	3.22E-06	9.95E-06
5100	437054.7	3762306	3.87E-05	0.000132	6.02E-06	2.16E-05	3.24E-06	1.00E-05
5101	437069.3	3762300	3.89E-05	0.000133	6.05E-06	2.17E-05	3.26E-06	1.01E-05
5102	437084	3762293	3.9E-05	0.000133	6.07E-06	2.17E-05	3.27E-06	1.01E-05
5103	437098.7	3762287	3.91E-05	0.000133	6.08E-06	2.18E-05	3.27E-06	1.01E-05
5104	437113.3	3762281	3.92E-05	0.000134	6.08E-06	2.18E-05	3.28E-06	1.01E-05
5105	437128	3762275	3.91E-05	0.000133	6.07E-06	2.18E-05	3.27E-06	1.01E-05
5106	437142.7	3762269	3.9E-05	0.000133	6.06E-06	2.17E-05	3.26E-06	1.01E-05
5107	437157.3	3762263	3.88E-05	0.000132	6.03E-06	2.16E-05	3.25E-06	1.00E-05
5108	437172	3762257	3.85E-05	0.000131	5.99E-06	2.15E-05	3.23E-06	9.96E-06
5109	437186.7	3762251	3.82E-05	0.00013	5.94E-06	2.13E-05	3.20E-06	9.88E-06
5110	437201.3	3762244	3.78E-05	0.000129	5.88E-06	2.11E-05	3.17E-06	9.78E-06
5111	437216	3762238	3.74E-05	0.000128	5.81E-06	2.08E-05	3.13E-06	9.66E-06
5112	437230.7	3762232	3.69E-05	0.000126	5.74E-06	2.06E-05	3.09E-06	9.55E-06
5113	437245.3	3762226	3.65E-05	0.000124	5.67E-06	2.03E-05	3.05E-06	9.42E-06
5114	437260	3762220	3.6E-05	0.000123	5.59E-06	2.00E-05	3.01E-06	9.30E-06
5115	437274.7	3762214	3.55E-05	0.000121	5.52E-06	1.98E-05	2.97E-06	9.18E-06
5116	437289.4	3762208	3.5E-05	0.00012	5.45E-06	1.95E-05	2.93E-06	9.06E-06
5117	437304	3762202	3.46E-05	0.000118	5.38E-06	1.93E-05	2.90E-06	8.94E-06
5118	437318.7	3762195	3.41E-05	0.000116	5.31E-06	1.90E-05	2.86E-06	8.82E-06
5119	437333.4	3762189	3.37E-05	0.000115	5.24E-06	1.88E-05	2.82E-06	8.71E-06
5120	437348	3762183	3.33E-05	0.000114	5.18E-06	1.86E-05	2.79E-06	8.61E-06
5121	437362.7	3762177	3.29E-05	0.000112	5.12E-06	1.83E-05	2.76E-06	8.51E-06
5122	437377.4	3762171	3.26E-05	0.000111	5.06E-06	1.82E-05	2.73E-06	8.42E-06
5123	436884	3762683	6.01E-05	0.000205	9.34E-06	3.35E-05	5.03E-06	1.55E-05
5124	436884	3762699	6.13E-05	0.000209	9.52E-06	3.41E-05	5.13E-06	1.58E-05
5125	436857	3762668	5.4E-05	0.000184	8.38E-06	3.01E-05	4.52E-06	1.39E-05
5126	436863.1	3762653	5.38E-05	0.000183	8.36E-06	3.00E-05	4.50E-06	1.39E-05
5127	436869.1	3762638	5.35E-05	0.000183	8.32E-06	2.98E-05	4.48E-06	1.38E-05
5128	436875.2	3762624	5.31E-05	0.000181	8.26E-06	2.96E-05	4.45E-06	1.37E-05
5129	436881.2	3762609	5.27E-05	0.00018	8.18E-06	2.93E-05	4.41E-06	1.36E-05
5130	436887.3	3762594	5.21E-05	0.000178	8.10E-06	2.90E-05	4.36E-06	1.35E-05
5131	436893.3	3762580	5.16E-05	0.000176	8.01E-06	2.87E-05	4.32E-06	1.33E-05
5132	436899.4	3762565	5.09E-05	0.000174	7.91E-06	2.84E-05	4.26E-06	1.32E-05
5133	436905.5	3762550	5.02E-05	0.000171	7.80E-06	2.80E-05	4.20E-06	1.30E-05
5134	436911.5	3762536	4.94E-05	0.000169	7.68E-06	2.75E-05	4.14E-06	1.28E-05
5135	436917.6	3762521	4.86E-05	0.000166	7.56E-06	2.71E-05	4.07E-06	1.26E-05
5136	436923.6	3762506	4.78E-05	0.000163	7.43E-06	2.66E-05	4.00E-06	1.24E-05
5137	436929.7	3762492	4.7E-05	0.00016	7.30E-06	2.62E-05	3.93E-06	1.21E-05
5138	436947.8	3762448	4.45E-05	0.000152	6.91E-06	2.48E-05	3.72E-06	1.15E-05
5139	436953.9	3762433	4.38E-05	0.000149	6.80E-06	2.44E-05	3.66E-06	1.13E-05
5140	436959.9	3762418	4.3E-05	0.000147	6.68E-06	2.39E-05	3.60E-06	1.11E-05
5141	436966	3762404	4.21E-05	0.000144	6.55E-06	2.35E-05	3.53E-06	1.09E-05
5142	436972.1	3762389	4.13E-05	0.000141	6.42E-06	2.30E-05	3.46E-06	1.07E-05
5143	436978.1	3762374	4.04E-05	0.000138	6.28E-06	2.25E-05	3.38E-06	1.04E-05
5144	436984.2	3762360	3.95E-05	0.000135	6.14E-06	2.20E-05	3.31E-06	1.02E-05

5145	436990.2	3762345	3.85E-05	0.000131	5.99E-06	2.15E-05	3.23E-06	9.96E-06
5146	436996.3	3762330	3.76E-05	0.000128	5.83E-06	2.09E-05	3.14E-06	9.70E-06
5147	437002.3	3762316	3.66E-05	0.000125	5.68E-06	2.04E-05	3.06E-06	9.45E-06
5148	437008.4	3762301	3.56E-05	0.000121	5.53E-06	1.98E-05	2.98E-06	9.19E-06
5149	437018.7	3762291	3.52E-05	0.00012	5.47E-06	1.96E-05	2.95E-06	9.10E-06
5150	437033.4	3762285	3.54E-05	0.000121	5.51E-06	1.97E-05	2.97E-06	9.16E-06
5151	437048	3762278	3.56E-05	0.000121	5.53E-06	1.98E-05	2.98E-06	9.20E-06
5152	437062.6	3762272	3.58E-05	0.000122	5.56E-06	1.99E-05	2.99E-06	9.24E-06
5153	437077.3	3762266	3.58E-05	0.000122	5.57E-06	2.00E-05	3.00E-06	9.26E-06
5154	437091.9	3762260	3.59E-05	0.000122	5.57E-06	2.00E-05	3.00E-06	9.26E-06
5155	437106.5	3762254	3.58E-05	0.000122	5.56E-06	1.99E-05	3.00E-06	9.25E-06
5156	437121.2	3762248	3.57E-05	0.000122	5.55E-06	1.99E-05	2.99E-06	9.23E-06
5157	437135.8	3762242	3.56E-05	0.000121	5.53E-06	1.98E-05	2.98E-06	9.19E-06
5158	437150.4	3762236	3.53E-05	0.000121	5.49E-06	1.97E-05	2.96E-06	9.13E-06
5159	437165.1	3762230	3.51E-05	0.00012	5.45E-06	1.95E-05	2.94E-06	9.06E-06
5160	437179.7	3762223	3.47E-05	0.000118	5.40E-06	1.94E-05	2.91E-06	8.98E-06
5161	437194.3	3762217	3.44E-05	0.000117	5.34E-06	1.92E-05	2.88E-06	8.88E-06
5162	437209	3762211	3.4E-05	0.000116	5.28E-06	1.89E-05	2.84E-06	8.78E-06
5163	437223.6	3762205	3.36E-05	0.000115	5.22E-06	1.87E-05	2.81E-06	8.68E-06
5164	437238.2	3762199	3.32E-05	0.000113	5.15E-06	1.85E-05	2.78E-06	8.57E-06
5165	437252.9	3762193	3.27E-05	0.000112	5.09E-06	1.82E-05	2.74E-06	8.46E-06
5166	437267.5	3762187	3.23E-05	0.00011	5.02E-06	1.80E-05	2.70E-06	8.35E-06
5167	437282.2	3762181	3.19E-05	0.000109	4.96E-06	1.78E-05	2.67E-06	8.24E-06
5168	437296.8	3762175	3.15E-05	0.000107	4.89E-06	1.75E-05	2.64E-06	8.14E-06
5169	437311.4	3762168	3.11E-05	0.000106	4.83E-06	1.73E-05	2.60E-06	8.03E-06
5170	437326.1	3762162	3.07E-05	0.000105	4.77E-06	1.71E-05	2.57E-06	7.94E-06
5171	437340.7	3762156	3.04E-05	0.000104	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5172	437355.3	3762150	3E-05	0.000102	4.67E-06	1.67E-05	2.51E-06	7.76E-06
5173	437370	3762144	2.97E-05	0.000101	4.62E-06	1.66E-05	2.49E-06	7.68E-06
5174	436854	3762683	5.45E-05	0.000186	8.47E-06	3.03E-05	4.56E-06	1.41E-05
5175	436854	3762699	5.54E-05	0.000189	8.61E-06	3.09E-05	4.64E-06	1.43E-05
5176	436827	3762668	4.93E-05	0.000168	7.66E-06	2.75E-05	4.13E-06	1.27E-05
5177	436833	3762653	4.92E-05	0.000168	7.65E-06	2.74E-05	4.12E-06	1.27E-05
5178	436839.1	3762638	4.9E-05	0.000167	7.62E-06	2.73E-05	4.10E-06	1.27E-05
5179	436845.1	3762624	4.87E-05	0.000166	7.57E-06	2.71E-05	4.08E-06	1.26E-05
5180	436851.2	3762609	4.82E-05	0.000164	7.50E-06	2.69E-05	4.04E-06	1.25E-05
5181	436857.2	3762594	4.77E-05	0.000163	7.42E-06	2.66E-05	4.00E-06	1.23E-05
5182	436863.3	3762580	4.73E-05	0.000161	7.35E-06	2.63E-05	3.96E-06	1.22E-05
5183	436869.3	3762565	4.68E-05	0.000159	7.27E-06	2.60E-05	3.91E-06	1.21E-05
5184	436875.3	3762551	4.62E-05	0.000157	7.17E-06	2.57E-05	3.86E-06	1.19E-05
5185	436881.4	3762536	4.55E-05	0.000155	7.08E-06	2.54E-05	3.81E-06	1.18E-05
5186	436887.4	3762521	4.49E-05	0.000153	6.97E-06	2.50E-05	3.76E-06	1.16E-05
5187	436893.5	3762507	4.42E-05	0.000151	6.87E-06	2.46E-05	3.70E-06	1.14E-05
5188	436899.5	3762492	4.35E-05	0.000148	6.76E-06	2.42E-05	3.64E-06	1.12E-05
5189	436917.6	3762448	4.13E-05	0.000141	6.42E-06	2.30E-05	3.46E-06	1.07E-05
5190	436923.7	3762433	4.07E-05	0.000139	6.32E-06	2.27E-05	3.40E-06	1.05E-05
5191	436929.7	3762419	4E-05	0.000136	6.22E-06	2.23E-05	3.35E-06	1.03E-05
5192	436935.8	3762404	3.93E-05	0.000134	6.11E-06	2.19E-05	3.29E-06	1.02E-05
5193	436941.8	3762390	3.86E-05	0.000132	6.00E-06	2.15E-05	3.23E-06	9.98E-06
5194	436947.9	3762375	3.79E-05	0.000129	5.89E-06	2.11E-05	3.17E-06	9.79E-06
5195	436953.9	3762360	3.71E-05	0.000127	5.77E-06	2.07E-05	3.11E-06	9.59E-06
5196	436959.9	3762346	3.63E-05	0.000124	5.65E-06	2.02E-05	3.04E-06	9.39E-06

5197	436966	3762331	3.55E-05	0.000121	5.52E-06	1.98E-05	2.97E-06	9.18E-06
5198	436972	3762316	3.47E-05	0.000118	5.39E-06	1.93E-05	2.90E-06	8.97E-06
5199	436978.1	3762302	3.39E-05	0.000115	5.26E-06	1.89E-05	2.83E-06	8.75E-06
5200	436984.1	3762287	3.3E-05	0.000113	5.13E-06	1.84E-05	2.76E-06	8.53E-06
5201	436997.5	3762270	3.23E-05	0.00011	5.02E-06	1.80E-05	2.70E-06	8.35E-06
5202	437012.1	3762263	3.25E-05	0.000111	5.06E-06	1.81E-05	2.72E-06	8.41E-06
5203	437026.7	3762257	3.27E-05	0.000112	5.08E-06	1.82E-05	2.74E-06	8.45E-06
5204	437041.3	3762251	3.28E-05	0.000112	5.10E-06	1.83E-05	2.75E-06	8.48E-06
5205	437055.9	3762245	3.29E-05	0.000112	5.11E-06	1.83E-05	2.75E-06	8.50E-06
5206	437070.5	3762239	3.29E-05	0.000112	5.11E-06	1.83E-05	2.75E-06	8.50E-06
5207	437085.1	3762233	3.29E-05	0.000112	5.11E-06	1.83E-05	2.75E-06	8.50E-06
5208	437099.7	3762227	3.28E-05	0.000112	5.10E-06	1.83E-05	2.75E-06	8.48E-06
5209	437114.3	3762221	3.27E-05	0.000111	5.08E-06	1.82E-05	2.74E-06	8.45E-06
5210	437128.9	3762215	3.25E-05	0.000111	5.05E-06	1.81E-05	2.72E-06	8.40E-06
5211	437143.5	3762209	3.23E-05	0.00011	5.02E-06	1.80E-05	2.70E-06	8.35E-06
5212	437158.1	3762202	3.2E-05	0.000109	4.98E-06	1.78E-05	2.68E-06	8.28E-06
5213	437172.7	3762196	3.17E-05	0.000108	4.93E-06	1.77E-05	2.66E-06	8.20E-06
5214	437187.3	3762190	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.11E-06
5215	437201.9	3762184	3.11E-05	0.000106	4.82E-06	1.73E-05	2.60E-06	8.02E-06
5216	437216.5	3762178	3.07E-05	0.000105	4.77E-06	1.71E-05	2.57E-06	7.93E-06
5217	437231.1	3762172	3.03E-05	0.000103	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5218	437245.7	3762166	2.99E-05	0.000102	4.65E-06	1.67E-05	2.50E-06	7.73E-06
5219	437260.4	3762160	2.95E-05	0.000101	4.59E-06	1.65E-05	2.47E-06	7.63E-06
5220	437275	3762154	2.92E-05	9.95E-05	4.53E-06	1.63E-05	2.44E-06	7.54E-06
5221	437289.6	3762148	2.88E-05	9.82E-05	4.48E-06	1.61E-05	2.41E-06	7.44E-06
5222	437304.2	3762141	2.85E-05	9.7E-05	4.42E-06	1.59E-05	2.38E-06	7.35E-06
5223	437318.8	3762135	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.27E-06
5224	437333.4	3762129	2.78E-05	9.49E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
5225	437348	3762123	2.75E-05	9.39E-05	4.28E-06	1.53E-05	2.31E-06	7.12E-06
5226	437362.6	3762117	2.73E-05	9.3E-05	4.24E-06	1.52E-05	2.28E-06	7.05E-06
5227	437377.2	3762111	2.7E-05	9.22E-05	4.20E-06	1.51E-05	2.26E-06	6.99E-06
5228	436824	3762683	4.97E-05	0.000169	7.72E-06	2.77E-05	4.16E-06	1.28E-05
5229	436824	3762699	5.05E-05	0.000172	7.84E-06	2.81E-05	4.22E-06	1.30E-05
5230	436797	3762668	4.52E-05	0.000154	7.03E-06	2.52E-05	3.78E-06	1.17E-05
5231	436803	3762653	4.52E-05	0.000154	7.02E-06	2.52E-05	3.78E-06	1.17E-05
5232	436809.1	3762638	4.51E-05	0.000154	7.00E-06	2.51E-05	3.77E-06	1.16E-05
5233	436815.1	3762624	4.48E-05	0.000153	6.97E-06	2.50E-05	3.75E-06	1.16E-05
5234	436821.1	3762609	4.45E-05	0.000152	6.91E-06	2.48E-05	3.72E-06	1.15E-05
5235	436827.2	3762595	4.4E-05	0.00015	6.84E-06	2.45E-05	3.69E-06	1.14E-05
5236	436833.2	3762580	4.36E-05	0.000149	6.77E-06	2.43E-05	3.65E-06	1.13E-05
5237	436839.2	3762565	4.31E-05	0.000147	6.70E-06	2.40E-05	3.61E-06	1.11E-05
5238	436845.3	3762551	4.26E-05	0.000145	6.62E-06	2.37E-05	3.57E-06	1.10E-05
5239	436851.3	3762536	4.21E-05	0.000144	6.54E-06	2.34E-05	3.52E-06	1.09E-05
5240	436857.3	3762522	4.15E-05	0.000142	6.45E-06	2.31E-05	3.48E-06	1.07E-05
5241	436863.4	3762507	4.1E-05	0.00014	6.36E-06	2.28E-05	3.43E-06	1.06E-05
5242	436869.4	3762492	4.03E-05	0.000138	6.27E-06	2.25E-05	3.38E-06	1.04E-05
5243	436875.4	3762478	3.98E-05	0.000136	6.18E-06	2.21E-05	3.33E-06	1.03E-05
5244	436893.5	3762434	3.79E-05	0.000129	5.89E-06	2.11E-05	3.17E-06	9.79E-06
5245	436899.5	3762419	3.73E-05	0.000127	5.80E-06	2.08E-05	3.12E-06	9.64E-06
5246	436905.6	3762405	3.67E-05	0.000125	5.70E-06	2.04E-05	3.07E-06	9.48E-06
5247	436911.6	3762390	3.61E-05	0.000123	5.61E-06	2.01E-05	3.02E-06	9.33E-06
5248	436917.6	3762376	3.55E-05	0.000121	5.52E-06	1.98E-05	2.97E-06	9.17E-06

5249	436923.7	3762361	3.48E-05	0.000119	5.41E-06	1.94E-05	2.92E-06	9.00E-06
5250	436929.7	3762346	3.42E-05	0.000117	5.31E-06	1.90E-05	2.86E-06	8.83E-06
5251	436935.7	3762332	3.35E-05	0.000114	5.21E-06	1.87E-05	2.81E-06	8.66E-06
5252	436941.8	3762317	3.28E-05	0.000112	5.10E-06	1.83E-05	2.75E-06	8.48E-06
5253	436947.8	3762303	3.21E-05	0.000109	4.99E-06	1.79E-05	2.69E-06	8.29E-06
5254	436953.8	3762288	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.11E-06
5255	436959.9	3762273	3.07E-05	0.000105	4.77E-06	1.71E-05	2.57E-06	7.93E-06
5256	436965.9	3762259	3E-05	0.000102	4.66E-06	1.67E-05	2.51E-06	7.75E-06
5257	436976.2	3762248	2.97E-05	0.000101	4.62E-06	1.66E-05	2.49E-06	7.68E-06
5258	436990.8	3762242	2.99E-05	0.000102	4.65E-06	1.67E-05	2.51E-06	7.74E-06
5259	437005.4	3762236	3.01E-05	0.000103	4.68E-06	1.68E-05	2.52E-06	7.78E-06
5260	437019.9	3762230	3.02E-05	0.000103	4.70E-06	1.68E-05	2.53E-06	7.81E-06
5261	437034.5	3762224	3.03E-05	0.000103	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5262	437049.1	3762218	3.03E-05	0.000103	4.71E-06	1.69E-05	2.54E-06	7.84E-06
5263	437063.7	3762212	3.03E-05	0.000103	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5264	437078.2	3762206	3.03E-05	0.000103	4.70E-06	1.69E-05	2.53E-06	7.82E-06
5265	437092.8	3762200	3.02E-05	0.000103	4.69E-06	1.68E-05	2.52E-06	7.79E-06
5266	437107.4	3762194	3E-05	0.000102	4.66E-06	1.67E-05	2.51E-06	7.75E-06
5267	437122	3762187	2.98E-05	0.000102	4.64E-06	1.66E-05	2.50E-06	7.71E-06
5268	437136.6	3762181	2.96E-05	0.000101	4.60E-06	1.65E-05	2.48E-06	7.65E-06
5269	437151.1	3762175	2.94E-05	0.0001	4.56E-06	1.64E-05	2.46E-06	7.59E-06
5270	437165.7	3762169	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
5271	437180.3	3762163	2.88E-05	9.82E-05	4.48E-06	1.60E-05	2.41E-06	7.44E-06
5272	437194.9	3762157	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
5273	437209.5	3762151	2.82E-05	9.6E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
5274	437224	3762145	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
5275	437238.6	3762139	2.75E-05	9.37E-05	4.27E-06	1.53E-05	2.30E-06	7.10E-06
5276	437253.2	3762133	2.71E-05	9.25E-05	4.22E-06	1.51E-05	2.27E-06	7.01E-06
5277	437267.8	3762127	2.68E-05	9.14E-05	4.16E-06	1.49E-05	2.24E-06	6.93E-06
5278	437282.3	3762121	2.65E-05	9.03E-05	4.12E-06	1.48E-05	2.22E-06	6.84E-06
5279	437296.9	3762114	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
5280	437311.5	3762108	2.59E-05	8.83E-05	4.02E-06	1.44E-05	2.17E-06	6.69E-06
5281	437326.1	3762102	2.56E-05	8.74E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
5282	437340.7	3762096	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
5283	437355.2	3762090	2.51E-05	8.57E-05	3.91E-06	1.40E-05	2.10E-06	6.49E-06
5284	436794	3762683	4.55E-05	0.000155	7.08E-06	2.54E-05	3.81E-06	1.18E-05
5285	436794	3762699	4.62E-05	0.000157	7.18E-06	2.57E-05	3.87E-06	1.19E-05
5286	436757	3762668	4.05E-05	0.000138	6.30E-06	2.26E-05	3.39E-06	1.05E-05
5287	436763	3762653	4.06E-05	0.000138	6.30E-06	2.26E-05	3.39E-06	1.05E-05
5288	436769	3762638	4.05E-05	0.000138	6.29E-06	2.26E-05	3.39E-06	1.05E-05
5289	436775.1	3762624	4.03E-05	0.000138	6.27E-06	2.25E-05	3.38E-06	1.04E-05
5290	436781.1	3762609	4.01E-05	0.000137	6.23E-06	2.23E-05	3.36E-06	1.04E-05
5291	436787.1	3762595	3.98E-05	0.000136	6.18E-06	2.22E-05	3.33E-06	1.03E-05
5292	436793.1	3762580	3.94E-05	0.000134	6.12E-06	2.20E-05	3.30E-06	1.02E-05
5293	436799.1	3762566	3.9E-05	0.000133	6.06E-06	2.17E-05	3.26E-06	1.01E-05
5294	436805.1	3762551	3.85E-05	0.000131	5.99E-06	2.15E-05	3.23E-06	9.96E-06
5295	436811.2	3762536	3.81E-05	0.00013	5.92E-06	2.12E-05	3.19E-06	9.84E-06
5296	436817.2	3762522	3.76E-05	0.000128	5.85E-06	2.10E-05	3.15E-06	9.72E-06
5297	436823.2	3762507	3.71E-05	0.000127	5.77E-06	2.07E-05	3.11E-06	9.60E-06
5298	436829.2	3762493	3.66E-05	0.000125	5.69E-06	2.04E-05	3.07E-06	9.47E-06
5299	436835.2	3762478	3.61E-05	0.000123	5.61E-06	2.01E-05	3.02E-06	9.34E-06
5300	436841.3	3762464	3.56E-05	0.000121	5.54E-06	1.98E-05	2.98E-06	9.21E-06

5301	436859.3	3762420	3.41E-05	0.000116	5.29E-06	1.90E-05	2.85E-06	8.80E-06
5302	436865.3	3762405	3.35E-05	0.000114	5.21E-06	1.87E-05	2.81E-06	8.66E-06
5303	436871.4	3762391	3.3E-05	0.000112	5.12E-06	1.84E-05	2.76E-06	8.52E-06
5304	436877.4	3762376	3.25E-05	0.000111	5.05E-06	1.81E-05	2.72E-06	8.40E-06
5305	436883.4	3762362	3.18E-05	0.000109	4.95E-06	1.77E-05	2.67E-06	8.23E-06
5306	436889.4	3762347	3.13E-05	0.000107	4.87E-06	1.75E-05	2.62E-06	8.10E-06
5307	436895.4	3762332	3.08E-05	0.000105	4.79E-06	1.72E-05	2.58E-06	7.97E-06
5308	436901.4	3762318	3.03E-05	0.000103	4.71E-06	1.69E-05	2.54E-06	7.84E-06
5309	436907.5	3762303	2.98E-05	0.000102	4.63E-06	1.66E-05	2.49E-06	7.70E-06
5310	436913.5	3762289	2.93E-05	9.98E-05	4.55E-06	1.63E-05	2.45E-06	7.56E-06
5311	436919.5	3762274	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.41E-06
5312	436925.5	3762260	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
5313	436931.5	3762245	2.76E-05	0.000094	4.28E-06	1.54E-05	2.31E-06	7.12E-06
5314	436937.6	3762230	2.7E-05	9.19E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
5315	436947.8	3762220	2.67E-05	9.12E-05	4.15E-06	1.49E-05	2.24E-06	6.91E-06
5316	436962.4	3762214	2.69E-05	9.18E-05	4.18E-06	1.50E-05	2.25E-06	6.95E-06
5317	436976.9	3762208	2.71E-05	9.23E-05	4.20E-06	1.51E-05	2.26E-06	6.99E-06
5318	436991.5	3762202	2.72E-05	9.27E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
5319	437006	3762196	2.73E-05	9.3E-05	4.24E-06	1.52E-05	2.28E-06	7.05E-06
5320	437020.6	3762190	2.73E-05	9.32E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
5321	437035.1	3762184	2.73E-05	9.32E-05	4.25E-06	1.52E-05	2.29E-06	7.06E-06
5322	437049.7	3762178	2.73E-05	9.31E-05	4.24E-06	1.52E-05	2.28E-06	7.05E-06
5323	437064.2	3762172	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
5324	437078.8	3762165	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
5325	437093.3	3762159	2.7E-05	9.2E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
5326	437107.9	3762153	2.68E-05	9.15E-05	4.17E-06	1.49E-05	2.25E-06	6.93E-06
5327	437122.4	3762147	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
5328	437137	3762141	2.64E-05	9.01E-05	4.10E-06	1.47E-05	2.21E-06	6.83E-06
5329	437151.5	3762135	2.62E-05	8.92E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
5330	437166	3762129	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
5331	437180.6	3762123	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
5332	437195.1	3762117	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
5333	437209.7	3762111	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
5334	437224.2	3762105	2.48E-05	8.45E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
5335	437238.8	3762099	2.45E-05	8.35E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
5336	437253.3	3762093	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
5337	436754	3762683	4.08E-05	0.000139	6.34E-06	2.27E-05	3.41E-06	1.05E-05
5338	436754	3762699	4.13E-05	0.000141	6.41E-06	2.30E-05	3.46E-06	1.07E-05
5339	436717	3762668	3.66E-05	0.000125	5.69E-06	2.04E-05	3.06E-06	9.45E-06
5340	436723	3762653	3.66E-05	0.000125	5.69E-06	2.04E-05	3.07E-06	9.47E-06
5341	436729	3762638	3.66E-05	0.000125	5.69E-06	2.04E-05	3.06E-06	9.46E-06
5342	436735	3762624	3.65E-05	0.000124	5.67E-06	2.03E-05	3.05E-06	9.43E-06
5343	436741	3762609	3.63E-05	0.000124	5.64E-06	2.02E-05	3.04E-06	9.38E-06
5344	436747	3762595	3.61E-05	0.000123	5.60E-06	2.01E-05	3.02E-06	9.32E-06
5345	436753	3762580	3.58E-05	0.000122	5.56E-06	1.99E-05	3.00E-06	9.25E-06
5346	436759	3762566	3.55E-05	0.000121	5.51E-06	1.98E-05	2.97E-06	9.16E-06
5347	436765	3762551	3.51E-05	0.00012	5.45E-06	1.96E-05	2.94E-06	9.07E-06
5348	436771.1	3762537	3.47E-05	0.000118	5.39E-06	1.93E-05	2.91E-06	8.97E-06
5349	436777.1	3762522	3.43E-05	0.000117	5.33E-06	1.91E-05	2.87E-06	8.86E-06
5350	436783.1	3762508	3.39E-05	0.000115	5.26E-06	1.89E-05	2.83E-06	8.75E-06
5351	436789.1	3762493	3.34E-05	0.000114	5.19E-06	1.86E-05	2.80E-06	8.64E-06
5352	436795.1	3762479	3.3E-05	0.000112	5.12E-06	1.84E-05	2.76E-06	8.52E-06

5353	436801.1	3762464	3.25E-05	0.000111	5.06E-06	1.81E-05	2.72E-06	8.41E-06
5354	436807.1	3762449	3.21E-05	0.00011	4.99E-06	1.79E-05	2.69E-06	8.30E-06
5355	436831.1	3762391	3.04E-05	0.000104	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5356	436837.1	3762377	2.99E-05	0.000102	4.65E-06	1.67E-05	2.51E-06	7.74E-06
5357	436843.1	3762362	2.94E-05	0.0001	4.57E-06	1.64E-05	2.46E-06	7.60E-06
5358	436849.2	3762348	2.9E-05	9.88E-05	4.50E-06	1.61E-05	2.42E-06	7.49E-06
5359	436855.2	3762333	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
5360	436861.2	3762319	2.81E-05	9.58E-05	4.36E-06	1.56E-05	2.35E-06	7.26E-06
5361	436867.2	3762304	2.77E-05	9.44E-05	4.30E-06	1.54E-05	2.32E-06	7.15E-06
5362	436873.2	3762289	2.73E-05	9.3E-05	4.24E-06	1.52E-05	2.28E-06	7.04E-06
5363	436879.2	3762275	2.68E-05	9.15E-05	4.17E-06	1.49E-05	2.25E-06	6.93E-06
5364	436885.2	3762260	2.64E-05	8.99E-05	4.10E-06	1.47E-05	2.21E-06	6.81E-06
5365	436891.2	3762246	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.69E-06
5366	436897.2	3762231	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
5367	436903.2	3762217	2.49E-05	8.49E-05	3.87E-06	1.39E-05	2.08E-06	6.43E-06
5368	436909.2	3762202	2.44E-05	8.3E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
5369	436919.5	3762192	2.42E-05	8.24E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
5370	436934	3762186	2.43E-05	8.29E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
5371	436948.5	3762180	2.45E-05	8.34E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
5372	436963	3762174	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
5373	436977.6	3762168	2.46E-05	8.4E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
5374	436992.1	3762162	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
5375	437006.6	3762156	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
5376	437021.1	3762149	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
5377	437122.8	3762107	2.39E-05	8.16E-05	3.72E-06	1.33E-05	2.00E-06	6.18E-06
5378	437137.3	3762101	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
5379	437151.8	3762095	2.35E-05	8.02E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
5380	437166.3	3762089	2.33E-05	7.93E-05	3.61E-06	1.30E-05	1.95E-06	6.01E-06
5381	436714	3762683	3.68E-05	0.000125	5.71E-06	2.05E-05	3.08E-06	9.50E-06
5382	436714	3762699	3.72E-05	0.000127	5.77E-06	2.07E-05	3.11E-06	9.60E-06
5383	436677	3762668	3.32E-05	0.000113	5.16E-06	1.85E-05	2.78E-06	8.58E-06
5384	436683	3762653	3.33E-05	0.000113	5.17E-06	1.85E-05	2.79E-06	8.60E-06
5385	436689	3762639	3.33E-05	0.000113	5.17E-06	1.85E-05	2.79E-06	8.60E-06
5386	436695	3762624	3.32E-05	0.000113	5.16E-06	1.85E-05	2.78E-06	8.58E-06
5387	436701	3762610	3.31E-05	0.000113	5.14E-06	1.84E-05	2.77E-06	8.55E-06
5388	436707	3762595	3.29E-05	0.000112	5.11E-06	1.83E-05	2.75E-06	8.50E-06
5389	436713	3762580	3.27E-05	0.000111	5.08E-06	1.82E-05	2.73E-06	8.44E-06
5390	436719	3762566	3.24E-05	0.00011	5.03E-06	1.80E-05	2.71E-06	8.37E-06
5391	436725	3762551	3.21E-05	0.000109	4.99E-06	1.79E-05	2.69E-06	8.29E-06
5392	436731	3762537	3.18E-05	0.000108	4.93E-06	1.77E-05	2.66E-06	8.21E-06
5393	436737	3762522	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.11E-06
5394	436743	3762508	3.1E-05	0.000106	4.82E-06	1.73E-05	2.60E-06	8.02E-06
5395	436749	3762493	3.07E-05	0.000105	4.77E-06	1.71E-05	2.57E-06	7.93E-06
5396	436754.9	3762479	3.03E-05	0.000103	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5397	436760.9	3762464	2.99E-05	0.000102	4.65E-06	1.67E-05	2.50E-06	7.73E-06
5398	436766.9	3762450	2.95E-05	0.000101	4.59E-06	1.65E-05	2.47E-06	7.63E-06
5399	436772.9	3762435	2.92E-05	9.95E-05	4.53E-06	1.63E-05	2.44E-06	7.54E-06
5400	436778.9	3762421	2.88E-05	9.83E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
5401	436802.9	3762363	2.74E-05	9.35E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
5402	436808.9	3762348	2.7E-05	9.21E-05	4.20E-06	1.51E-05	2.26E-06	6.98E-06
5403	436814.9	3762334	2.66E-05	9.07E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
5404	436820.9	3762319	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06

5405	436826.9	3762305	2.59E-05	8.82E-05	4.02E-06	1.44E-05	2.17E-06	6.68E-06
5406	436832.9	3762290	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.59E-06
5407	436838.9	3762276	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
5408	436844.9	3762261	2.47E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.39E-06
5409	436850.9	3762247	2.44E-05	8.31E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
5410	436856.9	3762232	2.39E-05	8.16E-05	3.72E-06	1.33E-05	2.00E-06	6.19E-06
5411	436862.9	3762218	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
5412	436868.9	3762203	2.3E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
5413	436874.9	3762188	2.26E-05	7.7E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
5414	436880.9	3762174	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
5415	436891.1	3762164	2.2E-05	7.5E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
5416	436905.6	3762158	2.22E-05	7.56E-05	3.45E-06	1.24E-05	1.86E-06	5.73E-06
5417	436920.1	3762152	2.23E-05	7.62E-05	3.47E-06	1.24E-05	1.87E-06	5.77E-06
5418	436934.6	3762146	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
5419	436949.1	3762139	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
5420	436963.6	3762133	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
5421	436978.1	3762127	2.25E-05	7.67E-05	3.50E-06	1.25E-05	1.88E-06	5.81E-06
5422	436992.6	3762121	2.25E-05	7.67E-05	3.50E-06	1.25E-05	1.88E-06	5.81E-06
5423	437007.1	3762115	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
5424	437021.6	3762109	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
5425	437340.5	3761976	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
5426	437355	3761970	1.86E-05	6.35E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
5427	437369.5	3761964	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06
5428	436674	3762683	3.33E-05	0.000114	5.18E-06	1.86E-05	2.79E-06	8.61E-06
5429	436674	3762699	3.36E-05	0.000115	5.23E-06	1.87E-05	2.82E-06	8.69E-06
5430	436637	3762667	3.03E-05	0.000103	4.71E-06	1.69E-05	2.54E-06	7.83E-06
5431	436643.1	3762653	3.04E-05	0.000104	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5432	436649.2	3762638	3.04E-05	0.000104	4.73E-06	1.69E-05	2.55E-06	7.86E-06
5433	436655.2	3762623	3.04E-05	0.000104	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5434	436661.3	3762609	3.03E-05	0.000103	4.71E-06	1.69E-05	2.53E-06	7.82E-06
5435	436667.4	3762594	3.01E-05	0.000103	4.68E-06	1.68E-05	2.52E-06	7.79E-06
5436	436673.4	3762579	2.99E-05	0.000102	4.65E-06	1.67E-05	2.51E-06	7.74E-06
5437	436679.5	3762565	2.97E-05	0.000101	4.62E-06	1.66E-05	2.49E-06	7.68E-06
5438	436685.6	3762550	2.95E-05	0.0001	4.58E-06	1.64E-05	2.47E-06	7.61E-06
5439	436691.7	3762535	2.92E-05	9.95E-05	4.53E-06	1.63E-05	2.44E-06	7.54E-06
5440	436697.7	3762521	2.89E-05	9.84E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
5441	436703.8	3762506	2.85E-05	9.73E-05	4.44E-06	1.59E-05	2.39E-06	7.38E-06
5442	436709.9	3762491	2.82E-05	9.62E-05	4.38E-06	1.57E-05	2.36E-06	7.29E-06
5443	436728.1	3762447	2.72E-05	9.27E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
5444	436734.1	3762432	2.69E-05	9.16E-05	4.17E-06	1.50E-05	2.25E-06	6.94E-06
5445	436740.2	3762418	2.65E-05	9.05E-05	4.12E-06	1.48E-05	2.22E-06	6.86E-06
5446	436746.3	3762403	2.63E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
5447	436752.4	3762388	2.59E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.70E-06
5448	436758.4	3762374	2.56E-05	8.75E-05	3.98E-06	1.43E-05	2.15E-06	6.63E-06
5449	436782.7	3762315	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
5450	436788.8	3762300	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.02E-06	6.22E-06
5451	436794.8	3762285	2.38E-05	8.11E-05	3.70E-06	1.32E-05	1.99E-06	6.14E-06
5452	436800.9	3762271	2.35E-05	8E-05	3.65E-06	1.31E-05	1.96E-06	6.06E-06
5453	436807	3762256	2.31E-05	7.89E-05	3.59E-06	1.29E-05	1.94E-06	5.98E-06
5454	436813.1	3762241	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
5455	436819.1	3762227	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
5456	436825.2	3762212	2.2E-05	7.52E-05	3.43E-06	1.23E-05	1.85E-06	5.70E-06

5457	436831.3	3762197	2.17E-05	7.38E-05	3.36E-06	1.21E-05	1.81E-06	5.59E-06
5458	436837.3	3762183	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
5459	436843.4	3762168	2.09E-05	7.12E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
5460	436849.5	3762153	2.05E-05	6.99E-05	3.19E-06	1.14E-05	1.72E-06	5.30E-06
5461	436862.9	3762135	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
5462	436877.6	3762129	2.04E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
5463	436892.2	3762123	2.05E-05	6.99E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
5464	436906.9	3762117	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
5465	436921.6	3762111	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5466	436936.2	3762105	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5467	436950.9	3762099	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.35E-06
5468	436965.6	3762093	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5469	437244.4	3761976	1.81E-05	6.16E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
5470	437259	3761970	1.79E-05	6.1E-05	2.78E-06	9.96E-06	1.50E-06	4.62E-06
5471	437273.7	3761964	1.77E-05	6.04E-05	2.75E-06	9.87E-06	1.48E-06	4.58E-06
5472	437288.4	3761958	1.76E-05	5.99E-05	2.73E-06	9.79E-06	1.47E-06	4.54E-06
5473	437303	3761952	1.74E-05	5.95E-05	2.71E-06	9.71E-06	1.46E-06	4.51E-06
5474	437317.7	3761945	1.73E-05	5.91E-05	2.69E-06	9.65E-06	1.45E-06	4.48E-06
5475	437332.4	3761939	1.72E-05	5.87E-05	2.68E-06	9.59E-06	1.44E-06	4.45E-06
5476	437347.1	3761933	1.71E-05	5.84E-05	2.66E-06	9.54E-06	1.43E-06	4.43E-06
5477	437361.7	3761927	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
5478	436634	3762683	3.04E-05	0.000104	4.72E-06	1.69E-05	2.54E-06	7.85E-06
5479	436634	3762699	3.06E-05	0.000104	4.76E-06	1.71E-05	2.56E-06	7.91E-06
5480	436597	3762668	2.78E-05	9.47E-05	4.32E-06	1.55E-05	2.32E-06	7.18E-06
5481	436603.1	3762653	2.79E-05	9.5E-05	4.33E-06	1.55E-05	2.33E-06	7.20E-06
5482	436609.1	3762638	2.79E-05	9.51E-05	4.34E-06	1.55E-05	2.34E-06	7.21E-06
5483	436615.2	3762624	2.79E-05	9.51E-05	4.33E-06	1.55E-05	2.33E-06	7.21E-06
5484	436621.2	3762609	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
5485	436627.3	3762594	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
5486	436633.4	3762580	2.76E-05	0.000094	4.28E-06	1.54E-05	2.31E-06	7.12E-06
5487	436639.4	3762565	2.74E-05	9.34E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
5488	436645.5	3762550	2.72E-05	9.27E-05	4.22E-06	1.51E-05	2.28E-06	7.02E-06
5489	436651.5	3762536	2.7E-05	9.19E-05	4.19E-06	1.50E-05	2.26E-06	6.96E-06
5490	436657.6	3762521	2.67E-05	9.1E-05	4.15E-06	1.49E-05	2.23E-06	6.90E-06
5491	436663.7	3762506	2.64E-05	9.01E-05	4.10E-06	1.47E-05	2.21E-06	6.83E-06
5492	436669.7	3762492	2.61E-05	8.91E-05	4.06E-06	1.46E-05	2.19E-06	6.75E-06
5493	436687.9	3762448	2.52E-05	8.6E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
5494	436693.9	3762433	2.49E-05	8.49E-05	3.87E-06	1.39E-05	2.08E-06	6.44E-06
5495	436700	3762418	2.46E-05	8.39E-05	3.82E-06	1.37E-05	2.06E-06	6.36E-06
5496	436706.1	3762404	2.44E-05	8.3E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
5497	436712.1	3762389	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.02E-06	6.22E-06
5498	436736.3	3762330	2.3E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
5499	436742.4	3762316	2.28E-05	7.76E-05	3.54E-06	1.27E-05	1.91E-06	5.88E-06
5500	436748.5	3762301	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
5501	436790.9	3762198	2.06E-05	7.01E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
5502	436796.9	3762184	2.02E-05	6.9E-05	3.14E-06	1.13E-05	1.69E-06	5.23E-06
5503	436803	3762169	1.99E-05	6.79E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
5504	436809	3762154	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
5505	436815.1	3762140	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
5506	436821.2	3762125	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
5507	436834.5	3762107	1.87E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
5508	436849.2	3762101	1.88E-05	6.4E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06

5509	437142	3761979	1.77E-05	6.03E-05	2.75E-06	9.85E-06	1.48E-06	4.57E-06
5510	437156.6	3761973	1.75E-05	5.98E-05	2.72E-06	9.76E-06	1.47E-06	4.53E-06
5511	437171.3	3761967	1.74E-05	5.92E-05	2.70E-06	9.67E-06	1.45E-06	4.48E-06
5512	437185.9	3761960	1.72E-05	5.86E-05	2.67E-06	9.57E-06	1.44E-06	4.44E-06
5513	437200.6	3761954	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
5514	437215.2	3761948	1.69E-05	5.75E-05	2.62E-06	9.40E-06	1.41E-06	4.36E-06
5515	437229.9	3761942	1.67E-05	5.7E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
5516	437244.5	3761936	1.66E-05	5.64E-05	2.57E-06	9.22E-06	1.39E-06	4.28E-06
5517	437259.1	3761930	1.64E-05	5.6E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
5518	437273.8	3761924	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
5519	437288.4	3761918	1.62E-05	5.51E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
5520	437303.1	3761912	1.61E-05	5.48E-05	2.49E-06	8.94E-06	1.34E-06	4.15E-06
5521	437317.7	3761905	1.6E-05	5.45E-05	2.48E-06	8.90E-06	1.34E-06	4.13E-06
5522	437332.3	3761899	1.59E-05	5.42E-05	2.47E-06	8.85E-06	1.33E-06	4.11E-06
5523	437347	3761893	1.58E-05	5.39E-05	2.46E-06	8.81E-06	1.32E-06	4.09E-06
5524	436594	3762683	2.78E-05	9.49E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
5525	436594	3762699	2.8E-05	9.55E-05	4.35E-06	1.56E-05	2.34E-06	7.24E-06
5526	436575.1	3762624	2.57E-05	8.77E-05	4.00E-06	1.43E-05	2.15E-06	6.65E-06
5527	436581.2	3762609	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
5528	436587.2	3762594	2.56E-05	8.73E-05	3.98E-06	1.43E-05	2.14E-06	6.61E-06
5529	436593.3	3762580	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
5530	436599.3	3762565	2.53E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.54E-06
5531	436605.4	3762550	2.52E-05	8.58E-05	3.91E-06	1.40E-05	2.11E-06	6.50E-06
5532	436611.4	3762536	2.5E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
5533	436617.5	3762521	2.47E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.39E-06
5534	436623.5	3762507	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
5535	436629.6	3762492	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
5536	436647.7	3762448	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
5537	436653.8	3762433	2.32E-05	7.91E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
5538	436659.8	3762419	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.93E-06
5539	436665.8	3762404	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.87E-06
5540	436671.9	3762389	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
5541	436690	3762345	2.18E-05	7.43E-05	3.39E-06	1.21E-05	1.82E-06	5.63E-06
5542	436696.1	3762331	2.16E-05	7.35E-05	3.35E-06	1.20E-05	1.80E-06	5.57E-06
5543	436702.1	3762316	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
5544	436708.2	3762302	2.11E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
5545	436714.2	3762287	2.08E-05	7.1E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
5546	436720.3	3762272	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
5547	436726.3	3762258	2.04E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
5548	436732.4	3762243	2.01E-05	6.86E-05	3.12E-06	1.12E-05	1.68E-06	5.20E-06
5549	436738.4	3762228	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.66E-06	5.14E-06
5550	436744.5	3762214	1.97E-05	6.7E-05	3.05E-06	1.09E-05	1.65E-06	5.08E-06
5551	437054.6	3761975	1.71E-05	5.82E-05	2.65E-06	9.51E-06	1.43E-06	4.41E-06
5552	437069.2	3761969	1.7E-05	5.79E-05	2.64E-06	9.46E-06	1.42E-06	4.39E-06
5553	437083.9	3761963	1.68E-05	5.74E-05	2.62E-06	9.38E-06	1.41E-06	4.35E-06
5554	437098.5	3761957	1.67E-05	5.69E-05	2.59E-06	9.30E-06	1.40E-06	4.31E-06
5555	437113.1	3761951	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
5556	437127.7	3761945	1.64E-05	5.59E-05	2.55E-06	9.13E-06	1.37E-06	4.23E-06
5557	437142.3	3761939	1.62E-05	5.54E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
5558	437156.9	3761932	1.61E-05	5.48E-05	2.50E-06	8.96E-06	1.35E-06	4.16E-06
5559	437171.5	3761926	1.59E-05	5.43E-05	2.48E-06	8.88E-06	1.33E-06	4.12E-06
5560	437186.2	3761920	1.58E-05	5.38E-05	2.45E-06	8.80E-06	1.32E-06	4.08E-06

5561	437200.8	3761914	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
5562	437215.4	3761908	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
5563	437230	3761902	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
5564	437244.6	3761896	1.52E-05	5.2E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
5565	437259.2	3761890	1.51E-05	5.16E-05	2.35E-06	8.43E-06	1.27E-06	3.91E-06
5566	436517	3762668	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
5567	436523	3762653	2.38E-05	8.1E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
5568	436529.1	3762638	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
5569	436535.1	3762624	2.38E-05	8.13E-05	3.70E-06	1.33E-05	2.00E-06	6.16E-06
5570	436541.1	3762609	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
5571	436547.2	3762594	2.38E-05	8.1E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
5572	436577.4	3762521	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
5573	436583.4	3762507	2.29E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
5574	436589.4	3762492	2.26E-05	7.72E-05	3.52E-06	1.26E-05	1.90E-06	5.85E-06
5575	436595.5	3762478	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
5576	436607.6	3762448	2.2E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
5577	436613.6	3762434	2.17E-05	7.41E-05	3.38E-06	1.21E-05	1.82E-06	5.61E-06
5578	436619.6	3762419	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
5579	436625.7	3762405	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
5580	436631.7	3762390	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
5581	436649.8	3762346	2.04E-05	6.95E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
5582	436655.8	3762331	2.02E-05	6.88E-05	3.13E-06	1.12E-05	1.69E-06	5.21E-06
5583	436661.9	3762317	2E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
5584	436667.9	3762302	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.65E-06	5.11E-06
5585	436674	3762288	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.06E-06
5586	436680	3762273	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
5587	436686	3762258	1.91E-05	6.53E-05	2.97E-06	1.07E-05	1.60E-06	4.95E-06
5588	436692.1	3762244	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
5589	436698.1	3762229	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.83E-06
5590	436704.1	3762215	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06
5591	436710.2	3762200	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06
5592	436952.9	3761978	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
5593	436967.5	3761972	1.62E-05	5.54E-05	2.52E-06	9.05E-06	1.36E-06	4.20E-06
5594	436982.1	3761965	1.62E-05	5.51E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
5595	436996.7	3761959	1.61E-05	5.5E-05	2.50E-06	8.98E-06	1.35E-06	4.16E-06
5596	437011.3	3761953	1.61E-05	5.47E-05	2.49E-06	8.94E-06	1.34E-06	4.15E-06
5597	437025.9	3761947	1.6E-05	5.45E-05	2.48E-06	8.90E-06	1.34E-06	4.13E-06
5598	437040.4	3761941	1.59E-05	5.42E-05	2.47E-06	8.85E-06	1.33E-06	4.11E-06
5599	437055	3761935	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
5600	437069.6	3761929	1.56E-05	5.34E-05	2.43E-06	8.72E-06	1.31E-06	4.04E-06
5601	437084.2	3761923	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
5602	437098.8	3761917	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
5603	437113.4	3761911	1.52E-05	5.2E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
5604	437128	3761905	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.26E-06	3.90E-06
5605	437142.6	3761898	1.5E-05	5.11E-05	2.33E-06	8.34E-06	1.25E-06	3.87E-06
5606	437157.2	3761892	1.48E-05	5.06E-05	2.31E-06	8.27E-06	1.24E-06	3.83E-06
5607	436514	3762683	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.11E-06
5608	436514	3762699	2.38E-05	8.11E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
5609	436477	3762668	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
5610	436483	3762653	2.2E-05	7.52E-05	3.42E-06	1.23E-05	1.84E-06	5.70E-06
5611	436489.1	3762638	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.71E-06
5612	436495.1	3762624	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06

5613	436501.1	3762609	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
5614	436507.1	3762595	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
5615	436513.2	3762580	2.21E-05	7.52E-05	3.43E-06	1.23E-05	1.85E-06	5.70E-06
5616	436519.2	3762565	2.2E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.68E-06
5617	436525.2	3762551	2.19E-05	7.45E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
5618	436531.2	3762536	2.17E-05	7.41E-05	3.38E-06	1.21E-05	1.82E-06	5.61E-06
5619	436537.3	3762522	2.16E-05	7.35E-05	3.35E-06	1.20E-05	1.80E-06	5.57E-06
5620	436543.3	3762507	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
5621	436549.3	3762492	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
5622	436579.5	3762420	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
5623	436585.5	3762405	1.99E-05	6.79E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
5624	436591.5	3762390	1.97E-05	6.73E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06
5625	436603.6	3762361	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
5626	436609.6	3762347	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
5627	436615.6	3762332	1.89E-05	6.46E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
5628	436621.7	3762317	1.87E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
5629	436627.7	3762303	1.86E-05	6.33E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
5630	436633.7	3762288	1.84E-05	6.27E-05	2.86E-06	1.02E-05	1.54E-06	4.75E-06
5631	436639.7	3762274	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
5632	436645.8	3762259	1.8E-05	6.15E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
5633	436651.8	3762244	1.78E-05	6.08E-05	2.77E-06	9.94E-06	1.49E-06	4.61E-06
5634	436657.8	3762230	1.77E-05	6.02E-05	2.74E-06	9.84E-06	1.48E-06	4.56E-06
5635	436663.8	3762215	1.75E-05	5.96E-05	2.72E-06	9.74E-06	1.46E-06	4.52E-06
5636	436669.9	3762201	1.73E-05	0.000059	2.69E-06	9.64E-06	1.45E-06	4.47E-06
5637	436675.9	3762186	1.71E-05	5.84E-05	2.66E-06	9.54E-06	1.43E-06	4.43E-06
5638	436681.9	3762171	1.7E-05	5.78E-05	2.63E-06	9.44E-06	1.42E-06	4.38E-06
5639	436730.1	3762055	1.53E-05	5.23E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
5640	436851.5	3761980	1.53E-05	5.21E-05	2.37E-06	8.51E-06	1.28E-06	3.95E-06
5641	436866	3761974	1.53E-05	5.22E-05	2.38E-06	8.53E-06	1.28E-06	3.95E-06
5642	436880.6	3761968	1.53E-05	5.22E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
5643	436895.2	3761962	1.53E-05	5.23E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
5644	436909.7	3761956	1.53E-05	5.22E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
5645	436924.3	3761950	1.53E-05	5.22E-05	2.38E-06	8.52E-06	1.28E-06	3.95E-06
5646	436938.9	3761943	1.52E-05	5.2E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
5647	436953.4	3761937	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.93E-06
5648	436968	3761931	1.51E-05	5.16E-05	2.35E-06	8.43E-06	1.27E-06	3.91E-06
5649	436982.6	3761925	1.51E-05	5.14E-05	2.34E-06	8.39E-06	1.26E-06	3.89E-06
5650	436997.1	3761919	1.5E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
5651	437011.7	3761913	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
5652	437026.3	3761907	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
5653	437040.8	3761901	1.47E-05	5.01E-05	2.28E-06	8.19E-06	1.23E-06	3.80E-06
5654	437055.4	3761895	1.46E-05	4.97E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
5655	437070	3761889	1.45E-05	4.93E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
5656	436474	3762683	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
5657	436474	3762699	2.2E-05	7.51E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
5658	436437	3762668	2.04E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
5659	436443	3762653	2.05E-05	7E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
5660	436449	3762638	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
5661	436455.1	3762624	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06
5662	436461.1	3762609	2.07E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5663	436467.1	3762595	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
5664	436473.1	3762580	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06

5665	436479.1	3762566	2.05E-05	7E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
5666	436485.1	3762551	2.04E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
5667	436491.2	3762536	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
5668	436497.2	3762522	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
5669	436503.2	3762507	2E-05	6.83E-05	3.11E-06	1.12E-05	1.68E-06	5.18E-06
5670	436509.2	3762493	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.66E-06	5.13E-06
5671	436515.2	3762478	1.97E-05	6.71E-05	3.06E-06	1.10E-05	1.65E-06	5.08E-06
5672	436521.3	3762464	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
5673	436527.3	3762449	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
5674	436533.3	3762434	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
5675	436539.3	3762420	1.89E-05	6.44E-05	2.94E-06	1.05E-05	1.58E-06	4.88E-06
5676	436545.3	3762405	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.83E-06
5677	436569.4	3762347	1.8E-05	6.13E-05	2.80E-06	1.00E-05	1.51E-06	4.65E-06
5678	436575.4	3762332	1.78E-05	6.07E-05	2.77E-06	9.92E-06	1.49E-06	4.60E-06
5679	436581.4	3762318	1.76E-05	6.02E-05	2.74E-06	9.83E-06	1.48E-06	4.56E-06
5680	436587.5	3762303	1.75E-05	5.96E-05	2.71E-06	9.73E-06	1.46E-06	4.51E-06
5681	436593.5	3762289	1.73E-05	5.91E-05	2.69E-06	9.65E-06	1.45E-06	4.48E-06
5682	436599.5	3762274	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.44E-06
5683	436605.5	3762260	1.7E-05	5.8E-05	2.64E-06	9.48E-06	1.42E-06	4.40E-06
5684	436611.5	3762245	1.69E-05	5.75E-05	2.62E-06	9.39E-06	1.41E-06	4.36E-06
5685	436617.6	3762230	1.67E-05	5.7E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
5686	436623.6	3762216	1.66E-05	5.65E-05	2.57E-06	9.23E-06	1.39E-06	4.28E-06
5687	436629.6	3762201	1.64E-05	5.6E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
5688	436635.6	3762187	1.62E-05	5.54E-05	2.52E-06	9.05E-06	1.36E-06	4.20E-06
5689	436641.6	3762172	1.61E-05	5.48E-05	2.50E-06	8.96E-06	1.35E-06	4.16E-06
5690	436647.7	3762158	1.59E-05	5.43E-05	2.47E-06	8.87E-06	1.33E-06	4.11E-06
5691	436653.7	3762143	1.58E-05	5.37E-05	2.45E-06	8.78E-06	1.32E-06	4.07E-06
5692	436659.7	3762128	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
5693	436808.4	3761958	1.43E-05	4.87E-05	2.22E-06	7.96E-06	1.20E-06	3.69E-06
5694	436823	3761952	1.43E-05	4.88E-05	2.22E-06	7.97E-06	1.20E-06	3.70E-06
5695	436837.5	3761946	1.43E-05	4.89E-05	2.23E-06	7.98E-06	1.20E-06	3.70E-06
5696	436852.1	3761940	1.44E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
5697	436866.6	3761934	1.44E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
5698	436881.2	3761927	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
5699	436895.7	3761921	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.70E-06
5700	436910.2	3761915	1.43E-05	4.88E-05	2.22E-06	7.97E-06	1.20E-06	3.70E-06
5701	436924.8	3761909	1.43E-05	4.87E-05	2.22E-06	7.95E-06	1.20E-06	3.69E-06
5702	436939.3	3761903	1.42E-05	4.85E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
5703	436953.9	3761897	1.42E-05	4.83E-05	2.20E-06	7.89E-06	1.19E-06	3.66E-06
5704	436968.4	3761891	1.41E-05	4.8E-05	2.19E-06	7.85E-06	1.18E-06	3.64E-06
5705	436983	3761885	0.000014	4.77E-05	2.18E-06	7.80E-06	1.17E-06	3.62E-06
5706	436434	3762683	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.28E-06
5707	436434	3762699	2.05E-05	6.99E-05	3.18E-06	1.14E-05	1.72E-06	5.30E-06
5708	436397	3762667	1.91E-05	6.51E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
5709	436403.1	3762653	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
5710	436409.2	3762638	1.93E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
5711	436415.2	3762623	1.93E-05	6.58E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
5712	436421.3	3762609	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
5713	436427.4	3762594	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
5714	436433.5	3762579	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
5715	436439.5	3762565	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
5716	436445.6	3762550	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06

5717	436451.7	3762535	1.91E-05	6.5E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
5718	436457.8	3762520	1.89E-05	6.46E-05	2.94E-06	1.06E-05	1.59E-06	4.90E-06
5719	436463.8	3762506	1.88E-05	6.42E-05	2.92E-06	1.05E-05	1.57E-06	4.86E-06
5720	436469.9	3762491	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.83E-06
5721	436476	3762476	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
5722	436482.1	3762462	1.83E-05	6.25E-05	2.85E-06	1.02E-05	1.54E-06	4.74E-06
5723	436488.1	3762447	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
5724	436494.2	3762432	1.8E-05	6.13E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
5725	436500.3	3762418	1.78E-05	6.06E-05	2.76E-06	9.90E-06	1.49E-06	4.59E-06
5726	436506.3	3762403	1.76E-05	6E-05	2.74E-06	9.81E-06	1.47E-06	4.55E-06
5727	436512.4	3762388	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
5728	436518.5	3762373	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
5729	436530.6	3762344	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.37E-06
5730	436536.7	3762329	1.68E-05	5.72E-05	2.60E-06	9.34E-06	1.40E-06	4.33E-06
5731	436542.8	3762315	1.66E-05	5.67E-05	2.58E-06	9.26E-06	1.39E-06	4.29E-06
5732	436548.9	3762300	1.65E-05	5.62E-05	2.56E-06	9.17E-06	1.38E-06	4.26E-06
5733	436554.9	3762285	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
5734	436561	3762271	1.62E-05	5.52E-05	2.52E-06	9.02E-06	1.36E-06	4.18E-06
5735	436567.1	3762256	1.61E-05	5.48E-05	2.50E-06	8.95E-06	1.34E-06	4.15E-06
5736	436573.2	3762241	1.59E-05	5.44E-05	2.48E-06	8.88E-06	1.33E-06	4.12E-06
5737	436579.2	3762226	1.58E-05	5.39E-05	2.46E-06	8.81E-06	1.32E-06	4.09E-06
5738	436585.3	3762212	1.57E-05	5.35E-05	2.44E-06	8.73E-06	1.31E-06	4.05E-06
5739	436591.4	3762197	1.55E-05	5.3E-05	2.41E-06	8.65E-06	1.30E-06	4.01E-06
5740	436597.5	3762182	1.54E-05	5.25E-05	2.39E-06	8.57E-06	1.29E-06	3.98E-06
5741	436603.5	3762168	1.52E-05	5.19E-05	2.37E-06	8.48E-06	1.27E-06	3.93E-06
5742	436609.6	3762153	1.51E-05	5.14E-05	2.34E-06	8.39E-06	1.26E-06	3.89E-06
5743	436615.7	3762138	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
5744	436621.7	3762123	1.48E-05	5.04E-05	2.30E-06	8.24E-06	1.24E-06	3.82E-06
5745	436676.4	3761991	1.34E-05	4.56E-05	2.08E-06	7.46E-06	1.12E-06	3.46E-06
5746	436682.5	3761976	1.32E-05	4.49E-05	2.05E-06	7.34E-06	1.10E-06	3.40E-06
5747	436692.9	3761966	1.31E-05	4.47E-05	2.04E-06	7.30E-06	1.10E-06	3.39E-06
5748	436707.5	3761960	1.32E-05	4.5E-05	2.05E-06	7.34E-06	1.10E-06	3.41E-06
5749	436722.2	3761954	1.32E-05	4.51E-05	2.06E-06	7.37E-06	1.11E-06	3.42E-06
5750	436795.6	3761923	1.34E-05	4.58E-05	2.09E-06	7.48E-06	1.12E-06	3.47E-06
5751	436810.3	3761917	1.35E-05	4.59E-05	2.09E-06	7.49E-06	1.13E-06	3.48E-06
5752	436825	3761911	1.35E-05	4.59E-05	2.09E-06	7.51E-06	1.13E-06	3.48E-06
5753	436839.7	3761905	1.35E-05	4.6E-05	2.09E-06	7.51E-06	1.13E-06	3.48E-06
5754	436854.3	3761899	1.35E-05	4.59E-05	2.09E-06	7.51E-06	1.13E-06	3.48E-06
5755	436869	3761892	1.35E-05	4.59E-05	2.09E-06	7.50E-06	1.13E-06	3.48E-06
5756	436883.7	3761886	1.34E-05	4.58E-05	2.09E-06	7.49E-06	1.12E-06	3.47E-06
5757	436898.4	3761880	1.34E-05	4.58E-05	2.08E-06	7.47E-06	1.12E-06	3.47E-06
5758	436913.1	3761874	1.34E-05	4.57E-05	2.08E-06	7.47E-06	1.12E-06	3.46E-06
5759	436927.7	3761868	1.34E-05	4.55E-05	2.07E-06	7.44E-06	1.12E-06	3.45E-06
5760	436942.4	3761862	1.33E-05	4.53E-05	2.06E-06	7.40E-06	1.11E-06	3.43E-06
5761	436394	3762683	1.91E-05	6.5E-05	2.96E-06	1.06E-05	1.60E-06	4.92E-06
5762	436394	3762699	1.91E-05	6.52E-05	2.97E-06	1.06E-05	1.60E-06	4.94E-06
5763	437371.1	3762659	0.000851	0.002901	1.32E-04	4.74E-04	7.12E-05	2.20E-04
5764	437363	3762579	0.000316	0.001077	4.91E-05	1.76E-04	2.64E-05	8.16E-05
5765	437362.9	3762559	0.000262	0.000895	4.08E-05	1.46E-04	2.20E-05	6.78E-05
5766	437362.8	3762539	0.000221	0.000754	3.43E-05	1.23E-04	1.85E-05	5.71E-05
5767	437385.3	3762519	0.000197	0.000672	3.06E-05	1.10E-04	1.65E-05	5.09E-05
5768	437362.7	3762519	0.000188	0.000642	2.92E-05	1.05E-04	1.57E-05	4.86E-05

5769	437385.2	3762499	0.000169	0.000575	2.62E-05	9.39E-05	1.41E-05	4.36E-05
5770	437362.5	3762499	0.000162	0.000552	2.51E-05	9.01E-05	1.35E-05	4.18E-05
5771	437385.1	3762479	0.000146	0.000497	2.26E-05	8.11E-05	1.22E-05	3.76E-05
5772	437362.4	3762479	0.00014	0.000479	2.18E-05	7.83E-05	1.18E-05	3.63E-05
5773	437384.9	3762459	0.000127	0.000433	1.97E-05	7.07E-05	1.06E-05	3.28E-05
5774	437362.3	3762459	0.000123	0.000419	1.91E-05	6.84E-05	1.03E-05	3.17E-05
5775	437384.8	3762439	0.000112	0.00038	1.73E-05	6.21E-05	9.34E-06	2.88E-05
5776	437362.2	3762439	0.000108	0.000369	1.68E-05	6.03E-05	9.06E-06	2.80E-05
5777	437369.6	3762419	9.69E-05	0.00033	1.51E-05	5.40E-05	8.11E-06	2.50E-05
5778	437369.5	3762399	8.64E-05	0.000295	1.34E-05	4.81E-05	7.23E-06	2.23E-05
5779	437384.4	3762369	7.47E-05	0.000255	1.16E-05	4.16E-05	6.25E-06	1.93E-05
5780	437369.3	3762369	7.35E-05	0.000251	1.14E-05	4.10E-05	6.16E-06	1.90E-05
5781	437384.2	3762339	6.42E-05	0.000219	9.97E-06	3.57E-05	5.37E-06	1.66E-05
5782	437369.1	3762339	6.33E-05	0.000216	9.84E-06	3.53E-05	5.30E-06	1.64E-05
5783	437384	3762309	5.58E-05	0.00019	8.66E-06	3.11E-05	4.67E-06	1.44E-05
5784	437368.9	3762309	5.51E-05	0.000188	8.56E-06	3.07E-05	4.61E-06	1.42E-05
5785	437383.8	3762279	4.89E-05	0.000167	7.60E-06	2.73E-05	4.10E-06	1.26E-05
5786	437368.7	3762279	4.84E-05	0.000165	7.51E-06	2.69E-05	4.05E-06	1.25E-05
5787	437383.6	3762249	4.33E-05	0.000148	6.73E-06	2.41E-05	3.63E-06	1.12E-05
5788	437368.5	3762249	4.28E-05	0.000146	6.66E-06	2.39E-05	3.59E-06	1.11E-05
5789	437383.4	3762219	3.86E-05	0.000132	6.01E-06	2.15E-05	3.23E-06	9.99E-06
5790	437368.3	3762219	3.82E-05	0.00013	5.94E-06	2.13E-05	3.20E-06	9.88E-06
5791	437383.2	3762189	3.47E-05	0.000118	5.40E-06	1.94E-05	2.91E-06	8.98E-06
5792	437368.1	3762189	3.44E-05	0.000117	5.34E-06	1.92E-05	2.88E-06	8.89E-06
5793	437383	3762159	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.12E-06
5794	437368	3762159	3.11E-05	0.000106	4.84E-06	1.73E-05	2.61E-06	8.04E-06
5795	437382.9	3762129	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.40E-06	7.39E-06
5796	437367.8	3762129	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
5797	437382.7	3762099	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
5798	437367.6	3762099	2.6E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.71E-06
5799	437374.4	3761979	1.92E-05	6.55E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
5800	437359.3	3761979	1.9E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
5801	437359	3761939	1.74E-05	5.95E-05	2.71E-06	9.71E-06	1.46E-06	4.51E-06
5802	437358.8	3761899	1.61E-05	5.49E-05	2.50E-06	8.96E-06	1.35E-06	4.16E-06
5803	437353.8	3762709	0.001703	0.005808	2.65E-04	9.49E-04	1.43E-04	4.40E-04
5804	437353.8	3762718	0.00205	0.00699	3.18E-04	1.14E-03	1.72E-04	5.30E-04
5805	437353.8	3762728	0.002458	0.008381	3.82E-04	1.37E-03	2.06E-04	6.35E-04
5806	437353.8	3762738	0.00286	0.009751	4.44E-04	1.59E-03	2.39E-04	7.39E-04
5807	437353.8	3762747	0.003191	0.010881	4.96E-04	1.78E-03	2.67E-04	8.25E-04
5808	437353.8	3762757	0.003423	0.011671	5.32E-04	1.91E-03	2.86E-04	8.84E-04
5809	437353.8	3762767	0.003575	0.012189	5.55E-04	1.99E-03	2.99E-04	9.24E-04
5810	437353.8	3762776	0.003668	0.012506	5.70E-04	2.04E-03	3.07E-04	9.48E-04
5811	437353.8	3762786	0.003692	0.01259	5.74E-04	2.06E-03	3.09E-04	9.54E-04
5812	437353.8	3762796	0.003662	0.012486	5.69E-04	2.04E-03	3.06E-04	9.46E-04
5813	437353.8	3762806	0.00359	0.012241	5.58E-04	2.00E-03	3.00E-04	9.28E-04
5814	437353.8	3762815	0.003472	0.01184	5.40E-04	1.93E-03	2.91E-04	8.97E-04
5815	437353.8	3762825	0.003303	0.011262	5.13E-04	1.84E-03	2.76E-04	8.53E-04
5816	437353.8	3762835	0.003078	0.010494	4.78E-04	1.71E-03	2.58E-04	7.95E-04
5817	437353.8	3762844	0.0028	0.009547	4.35E-04	1.56E-03	2.34E-04	7.23E-04
5818	437353.8	3762854	0.002465	0.008405	3.83E-04	1.37E-03	2.06E-04	6.37E-04
5819	437343.8	3762709	0.001439	0.004907	2.24E-04	8.02E-04	1.20E-04	3.72E-04
5820	437343.8	3762718	0.001679	0.005725	2.61E-04	9.35E-04	1.41E-04	4.34E-04

5821	437343.8	3762728	0.001946	0.006636	3.02E-04	1.08E-03	1.63E-04	5.03E-04
5822	437343.8	3762738	0.002206	0.007523	3.43E-04	1.23E-03	1.85E-04	5.70E-04
5823	437343.8	3762747	0.002427	0.008275	3.77E-04	1.35E-03	2.03E-04	6.27E-04
5824	437343.8	3762757	0.002588	0.008823	4.02E-04	1.44E-03	2.17E-04	6.69E-04
5825	437343.8	3762767	0.002696	0.009194	4.19E-04	1.50E-03	2.26E-04	6.97E-04
5826	437343.8	3762776	0.002762	0.009418	4.29E-04	1.54E-03	2.31E-04	7.14E-04
5827	437343.8	3762786	0.002783	0.00949	4.32E-04	1.55E-03	2.33E-04	7.19E-04
5828	437343.8	3762796	0.002764	0.009424	4.29E-04	1.54E-03	2.31E-04	7.14E-04
5829	437343.8	3762806	0.002708	0.009236	4.21E-04	1.51E-03	2.27E-04	7.00E-04
5830	437343.8	3762815	0.002617	0.008923	4.07E-04	1.46E-03	2.19E-04	6.76E-04
5831	437343.8	3762825	0.002489	0.008486	3.87E-04	1.39E-03	2.08E-04	6.43E-04
5832	437343.8	3762835	0.002322	0.007917	3.61E-04	1.29E-03	1.94E-04	6.00E-04
5833	437343.8	3762844	0.002129	0.007259	3.31E-04	1.19E-03	1.78E-04	5.50E-04
5834	437343.8	3762854	0.001911	0.006516	2.97E-04	1.06E-03	1.60E-04	4.94E-04
5835	437313.8	3762718	0.001009	0.003441	1.57E-04	5.62E-04	8.45E-05	2.61E-04
5836	437313.8	3762728	0.001105	0.003767	1.72E-04	6.15E-04	9.25E-05	2.85E-04
5837	437313.8	3762738	0.001196	0.004079	1.86E-04	6.66E-04	1.00E-04	3.09E-04
5838	437313.8	3762747	0.001278	0.004359	1.99E-04	7.12E-04	1.07E-04	3.30E-04
5839	437313.8	3762757	0.001345	0.004586	2.09E-04	7.49E-04	1.13E-04	3.47E-04
5840	437313.8	3762767	0.001394	0.004754	2.17E-04	7.77E-04	1.17E-04	3.60E-04
5841	437313.8	3762776	0.001427	0.004865	2.22E-04	7.95E-04	1.19E-04	3.69E-04
5842	437313.8	3762786	0.001442	0.004917	2.24E-04	8.03E-04	1.21E-04	3.73E-04
5843	437313.8	3762796	0.00144	0.004911	2.24E-04	8.02E-04	1.21E-04	3.72E-04
5844	437313.8	3762806	0.001422	0.004849	2.21E-04	7.92E-04	1.19E-04	3.67E-04
5845	437313.8	3762815	0.001386	0.004726	2.15E-04	7.72E-04	1.16E-04	3.58E-04
5846	437313.8	3762825	0.001333	0.004544	2.07E-04	7.42E-04	1.12E-04	3.44E-04
5847	437313.8	3762835	0.001264	0.004311	1.96E-04	7.04E-04	1.06E-04	3.27E-04
5848	437303.8	3762718	0.000878	0.002992	1.36E-04	4.89E-04	7.35E-05	2.27E-04
5849	437303.8	3762728	0.000951	0.003242	1.48E-04	5.30E-04	7.96E-05	2.46E-04
5850	437303.8	3762738	0.001021	0.00348	1.59E-04	5.68E-04	8.54E-05	2.64E-04
5851	437303.8	3762747	0.001083	0.003694	1.68E-04	6.03E-04	9.07E-05	2.80E-04
5852	437303.8	3762757	0.001135	0.003869	1.76E-04	6.32E-04	9.50E-05	2.93E-04
5853	437303.8	3762767	0.001174	0.004002	1.82E-04	6.54E-04	9.82E-05	3.03E-04
5854	437303.8	3762776	0.0012	0.004091	1.86E-04	6.68E-04	1.00E-04	3.10E-04
5855	437303.8	3762786	0.001212	0.004134	1.88E-04	6.75E-04	1.01E-04	3.13E-04
5856	437303.8	3762796	0.001212	0.004132	1.88E-04	6.75E-04	1.01E-04	3.13E-04
5857	437303.8	3762806	0.001198	0.004085	1.86E-04	6.67E-04	1.00E-04	3.10E-04
5858	437303.8	3762815	0.001171	0.003993	1.82E-04	6.52E-04	9.80E-05	3.03E-04
5859	437303.8	3762825	0.001131	0.003855	1.76E-04	6.30E-04	9.46E-05	2.92E-04
5860	437303.8	3762835	0.001079	0.003679	1.68E-04	6.01E-04	9.03E-05	2.79E-04
5861	437293.8	3762718	0.000771	0.00263	1.20E-04	4.30E-04	6.46E-05	1.99E-04
5862	437293.8	3762728	0.000829	0.002825	1.29E-04	4.62E-04	6.94E-05	2.14E-04
5863	437293.8	3762738	0.000883	0.003011	1.37E-04	4.92E-04	7.39E-05	2.28E-04
5864	437293.8	3762747	0.000932	0.003178	1.45E-04	5.19E-04	7.80E-05	2.41E-04
5865	437293.8	3762757	0.000972	0.003316	1.51E-04	5.42E-04	8.14E-05	2.51E-04
5866	437293.8	3762767	0.001003	0.003422	1.56E-04	5.59E-04	8.40E-05	2.59E-04
5867	437293.8	3762776	0.001024	0.003493	1.59E-04	5.71E-04	8.57E-05	2.65E-04
5868	437293.8	3762786	0.001035	0.003529	1.61E-04	5.77E-04	8.66E-05	2.67E-04
5869	437293.8	3762796	0.001035	0.003529	1.61E-04	5.77E-04	8.66E-05	2.67E-04
5870	437293.8	3762806	0.001024	0.003493	1.59E-04	5.71E-04	8.57E-05	2.65E-04
5871	437293.8	3762815	0.001004	0.003422	1.56E-04	5.59E-04	8.40E-05	2.59E-04
5872	437293.8	3762825	0.000973	0.003318	1.51E-04	5.42E-04	8.14E-05	2.51E-04

5873	437293.8	3762835	0.000933	0.003182	1.45E-04	5.20E-04	7.81E-05	2.41E-04
5874	437287.1	3762691	0.000573	0.001954	8.90E-05	3.19E-04	4.80E-05	1.48E-04
5875	437283.8	3762718	0.000684	0.002331	1.06E-04	3.81E-04	5.72E-05	1.77E-04
5876	437283.8	3762728	0.000729	0.002487	1.13E-04	4.06E-04	6.11E-05	1.88E-04
5877	437283.8	3762738	0.000773	0.002635	1.20E-04	4.30E-04	6.47E-05	2.00E-04
5878	437283.8	3762747	0.000812	0.002768	1.26E-04	4.52E-04	6.79E-05	2.10E-04
5879	437283.8	3762757	0.000844	0.002878	1.31E-04	4.70E-04	7.07E-05	2.18E-04
5880	437283.8	3762767	0.000869	0.002963	1.35E-04	4.84E-04	7.27E-05	2.25E-04
5881	437283.8	3762776	0.000886	0.003022	1.38E-04	4.94E-04	7.42E-05	2.29E-04
5882	437283.8	3762786	0.000895	0.003051	1.39E-04	4.98E-04	7.49E-05	2.31E-04
5883	437283.8	3762796	0.000895	0.003053	1.39E-04	4.99E-04	7.49E-05	2.31E-04
5884	437283.8	3762806	0.000887	0.003025	1.38E-04	4.94E-04	7.42E-05	2.29E-04
5885	437283.8	3762815	0.000871	0.00297	1.35E-04	4.85E-04	7.29E-05	2.25E-04
5886	437283.8	3762825	0.000847	0.002889	1.32E-04	4.72E-04	7.09E-05	2.19E-04
5887	437283.8	3762835	0.000816	0.002782	1.27E-04	4.54E-04	6.83E-05	2.11E-04
5888	437283.8	3762844	0.000778	0.002652	1.21E-04	4.33E-04	6.51E-05	2.01E-04
5889	437283.6	3762675	0.000488	0.001663	7.58E-05	2.72E-04	4.08E-05	1.26E-04
5890	437290.2	3762659	0.000451	0.001539	7.01E-05	2.51E-04	3.78E-05	1.17E-04
5891	437296.7	3762643	0.000414	0.001413	6.44E-05	2.31E-04	3.47E-05	1.07E-04
5892	437273.8	3762718	0.000611	0.002084	9.50E-05	3.40E-04	5.12E-05	1.58E-04
5893	437273.8	3762728	0.000648	0.00221	1.01E-04	3.61E-04	5.43E-05	1.67E-04
5894	437273.8	3762738	0.000683	0.002329	1.06E-04	3.80E-04	5.72E-05	1.76E-04
5895	437273.8	3762747	0.000714	0.002435	1.11E-04	3.98E-04	5.98E-05	1.85E-04
5896	437273.8	3762757	0.00074	0.002525	1.15E-04	4.12E-04	6.20E-05	1.91E-04
5897	437273.8	3762767	0.000761	0.002595	1.18E-04	4.24E-04	6.37E-05	1.97E-04
5898	437273.8	3762776	0.000775	0.002643	1.20E-04	4.32E-04	6.49E-05	2.00E-04
5899	437273.8	3762786	0.000783	0.002669	1.22E-04	4.36E-04	6.55E-05	2.02E-04
5900	437273.8	3762796	0.000783	0.00267	1.22E-04	4.36E-04	6.55E-05	2.02E-04
5901	437273.8	3762806	0.000777	0.002648	1.21E-04	4.33E-04	6.50E-05	2.01E-04
5902	437273.8	3762815	0.000764	0.002605	1.19E-04	4.26E-04	6.39E-05	1.97E-04
5903	437273.8	3762825	0.000745	0.00254	1.16E-04	4.15E-04	6.23E-05	1.92E-04
5904	437273.8	3762835	0.00072	0.002454	1.12E-04	4.01E-04	6.02E-05	1.86E-04
5905	437273.8	3762844	0.000689	0.002348	1.07E-04	3.84E-04	5.76E-05	1.78E-04
5906	437267.4	3762690	0.000473	0.001613	7.35E-05	2.64E-04	3.96E-05	1.22E-04
5907	437263.8	3762718	0.00055	0.001876	8.55E-05	3.06E-04	4.60E-05	1.42E-04
5908	437263.8	3762728	0.00058	0.001979	9.02E-05	3.23E-04	4.86E-05	1.50E-04
5909	437263.8	3762738	0.000608	0.002075	9.45E-05	3.39E-04	5.09E-05	1.57E-04
5910	437263.8	3762747	0.000634	0.002161	9.85E-05	3.53E-04	5.31E-05	1.64E-04
5911	437263.8	3762757	0.000655	0.002235	1.02E-04	3.65E-04	5.49E-05	1.69E-04
5912	437263.8	3762767	0.000672	0.002293	1.04E-04	3.75E-04	5.63E-05	1.74E-04
5913	437263.8	3762776	0.000685	0.002334	1.06E-04	3.81E-04	5.73E-05	1.77E-04
5914	437263.8	3762786	0.000691	0.002356	1.07E-04	3.85E-04	5.78E-05	1.79E-04
5915	437263.8	3762796	0.000691	0.002358	1.07E-04	3.85E-04	5.79E-05	1.79E-04
5916	437263.8	3762806	0.000686	0.00234	1.07E-04	3.82E-04	5.74E-05	1.77E-04
5917	437263.8	3762815	0.000676	0.002305	1.05E-04	3.77E-04	5.66E-05	1.75E-04
5918	437263.8	3762825	0.00066	0.002252	1.03E-04	3.68E-04	5.53E-05	1.71E-04
5919	437263.8	3762835	0.00064	0.002181	9.94E-05	3.56E-04	5.35E-05	1.65E-04
5920	437263.8	3762844	0.000614	0.002095	9.55E-05	3.42E-04	5.14E-05	1.59E-04
5921	437247.3	3762690	0.000398	0.001359	6.19E-05	2.22E-04	3.33E-05	1.03E-04
5922	437320.9	3762597	0.000315	0.001074	4.89E-05	1.75E-04	2.64E-05	8.14E-05
5923	437346.2	3762586	0.000318	0.001083	4.93E-05	1.77E-04	2.66E-05	8.21E-05
5924	437243.8	3762718	0.000453	0.001544	7.03E-05	2.52E-04	3.79E-05	1.17E-04

5925	437243.8	3762728	0.000474	0.001615	7.36E-05	2.64E-04	3.96E-05	1.22E-04
5926	437243.8	3762738	0.000493	0.001681	7.66E-05	2.75E-04	4.13E-05	1.27E-04
5927	437243.8	3762747	0.00051	0.00174	7.93E-05	2.84E-04	4.27E-05	1.32E-04
5928	437243.8	3762757	0.000525	0.001791	8.16E-05	2.93E-04	4.40E-05	1.36E-04
5929	437243.8	3762767	0.000537	0.001832	8.35E-05	2.99E-04	4.50E-05	1.39E-04
5930	437243.8	3762776	0.000546	0.001861	8.48E-05	3.04E-04	4.57E-05	1.41E-04
5931	437243.8	3762786	0.00055	0.001876	8.55E-05	3.07E-04	4.61E-05	1.42E-04
5932	437243.8	3762796	0.000551	0.001879	8.56E-05	3.07E-04	4.61E-05	1.42E-04
5933	437243.8	3762806	0.000548	0.001867	8.51E-05	3.05E-04	4.58E-05	1.41E-04
5934	437243.8	3762815	0.000541	0.001843	8.40E-05	3.01E-04	4.52E-05	1.40E-04
5935	437243.8	3762825	0.00053	0.001806	8.23E-05	2.95E-04	4.43E-05	1.37E-04
5936	437243.8	3762835	0.000515	0.001758	8.01E-05	2.87E-04	4.31E-05	1.33E-04
5937	437243.8	3762844	0.000498	0.001698	7.74E-05	2.77E-04	4.17E-05	1.29E-04
5938	437227.2	3762691	0.000342	0.001165	5.31E-05	1.90E-04	2.86E-05	8.83E-05
5939	437305.5	3762583	0.000263	0.000897	4.09E-05	1.47E-04	2.20E-05	6.80E-05
5940	437321.9	3762576	0.000266	0.000906	4.13E-05	1.48E-04	2.22E-05	6.86E-05
5941	437346.5	3762566	0.000265	0.000904	4.12E-05	1.48E-04	2.22E-05	6.85E-05
5942	437223.8	3762718	0.000379	0.001293	5.89E-05	2.11E-04	3.17E-05	9.80E-05
5943	437223.8	3762728	0.000394	0.001345	6.13E-05	2.20E-04	3.30E-05	1.02E-04
5944	437223.8	3762738	0.000408	0.001392	6.34E-05	2.27E-04	3.42E-05	1.06E-04
5945	437223.8	3762747	0.000421	0.001435	6.54E-05	2.34E-04	3.52E-05	1.09E-04
5946	437223.8	3762757	0.000431	0.001471	6.70E-05	2.40E-04	3.61E-05	1.11E-04
5947	437223.8	3762767	0.00044	0.001499	6.83E-05	2.45E-04	3.68E-05	1.14E-04
5948	437223.8	3762776	0.000445	0.001519	6.92E-05	2.48E-04	3.73E-05	1.15E-04
5949	437223.8	3762786	0.000449	0.00153	6.97E-05	2.50E-04	3.76E-05	1.16E-04
5950	437223.8	3762796	0.000449	0.001532	6.98E-05	2.50E-04	3.76E-05	1.16E-04
5951	437223.8	3762806	0.000447	0.001525	6.95E-05	2.49E-04	3.74E-05	1.16E-04
5952	437223.8	3762815	0.000442	0.001507	6.87E-05	2.46E-04	3.70E-05	1.14E-04
5953	437223.8	3762825	0.000434	0.001481	6.75E-05	2.42E-04	3.64E-05	1.12E-04
5954	437223.8	3762835	0.000424	0.001447	6.59E-05	2.36E-04	3.55E-05	1.10E-04
5955	437223.8	3762844	0.000412	0.001404	6.40E-05	2.29E-04	3.45E-05	1.06E-04
5956	437207.4	3762690	0.000294	0.001002	4.57E-05	1.64E-04	2.46E-05	7.59E-05
5957	437293.6	3762568	0.000223	0.000762	3.47E-05	1.24E-04	1.87E-05	5.77E-05
5958	437319.5	3762557	0.000226	0.000771	3.51E-05	1.26E-04	1.89E-05	5.84E-05
5959	437336.8	3762550	0.000225	0.000768	3.50E-05	1.25E-04	1.88E-05	5.82E-05
5960	437345.5	3762546	0.000224	0.000764	3.48E-05	1.25E-04	1.88E-05	5.79E-05
5961	437203.8	3762718	0.000322	0.001098	5.00E-05	1.79E-04	2.69E-05	8.32E-05
5962	437203.8	3762728	0.000333	0.001136	5.18E-05	1.86E-04	2.79E-05	8.61E-05
5963	437203.8	3762738	0.000343	0.001171	5.34E-05	1.91E-04	2.87E-05	8.87E-05
5964	437203.8	3762747	0.000352	0.001202	5.48E-05	1.96E-04	2.95E-05	9.11E-05
5965	437203.8	3762757	0.00036	0.001228	5.60E-05	2.01E-04	3.01E-05	9.31E-05
5966	437203.8	3762767	0.000366	0.001249	5.69E-05	2.04E-04	3.07E-05	9.47E-05
5967	437203.8	3762776	0.000371	0.001264	5.76E-05	2.06E-04	3.10E-05	9.58E-05
5968	437203.8	3762786	0.000373	0.001272	5.80E-05	2.08E-04	3.12E-05	9.64E-05
5969	437203.8	3762796	0.000373	0.001273	5.80E-05	2.08E-04	3.13E-05	9.65E-05
5970	437203.8	3762806	0.000372	0.001268	5.78E-05	2.07E-04	3.11E-05	9.60E-05
5971	437203.8	3762815	0.000368	0.001255	5.72E-05	2.05E-04	3.08E-05	9.51E-05
5972	437203.8	3762825	0.000362	0.001236	5.63E-05	2.02E-04	3.03E-05	9.36E-05
5973	437203.8	3762835	0.000355	0.001211	5.52E-05	1.98E-04	2.97E-05	9.17E-05
5974	437203.8	3762844	0.000346	0.00118	5.38E-05	1.93E-04	2.90E-05	8.94E-05
5975	437187.3	3762690	0.000255	0.000871	3.97E-05	1.42E-04	2.14E-05	6.60E-05
5976	437303.6	3762544	0.000194	0.000662	3.02E-05	1.08E-04	1.63E-05	5.02E-05

5977	437320.5	3762537	0.000194	0.000661	3.01E-05	1.08E-04	1.62E-05	5.01E-05
5978	437345.8	3762526	0.000191	0.000652	2.97E-05	1.07E-04	1.60E-05	4.94E-05
5979	437183.8	3762718	0.000276	0.000942	4.29E-05	1.54E-04	2.31E-05	7.14E-05
5980	437183.8	3762728	0.000285	0.000972	4.43E-05	1.59E-04	2.38E-05	7.36E-05
5981	437183.8	3762738	0.000293	0.000998	4.55E-05	1.63E-04	2.45E-05	7.56E-05
5982	437183.8	3762747	0.0003	0.001021	4.65E-05	1.67E-04	2.51E-05	7.74E-05
5983	437183.8	3762757	0.000305	0.001041	4.74E-05	1.70E-04	2.56E-05	7.89E-05
5984	437265.9	3762539	0.000167	0.000568	2.59E-05	9.29E-05	1.40E-05	4.31E-05
5985	437274.7	3762536	0.000168	0.000572	2.61E-05	9.34E-05	1.40E-05	4.33E-05
5986	437292.2	3762528	0.000169	0.000576	2.62E-05	9.40E-05	1.41E-05	4.36E-05
5987	437318.6	3762517	0.000168	0.000573	2.61E-05	9.36E-05	1.41E-05	4.34E-05
5988	437336.2	3762510	0.000166	0.000566	2.58E-05	9.25E-05	1.39E-05	4.29E-05
5989	437345	3762506	0.000165	0.000562	2.56E-05	9.18E-05	1.38E-05	4.26E-05
5990	437147.4	3762690	0.000197	0.000673	3.07E-05	1.10E-04	1.65E-05	5.10E-05
5991	437250.7	3762526	0.000146	0.000498	2.27E-05	8.13E-05	1.22E-05	3.77E-05
5992	437276.5	3762515	0.000148	0.000505	2.30E-05	8.25E-05	1.24E-05	3.82E-05
5993	437293.7	3762508	0.000148	0.000505	2.30E-05	8.24E-05	1.24E-05	3.82E-05
5994	437319.5	3762497	0.000146	0.000499	2.27E-05	8.15E-05	1.23E-05	3.78E-05
5995	437336.6	3762490	0.000144	0.000493	2.24E-05	8.05E-05	1.21E-05	3.73E-05
5996	437345.2	3762486	0.000143	0.000488	2.23E-05	7.98E-05	1.20E-05	3.70E-05
5997	437143.8	3762699	0.000199	0.000677	3.09E-05	1.11E-04	1.66E-05	5.13E-05
5998	437143.8	3762709	0.000205	0.000697	3.18E-05	1.14E-04	1.71E-05	5.28E-05
5999	437143.8	3762718	0.00021	0.000716	3.26E-05	1.17E-04	1.76E-05	5.43E-05
6000	437143.8	3762728	0.000215	0.000734	3.35E-05	1.20E-04	1.80E-05	5.56E-05
6001	437143.8	3762738	0.00022	0.00075	3.42E-05	1.23E-04	1.84E-05	5.68E-05
6002	437143.8	3762747	0.000224	0.000764	3.48E-05	1.25E-04	1.88E-05	5.79E-05
6003	437143.8	3762757	0.000227	0.000776	3.53E-05	1.27E-04	1.90E-05	5.88E-05
6004	437143.8	3762767	0.00023	0.000785	3.58E-05	1.28E-04	1.93E-05	5.95E-05
6005	437143.8	3762776	0.000232	0.000791	3.60E-05	1.29E-04	1.94E-05	5.99E-05
6006	437143.8	3762786	0.000233	0.000794	3.62E-05	1.30E-04	1.95E-05	6.02E-05
6007	437143.8	3762796	0.000233	0.000795	3.62E-05	1.30E-04	1.95E-05	6.02E-05
6008	437143.8	3762806	0.000232	0.000792	3.61E-05	1.29E-04	1.94E-05	6.00E-05
6009	437143.8	3762815	0.000231	0.000786	3.58E-05	1.28E-04	1.93E-05	5.96E-05
6010	437143.8	3762825	0.000228	0.000778	3.54E-05	1.27E-04	1.91E-05	5.89E-05
6011	437143.8	3762835	0.000225	0.000766	3.49E-05	1.25E-04	1.88E-05	5.81E-05
6012	437127.5	3762690	0.000175	0.000598	2.73E-05	9.77E-05	1.47E-05	4.53E-05
6013	437238	3762511	0.000129	0.000441	2.01E-05	7.20E-05	1.08E-05	3.34E-05
6014	437246.8	3762507	0.00013	0.000443	2.02E-05	7.24E-05	1.09E-05	3.36E-05
6015	437264.6	3762500	0.000131	0.000446	2.03E-05	7.29E-05	1.10E-05	3.38E-05
6016	437291.3	3762489	0.000131	0.000445	2.03E-05	7.28E-05	1.09E-05	3.38E-05
6017	437317.9	3762478	0.000129	0.000439	2.00E-05	7.17E-05	1.08E-05	3.32E-05
6018	437335.7	3762470	0.000127	0.000432	1.97E-05	7.06E-05	1.06E-05	3.27E-05
6019	437344.5	3762466	0.000125	0.000428	1.95E-05	6.99E-05	1.05E-05	3.24E-05
6020	437123.8	3762699	0.000176	0.000601	2.74E-05	9.82E-05	1.48E-05	4.56E-05
6021	437123.8	3762709	0.000181	0.000617	2.81E-05	1.01E-04	1.52E-05	4.68E-05
6022	437123.8	3762718	0.000186	0.000633	2.88E-05	1.03E-04	1.55E-05	4.79E-05
6023	437123.8	3762728	0.00019	0.000647	2.95E-05	1.06E-04	1.59E-05	4.90E-05
6024	437123.8	3762738	0.000193	0.000659	3.00E-05	1.08E-04	1.62E-05	5.00E-05
6025	437123.8	3762747	0.000197	0.00067	3.05E-05	1.09E-04	1.65E-05	5.08E-05
6026	437123.8	3762757	0.000199	0.000679	3.10E-05	1.11E-04	1.67E-05	5.15E-05
6027	437123.8	3762767	0.000201	0.000686	3.13E-05	1.12E-04	1.68E-05	5.20E-05
6028	437123.8	3762776	0.000203	0.000691	3.15E-05	1.13E-04	1.70E-05	5.24E-05

6029	437123.8	3762786	0.000203	0.000694	3.16E-05	1.13E-04	1.70E-05	5.26E-05
6030	437123.8	3762796	0.000204	0.000694	3.16E-05	1.13E-04	1.70E-05	5.26E-05
6031	437123.8	3762806	0.000203	0.000692	3.15E-05	1.13E-04	1.70E-05	5.24E-05
6032	437123.8	3762815	0.000202	0.000687	3.13E-05	1.12E-04	1.69E-05	5.21E-05
6033	437123.8	3762825	0.000199	0.00068	3.10E-05	1.11E-04	1.67E-05	5.15E-05
6034	437123.8	3762835	0.000197	0.000671	3.06E-05	1.10E-04	1.65E-05	5.09E-05
6035	437107.4	3762690	0.000157	0.000535	2.44E-05	8.74E-05	1.31E-05	4.05E-05
6036	437214.2	3762501	0.000114	0.00039	1.78E-05	6.37E-05	9.57E-06	2.95E-05
6037	437222.9	3762497	0.000115	0.000392	1.79E-05	6.41E-05	9.63E-06	2.97E-05
6038	437249	3762486	0.000117	0.000397	1.81E-05	6.49E-05	9.75E-06	3.01E-05
6039	437275.1	3762475	0.000117	0.000397	1.81E-05	6.49E-05	9.76E-06	3.01E-05
6040	437292.5	3762468	0.000116	0.000395	1.80E-05	6.45E-05	9.69E-06	2.99E-05
6041	437318.6	3762457	0.000114	0.000387	1.76E-05	6.32E-05	9.50E-06	2.93E-05
6042	437336.1	3762450	0.000112	0.000381	1.73E-05	6.22E-05	9.34E-06	2.88E-05
6043	437344.8	3762446	0.000111	0.000377	1.72E-05	6.16E-05	9.25E-06	2.86E-05
6044	437103.8	3762699	0.000158	0.000537	2.45E-05	8.78E-05	1.32E-05	4.07E-05
6045	437103.8	3762709	0.000161	0.000551	2.51E-05	8.99E-05	1.35E-05	4.17E-05
6046	437103.8	3762718	0.000165	0.000563	2.56E-05	9.19E-05	1.38E-05	4.26E-05
6047	437103.8	3762728	0.000168	0.000574	2.62E-05	9.38E-05	1.41E-05	4.35E-05
6048	437103.8	3762738	0.000171	0.000584	2.66E-05	9.54E-05	1.43E-05	4.43E-05
6049	437103.8	3762747	0.000174	0.000593	2.70E-05	9.69E-05	1.46E-05	4.49E-05
6050	437103.8	3762757	0.000176	0.0006	2.73E-05	9.80E-05	1.47E-05	4.55E-05
6051	437103.8	3762767	0.000178	0.000606	2.76E-05	9.89E-05	1.49E-05	4.59E-05
6052	437103.8	3762776	0.000179	0.000609	2.78E-05	9.95E-05	1.50E-05	4.62E-05
6053	437103.8	3762786	0.000179	0.000611	2.79E-05	9.99E-05	1.50E-05	4.63E-05
6054	437103.8	3762796	0.000179	0.000611	2.78E-05	9.98E-05	1.50E-05	4.63E-05
6055	437103.8	3762806	0.000179	0.000609	2.78E-05	9.95E-05	1.50E-05	4.62E-05
6056	437103.8	3762815	0.000178	0.000605	2.76E-05	9.89E-05	1.49E-05	4.59E-05
6057	437103.8	3762825	0.000176	0.0006	2.73E-05	9.80E-05	1.47E-05	4.55E-05
6058	437103.8	3762835	0.000174	0.000593	2.70E-05	9.68E-05	1.45E-05	4.49E-05
6059	437087.3	3762690	0.000141	0.000481	2.19E-05	7.86E-05	1.18E-05	3.65E-05
6060	437199.4	3762487	0.000102	0.000349	1.59E-05	5.70E-05	8.57E-06	2.64E-05
6061	437208	3762484	0.000103	0.000351	1.60E-05	5.74E-05	8.62E-06	2.66E-05
6062	437233.7	3762473	0.000104	0.000356	1.62E-05	5.81E-05	8.73E-06	2.70E-05
6063	437250.8	3762466	0.000105	0.000357	1.62E-05	5.82E-05	8.75E-06	2.70E-05
6064	437267.9	3762458	0.000104	0.000356	1.62E-05	5.81E-05	8.73E-06	2.70E-05
6065	437276.5	3762455	0.000104	0.000355	1.62E-05	5.80E-05	8.71E-06	2.69E-05
6066	437293.6	3762448	0.000103	0.000351	1.60E-05	5.74E-05	8.62E-06	2.66E-05
6067	437310.7	3762440	0.000102	0.000346	1.58E-05	5.66E-05	8.50E-06	2.63E-05
6068	437336.4	3762430	9.9E-05	0.000338	1.54E-05	5.51E-05	8.29E-06	2.56E-05
6069	437353.5	3762423	9.7E-05	0.000331	1.51E-05	5.41E-05	8.12E-06	2.51E-05
6070	437083.8	3762699	0.000142	0.000483	2.20E-05	7.89E-05	1.18E-05	3.66E-05
6071	437083.8	3762709	0.000145	0.000494	2.25E-05	8.07E-05	1.21E-05	3.74E-05
6072	437083.8	3762718	0.000148	0.000504	2.30E-05	8.23E-05	1.24E-05	3.82E-05
6073	437083.8	3762728	0.00015	0.000513	2.34E-05	8.38E-05	1.26E-05	3.89E-05
6074	437083.8	3762738	0.000153	0.000521	2.38E-05	8.52E-05	1.28E-05	3.95E-05
6075	437083.8	3762747	0.000155	0.000528	2.41E-05	8.63E-05	1.30E-05	4.00E-05
6076	437083.8	3762757	0.000157	0.000534	2.43E-05	8.72E-05	1.31E-05	4.05E-05
6077	437083.8	3762767	0.000158	0.000538	2.45E-05	8.80E-05	1.32E-05	4.08E-05
6078	437083.8	3762776	0.000159	0.000541	2.47E-05	8.84E-05	1.33E-05	4.10E-05
6079	437083.8	3762786	0.000159	0.000543	2.47E-05	8.87E-05	1.33E-05	4.11E-05
6080	437083.8	3762796	0.000159	0.000543	2.47E-05	8.87E-05	1.33E-05	4.11E-05

6081	437083.8	3762806	0.000159	0.000541	2.47E-05	8.84E-05	1.33E-05	4.10E-05
6082	437083.8	3762815	0.000158	0.000538	2.45E-05	8.79E-05	1.32E-05	4.08E-05
6083	437083.8	3762825	0.000157	0.000534	2.43E-05	8.72E-05	1.31E-05	4.04E-05
6084	437083.8	3762835	0.000155	0.000528	2.41E-05	8.63E-05	1.30E-05	4.00E-05
6085	437074.7	3762672	0.000126	0.000431	1.96E-05	7.04E-05	1.06E-05	3.26E-05
6086	437078.3	3762664	0.000125	0.000428	1.95E-05	6.99E-05	1.05E-05	3.24E-05
6087	437082	3762655	0.000124	0.000424	1.93E-05	6.93E-05	1.04E-05	3.21E-05
6088	437085.6	3762646	0.000123	0.00042	1.91E-05	6.86E-05	1.03E-05	3.18E-05
6089	437089.2	3762637	0.000122	0.000415	1.89E-05	6.78E-05	1.02E-05	3.14E-05
6090	437092.9	3762628	0.00012	0.00041	1.87E-05	6.70E-05	1.01E-05	3.11E-05
6091	437096.5	3762620	0.000119	0.000405	1.84E-05	6.61E-05	9.94E-06	3.07E-05
6092	437100.1	3762611	0.000117	0.000399	1.82E-05	6.52E-05	9.80E-06	3.03E-05
6093	437103.8	3762602	0.000115	0.000393	1.79E-05	6.43E-05	9.66E-06	2.98E-05
6094	437107.4	3762593	0.000114	0.000387	1.76E-05	6.32E-05	9.50E-06	2.93E-05
6095	437114.7	3762576	0.00011	0.000374	1.71E-05	6.12E-05	9.19E-06	2.84E-05
6096	437118.3	3762567	0.000108	0.000368	1.68E-05	6.01E-05	9.03E-06	2.79E-05
6097	437121.9	3762558	0.000106	0.000361	1.65E-05	5.90E-05	8.87E-06	2.74E-05
6098	437125.6	3762549	0.000104	0.000354	1.61E-05	5.79E-05	8.70E-06	2.69E-05
6099	437132.8	3762532	9.98E-05	0.00034	1.55E-05	5.56E-05	8.35E-06	2.58E-05
6100	437136.5	3762523	9.77E-05	0.000333	1.52E-05	5.44E-05	8.18E-06	2.52E-05
6101	437140.1	3762514	9.55E-05	0.000326	1.48E-05	5.32E-05	8.00E-06	2.47E-05
6102	437143.7	3762505	9.33E-05	0.000318	1.45E-05	5.20E-05	7.81E-06	2.41E-05
6103	437186.2	3762473	9.23E-05	0.000315	1.43E-05	5.14E-05	7.73E-06	2.39E-05
6104	437194.9	3762469	9.29E-05	0.000317	1.44E-05	5.18E-05	7.78E-06	2.40E-05
6105	437203.7	3762465	9.34E-05	0.000319	1.45E-05	5.20E-05	7.82E-06	2.41E-05
6106	437221.3	3762458	9.41E-05	0.000321	1.46E-05	5.24E-05	7.87E-06	2.43E-05
6107	437238.9	3762451	9.42E-05	0.000321	1.46E-05	5.25E-05	7.89E-06	2.43E-05
6108	437247.7	3762447	9.42E-05	0.000321	1.46E-05	5.25E-05	7.88E-06	2.43E-05
6109	437265.2	3762439	9.38E-05	0.00032	1.46E-05	5.22E-05	7.85E-06	2.42E-05
6110	437282.8	3762432	9.29E-05	0.000317	1.44E-05	5.18E-05	7.78E-06	2.40E-05
6111	437291.6	3762428	9.23E-05	0.000315	1.43E-05	5.14E-05	7.73E-06	2.39E-05
6112	437309.2	3762421	9.09E-05	0.00031	1.41E-05	5.06E-05	7.61E-06	2.35E-05
6113	437326.8	3762414	8.93E-05	0.000304	1.39E-05	4.97E-05	7.47E-06	2.31E-05
6114	437335.6	3762410	8.84E-05	0.000301	1.37E-05	4.92E-05	7.40E-06	2.28E-05
6115	437353.1	3762403	8.66E-05	0.000295	1.35E-05	4.82E-05	7.25E-06	2.24E-05
6116	437063.8	3762709	0.00013	0.000445	2.03E-05	7.27E-05	1.09E-05	3.37E-05
6117	437063.8	3762718	0.000133	0.000453	2.07E-05	7.41E-05	1.11E-05	3.44E-05
6118	437063.8	3762728	0.000135	0.000461	2.10E-05	7.53E-05	1.13E-05	3.49E-05
6119	437063.8	3762738	0.000137	0.000468	2.13E-05	7.64E-05	1.15E-05	3.55E-05
6120	437063.8	3762747	0.000139	0.000474	2.16E-05	7.74E-05	1.16E-05	3.59E-05
6121	437063.8	3762757	0.00014	0.000478	2.18E-05	7.81E-05	1.17E-05	3.62E-05
6122	437063.8	3762767	0.000141	0.000482	2.20E-05	7.87E-05	1.18E-05	3.65E-05
6123	437063.8	3762776	0.000142	0.000484	2.21E-05	7.91E-05	1.19E-05	3.67E-05
6124	437063.8	3762786	0.000142	0.000485	2.21E-05	7.93E-05	1.19E-05	3.68E-05
6125	437063.8	3762796	0.000142	0.000485	2.21E-05	7.93E-05	1.19E-05	3.68E-05
6126	437063.8	3762806	0.000142	0.000484	2.20E-05	7.90E-05	1.19E-05	3.67E-05
6127	437063.8	3762815	0.000141	0.000481	2.19E-05	7.86E-05	1.18E-05	3.65E-05
6128	437063.8	3762825	0.00014	0.000478	2.18E-05	7.80E-05	1.17E-05	3.62E-05
6129	437063.8	3762835	0.000139	0.000473	2.16E-05	7.73E-05	1.16E-05	3.58E-05
6130	437063.8	3762844	0.000137	0.000467	2.13E-05	7.64E-05	1.15E-05	3.54E-05
6131	437044.9	3762672	0.00011	0.000374	1.71E-05	6.12E-05	9.19E-06	2.84E-05
6132	437048.6	3762663	0.000109	0.000372	1.70E-05	6.08E-05	9.13E-06	2.82E-05

6133	437052.3	3762654	0.000108	0.000369	1.68E-05	6.03E-05	9.07E-06	2.80E-05
6134	437055.9	3762645	0.000107	0.000366	1.67E-05	5.98E-05	8.99E-06	2.77E-05
6135	437059.6	3762636	0.000106	0.000363	1.65E-05	5.92E-05	8.90E-06	2.75E-05
6136	437067	3762618	0.000104	0.000355	1.62E-05	5.79E-05	8.70E-06	2.69E-05
6137	437070.7	3762609	0.000103	0.00035	1.60E-05	5.72E-05	8.60E-06	2.65E-05
6138	437074.4	3762601	0.000101	0.000346	1.58E-05	5.65E-05	8.49E-06	2.62E-05
6139	437078.1	3762592	9.99E-05	0.000341	1.55E-05	5.57E-05	8.36E-06	2.58E-05
6140	437081.8	3762583	9.84E-05	0.000336	1.53E-05	5.48E-05	8.24E-06	2.54E-05
6141	437085.5	3762574	9.68E-05	0.00033	1.50E-05	5.39E-05	8.10E-06	2.50E-05
6142	437089.1	3762565	9.53E-05	0.000325	1.48E-05	5.31E-05	7.98E-06	2.46E-05
6143	437096.5	3762547	9.23E-05	0.000315	1.43E-05	5.14E-05	7.73E-06	2.38E-05
6144	437100.2	3762538	9.07E-05	0.000309	1.41E-05	5.05E-05	7.60E-06	2.34E-05
6145	437103.9	3762529	8.91E-05	0.000304	1.38E-05	4.96E-05	7.46E-06	2.30E-05
6146	437107.6	3762520	8.74E-05	0.000298	1.36E-05	4.87E-05	7.32E-06	2.26E-05
6147	437115	3762502	8.4E-05	0.000287	1.31E-05	4.68E-05	7.03E-06	2.17E-05
6148	437118.7	3762493	8.23E-05	0.000281	1.28E-05	4.58E-05	6.89E-06	2.13E-05
6149	437183.3	3762444	8.09E-05	0.000276	1.26E-05	4.50E-05	6.77E-06	2.09E-05
6150	437192.2	3762440	8.12E-05	0.000277	1.26E-05	4.52E-05	6.79E-06	2.10E-05
6151	437201.1	3762436	8.14E-05	0.000278	1.27E-05	4.54E-05	6.82E-06	2.10E-05
6152	437210	3762433	8.16E-05	0.000278	1.27E-05	4.55E-05	6.83E-06	2.11E-05
6153	437219	3762429	8.17E-05	0.000278	1.27E-05	4.55E-05	6.84E-06	2.11E-05
6154	437227.9	3762425	8.16E-05	0.000278	1.27E-05	4.55E-05	6.83E-06	2.11E-05
6155	437236.8	3762421	8.14E-05	0.000278	1.27E-05	4.54E-05	6.82E-06	2.10E-05
6156	437245.7	3762418	8.12E-05	0.000277	1.26E-05	4.52E-05	6.80E-06	2.10E-05
6157	437254.7	3762414	8.09E-05	0.000276	1.26E-05	4.50E-05	6.77E-06	2.09E-05
6158	437263.6	3762410	8.05E-05	0.000274	1.25E-05	4.48E-05	6.74E-06	2.08E-05
6159	437272.5	3762406	8E-05	0.000273	1.24E-05	4.46E-05	6.70E-06	2.07E-05
6160	437281.4	3762403	7.95E-05	0.000271	1.24E-05	4.43E-05	6.65E-06	2.05E-05
6161	437290.3	3762399	7.89E-05	0.000269	1.23E-05	4.39E-05	6.60E-06	2.04E-05
6162	437299.3	3762395	7.83E-05	0.000267	1.22E-05	4.36E-05	6.55E-06	2.02E-05
6163	437308.2	3762391	7.76E-05	0.000264	1.21E-05	4.32E-05	6.49E-06	2.00E-05
6164	437317.1	3762388	7.68E-05	0.000262	1.19E-05	4.28E-05	6.43E-06	1.99E-05
6165	437326	3762384	7.61E-05	0.000259	1.18E-05	4.24E-05	6.37E-06	1.97E-05
6166	437335	3762380	7.53E-05	0.000257	1.17E-05	4.19E-05	6.30E-06	1.95E-05
6167	437343.9	3762376	7.45E-05	0.000254	1.16E-05	4.15E-05	6.24E-06	1.93E-05
6168	437352.8	3762373	7.38E-05	0.000252	1.15E-05	4.11E-05	6.17E-06	1.91E-05
6169	437033.8	3762709	0.000113	0.000385	1.75E-05	6.28E-05	9.44E-06	2.91E-05
6170	437033.8	3762718	0.000115	0.000391	1.78E-05	6.39E-05	9.60E-06	2.96E-05
6171	437033.8	3762728	0.000116	0.000397	1.81E-05	6.48E-05	9.74E-06	3.01E-05
6172	437033.8	3762738	0.000118	0.000402	1.83E-05	6.57E-05	9.87E-06	3.05E-05
6173	437033.8	3762747	0.000119	0.000406	1.85E-05	6.64E-05	9.97E-06	3.08E-05
6174	437033.8	3762757	0.00012	0.00041	1.87E-05	6.69E-05	1.01E-05	3.10E-05
6175	437033.8	3762767	0.000121	0.000412	1.88E-05	6.74E-05	1.01E-05	3.12E-05
6176	437033.8	3762776	0.000121	0.000414	1.89E-05	6.76E-05	1.02E-05	3.14E-05
6177	437033.8	3762786	0.000122	0.000415	1.89E-05	6.77E-05	1.02E-05	3.14E-05
6178	437033.8	3762796	0.000122	0.000414	1.89E-05	6.77E-05	1.02E-05	3.14E-05
6179	437033.8	3762806	0.000121	0.000413	1.88E-05	6.75E-05	1.01E-05	3.13E-05
6180	437033.8	3762815	0.000121	0.000411	1.87E-05	6.72E-05	1.01E-05	3.12E-05
6181	437033.8	3762825	0.00012	0.000409	1.86E-05	6.67E-05	1.00E-05	3.10E-05
6182	437033.8	3762835	0.000119	0.000405	1.85E-05	6.62E-05	9.94E-06	3.07E-05
6183	437033.8	3762844	0.000118	0.000401	1.83E-05	6.55E-05	9.84E-06	3.04E-05
6184	437014.6	3762673	9.63E-05	0.000329	1.50E-05	5.37E-05	8.06E-06	2.49E-05

6185	437018.2	3762664	9.59E-05	0.000327	1.49E-05	5.34E-05	8.03E-06	2.48E-05
6186	437021.8	3762655	9.53E-05	0.000325	1.48E-05	5.31E-05	7.98E-06	2.46E-05
6187	437025.5	3762646	9.47E-05	0.000323	1.47E-05	5.27E-05	7.92E-06	2.45E-05
6188	437029.1	3762638	9.39E-05	0.00032	1.46E-05	5.23E-05	7.86E-06	2.43E-05
6189	437032.7	3762629	9.31E-05	0.000317	1.45E-05	5.19E-05	7.79E-06	2.41E-05
6190	437036.3	3762620	9.22E-05	0.000314	1.43E-05	5.14E-05	7.72E-06	2.38E-05
6191	437039.9	3762611	9.13E-05	0.000311	1.42E-05	5.08E-05	7.64E-06	2.36E-05
6192	437043.5	3762603	9.02E-05	0.000308	1.40E-05	5.03E-05	7.55E-06	2.33E-05
6193	437047.1	3762594	8.91E-05	0.000304	1.38E-05	4.96E-05	7.46E-06	2.30E-05
6194	437050.7	3762585	8.78E-05	0.000299	1.36E-05	4.89E-05	7.35E-06	2.27E-05
6195	437054.3	3762576	8.65E-05	0.000295	1.34E-05	4.82E-05	7.24E-06	2.24E-05
6196	437057.9	3762568	8.52E-05	0.000291	1.32E-05	4.75E-05	7.14E-06	2.20E-05
6197	437061.5	3762559	8.41E-05	0.000287	1.31E-05	4.68E-05	7.04E-06	2.17E-05
6198	437065.1	3762550	8.29E-05	0.000283	1.29E-05	4.62E-05	6.94E-06	2.14E-05
6199	437072.4	3762533	8.05E-05	0.000275	1.25E-05	4.49E-05	6.74E-06	2.08E-05
6200	437076	3762524	7.93E-05	0.000271	1.23E-05	4.42E-05	6.64E-06	2.05E-05
6201	437079.6	3762515	7.81E-05	0.000266	1.21E-05	4.35E-05	6.54E-06	2.02E-05
6202	437083.2	3762506	7.69E-05	0.000262	1.19E-05	4.28E-05	6.43E-06	1.99E-05
6203	437090.4	3762489	7.42E-05	0.000253	1.15E-05	4.13E-05	6.21E-06	1.92E-05
6204	437117.2	3762441	6.82E-05	0.000233	1.06E-05	3.80E-05	5.71E-06	1.76E-05
6205	437143.4	3762431	6.99E-05	0.000238	1.09E-05	3.89E-05	5.85E-06	1.81E-05
6206	437178.3	3762416	7.12E-05	0.000243	1.11E-05	3.96E-05	5.96E-06	1.84E-05
6207	437187	3762412	7.13E-05	0.000243	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6208	437195.7	3762409	7.13E-05	0.000243	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6209	437204.4	3762405	7.13E-05	0.000243	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6210	437213.2	3762401	7.13E-05	0.000243	1.11E-05	3.97E-05	5.96E-06	1.84E-05
6211	437221.9	3762398	7.11E-05	0.000242	1.10E-05	3.96E-05	5.95E-06	1.84E-05
6212	437230.6	3762394	7.09E-05	0.000242	1.10E-05	3.95E-05	5.93E-06	1.83E-05
6213	437239.4	3762390	7.06E-05	0.000241	1.10E-05	3.93E-05	5.91E-06	1.82E-05
6214	437248.1	3762387	7.03E-05	0.00024	1.09E-05	3.91E-05	5.88E-06	1.82E-05
6215	437256.8	3762383	6.99E-05	0.000238	1.09E-05	3.89E-05	5.85E-06	1.81E-05
6216	437265.5	3762379	6.94E-05	0.000237	1.08E-05	3.87E-05	5.81E-06	1.79E-05
6217	437274.3	3762376	6.9E-05	0.000235	1.07E-05	3.84E-05	5.77E-06	1.78E-05
6218	437283	3762372	6.84E-05	0.000233	1.06E-05	3.81E-05	5.73E-06	1.77E-05
6219	437291.7	3762368	6.79E-05	0.000231	1.05E-05	3.78E-05	5.68E-06	1.75E-05
6220	437300.4	3762365	6.73E-05	0.000229	1.05E-05	3.75E-05	5.63E-06	1.74E-05
6221	437309.2	3762361	6.67E-05	0.000227	1.04E-05	3.71E-05	5.58E-06	1.72E-05
6222	437317.9	3762357	6.6E-05	0.000225	1.03E-05	3.68E-05	5.53E-06	1.71E-05
6223	437326.6	3762354	6.54E-05	0.000223	1.02E-05	3.64E-05	5.47E-06	1.69E-05
6224	437335.4	3762350	6.48E-05	0.000221	1.01E-05	3.61E-05	5.42E-06	1.67E-05
6225	437344.1	3762346	6.41E-05	0.000219	9.96E-06	3.57E-05	5.37E-06	1.66E-05
6226	437352.8	3762343	6.35E-05	0.000217	9.87E-06	3.54E-05	5.32E-06	1.64E-05
6227	437003.8	3762709	9.85E-05	0.000336	1.53E-05	5.49E-05	8.24E-06	2.55E-05
6228	437003.8	3762718	9.99E-05	0.000341	1.55E-05	5.57E-05	8.37E-06	2.58E-05
6229	437003.8	3762728	0.000101	0.000345	1.57E-05	5.64E-05	8.47E-06	2.62E-05
6230	437003.8	3762738	0.000102	0.000349	1.59E-05	5.70E-05	8.57E-06	2.65E-05
6231	437003.8	3762747	0.000103	0.000352	1.61E-05	5.76E-05	8.65E-06	2.67E-05
6232	437003.8	3762757	0.000104	0.000355	1.62E-05	5.80E-05	8.71E-06	2.69E-05
6233	437003.8	3762767	0.000105	0.000357	1.63E-05	5.83E-05	8.76E-06	2.70E-05
6234	437003.8	3762776	0.000105	0.000358	1.63E-05	5.85E-05	8.79E-06	2.71E-05
6235	437003.8	3762786	0.000105	0.000358	1.63E-05	5.85E-05	8.80E-06	2.72E-05
6236	437003.8	3762796	0.000105	0.000358	1.63E-05	5.85E-05	8.79E-06	2.71E-05

6237	437003.8	3762806	0.000105	0.000357	1.63E-05	5.83E-05	8.77E-06	2.71E-05
6238	437003.8	3762815	0.000104	0.000356	1.62E-05	5.81E-05	8.73E-06	2.69E-05
6239	437003.8	3762825	0.000104	0.000353	1.61E-05	5.77E-05	8.67E-06	2.68E-05
6240	437003.8	3762835	0.000103	0.000351	1.60E-05	5.73E-05	8.60E-06	2.66E-05
6241	437003.8	3762844	0.000102	0.000347	1.58E-05	5.67E-05	8.52E-06	2.63E-05
6242	436984.8	3762672	8.53E-05	0.000291	1.32E-05	4.75E-05	7.14E-06	2.20E-05
6243	436988.4	3762663	8.49E-05	0.00029	1.32E-05	4.73E-05	7.11E-06	2.19E-05
6244	436992.1	3762655	8.45E-05	0.000288	1.31E-05	4.71E-05	7.07E-06	2.18E-05
6245	436995.7	3762646	8.4E-05	0.000286	1.30E-05	4.68E-05	7.03E-06	2.17E-05
6246	436999.4	3762637	8.34E-05	0.000284	1.30E-05	4.64E-05	6.98E-06	2.15E-05
6247	437003.1	3762628	8.27E-05	0.000282	1.28E-05	4.61E-05	6.92E-06	2.14E-05
6248	437006.7	3762619	8.2E-05	0.000279	1.27E-05	4.57E-05	6.86E-06	2.12E-05
6249	437010.4	3762610	8.12E-05	0.000277	1.26E-05	4.52E-05	6.79E-06	2.10E-05
6250	437014	3762601	8.04E-05	0.000274	1.25E-05	4.48E-05	6.73E-06	2.08E-05
6251	437017.7	3762593	7.95E-05	0.000271	1.23E-05	4.43E-05	6.65E-06	2.05E-05
6252	437021.3	3762584	7.85E-05	0.000268	1.22E-05	4.37E-05	6.57E-06	2.03E-05
6253	437025	3762575	7.74E-05	0.000264	1.20E-05	4.31E-05	6.48E-06	2.00E-05
6254	437028.7	3762566	7.63E-05	0.00026	1.19E-05	4.25E-05	6.39E-06	1.97E-05
6255	437032.3	3762557	7.53E-05	0.000257	1.17E-05	4.19E-05	6.30E-06	1.95E-05
6256	437036	3762548	7.43E-05	0.000253	1.15E-05	4.14E-05	6.22E-06	1.92E-05
6257	437039.6	3762539	7.33E-05	0.00025	1.14E-05	4.08E-05	6.13E-06	1.89E-05
6258	437043.3	3762530	7.23E-05	0.000247	1.12E-05	4.03E-05	6.05E-06	1.87E-05
6259	437046.9	3762522	7.13E-05	0.000243	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6260	437050.6	3762513	7.04E-05	0.00024	1.09E-05	3.92E-05	5.89E-06	1.82E-05
6261	437054.3	3762504	6.93E-05	0.000236	1.08E-05	3.86E-05	5.80E-06	1.79E-05
6262	437057.9	3762495	6.83E-05	0.000233	1.06E-05	3.80E-05	5.72E-06	1.76E-05
6263	437076.2	3762451	6.28E-05	0.000214	9.76E-06	3.50E-05	5.26E-06	1.62E-05
6264	437079.9	3762442	6.18E-05	0.000211	9.60E-06	3.44E-05	5.17E-06	1.60E-05
6265	437083.5	3762433	6.07E-05	0.000207	9.43E-06	3.38E-05	5.08E-06	1.57E-05
6266	437096	3762420	6.02E-05	0.000205	9.35E-06	3.35E-05	5.04E-06	1.56E-05
6267	437131.4	3762405	6.2E-05	0.000211	9.63E-06	3.45E-05	5.19E-06	1.60E-05
6268	437140.2	3762402	6.23E-05	0.000212	9.67E-06	3.47E-05	5.21E-06	1.61E-05
6269	437149.1	3762398	6.25E-05	0.000213	9.71E-06	3.48E-05	5.23E-06	1.61E-05
6270	437184.5	3762383	6.29E-05	0.000214	9.77E-06	3.50E-05	5.26E-06	1.62E-05
6271	437193.3	3762379	6.28E-05	0.000214	9.76E-06	3.50E-05	5.26E-06	1.62E-05
6272	437202.1	3762376	6.27E-05	0.000214	9.74E-06	3.49E-05	5.25E-06	1.62E-05
6273	437211	3762372	6.25E-05	0.000213	9.72E-06	3.48E-05	5.23E-06	1.62E-05
6274	437219.8	3762368	6.23E-05	0.000213	9.68E-06	3.47E-05	5.22E-06	1.61E-05
6275	437228.7	3762365	6.21E-05	0.000212	9.64E-06	3.46E-05	5.19E-06	1.60E-05
6276	437237.5	3762361	6.17E-05	0.00021	9.59E-06	3.44E-05	5.16E-06	1.59E-05
6277	437246.4	3762357	6.14E-05	0.000209	9.53E-06	3.42E-05	5.14E-06	1.59E-05
6278	437255.2	3762353	6.1E-05	0.000208	9.47E-06	3.40E-05	5.10E-06	1.58E-05
6279	437264.1	3762350	6.05E-05	0.000206	9.41E-06	3.37E-05	5.07E-06	1.56E-05
6280	437272.9	3762346	6.01E-05	0.000205	9.33E-06	3.35E-05	5.03E-06	1.55E-05
6281	437281.7	3762342	5.96E-05	0.000203	9.26E-06	3.32E-05	4.99E-06	1.54E-05
6282	437290.6	3762339	5.9E-05	0.000201	9.18E-06	3.29E-05	4.94E-06	1.53E-05
6283	437299.4	3762335	5.85E-05	0.0002	9.09E-06	3.26E-05	4.90E-06	1.51E-05
6284	437308.3	3762331	5.8E-05	0.000198	9.01E-06	3.23E-05	4.85E-06	1.50E-05
6285	437317.1	3762327	5.74E-05	0.000196	8.92E-06	3.20E-05	4.81E-06	1.48E-05
6286	437326	3762324	5.69E-05	0.000194	8.83E-06	3.17E-05	4.76E-06	1.47E-05
6287	437334.8	3762320	5.63E-05	0.000192	8.75E-06	3.14E-05	4.71E-06	1.45E-05
6288	437343.7	3762316	5.58E-05	0.00019	8.66E-06	3.11E-05	4.67E-06	1.44E-05

6289	437352.5	3762313	5.52E-05	0.000188	8.58E-06	3.08E-05	4.62E-06	1.43E-05
6290	436973.8	3762709	8.68E-05	0.000296	1.35E-05	4.83E-05	7.26E-06	2.24E-05
6291	436973.8	3762718	8.79E-05	0.0003	1.37E-05	4.90E-05	7.36E-06	2.27E-05
6292	436973.8	3762728	8.89E-05	0.000303	1.38E-05	4.95E-05	7.44E-06	2.30E-05
6293	436973.8	3762738	8.98E-05	0.000306	1.39E-05	5.00E-05	7.51E-06	2.32E-05
6294	436973.8	3762747	9.05E-05	0.000309	1.41E-05	5.04E-05	7.57E-06	2.34E-05
6295	436973.8	3762757	9.1E-05	0.00031	1.41E-05	5.07E-05	7.62E-06	2.35E-05
6296	436973.8	3762767	9.14E-05	0.000312	1.42E-05	5.09E-05	7.65E-06	2.36E-05
6297	436973.8	3762776	9.17E-05	0.000313	1.42E-05	5.11E-05	7.67E-06	2.37E-05
6298	436973.8	3762786	9.18E-05	0.000313	1.43E-05	5.11E-05	7.68E-06	2.37E-05
6299	436973.8	3762796	9.17E-05	0.000313	1.42E-05	5.11E-05	7.67E-06	2.37E-05
6300	436973.8	3762806	9.15E-05	0.000312	1.42E-05	5.09E-05	7.65E-06	2.36E-05
6301	436973.8	3762815	9.11E-05	0.000311	1.42E-05	5.07E-05	7.62E-06	2.35E-05
6302	436973.8	3762825	9.05E-05	0.000309	1.41E-05	5.04E-05	7.58E-06	2.34E-05
6303	436973.8	3762835	8.99E-05	0.000306	1.40E-05	5.01E-05	7.52E-06	2.32E-05
6304	436973.8	3762844	8.91E-05	0.000304	1.38E-05	4.96E-05	7.46E-06	2.30E-05
6305	436954.6	3762673	7.6E-05	0.000259	1.18E-05	4.23E-05	6.36E-06	1.96E-05
6306	436958.2	3762664	7.58E-05	0.000259	1.18E-05	4.22E-05	6.35E-06	1.96E-05
6307	436961.8	3762655	7.55E-05	0.000258	1.17E-05	4.21E-05	6.32E-06	1.95E-05
6308	436965.3	3762647	7.52E-05	0.000256	1.17E-05	4.19E-05	6.29E-06	1.94E-05
6309	436968.9	3762638	7.47E-05	0.000255	1.16E-05	4.16E-05	6.25E-06	1.93E-05
6310	436972.5	3762629	7.42E-05	0.000253	1.15E-05	4.13E-05	6.21E-06	1.92E-05
6311	436976.1	3762621	7.37E-05	0.000251	1.14E-05	4.10E-05	6.16E-06	1.90E-05
6312	436979.7	3762612	7.3E-05	0.000249	1.13E-05	4.07E-05	6.11E-06	1.89E-05
6313	436983.3	3762603	7.24E-05	0.000247	1.12E-05	4.03E-05	6.06E-06	1.87E-05
6314	436986.9	3762594	7.17E-05	0.000244	1.11E-05	3.99E-05	6.00E-06	1.85E-05
6315	436990.5	3762586	7.09E-05	0.000242	1.10E-05	3.95E-05	5.94E-06	1.83E-05
6316	436994.1	3762577	7.02E-05	0.000239	1.09E-05	3.91E-05	5.87E-06	1.81E-05
6317	436997.7	3762568	6.94E-05	0.000236	1.08E-05	3.86E-05	5.80E-06	1.79E-05
6318	437001.3	3762560	6.85E-05	0.000234	1.06E-05	3.82E-05	5.73E-06	1.77E-05
6319	437004.8	3762551	6.76E-05	0.000231	1.05E-05	3.77E-05	5.66E-06	1.75E-05
6320	437008.4	3762542	6.67E-05	0.000228	1.04E-05	3.72E-05	5.58E-06	1.72E-05
6321	437012	3762533	6.59E-05	0.000225	1.02E-05	3.67E-05	5.52E-06	1.70E-05
6322	437015.6	3762525	6.51E-05	0.000222	1.01E-05	3.63E-05	5.45E-06	1.68E-05
6323	437019.2	3762516	6.43E-05	0.000219	9.99E-06	3.58E-05	5.38E-06	1.66E-05
6324	437022.8	3762507	6.34E-05	0.000216	9.86E-06	3.53E-05	5.31E-06	1.64E-05
6325	437030	3762490	6.17E-05	0.000211	9.59E-06	3.44E-05	5.17E-06	1.60E-05
6326	437047.9	3762446	5.73E-05	0.000196	8.91E-06	3.19E-05	4.80E-06	1.48E-05
6327	437051.5	3762438	5.65E-05	0.000193	8.78E-06	3.15E-05	4.73E-06	1.46E-05
6328	437055.1	3762429	5.57E-05	0.00019	8.65E-06	3.10E-05	4.66E-06	1.44E-05
6329	437058.7	3762420	5.48E-05	0.000187	8.52E-06	3.05E-05	4.59E-06	1.42E-05
6330	437074.6	3762399	5.34E-05	0.000182	8.30E-06	2.98E-05	4.47E-06	1.38E-05
6331	437100.6	3762388	5.47E-05	0.000186	8.49E-06	3.04E-05	4.57E-06	1.41E-05
6332	437109.3	3762385	5.5E-05	0.000187	8.54E-06	3.06E-05	4.60E-06	1.42E-05
6333	437118	3762381	5.52E-05	0.000188	8.58E-06	3.08E-05	4.62E-06	1.43E-05
6334	437126.7	3762377	5.55E-05	0.000189	8.62E-06	3.09E-05	4.64E-06	1.43E-05
6335	437135.4	3762374	5.56E-05	0.00019	8.64E-06	3.10E-05	4.66E-06	1.44E-05
6336	437144	3762370	5.57E-05	0.00019	8.66E-06	3.11E-05	4.67E-06	1.44E-05
6337	437178.8	3762355	5.56E-05	0.00019	8.65E-06	3.10E-05	4.66E-06	1.44E-05
6338	437187.5	3762352	5.55E-05	0.000189	8.63E-06	3.09E-05	4.65E-06	1.44E-05
6339	437196.2	3762348	5.54E-05	0.000189	8.61E-06	3.09E-05	4.64E-06	1.43E-05
6340	437204.8	3762345	5.52E-05	0.000188	8.58E-06	3.08E-05	4.62E-06	1.43E-05

6341	437213.5	3762341	5.5E-05	0.000188	8.55E-06	3.06E-05	4.60E-06	1.42E-05
6342	437222.2	3762337	5.47E-05	0.000187	8.51E-06	3.05E-05	4.58E-06	1.41E-05
6343	437230.9	3762334	5.45E-05	0.000186	8.46E-06	3.03E-05	4.56E-06	1.41E-05
6344	437239.6	3762330	5.41E-05	0.000185	8.41E-06	3.02E-05	4.53E-06	1.40E-05
6345	437248.3	3762326	5.38E-05	0.000183	8.36E-06	3.00E-05	4.50E-06	1.39E-05
6346	437256.9	3762323	5.34E-05	0.000182	8.30E-06	2.98E-05	4.47E-06	1.38E-05
6347	437265.6	3762319	5.3E-05	0.000181	8.24E-06	2.95E-05	4.44E-06	1.37E-05
6348	437274.3	3762315	5.26E-05	0.000179	8.17E-06	2.93E-05	4.40E-06	1.36E-05
6349	437283	3762312	5.21E-05	0.000178	8.10E-06	2.90E-05	4.36E-06	1.35E-05
6350	437291.7	3762308	5.17E-05	0.000176	8.03E-06	2.88E-05	4.33E-06	1.34E-05
6351	437300.4	3762304	5.12E-05	0.000175	7.96E-06	2.85E-05	4.29E-06	1.32E-05
6352	437309.1	3762301	5.07E-05	0.000173	7.88E-06	2.83E-05	4.25E-06	1.31E-05
6353	437317.7	3762297	5.03E-05	0.000171	7.81E-06	2.80E-05	4.21E-06	1.30E-05
6354	437326.4	3762294	4.98E-05	0.00017	7.74E-06	2.77E-05	4.17E-06	1.29E-05
6355	437335.1	3762290	4.94E-05	0.000168	7.67E-06	2.75E-05	4.13E-06	1.28E-05
6356	437343.8	3762286	4.89E-05	0.000167	7.60E-06	2.73E-05	4.09E-06	1.26E-05
6357	437352.5	3762283	4.85E-05	0.000165	7.54E-06	2.70E-05	4.06E-06	1.25E-05
6358	436943.8	3762709	7.7E-05	0.000263	1.20E-05	4.29E-05	6.45E-06	1.99E-05
6359	436943.8	3762718	7.79E-05	0.000266	1.21E-05	4.34E-05	6.52E-06	2.01E-05
6360	436943.8	3762728	7.87E-05	0.000268	1.22E-05	4.38E-05	6.59E-06	2.03E-05
6361	436943.8	3762738	7.93E-05	0.000271	1.23E-05	4.42E-05	6.64E-06	2.05E-05
6362	436943.8	3762747	7.99E-05	0.000272	1.24E-05	4.45E-05	6.69E-06	2.06E-05
6363	436943.8	3762757	8.03E-05	0.000274	1.25E-05	4.47E-05	6.72E-06	2.07E-05
6364	436943.8	3762767	8.06E-05	0.000275	1.25E-05	4.49E-05	6.75E-06	2.08E-05
6365	436943.8	3762776	8.08E-05	0.000275	1.26E-05	4.50E-05	6.76E-06	2.09E-05
6366	436943.8	3762786	8.08E-05	0.000276	1.26E-05	4.50E-05	6.77E-06	2.09E-05
6367	436943.8	3762796	8.07E-05	0.000275	1.25E-05	4.50E-05	6.76E-06	2.09E-05
6368	436943.8	3762806	8.05E-05	0.000275	1.25E-05	4.49E-05	6.74E-06	2.08E-05
6369	436943.8	3762815	8.02E-05	0.000274	1.25E-05	4.47E-05	6.72E-06	2.07E-05
6370	436943.8	3762825	7.98E-05	0.000272	1.24E-05	4.45E-05	6.68E-06	2.06E-05
6371	436943.8	3762835	7.93E-05	0.00027	1.23E-05	4.42E-05	6.64E-06	2.05E-05
6372	436943.8	3762844	7.86E-05	0.000268	1.22E-05	4.38E-05	6.58E-06	2.03E-05
6373	436924.7	3762672	6.82E-05	0.000233	1.06E-05	3.80E-05	5.71E-06	1.76E-05
6374	436928.3	3762664	6.8E-05	0.000232	1.06E-05	3.79E-05	5.70E-06	1.76E-05
6375	436932	3762655	6.78E-05	0.000231	1.05E-05	3.78E-05	5.68E-06	1.75E-05
6376	436935.6	3762646	6.76E-05	0.00023	1.05E-05	3.76E-05	5.65E-06	1.75E-05
6377	436939.2	3762637	6.72E-05	0.000229	1.04E-05	3.74E-05	5.63E-06	1.74E-05
6378	436942.9	3762628	6.68E-05	0.000228	1.04E-05	3.72E-05	5.59E-06	1.73E-05
6379	436946.5	3762620	6.64E-05	0.000226	1.03E-05	3.70E-05	5.56E-06	1.72E-05
6380	436950.1	3762611	6.59E-05	0.000225	1.02E-05	3.67E-05	5.52E-06	1.70E-05
6381	436953.8	3762602	6.54E-05	0.000223	1.02E-05	3.64E-05	5.47E-06	1.69E-05
6382	436957.4	3762593	6.48E-05	0.000221	1.01E-05	3.61E-05	5.42E-06	1.67E-05
6383	436964.7	3762576	6.35E-05	0.000217	9.87E-06	3.54E-05	5.32E-06	1.64E-05
6384	436968.3	3762567	6.29E-05	0.000214	9.77E-06	3.50E-05	5.26E-06	1.62E-05
6385	436971.9	3762558	6.22E-05	0.000212	9.66E-06	3.46E-05	5.20E-06	1.61E-05
6386	436975.6	3762549	6.15E-05	0.00021	9.55E-06	3.42E-05	5.15E-06	1.59E-05
6387	436982.8	3762532	6E-05	0.000205	9.33E-06	3.34E-05	5.03E-06	1.55E-05
6388	436986.5	3762523	5.93E-05	0.000202	9.22E-06	3.31E-05	4.97E-06	1.53E-05
6389	436990.1	3762514	5.86E-05	0.0002	9.11E-06	3.27E-05	4.91E-06	1.52E-05
6390	436993.7	3762505	5.79E-05	0.000197	8.99E-06	3.22E-05	4.85E-06	1.50E-05
6391	436997.4	3762496	5.71E-05	0.000195	8.88E-06	3.18E-05	4.78E-06	1.48E-05
6392	437015.5	3762452	5.35E-05	0.000182	8.31E-06	2.98E-05	4.48E-06	1.38E-05

6393	437019.2	3762443	5.28E-05	0.00018	8.20E-06	2.94E-05	4.42E-06	1.36E-05
6394	437022.8	3762435	5.21E-05	0.000178	8.09E-06	2.90E-05	4.36E-06	1.35E-05
6395	437030.1	3762417	5.06E-05	0.000173	7.87E-06	2.82E-05	4.24E-06	1.31E-05
6396	437033.7	3762408	4.99E-05	0.00017	7.75E-06	2.78E-05	4.17E-06	1.29E-05
6397	437037.3	3762399	4.91E-05	0.000167	7.63E-06	2.73E-05	4.11E-06	1.27E-05
6398	437041	3762391	4.83E-05	0.000165	7.51E-06	2.69E-05	4.04E-06	1.25E-05
6399	437053.4	3762378	4.79E-05	0.000163	7.44E-06	2.67E-05	4.01E-06	1.24E-05
6400	437088.5	3762363	4.9E-05	0.000167	7.62E-06	2.73E-05	4.11E-06	1.27E-05
6401	437097.3	3762360	4.93E-05	0.000168	7.65E-06	2.74E-05	4.12E-06	1.27E-05
6402	437106.1	3762356	4.94E-05	0.000169	7.68E-06	2.75E-05	4.14E-06	1.28E-05
6403	437114.9	3762352	4.95E-05	0.000169	7.70E-06	2.76E-05	4.15E-06	1.28E-05
6404	437123.7	3762349	4.96E-05	0.000169	7.70E-06	2.76E-05	4.15E-06	1.28E-05
6405	437132.5	3762345	4.96E-05	0.000169	7.71E-06	2.76E-05	4.15E-06	1.28E-05
6406	437141.3	3762341	4.97E-05	0.000169	7.72E-06	2.77E-05	4.16E-06	1.28E-05
6407	437185.2	3762323	4.94E-05	0.000169	7.68E-06	2.75E-05	4.14E-06	1.28E-05
6408	437194	3762319	4.93E-05	0.000168	7.66E-06	2.75E-05	4.13E-06	1.27E-05
6409	437202.8	3762315	4.91E-05	0.000167	7.63E-06	2.73E-05	4.11E-06	1.27E-05
6410	437211.6	3762312	4.89E-05	0.000167	7.59E-06	2.72E-05	4.09E-06	1.26E-05
6411	437220.4	3762308	4.86E-05	0.000166	7.55E-06	2.71E-05	4.07E-06	1.26E-05
6412	437229.2	3762304	4.83E-05	0.000165	7.50E-06	2.69E-05	4.04E-06	1.25E-05
6413	437237.9	3762301	4.8E-05	0.000164	7.45E-06	2.67E-05	4.01E-06	1.24E-05
6414	437246.7	3762297	4.76E-05	0.000162	7.40E-06	2.65E-05	3.98E-06	1.23E-05
6415	437255.5	3762293	4.72E-05	0.000161	7.34E-06	2.63E-05	3.95E-06	1.22E-05
6416	437264.3	3762290	4.69E-05	0.00016	7.28E-06	2.61E-05	3.92E-06	1.21E-05
6417	437273.1	3762286	4.65E-05	0.000158	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6418	437281.9	3762282	4.61E-05	0.000157	7.16E-06	2.57E-05	3.86E-06	1.19E-05
6419	437290.7	3762278	4.57E-05	0.000156	7.09E-06	2.54E-05	3.82E-06	1.18E-05
6420	437299.5	3762275	4.53E-05	0.000154	7.03E-06	2.52E-05	3.79E-06	1.17E-05
6421	437308.2	3762271	4.49E-05	0.000153	6.97E-06	2.50E-05	3.75E-06	1.16E-05
6422	437317	3762267	4.45E-05	0.000152	6.91E-06	2.48E-05	3.72E-06	1.15E-05
6423	437325.8	3762264	4.41E-05	0.00015	6.85E-06	2.45E-05	3.69E-06	1.14E-05
6424	437334.6	3762260	4.37E-05	0.000149	6.79E-06	2.43E-05	3.66E-06	1.13E-05
6425	437343.4	3762256	4.33E-05	0.000148	6.73E-06	2.41E-05	3.63E-06	1.12E-05
6426	437352.2	3762253	4.3E-05	0.000146	6.67E-06	2.39E-05	3.60E-06	1.11E-05
6427	436913.8	3762709	6.89E-05	0.000235	1.07E-05	3.84E-05	5.77E-06	1.78E-05
6428	436913.8	3762718	6.96E-05	0.000237	1.08E-05	3.87E-05	5.82E-06	1.80E-05
6429	436913.8	3762728	7.01E-05	0.000239	1.09E-05	3.91E-05	5.87E-06	1.81E-05
6430	436913.8	3762738	7.06E-05	0.000241	1.10E-05	3.94E-05	5.91E-06	1.83E-05
6431	436913.8	3762747	7.1E-05	0.000242	1.10E-05	3.96E-05	5.95E-06	1.84E-05
6432	436913.8	3762757	7.13E-05	0.000243	1.11E-05	3.97E-05	5.97E-06	1.84E-05
6433	436913.8	3762767	7.16E-05	0.000244	1.11E-05	3.99E-05	5.99E-06	1.85E-05
6434	436913.8	3762776	7.17E-05	0.000244	1.11E-05	3.99E-05	6.00E-06	1.85E-05
6435	436913.8	3762786	7.17E-05	0.000244	1.11E-05	3.99E-05	6.00E-06	1.85E-05
6436	436913.8	3762796	7.16E-05	0.000244	1.11E-05	3.99E-05	5.99E-06	1.85E-05
6437	436913.8	3762806	7.14E-05	0.000244	1.11E-05	3.98E-05	5.98E-06	1.85E-05
6438	436913.8	3762815	7.12E-05	0.000243	1.11E-05	3.96E-05	5.96E-06	1.84E-05
6439	436913.8	3762825	7.08E-05	0.000242	1.10E-05	3.95E-05	5.93E-06	1.83E-05
6440	436913.8	3762835	7.04E-05	0.00024	1.09E-05	3.92E-05	5.89E-06	1.82E-05
6441	436913.8	3762844	6.99E-05	0.000238	1.09E-05	3.89E-05	5.85E-06	1.81E-05
6442	436894.8	3762672	6.14E-05	0.000209	9.55E-06	3.42E-05	5.14E-06	1.59E-05
6443	436898.5	3762663	6.14E-05	0.000209	9.53E-06	3.42E-05	5.14E-06	1.59E-05
6444	436902.2	3762654	6.12E-05	0.000209	9.51E-06	3.41E-05	5.12E-06	1.58E-05

6445	436905.8	3762645	6.1E-05	0.000208	9.48E-06	3.40E-05	5.11E-06	1.58E-05
6446	436909.5	3762637	6.08E-05	0.000207	9.44E-06	3.38E-05	5.08E-06	1.57E-05
6447	436913.2	3762628	6.04E-05	0.000206	9.39E-06	3.37E-05	5.06E-06	1.56E-05
6448	436916.8	3762619	6.01E-05	0.000205	9.34E-06	3.35E-05	5.03E-06	1.55E-05
6449	436920.5	3762610	5.97E-05	0.000204	9.28E-06	3.33E-05	5.00E-06	1.54E-05
6450	436924.2	3762601	5.93E-05	0.000202	9.21E-06	3.30E-05	4.96E-06	1.53E-05
6451	436927.9	3762592	5.88E-05	0.000201	9.14E-06	3.28E-05	4.92E-06	1.52E-05
6452	436931.5	3762583	5.83E-05	0.000199	9.06E-06	3.25E-05	4.88E-06	1.51E-05
6453	436935.2	3762574	5.78E-05	0.000197	8.98E-06	3.22E-05	4.84E-06	1.49E-05
6454	436938.9	3762565	5.72E-05	0.000195	8.89E-06	3.19E-05	4.79E-06	1.48E-05
6455	436942.6	3762556	5.67E-05	0.000193	8.81E-06	3.16E-05	4.74E-06	1.46E-05
6456	436946.2	3762548	5.61E-05	0.000191	8.71E-06	3.12E-05	4.69E-06	1.45E-05
6457	436953.6	3762530	5.49E-05	0.000187	8.53E-06	3.06E-05	4.59E-06	1.42E-05
6458	436957.2	3762521	5.43E-05	0.000185	8.43E-06	3.02E-05	4.54E-06	1.40E-05
6459	436960.9	3762512	5.37E-05	0.000183	8.34E-06	2.99E-05	4.49E-06	1.39E-05
6460	436964.6	3762503	5.3E-05	0.000181	8.24E-06	2.95E-05	4.44E-06	1.37E-05
6461	436990.3	3762441	4.87E-05	0.000166	7.57E-06	2.71E-05	4.08E-06	1.26E-05
6462	436994	3762432	4.81E-05	0.000164	7.48E-06	2.68E-05	4.03E-06	1.24E-05
6463	436997.6	3762423	4.75E-05	0.000162	7.39E-06	2.65E-05	3.98E-06	1.23E-05
6464	437001.3	3762414	4.69E-05	0.00016	7.29E-06	2.61E-05	3.93E-06	1.21E-05
6465	437008.6	3762396	4.56E-05	0.000156	7.09E-06	2.54E-05	3.82E-06	1.18E-05
6466	437012.3	3762387	4.5E-05	0.000153	6.99E-06	2.51E-05	3.76E-06	1.16E-05
6467	437019.7	3762369	4.36E-05	0.000149	6.77E-06	2.43E-05	3.65E-06	1.13E-05
6468	437032.2	3762357	4.31E-05	0.000147	6.70E-06	2.40E-05	3.61E-06	1.11E-05
6469	437058.8	3762346	4.39E-05	0.00015	6.82E-06	2.45E-05	3.67E-06	1.13E-05
6470	437067.7	3762342	4.41E-05	0.00015	6.85E-06	2.46E-05	3.69E-06	1.14E-05
6471	437076.6	3762338	4.42E-05	0.000151	6.87E-06	2.46E-05	3.70E-06	1.14E-05
6472	437085.5	3762334	4.44E-05	0.000151	6.89E-06	2.47E-05	3.71E-06	1.15E-05
6473	437094.4	3762331	4.44E-05	0.000152	6.91E-06	2.48E-05	3.72E-06	1.15E-05
6474	437103.3	3762327	4.45E-05	0.000152	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6475	437112.1	3762323	4.45E-05	0.000152	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6476	437121	3762320	4.46E-05	0.000152	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6477	437129.9	3762316	4.46E-05	0.000152	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6478	437138.8	3762312	4.46E-05	0.000152	6.93E-06	2.49E-05	3.73E-06	1.15E-05
6479	437147.7	3762308	4.46E-05	0.000152	6.94E-06	2.49E-05	3.74E-06	1.15E-05
6480	437183.2	3762293	4.43E-05	0.000151	6.88E-06	2.47E-05	3.71E-06	1.14E-05
6481	437192.1	3762290	4.41E-05	0.00015	6.85E-06	2.46E-05	3.69E-06	1.14E-05
6482	437200.9	3762286	4.39E-05	0.00015	6.82E-06	2.44E-05	3.67E-06	1.13E-05
6483	437209.8	3762282	4.36E-05	0.000149	6.78E-06	2.43E-05	3.65E-06	1.13E-05
6484	437218.7	3762279	4.33E-05	0.000148	6.73E-06	2.41E-05	3.63E-06	1.12E-05
6485	437227.6	3762275	4.3E-05	0.000147	6.69E-06	2.40E-05	3.60E-06	1.11E-05
6486	437236.5	3762271	4.27E-05	0.000146	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6487	437245.3	3762267	4.24E-05	0.000145	6.59E-06	2.36E-05	3.55E-06	1.10E-05
6488	437254.2	3762264	4.2E-05	0.000143	6.53E-06	2.34E-05	3.52E-06	1.09E-05
6489	437263.1	3762260	4.17E-05	0.000142	6.48E-06	2.32E-05	3.49E-06	1.08E-05
6490	437272	3762256	4.13E-05	0.000141	6.42E-06	2.30E-05	3.46E-06	1.07E-05
6491	437280.9	3762252	4.1E-05	0.00014	6.37E-06	2.28E-05	3.43E-06	1.06E-05
6492	437289.7	3762249	4.06E-05	0.000139	6.32E-06	2.26E-05	3.40E-06	1.05E-05
6493	437298.6	3762245	4.03E-05	0.000137	6.26E-06	2.24E-05	3.37E-06	1.04E-05
6494	437307.5	3762241	3.99E-05	0.000136	6.21E-06	2.23E-05	3.34E-06	1.03E-05
6495	437316.4	3762238	3.96E-05	0.000135	6.16E-06	2.21E-05	3.32E-06	1.02E-05
6496	437325.3	3762234	3.93E-05	0.000134	6.10E-06	2.19E-05	3.29E-06	1.02E-05

6497	437334.1	3762230	3.9E-05	0.000133	6.05E-06	2.17E-05	3.26E-06	1.01E-05
6498	437343	3762226	3.86E-05	0.000132	6.00E-06	2.15E-05	3.23E-06	9.98E-06
6499	437351.9	3762223	3.83E-05	0.000131	5.96E-06	2.14E-05	3.21E-06	9.91E-06
6500	436883.8	3762709	6.19E-05	0.000211	9.62E-06	3.45E-05	5.18E-06	1.60E-05
6501	436883.8	3762718	6.24E-05	0.000213	9.70E-06	3.48E-05	5.23E-06	1.61E-05
6502	436883.8	3762728	6.29E-05	0.000215	9.78E-06	3.50E-05	5.27E-06	1.63E-05
6503	436883.8	3762738	6.33E-05	0.000216	9.84E-06	3.53E-05	5.30E-06	1.64E-05
6504	436883.8	3762747	6.36E-05	0.000217	9.89E-06	3.55E-05	5.33E-06	1.64E-05
6505	436883.8	3762757	6.39E-05	0.000218	9.93E-06	3.56E-05	5.35E-06	1.65E-05
6506	436883.8	3762767	6.41E-05	0.000218	9.95E-06	3.57E-05	5.36E-06	1.66E-05
6507	436883.8	3762776	6.41E-05	0.000219	9.97E-06	3.57E-05	5.37E-06	1.66E-05
6508	436883.8	3762786	6.41E-05	0.000219	9.97E-06	3.57E-05	5.37E-06	1.66E-05
6509	436883.8	3762796	6.41E-05	0.000218	9.95E-06	3.57E-05	5.36E-06	1.66E-05
6510	436883.8	3762806	6.39E-05	0.000218	9.93E-06	3.56E-05	5.35E-06	1.65E-05
6511	436883.8	3762815	6.37E-05	0.000217	9.89E-06	3.55E-05	5.33E-06	1.65E-05
6512	436883.8	3762825	6.34E-05	0.000216	9.85E-06	3.53E-05	5.30E-06	1.64E-05
6513	436883.8	3762835	6.3E-05	0.000215	9.79E-06	3.51E-05	5.27E-06	1.63E-05
6514	436883.8	3762844	6.26E-05	0.000213	9.72E-06	3.49E-05	5.24E-06	1.62E-05
6515	436864.7	3762673	5.56E-05	0.00019	8.65E-06	3.10E-05	4.66E-06	1.44E-05
6516	436868.3	3762664	5.56E-05	0.00019	8.64E-06	3.10E-05	4.65E-06	1.44E-05
6517	436871.9	3762655	5.55E-05	0.000189	8.63E-06	3.09E-05	4.65E-06	1.43E-05
6518	436875.5	3762646	5.54E-05	0.000189	8.60E-06	3.08E-05	4.63E-06	1.43E-05
6519	436879.1	3762638	5.52E-05	0.000188	8.57E-06	3.07E-05	4.62E-06	1.43E-05
6520	436882.7	3762629	5.49E-05	0.000187	8.53E-06	3.06E-05	4.60E-06	1.42E-05
6521	436886.3	3762620	5.46E-05	0.000186	8.49E-06	3.04E-05	4.57E-06	1.41E-05
6522	436890	3762611	5.43E-05	0.000185	8.44E-06	3.03E-05	4.55E-06	1.40E-05
6523	436893.6	3762602	5.4E-05	0.000184	8.39E-06	3.01E-05	4.52E-06	1.40E-05
6524	436897.2	3762594	5.37E-05	0.000183	8.34E-06	2.99E-05	4.49E-06	1.39E-05
6525	436900.8	3762585	5.33E-05	0.000182	8.28E-06	2.97E-05	4.46E-06	1.38E-05
6526	436904.4	3762576	5.29E-05	0.00018	8.22E-06	2.95E-05	4.43E-06	1.37E-05
6527	436911.7	3762559	5.2E-05	0.000177	8.08E-06	2.90E-05	4.35E-06	1.34E-05
6528	436915.3	3762550	5.16E-05	0.000176	8.01E-06	2.87E-05	4.32E-06	1.33E-05
6529	436918.9	3762541	5.11E-05	0.000174	7.94E-06	2.85E-05	4.28E-06	1.32E-05
6530	436922.5	3762532	5.06E-05	0.000173	7.86E-06	2.82E-05	4.23E-06	1.31E-05
6531	436929.7	3762515	4.96E-05	0.000169	7.70E-06	2.76E-05	4.15E-06	1.28E-05
6532	436933.3	3762506	4.9E-05	0.000167	7.62E-06	2.73E-05	4.11E-06	1.27E-05
6533	436937	3762497	4.85E-05	0.000165	7.54E-06	2.70E-05	4.06E-06	1.25E-05
6534	436940.6	3762488	4.8E-05	0.000164	7.45E-06	2.67E-05	4.02E-06	1.24E-05
6535	436955	3762453	4.59E-05	0.000156	7.13E-06	2.56E-05	3.84E-06	1.19E-05
6536	436958.7	3762445	4.54E-05	0.000155	7.06E-06	2.53E-05	3.80E-06	1.17E-05
6537	436965.9	3762427	4.45E-05	0.000152	6.91E-06	2.48E-05	3.72E-06	1.15E-05
6538	436969.5	3762418	4.4E-05	0.00015	6.83E-06	2.45E-05	3.68E-06	1.14E-05
6539	436973.1	3762410	4.34E-05	0.000148	6.75E-06	2.42E-05	3.64E-06	1.12E-05
6540	436976.7	3762401	4.29E-05	0.000146	6.67E-06	2.39E-05	3.59E-06	1.11E-05
6541	436984	3762383	4.18E-05	0.000143	6.50E-06	2.33E-05	3.50E-06	1.08E-05
6542	436987.6	3762374	4.12E-05	0.000141	6.41E-06	2.30E-05	3.45E-06	1.07E-05
6543	436991.2	3762366	4.07E-05	0.000139	6.32E-06	2.27E-05	3.40E-06	1.05E-05
6544	436994.8	3762357	4.01E-05	0.000137	6.23E-06	2.23E-05	3.35E-06	1.04E-05
6545	437010.8	3762336	3.91E-05	0.000133	6.08E-06	2.18E-05	3.27E-06	1.01E-05
6546	437037	3762325	3.97E-05	0.000136	6.17E-06	2.21E-05	3.33E-06	1.03E-05
6547	437045.8	3762321	3.99E-05	0.000136	6.20E-06	2.22E-05	3.34E-06	1.03E-05
6548	437054.5	3762317	4.01E-05	0.000137	6.22E-06	2.23E-05	3.35E-06	1.04E-05

6549	437063.3	3762314	4.02E-05	0.000137	6.24E-06	2.24E-05	3.36E-06	1.04E-05
6550	437072	3762310	4.03E-05	0.000137	6.26E-06	2.24E-05	3.37E-06	1.04E-05
6551	437080.8	3762306	4.04E-05	0.000138	6.27E-06	2.25E-05	3.38E-06	1.04E-05
6552	437089.5	3762303	4.04E-05	0.000138	6.28E-06	2.25E-05	3.38E-06	1.04E-05
6553	437098.2	3762299	4.04E-05	0.000138	6.28E-06	2.25E-05	3.38E-06	1.04E-05
6554	437107	3762295	4.05E-05	0.000138	6.29E-06	2.26E-05	3.39E-06	1.05E-05
6555	437115.7	3762292	4.05E-05	0.000138	6.29E-06	2.26E-05	3.39E-06	1.05E-05
6556	437124.5	3762288	4.05E-05	0.000138	6.29E-06	2.26E-05	3.39E-06	1.05E-05
6557	437133.2	3762284	4.05E-05	0.000138	6.29E-06	2.26E-05	3.39E-06	1.05E-05
6558	437142	3762281	4.04E-05	0.000138	6.28E-06	2.25E-05	3.39E-06	1.04E-05
6559	437176.9	3762266	4E-05	0.000136	6.21E-06	2.23E-05	3.34E-06	1.03E-05
6560	437185.7	3762262	3.98E-05	0.000136	6.18E-06	2.22E-05	3.33E-06	1.03E-05
6561	437194.4	3762259	3.95E-05	0.000135	6.14E-06	2.20E-05	3.31E-06	1.02E-05
6562	437203.2	3762255	3.93E-05	0.000134	6.11E-06	2.19E-05	3.29E-06	1.02E-05
6563	437211.9	3762251	3.9E-05	0.000133	6.07E-06	2.17E-05	3.27E-06	1.01E-05
6564	437220.7	3762248	3.88E-05	0.000132	6.02E-06	2.16E-05	3.24E-06	1.00E-05
6565	437229.4	3762244	3.85E-05	0.000131	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6566	437238.2	3762240	3.82E-05	0.00013	5.93E-06	2.13E-05	3.19E-06	9.86E-06
6567	437246.9	3762237	3.79E-05	0.000129	5.88E-06	2.11E-05	3.17E-06	9.78E-06
6568	437255.7	3762233	3.76E-05	0.000128	5.84E-06	2.09E-05	3.14E-06	9.71E-06
6569	437264.4	3762229	3.73E-05	0.000127	5.79E-06	2.08E-05	3.12E-06	9.63E-06
6570	437273.1	3762226	3.7E-05	0.000126	5.75E-06	2.06E-05	3.10E-06	9.56E-06
6571	437281.9	3762222	3.67E-05	0.000125	5.70E-06	2.04E-05	3.07E-06	9.48E-06
6572	437290.6	3762218	3.64E-05	0.000124	5.65E-06	2.03E-05	3.05E-06	9.40E-06
6573	437299.4	3762215	3.61E-05	0.000123	5.61E-06	2.01E-05	3.02E-06	9.33E-06
6574	437308.1	3762211	3.58E-05	0.000122	5.57E-06	2.00E-05	3.00E-06	9.25E-06
6575	437316.9	3762207	3.55E-05	0.000121	5.52E-06	1.98E-05	2.97E-06	9.18E-06
6576	437325.6	3762204	3.52E-05	0.00012	5.48E-06	1.96E-05	2.95E-06	9.11E-06
6577	437334.4	3762200	3.5E-05	0.000119	5.43E-06	1.95E-05	2.93E-06	9.04E-06
6578	437343.1	3762196	3.47E-05	0.000118	5.39E-06	1.93E-05	2.91E-06	8.97E-06
6579	437351.8	3762193	3.45E-05	0.000118	5.36E-06	1.92E-05	2.88E-06	8.91E-06
6580	436853.8	3762709	5.59E-05	0.000191	8.69E-06	3.11E-05	4.68E-06	1.44E-05
6581	436853.8	3762718	5.63E-05	0.000192	8.75E-06	3.14E-05	4.72E-06	1.46E-05
6582	436853.8	3762728	5.67E-05	0.000193	8.82E-06	3.16E-05	4.75E-06	1.47E-05
6583	436853.8	3762738	5.71E-05	0.000195	8.87E-06	3.18E-05	4.78E-06	1.47E-05
6584	436853.8	3762747	5.73E-05	0.000196	8.91E-06	3.19E-05	4.80E-06	1.48E-05
6585	436853.8	3762757	5.75E-05	0.000196	8.94E-06	3.21E-05	4.82E-06	1.49E-05
6586	436853.8	3762767	5.77E-05	0.000197	8.96E-06	3.21E-05	4.83E-06	1.49E-05
6587	436853.8	3762776	5.77E-05	0.000197	8.97E-06	3.22E-05	4.83E-06	1.49E-05
6588	436853.8	3762786	5.77E-05	0.000197	8.97E-06	3.22E-05	4.83E-06	1.49E-05
6589	436853.8	3762796	5.76E-05	0.000197	8.96E-06	3.21E-05	4.82E-06	1.49E-05
6590	436853.8	3762806	5.75E-05	0.000196	8.93E-06	3.20E-05	4.81E-06	1.49E-05
6591	436853.8	3762815	5.73E-05	0.000195	8.90E-06	3.19E-05	4.80E-06	1.48E-05
6592	436853.8	3762825	5.7E-05	0.000194	8.86E-06	3.18E-05	4.77E-06	1.47E-05
6593	436853.8	3762835	5.67E-05	0.000193	8.81E-06	3.16E-05	4.75E-06	1.47E-05
6594	436853.8	3762844	5.64E-05	0.000192	8.76E-06	3.14E-05	4.72E-06	1.46E-05
6595	436834.8	3762672	5.07E-05	0.000173	7.88E-06	2.83E-05	4.25E-06	1.31E-05
6596	436838.4	3762664	5.07E-05	0.000173	7.88E-06	2.83E-05	4.25E-06	1.31E-05
6597	436842.1	3762655	5.07E-05	0.000173	7.87E-06	2.82E-05	4.24E-06	1.31E-05
6598	436845.7	3762646	5.05E-05	0.000172	7.85E-06	2.82E-05	4.23E-06	1.31E-05
6599	436849.4	3762637	5.04E-05	0.000172	7.83E-06	2.81E-05	4.22E-06	1.30E-05
6600	436856.7	3762619	4.99E-05	0.00017	7.75E-06	2.78E-05	4.18E-06	1.29E-05

6601	436860.3	3762610	4.96E-05	0.000169	7.71E-06	2.76E-05	4.15E-06	1.28E-05
6602	436864	3762602	4.93E-05	0.000168	7.66E-06	2.75E-05	4.13E-06	1.27E-05
6603	436867.6	3762593	4.9E-05	0.000167	7.62E-06	2.73E-05	4.10E-06	1.27E-05
6604	436874.9	3762575	4.84E-05	0.000165	7.53E-06	2.70E-05	4.05E-06	1.25E-05
6605	436878.6	3762566	4.81E-05	0.000164	7.47E-06	2.68E-05	4.03E-06	1.24E-05
6606	436882.2	3762557	4.77E-05	0.000163	7.41E-06	2.66E-05	3.99E-06	1.23E-05
6607	436885.9	3762548	4.73E-05	0.000161	7.35E-06	2.64E-05	3.96E-06	1.22E-05
6608	436893.2	3762531	4.65E-05	0.000159	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6609	436896.8	3762522	4.61E-05	0.000157	7.16E-06	2.57E-05	3.86E-06	1.19E-05
6610	436900.5	3762513	4.56E-05	0.000156	7.09E-06	2.54E-05	3.82E-06	1.18E-05
6611	436904.1	3762504	4.52E-05	0.000154	7.02E-06	2.52E-05	3.78E-06	1.17E-05
6612	436911.4	3762486	4.43E-05	0.000151	6.88E-06	2.47E-05	3.71E-06	1.14E-05
6613	436929.7	3762442	4.2E-05	0.000143	6.53E-06	2.34E-05	3.52E-06	1.09E-05
6614	436933.3	3762433	4.16E-05	0.000142	6.47E-06	2.32E-05	3.48E-06	1.08E-05
6615	436937	3762425	4.12E-05	0.000141	6.40E-06	2.30E-05	3.45E-06	1.07E-05
6616	436940.6	3762416	4.08E-05	0.000139	6.34E-06	2.27E-05	3.41E-06	1.05E-05
6617	436947.9	3762398	3.99E-05	0.000136	6.20E-06	2.22E-05	3.34E-06	1.03E-05
6618	436951.6	3762389	3.94E-05	0.000134	6.13E-06	2.20E-05	3.30E-06	1.02E-05
6619	436955.2	3762380	3.9E-05	0.000133	6.05E-06	2.17E-05	3.26E-06	1.01E-05
6620	436958.9	3762371	3.85E-05	0.000131	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6621	436966.2	3762354	3.75E-05	0.000128	5.83E-06	2.09E-05	3.14E-06	9.69E-06
6622	436969.8	3762345	3.7E-05	0.000126	5.75E-06	2.06E-05	3.10E-06	9.56E-06
6623	436977.1	3762327	3.6E-05	0.000123	5.59E-06	2.00E-05	3.01E-06	9.29E-06
6624	436989.6	3762315	3.57E-05	0.000122	5.54E-06	1.99E-05	2.98E-06	9.21E-06
6625	437024.9	3762300	3.64E-05	0.000124	5.65E-06	2.03E-05	3.05E-06	9.40E-06
6626	437033.7	3762296	3.65E-05	0.000125	5.68E-06	2.04E-05	3.06E-06	9.44E-06
6627	437042.6	3762292	3.67E-05	0.000125	5.70E-06	2.04E-05	3.07E-06	9.47E-06
6628	437051.4	3762289	3.68E-05	0.000125	5.72E-06	2.05E-05	3.08E-06	9.51E-06
6629	437060.2	3762285	3.69E-05	0.000126	5.73E-06	2.05E-05	3.09E-06	9.53E-06
6630	437069.1	3762281	3.7E-05	0.000126	5.74E-06	2.06E-05	3.09E-06	9.55E-06
6631	437077.9	3762278	3.7E-05	0.000126	5.75E-06	2.06E-05	3.10E-06	9.57E-06
6632	437086.7	3762274	3.71E-05	0.000126	5.76E-06	2.06E-05	3.10E-06	9.58E-06
6633	437095.5	3762270	3.71E-05	0.000126	5.76E-06	2.07E-05	3.10E-06	9.58E-06
6634	437104.4	3762266	3.71E-05	0.000126	5.76E-06	2.06E-05	3.10E-06	9.58E-06
6635	437113.2	3762263	3.7E-05	0.000126	5.75E-06	2.06E-05	3.10E-06	9.57E-06
6636	437122	3762259	3.7E-05	0.000126	5.74E-06	2.06E-05	3.09E-06	9.55E-06
6637	437130.9	3762255	3.69E-05	0.000126	5.73E-06	2.05E-05	3.09E-06	9.53E-06
6638	437139.7	3762252	3.68E-05	0.000125	5.72E-06	2.05E-05	3.08E-06	9.51E-06
6639	437148.5	3762248	3.67E-05	0.000125	5.70E-06	2.04E-05	3.07E-06	9.47E-06
6640	437157.3	3762244	3.65E-05	0.000125	5.68E-06	2.04E-05	3.06E-06	9.44E-06
6641	437166.2	3762240	3.64E-05	0.000124	5.65E-06	2.03E-05	3.04E-06	9.40E-06
6642	437175	3762237	3.62E-05	0.000123	5.62E-06	2.01E-05	3.03E-06	9.35E-06
6643	437183.8	3762233	3.6E-05	0.000123	5.59E-06	2.00E-05	3.01E-06	9.29E-06
6644	437192.7	3762229	3.57E-05	0.000122	5.55E-06	1.99E-05	2.99E-06	9.23E-06
6645	437201.5	3762226	3.55E-05	0.000121	5.51E-06	1.98E-05	2.97E-06	9.17E-06
6646	437210.3	3762222	3.52E-05	0.00012	5.48E-06	1.96E-05	2.95E-06	9.11E-06
6647	437219.1	3762218	3.5E-05	0.000119	5.44E-06	1.95E-05	2.93E-06	9.04E-06
6648	437228	3762215	3.47E-05	0.000118	5.39E-06	1.93E-05	2.91E-06	8.97E-06
6649	437236.8	3762211	3.45E-05	0.000118	5.35E-06	1.92E-05	2.88E-06	8.90E-06
6650	437245.6	3762207	3.42E-05	0.000117	5.31E-06	1.90E-05	2.86E-06	8.83E-06
6651	437254.5	3762203	3.39E-05	0.000116	5.27E-06	1.89E-05	2.84E-06	8.76E-06
6652	437263.3	3762200	3.37E-05	0.000115	5.23E-06	1.87E-05	2.82E-06	8.70E-06

6653	437272.1	3762196	3.34E-05	0.000114	5.19E-06	1.86E-05	2.79E-06	8.63E-06
6654	437280.9	3762192	3.31E-05	0.000113	5.15E-06	1.85E-05	2.77E-06	8.56E-06
6655	437289.8	3762189	3.29E-05	0.000112	5.11E-06	1.83E-05	2.75E-06	8.49E-06
6656	437298.6	3762185	3.26E-05	0.000111	5.07E-06	1.82E-05	2.73E-06	8.42E-06
6657	437307.4	3762181	3.23E-05	0.00011	5.03E-06	1.80E-05	2.71E-06	8.36E-06
6658	437316.3	3762177	3.21E-05	0.000109	4.99E-06	1.79E-05	2.69E-06	8.29E-06
6659	437325.1	3762174	3.19E-05	0.000109	4.95E-06	1.77E-05	2.67E-06	8.23E-06
6660	437333.9	3762170	3.16E-05	0.000108	4.91E-06	1.76E-05	2.65E-06	8.17E-06
6661	437342.7	3762166	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.11E-06
6662	437351.6	3762163	3.12E-05	0.000106	4.85E-06	1.74E-05	2.61E-06	8.06E-06
6663	436823.8	3762709	5.09E-05	0.000173	7.90E-06	2.83E-05	4.26E-06	1.31E-05
6664	436823.8	3762718	5.12E-05	0.000175	7.96E-06	2.85E-05	4.29E-06	1.32E-05
6665	436823.8	3762728	5.15E-05	0.000176	8.01E-06	2.87E-05	4.31E-06	1.33E-05
6666	436823.8	3762738	5.18E-05	0.000177	8.05E-06	2.89E-05	4.34E-06	1.34E-05
6667	436823.8	3762747	5.2E-05	0.000177	8.08E-06	2.90E-05	4.35E-06	1.34E-05
6668	436823.8	3762757	5.22E-05	0.000178	8.10E-06	2.91E-05	4.37E-06	1.35E-05
6669	436823.8	3762767	5.22E-05	0.000178	8.12E-06	2.91E-05	4.37E-06	1.35E-05
6670	436823.8	3762776	5.23E-05	0.000178	8.12E-06	2.91E-05	4.38E-06	1.35E-05
6671	436823.8	3762786	5.22E-05	0.000178	8.12E-06	2.91E-05	4.37E-06	1.35E-05
6672	436823.8	3762796	5.22E-05	0.000178	8.10E-06	2.91E-05	4.37E-06	1.35E-05
6673	436823.8	3762806	5.2E-05	0.000177	8.08E-06	2.90E-05	4.35E-06	1.34E-05
6674	436823.8	3762815	5.18E-05	0.000177	8.06E-06	2.89E-05	4.34E-06	1.34E-05
6675	436823.8	3762825	5.16E-05	0.000176	8.02E-06	2.88E-05	4.32E-06	1.33E-05
6676	436823.8	3762835	5.14E-05	0.000175	7.98E-06	2.86E-05	4.30E-06	1.33E-05
6677	436823.8	3762844	5.11E-05	0.000174	7.93E-06	2.84E-05	4.27E-06	1.32E-05
6678	436804.9	3762672	4.65E-05	0.000158	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6679	436808.5	3762663	4.65E-05	0.000159	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6680	436812.2	3762654	4.65E-05	0.000158	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6681	436815.9	3762645	4.64E-05	0.000158	7.21E-06	2.58E-05	3.88E-06	1.20E-05
6682	436819.6	3762636	4.63E-05	0.000158	7.19E-06	2.58E-05	3.87E-06	1.20E-05
6683	436826.9	3762619	4.59E-05	0.000157	7.13E-06	2.56E-05	3.84E-06	1.19E-05
6684	436830.6	3762610	4.57E-05	0.000156	7.09E-06	2.54E-05	3.82E-06	1.18E-05
6685	436834.3	3762601	4.54E-05	0.000155	7.05E-06	2.53E-05	3.80E-06	1.17E-05
6686	436838	3762592	4.51E-05	0.000154	7.01E-06	2.51E-05	3.77E-06	1.17E-05
6687	436845.4	3762574	4.45E-05	0.000152	6.92E-06	2.48E-05	3.73E-06	1.15E-05
6688	436849	3762565	4.42E-05	0.000151	6.87E-06	2.46E-05	3.70E-06	1.14E-05
6689	436852.7	3762556	4.39E-05	0.00015	6.82E-06	2.45E-05	3.67E-06	1.13E-05
6690	436856.4	3762547	4.36E-05	0.000149	6.77E-06	2.43E-05	3.65E-06	1.13E-05
6691	436860.1	3762538	4.32E-05	0.000147	6.72E-06	2.41E-05	3.62E-06	1.12E-05
6692	436863.8	3762529	4.29E-05	0.000146	6.66E-06	2.39E-05	3.59E-06	1.11E-05
6693	436867.4	3762520	4.25E-05	0.000145	6.61E-06	2.37E-05	3.56E-06	1.10E-05
6694	436874.8	3762502	4.18E-05	0.000142	6.49E-06	2.33E-05	3.50E-06	1.08E-05
6695	436878.5	3762494	4.14E-05	0.000141	6.43E-06	2.31E-05	3.46E-06	1.07E-05
6696	436882.2	3762485	4.1E-05	0.00014	6.37E-06	2.28E-05	3.43E-06	1.06E-05
6697	436900.6	3762440	3.9E-05	0.000133	6.06E-06	2.17E-05	3.27E-06	1.01E-05
6698	436904.3	3762431	3.86E-05	0.000132	6.00E-06	2.15E-05	3.23E-06	9.98E-06
6699	436911.6	3762413	3.79E-05	0.000129	5.89E-06	2.11E-05	3.17E-06	9.79E-06
6700	436915.3	3762404	3.75E-05	0.000128	5.83E-06	2.09E-05	3.14E-06	9.69E-06
6701	436919	3762395	3.71E-05	0.000127	5.77E-06	2.07E-05	3.11E-06	9.59E-06
6702	436922.7	3762386	3.67E-05	0.000125	5.71E-06	2.05E-05	3.08E-06	9.49E-06
6703	436930	3762369	3.59E-05	0.000123	5.58E-06	2.00E-05	3.01E-06	9.29E-06
6704	436933.7	3762360	3.55E-05	0.000121	5.52E-06	1.98E-05	2.97E-06	9.17E-06

6705	436941.1	3762342	3.47E-05	0.000118	5.39E-06	1.93E-05	2.90E-06	8.96E-06
6706	436944.8	3762333	3.42E-05	0.000117	5.32E-06	1.91E-05	2.86E-06	8.84E-06
6707	436948.4	3762324	3.38E-05	0.000115	5.25E-06	1.88E-05	2.83E-06	8.73E-06
6708	436952.1	3762315	3.33E-05	0.000114	5.18E-06	1.86E-05	2.79E-06	8.61E-06
6709	436968.4	3762293	3.26E-05	0.000111	5.07E-06	1.82E-05	2.73E-06	8.43E-06
6710	436995.1	3762282	3.32E-05	0.000113	5.16E-06	1.85E-05	2.78E-06	8.58E-06
6711	437004	3762278	3.34E-05	0.000114	5.19E-06	1.86E-05	2.79E-06	8.62E-06
6712	437012.9	3762275	3.35E-05	0.000114	5.21E-06	1.87E-05	2.81E-06	8.66E-06
6713	437021.8	3762271	3.36E-05	0.000115	5.23E-06	1.87E-05	2.82E-06	8.69E-06
6714	437030.7	3762267	3.37E-05	0.000115	5.24E-06	1.88E-05	2.82E-06	8.72E-06
6715	437039.6	3762263	3.38E-05	0.000115	5.26E-06	1.88E-05	2.83E-06	8.74E-06
6716	437048.5	3762260	3.39E-05	0.000116	5.27E-06	1.89E-05	2.84E-06	8.76E-06
6717	437057.4	3762256	3.39E-05	0.000116	5.27E-06	1.89E-05	2.84E-06	8.77E-06
6718	437066.3	3762252	3.4E-05	0.000116	5.28E-06	1.89E-05	2.84E-06	8.78E-06
6719	437075.3	3762249	3.4E-05	0.000116	5.28E-06	1.89E-05	2.85E-06	8.78E-06
6720	437084.2	3762245	3.4E-05	0.000116	5.28E-06	1.89E-05	2.84E-06	8.78E-06
6721	437093.1	3762241	3.4E-05	0.000116	5.28E-06	1.89E-05	2.84E-06	8.78E-06
6722	437102	3762237	3.39E-05	0.000116	5.27E-06	1.89E-05	2.84E-06	8.76E-06
6723	437110.9	3762234	3.38E-05	0.000115	5.26E-06	1.89E-05	2.83E-06	8.75E-06
6724	437119.8	3762230	3.38E-05	0.000115	5.25E-06	1.88E-05	2.83E-06	8.72E-06
6725	437128.7	3762226	3.37E-05	0.000115	5.23E-06	1.87E-05	2.82E-06	8.70E-06
6726	437137.6	3762222	3.35E-05	0.000114	5.21E-06	1.87E-05	2.81E-06	8.66E-06
6727	437146.5	3762219	3.34E-05	0.000114	5.19E-06	1.86E-05	2.80E-06	8.63E-06
6728	437155.4	3762215	3.32E-05	0.000113	5.16E-06	1.85E-05	2.78E-06	8.59E-06
6729	437164.3	3762211	3.31E-05	0.000113	5.14E-06	1.84E-05	2.77E-06	8.54E-06
6730	437173.2	3762207	3.29E-05	0.000112	5.11E-06	1.83E-05	2.75E-06	8.49E-06
6731	437182.1	3762204	3.27E-05	0.000111	5.07E-06	1.82E-05	2.73E-06	8.44E-06
6732	437191	3762200	3.24E-05	0.000111	5.04E-06	1.81E-05	2.72E-06	8.38E-06
6733	437199.9	3762196	3.22E-05	0.00011	5.01E-06	1.79E-05	2.70E-06	8.32E-06
6734	437208.8	3762192	3.2E-05	0.000109	4.97E-06	1.78E-05	2.68E-06	8.27E-06
6735	437217.7	3762189	3.18E-05	0.000108	4.93E-06	1.77E-05	2.66E-06	8.20E-06
6736	437226.6	3762185	3.15E-05	0.000107	4.90E-06	1.76E-05	2.64E-06	8.14E-06
6737	437235.5	3762181	3.13E-05	0.000107	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6738	437244.5	3762178	3.1E-05	0.000106	4.82E-06	1.73E-05	2.60E-06	8.01E-06
6739	437253.4	3762174	3.08E-05	0.000105	4.78E-06	1.71E-05	2.58E-06	7.95E-06
6740	437262.3	3762170	3.05E-05	0.000104	4.75E-06	1.70E-05	2.56E-06	7.89E-06
6741	437271.2	3762166	3.03E-05	0.000103	4.71E-06	1.69E-05	2.54E-06	7.83E-06
6742	437280.1	3762163	3.01E-05	0.000103	4.67E-06	1.67E-05	2.52E-06	7.77E-06
6743	437289	3762159	2.98E-05	0.000102	4.64E-06	1.66E-05	2.50E-06	7.71E-06
6744	437297.9	3762155	2.96E-05	0.000101	4.60E-06	1.65E-05	2.48E-06	7.65E-06
6745	437306.8	3762151	2.94E-05	0.0001	4.57E-06	1.64E-05	2.46E-06	7.59E-06
6746	437315.7	3762148	2.92E-05	9.95E-05	4.53E-06	1.62E-05	2.44E-06	7.54E-06
6747	437324.6	3762144	2.9E-05	9.88E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
6748	437333.5	3762140	2.88E-05	9.81E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
6749	437342.4	3762136	2.86E-05	9.74E-05	4.44E-06	1.59E-05	2.39E-06	7.38E-06
6750	437351.3	3762133	2.84E-05	9.68E-05	4.41E-06	1.58E-05	2.38E-06	7.34E-06
6751	436793.8	3762709	4.65E-05	0.000159	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6752	436793.8	3762718	4.68E-05	0.00016	7.27E-06	2.61E-05	3.92E-06	1.21E-05
6753	436793.8	3762728	4.7E-05	0.00016	7.31E-06	2.62E-05	3.94E-06	1.22E-05
6754	436793.8	3762738	4.72E-05	0.000161	7.34E-06	2.63E-05	3.95E-06	1.22E-05
6755	436793.8	3762747	4.74E-05	0.000162	7.37E-06	2.64E-05	3.97E-06	1.23E-05
6756	436793.8	3762757	4.75E-05	0.000162	7.38E-06	2.65E-05	3.98E-06	1.23E-05

6757	436793.8	3762767	4.76E-05	0.000162	7.39E-06	2.65E-05	3.98E-06	1.23E-05
6758	436793.8	3762776	4.76E-05	0.000162	7.39E-06	2.65E-05	3.98E-06	1.23E-05
6759	436793.8	3762786	4.75E-05	0.000162	7.39E-06	2.65E-05	3.98E-06	1.23E-05
6760	436793.8	3762796	4.75E-05	0.000162	7.37E-06	2.64E-05	3.97E-06	1.23E-05
6761	436793.8	3762806	4.73E-05	0.000161	7.35E-06	2.64E-05	3.96E-06	1.22E-05
6762	436793.8	3762815	4.72E-05	0.000161	7.33E-06	2.63E-05	3.95E-06	1.22E-05
6763	436793.8	3762825	4.7E-05	0.00016	7.30E-06	2.62E-05	3.93E-06	1.21E-05
6764	436793.8	3762835	4.67E-05	0.000159	7.26E-06	2.60E-05	3.91E-06	1.21E-05
6765	436793.8	3762844	4.65E-05	0.000159	7.22E-06	2.59E-05	3.89E-06	1.20E-05
6766	436793.8	3762854	4.62E-05	0.000158	7.18E-06	2.57E-05	3.87E-06	1.19E-05
6767	436767.4	3762690	4.25E-05	0.000145	6.61E-06	2.37E-05	3.56E-06	1.10E-05
6768	436771.1	3762681	4.27E-05	0.000145	6.63E-06	2.38E-05	3.57E-06	1.10E-05
6769	436774.7	3762672	4.27E-05	0.000146	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6770	436778.3	3762664	4.28E-05	0.000146	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6771	436782	3762655	4.28E-05	0.000146	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6772	436785.6	3762646	4.27E-05	0.000146	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6773	436789.2	3762637	4.26E-05	0.000145	6.63E-06	2.38E-05	3.57E-06	1.10E-05
6774	436792.9	3762628	4.25E-05	0.000145	6.61E-06	2.37E-05	3.56E-06	1.10E-05
6775	436796.5	3762620	4.24E-05	0.000145	6.59E-06	2.36E-05	3.55E-06	1.10E-05
6776	436800.1	3762611	4.22E-05	0.000144	6.56E-06	2.35E-05	3.54E-06	1.09E-05
6777	436803.8	3762602	4.2E-05	0.000143	6.53E-06	2.34E-05	3.52E-06	1.09E-05
6778	436807.4	3762593	4.18E-05	0.000143	6.49E-06	2.33E-05	3.50E-06	1.08E-05
6779	436811	3762584	4.15E-05	0.000142	6.45E-06	2.31E-05	3.48E-06	1.07E-05
6780	436814.7	3762576	4.12E-05	0.000141	6.41E-06	2.30E-05	3.45E-06	1.07E-05
6781	436818.3	3762567	4.1E-05	0.00014	6.36E-06	2.28E-05	3.43E-06	1.06E-05
6782	436821.9	3762558	4.07E-05	0.000139	6.32E-06	2.27E-05	3.40E-06	1.05E-05
6783	436825.6	3762549	4.04E-05	0.000138	6.27E-06	2.25E-05	3.38E-06	1.04E-05
6784	436829.2	3762540	4.01E-05	0.000137	6.23E-06	2.23E-05	3.35E-06	1.04E-05
6785	436832.8	3762532	3.98E-05	0.000136	6.18E-06	2.22E-05	3.33E-06	1.03E-05
6786	436836.5	3762523	3.95E-05	0.000135	6.14E-06	2.20E-05	3.31E-06	1.02E-05
6787	436840.1	3762514	3.92E-05	0.000134	6.09E-06	2.18E-05	3.28E-06	1.01E-05
6788	436843.7	3762505	3.89E-05	0.000133	6.04E-06	2.16E-05	3.25E-06	1.00E-05
6789	436847.4	3762496	3.85E-05	0.000131	5.99E-06	2.15E-05	3.23E-06	9.96E-06
6790	436851	3762487	3.82E-05	0.00013	5.94E-06	2.13E-05	3.20E-06	9.87E-06
6791	436854.6	3762479	3.79E-05	0.000129	5.88E-06	2.11E-05	3.17E-06	9.79E-06
6792	436858.3	3762470	3.75E-05	0.000128	5.83E-06	2.09E-05	3.14E-06	9.70E-06
6793	436872.8	3762435	3.62E-05	0.000123	5.62E-06	2.01E-05	3.03E-06	9.35E-06
6794	436876.4	3762426	3.58E-05	0.000122	5.57E-06	2.00E-05	3.00E-06	9.26E-06
6795	436880.1	3762417	3.55E-05	0.000121	5.51E-06	1.98E-05	2.97E-06	9.17E-06
6796	436883.7	3762408	3.51E-05	0.00012	5.46E-06	1.96E-05	2.94E-06	9.08E-06
6797	436887.3	3762399	3.48E-05	0.000119	5.41E-06	1.94E-05	2.91E-06	8.99E-06
6798	436891	3762391	3.44E-05	0.000117	5.35E-06	1.92E-05	2.88E-06	8.90E-06
6799	436894.6	3762382	3.41E-05	0.000116	5.30E-06	1.90E-05	2.86E-06	8.82E-06
6800	436898.2	3762373	3.38E-05	0.000115	5.25E-06	1.88E-05	2.83E-06	8.74E-06
6801	436901.9	3762364	3.34E-05	0.000114	5.19E-06	1.86E-05	2.79E-06	8.62E-06
6802	436905.5	3762355	3.3E-05	0.000113	5.13E-06	1.84E-05	2.77E-06	8.54E-06
6803	436909.1	3762346	3.27E-05	0.000112	5.08E-06	1.82E-05	2.74E-06	8.45E-06
6804	436912.8	3762338	3.24E-05	0.00011	5.03E-06	1.80E-05	2.71E-06	8.36E-06
6805	436916.4	3762329	3.2E-05	0.000109	4.98E-06	1.78E-05	2.68E-06	8.27E-06
6806	436920	3762320	3.17E-05	0.000108	4.92E-06	1.76E-05	2.65E-06	8.18E-06
6807	436923.7	3762311	3.13E-05	0.000107	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6808	436927.3	3762302	3.09E-05	0.000105	4.80E-06	1.72E-05	2.59E-06	7.98E-06

6809	436930.9	3762294	3.05E-05	0.000104	4.74E-06	1.70E-05	2.55E-06	7.88E-06
6810	436934.6	3762285	3.01E-05	0.000103	4.68E-06	1.68E-05	2.52E-06	7.79E-06
6811	436947	3762272	3E-05	0.000102	4.66E-06	1.67E-05	2.51E-06	7.75E-06
6812	436982.1	3762258	3.07E-05	0.000105	4.76E-06	1.71E-05	2.57E-06	7.92E-06
6813	436990.9	3762254	3.08E-05	0.000105	4.79E-06	1.72E-05	2.58E-06	7.96E-06
6814	436999.7	3762250	3.09E-05	0.000105	4.81E-06	1.72E-05	2.59E-06	7.99E-06
6815	437008.5	3762246	3.1E-05	0.000106	4.82E-06	1.73E-05	2.60E-06	8.02E-06
6816	437017.3	3762243	3.11E-05	0.000106	4.83E-06	1.73E-05	2.60E-06	8.04E-06
6817	437026.1	3762239	3.12E-05	0.000106	4.85E-06	1.74E-05	2.61E-06	8.06E-06
6818	437034.9	3762235	3.12E-05	0.000107	4.85E-06	1.74E-05	2.61E-06	8.07E-06
6819	437043.7	3762232	3.13E-05	0.000107	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6820	437052.5	3762228	3.13E-05	0.000107	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6821	437061.2	3762224	3.13E-05	0.000107	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6822	437070	3762221	3.13E-05	0.000107	4.86E-06	1.74E-05	2.62E-06	8.08E-06
6823	437078.8	3762217	3.12E-05	0.000107	4.85E-06	1.74E-05	2.61E-06	8.07E-06
6824	437087.6	3762213	3.12E-05	0.000106	4.85E-06	1.74E-05	2.61E-06	8.06E-06
6825	437096.4	3762210	3.11E-05	0.000106	4.84E-06	1.73E-05	2.61E-06	8.04E-06
6826	437105.2	3762206	3.1E-05	0.000106	4.82E-06	1.73E-05	2.60E-06	8.02E-06
6827	437114	3762202	3.09E-05	0.000106	4.81E-06	1.72E-05	2.59E-06	8.00E-06
6828	437122.8	3762199	3.08E-05	0.000105	4.79E-06	1.72E-05	2.58E-06	7.97E-06
6829	437131.5	3762195	3.07E-05	0.000105	4.77E-06	1.71E-05	2.57E-06	7.94E-06
6830	437140.3	3762191	3.06E-05	0.000104	4.75E-06	1.70E-05	2.56E-06	7.90E-06
6831	437149.1	3762187	3.04E-05	0.000104	4.73E-06	1.69E-05	2.55E-06	7.86E-06
6832	437157.9	3762184	3.02E-05	0.000103	4.70E-06	1.69E-05	2.53E-06	7.82E-06
6833	437166.7	3762180	3.01E-05	0.000103	4.67E-06	1.68E-05	2.52E-06	7.77E-06
6834	437175.5	3762176	2.99E-05	0.000102	4.64E-06	1.67E-05	2.50E-06	7.72E-06
6835	437184.3	3762173	2.97E-05	0.000101	4.61E-06	1.65E-05	2.49E-06	7.67E-06
6836	437193.1	3762169	2.95E-05	0.000101	4.58E-06	1.64E-05	2.47E-06	7.62E-06
6837	437201.8	3762165	2.93E-05	9.99E-05	4.55E-06	1.63E-05	2.45E-06	7.57E-06
6838	437210.6	3762162	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
6839	437219.4	3762158	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
6840	437228.2	3762154	2.87E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.41E-06
6841	437237	3762151	2.84E-05	9.7E-05	4.42E-06	1.58E-05	2.38E-06	7.35E-06
6842	437245.8	3762147	2.82E-05	9.62E-05	4.39E-06	1.57E-05	2.36E-06	7.29E-06
6843	437254.6	3762143	2.8E-05	9.55E-05	4.35E-06	1.56E-05	2.34E-06	7.24E-06
6844	437263.4	3762140	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.18E-06
6845	437272.1	3762136	2.76E-05	9.41E-05	4.29E-06	1.54E-05	2.31E-06	7.13E-06
6846	437280.9	3762132	2.74E-05	9.34E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
6847	437289.7	3762128	2.72E-05	9.27E-05	4.23E-06	1.51E-05	2.28E-06	7.03E-06
6848	437298.5	3762125	2.7E-05	9.21E-05	4.20E-06	1.50E-05	2.26E-06	6.98E-06
6849	437307.3	3762121	2.68E-05	9.14E-05	4.17E-06	1.49E-05	2.24E-06	6.93E-06
6850	437316.1	3762117	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
6851	437324.9	3762114	2.65E-05	9.02E-05	4.11E-06	1.47E-05	2.22E-06	6.84E-06
6852	437333.7	3762110	2.63E-05	8.97E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06
6853	437342.5	3762106	2.61E-05	8.91E-05	4.06E-06	1.46E-05	2.19E-06	6.75E-06
6854	437351.2	3762103	2.6E-05	8.86E-05	4.04E-06	1.45E-05	2.18E-06	6.71E-06
6855	436763.8	3762699	4.24E-05	0.000145	6.59E-06	2.36E-05	3.55E-06	1.10E-05
6856	436763.8	3762709	4.27E-05	0.000146	6.63E-06	2.38E-05	3.57E-06	1.10E-05
6857	436763.8	3762718	4.29E-05	0.000146	6.67E-06	2.39E-05	3.59E-06	1.11E-05
6858	436763.8	3762728	4.31E-05	0.000147	6.70E-06	2.40E-05	3.61E-06	1.11E-05
6859	436763.8	3762738	4.33E-05	0.000148	6.72E-06	2.41E-05	3.62E-06	1.12E-05
6860	436763.8	3762747	4.34E-05	0.000148	6.74E-06	2.42E-05	3.63E-06	1.12E-05

6861	436763.8	3762757	4.35E-05	0.000148	6.75E-06	2.42E-05	3.64E-06	1.12E-05
6862	436763.8	3762767	4.35E-05	0.000148	6.76E-06	2.42E-05	3.64E-06	1.12E-05
6863	436763.8	3762776	4.35E-05	0.000148	6.76E-06	2.42E-05	3.64E-06	1.12E-05
6864	436763.8	3762786	4.35E-05	0.000148	6.75E-06	2.42E-05	3.64E-06	1.12E-05
6865	436763.8	3762796	4.34E-05	0.000148	6.74E-06	2.42E-05	3.63E-06	1.12E-05
6866	436763.8	3762806	4.33E-05	0.000148	6.72E-06	2.41E-05	3.62E-06	1.12E-05
6867	436763.8	3762815	4.31E-05	0.000147	6.70E-06	2.40E-05	3.61E-06	1.11E-05
6868	436763.8	3762825	4.3E-05	0.000146	6.68E-06	2.39E-05	3.60E-06	1.11E-05
6869	436763.8	3762835	4.28E-05	0.000146	6.64E-06	2.38E-05	3.58E-06	1.10E-05
6870	436763.8	3762844	4.25E-05	0.000145	6.61E-06	2.37E-05	3.56E-06	1.10E-05
6871	436763.8	3762854	4.23E-05	0.000144	6.57E-06	2.36E-05	3.54E-06	1.09E-05
6872	436727.5	3762690	3.83E-05	0.00013	5.94E-06	2.13E-05	3.20E-06	9.88E-06
6873	436731.1	3762681	3.84E-05	0.000131	5.96E-06	2.14E-05	3.21E-06	9.91E-06
6874	436734.7	3762672	3.84E-05	0.000131	5.97E-06	2.14E-05	3.22E-06	9.93E-06
6875	436738.4	3762664	3.85E-05	0.000131	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6876	436742	3762655	3.85E-05	0.000131	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6877	436745.7	3762646	3.85E-05	0.000131	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6878	436749.3	3762637	3.84E-05	0.000131	5.97E-06	2.14E-05	3.22E-06	9.93E-06
6879	436753	3762628	3.83E-05	0.000131	5.96E-06	2.14E-05	3.21E-06	9.91E-06
6880	436756.6	3762619	3.82E-05	0.00013	5.94E-06	2.13E-05	3.20E-06	9.88E-06
6881	436760.3	3762610	3.81E-05	0.00013	5.92E-06	2.12E-05	3.19E-06	9.85E-06
6882	436763.9	3762602	3.8E-05	0.000129	5.90E-06	2.11E-05	3.18E-06	9.81E-06
6883	436767.6	3762593	3.78E-05	0.000129	5.87E-06	2.11E-05	3.16E-06	9.77E-06
6884	436771.2	3762584	3.76E-05	0.000128	5.84E-06	2.09E-05	3.15E-06	9.72E-06
6885	436774.9	3762575	3.74E-05	0.000127	5.81E-06	2.08E-05	3.13E-06	9.66E-06
6886	436778.5	3762566	3.72E-05	0.000127	5.77E-06	2.07E-05	3.11E-06	9.60E-06
6887	436782.2	3762557	3.69E-05	0.000126	5.73E-06	2.06E-05	3.09E-06	9.54E-06
6888	436785.8	3762549	3.67E-05	0.000125	5.70E-06	2.04E-05	3.07E-06	9.47E-06
6889	436789.5	3762540	3.64E-05	0.000124	5.65E-06	2.03E-05	3.05E-06	9.40E-06
6890	436793.1	3762531	3.61E-05	0.000123	5.61E-06	2.01E-05	3.02E-06	9.33E-06
6891	436796.8	3762522	3.59E-05	0.000122	5.57E-06	2.00E-05	3.00E-06	9.27E-06
6892	436800.4	3762513	3.56E-05	0.000121	5.53E-06	1.98E-05	2.98E-06	9.20E-06
6893	436804.1	3762504	3.53E-05	0.00012	5.49E-06	1.97E-05	2.96E-06	9.12E-06
6894	436807.7	3762495	3.5E-05	0.000119	5.44E-06	1.95E-05	2.93E-06	9.05E-06
6895	436811.3	3762487	3.47E-05	0.000118	5.40E-06	1.93E-05	2.91E-06	8.97E-06
6896	436815	3762478	3.44E-05	0.000117	5.35E-06	1.92E-05	2.88E-06	8.90E-06
6897	436818.6	3762469	3.42E-05	0.000117	5.31E-06	1.90E-05	2.86E-06	8.83E-06
6898	436822.3	3762460	3.39E-05	0.000116	5.27E-06	1.89E-05	2.84E-06	8.76E-06
6899	436840.5	3762416	3.24E-05	0.000111	5.04E-06	1.81E-05	2.72E-06	8.38E-06
6900	436844.2	3762407	3.21E-05	0.00011	4.99E-06	1.79E-05	2.69E-06	8.31E-06
6901	436847.8	3762398	3.18E-05	0.000109	4.95E-06	1.77E-05	2.66E-06	8.22E-06
6902	436851.5	3762389	3.15E-05	0.000107	4.90E-06	1.76E-05	2.64E-06	8.15E-06
6903	436855.1	3762380	3.12E-05	0.000107	4.85E-06	1.74E-05	2.61E-06	8.07E-06
6904	436858.8	3762372	3.1E-05	0.000106	4.81E-06	1.72E-05	2.59E-06	8.00E-06
6905	436862.4	3762363	3.05E-05	0.000104	4.74E-06	1.70E-05	2.55E-06	7.89E-06
6906	436866.1	3762354	3.03E-05	0.000103	4.70E-06	1.69E-05	2.53E-06	7.82E-06
6907	436869.7	3762345	3E-05	0.000102	4.66E-06	1.67E-05	2.51E-06	7.75E-06
6908	436873.4	3762336	2.97E-05	0.000101	4.61E-06	1.65E-05	2.49E-06	7.67E-06
6909	436877	3762327	2.94E-05	0.0001	4.57E-06	1.64E-05	2.46E-06	7.60E-06
6910	436880.7	3762319	2.91E-05	9.94E-05	4.53E-06	1.62E-05	2.44E-06	7.53E-06
6911	436884.3	3762310	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.42E-06	7.46E-06
6912	436887.9	3762301	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06

6913	436891.6	3762292	2.83E-05	9.65E-05	4.40E-06	1.58E-05	2.37E-06	7.31E-06
6914	436895.2	3762283	2.8E-05	9.55E-05	4.35E-06	1.56E-05	2.34E-06	7.24E-06
6915	436898.9	3762274	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
6916	436902.5	3762265	2.74E-05	9.35E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
6917	436906.2	3762257	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
6918	436918.7	3762244	2.7E-05	9.2E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
6919	436953.9	3762229	2.75E-05	9.39E-05	4.28E-06	1.53E-05	2.31E-06	7.12E-06
6920	436962.8	3762226	2.77E-05	9.43E-05	4.30E-06	1.54E-05	2.31E-06	7.15E-06
6921	436971.6	3762222	2.78E-05	9.47E-05	4.31E-06	1.55E-05	2.32E-06	7.17E-06
6922	436980.4	3762218	2.78E-05	9.5E-05	4.33E-06	1.55E-05	2.33E-06	7.20E-06
6923	436989.2	3762214	2.79E-05	9.53E-05	4.34E-06	1.56E-05	2.34E-06	7.22E-06
6924	436998.1	3762211	2.8E-05	9.55E-05	4.35E-06	1.56E-05	2.34E-06	7.24E-06
6925	437006.9	3762207	2.81E-05	9.57E-05	4.36E-06	1.56E-05	2.35E-06	7.25E-06
6926	437015.7	3762203	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.26E-06
6927	437024.5	3762200	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
6928	437033.3	3762196	2.81E-05	9.6E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
6929	437042.2	3762192	2.81E-05	9.6E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
6930	437051	3762189	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.27E-06
6931	437059.8	3762185	2.81E-05	9.58E-05	4.36E-06	1.56E-05	2.35E-06	7.26E-06
6932	437068.6	3762181	2.8E-05	9.56E-05	4.36E-06	1.56E-05	2.35E-06	7.24E-06
6933	437077.5	3762177	2.8E-05	9.54E-05	4.35E-06	1.56E-05	2.34E-06	7.23E-06
6934	437086.3	3762174	2.79E-05	9.51E-05	4.34E-06	1.55E-05	2.34E-06	7.21E-06
6935	437095.1	3762170	2.78E-05	9.49E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
6936	437103.9	3762166	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
6937	437112.7	3762163	2.76E-05	9.42E-05	4.29E-06	1.54E-05	2.31E-06	7.14E-06
6938	437121.6	3762159	2.75E-05	9.38E-05	4.27E-06	1.53E-05	2.30E-06	7.10E-06
6939	437130.4	3762155	2.74E-05	9.33E-05	4.25E-06	1.52E-05	2.29E-06	7.07E-06
6940	437139.2	3762152	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
6941	437148	3762148	2.71E-05	9.23E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
6942	437156.9	3762144	2.69E-05	9.18E-05	4.18E-06	1.50E-05	2.25E-06	6.95E-06
6943	437165.7	3762140	2.68E-05	9.12E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
6944	437174.5	3762137	2.66E-05	9.07E-05	4.13E-06	1.48E-05	2.23E-06	6.87E-06
6945	437183.3	3762133	2.64E-05	9.01E-05	4.11E-06	1.47E-05	2.21E-06	6.83E-06
6946	437192.2	3762129	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
6947	437201	3762126	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.73E-06
6948	437209.8	3762122	2.59E-05	8.82E-05	4.02E-06	1.44E-05	2.17E-06	6.68E-06
6949	437218.6	3762118	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
6950	437227.4	3762114	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.59E-06
6951	437236.3	3762111	2.53E-05	8.63E-05	3.93E-06	1.41E-05	2.12E-06	6.54E-06
6952	437245.1	3762107	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
6953	437253.9	3762103	2.49E-05	8.5E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
6954	437262.7	3762100	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
6955	437271.6	3762096	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
6956	437280.4	3762092	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
6957	437289.2	3762089	2.43E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
6958	436723.8	3762699	3.81E-05	0.00013	5.92E-06	2.12E-05	3.19E-06	9.85E-06
6959	436723.8	3762709	3.83E-05	0.000131	5.95E-06	2.13E-05	3.21E-06	9.90E-06
6960	436723.8	3762718	3.85E-05	0.000131	5.98E-06	2.14E-05	3.22E-06	9.94E-06
6961	436723.8	3762728	3.86E-05	0.000132	6.00E-06	2.15E-05	3.23E-06	9.98E-06
6962	436723.8	3762738	3.87E-05	0.000132	6.02E-06	2.16E-05	3.24E-06	1.00E-05
6963	436723.8	3762747	3.88E-05	0.000132	6.03E-06	2.16E-05	3.25E-06	1.00E-05
6964	436723.8	3762757	3.89E-05	0.000133	6.04E-06	2.16E-05	3.25E-06	1.00E-05

6965	436723.8	3762767	3.89E-05	0.000133	6.04E-06	2.17E-05	3.25E-06	1.00E-05
6966	436723.8	3762776	3.89E-05	0.000133	6.04E-06	2.17E-05	3.25E-06	1.00E-05
6967	436723.8	3762786	3.88E-05	0.000132	6.03E-06	2.16E-05	3.25E-06	1.00E-05
6968	436723.8	3762796	3.88E-05	0.000132	6.02E-06	2.16E-05	3.24E-06	1.00E-05
6969	436723.8	3762806	3.87E-05	0.000132	6.01E-06	2.15E-05	3.24E-06	9.99E-06
6970	436723.8	3762815	3.85E-05	0.000131	5.99E-06	2.15E-05	3.23E-06	9.96E-06
6971	436723.8	3762825	3.84E-05	0.000131	5.96E-06	2.14E-05	3.21E-06	9.92E-06
6972	436723.8	3762835	3.82E-05	0.00013	5.94E-06	2.13E-05	3.20E-06	9.87E-06
6973	436723.8	3762844	3.8E-05	0.00013	5.91E-06	2.12E-05	3.18E-06	9.83E-06
6974	436723.8	3762854	3.78E-05	0.000129	5.88E-06	2.11E-05	3.17E-06	9.77E-06
6975	436687.5	3762690	3.46E-05	0.000118	5.37E-06	1.93E-05	2.89E-06	8.94E-06
6976	436691.1	3762681	3.47E-05	0.000118	5.39E-06	1.93E-05	2.90E-06	8.96E-06
6977	436694.8	3762672	3.48E-05	0.000119	5.40E-06	1.94E-05	2.91E-06	8.99E-06
6978	436698.4	3762663	3.48E-05	0.000119	5.41E-06	1.94E-05	2.92E-06	9.00E-06
6979	436702.1	3762655	3.49E-05	0.000119	5.42E-06	1.94E-05	2.92E-06	9.01E-06
6980	436705.8	3762646	3.49E-05	0.000119	5.42E-06	1.94E-05	2.92E-06	9.01E-06
6981	436709.4	3762637	3.49E-05	0.000119	5.42E-06	1.94E-05	2.92E-06	9.01E-06
6982	436713.1	3762628	3.48E-05	0.000119	5.41E-06	1.94E-05	2.91E-06	8.99E-06
6983	436716.7	3762619	3.47E-05	0.000118	5.40E-06	1.93E-05	2.91E-06	8.97E-06
6984	436720.4	3762610	3.46E-05	0.000118	5.38E-06	1.93E-05	2.90E-06	8.95E-06
6985	436724.1	3762601	3.45E-05	0.000118	5.36E-06	1.92E-05	2.89E-06	8.92E-06
6986	436727.7	3762592	3.44E-05	0.000117	5.34E-06	1.91E-05	2.88E-06	8.88E-06
6987	436731.4	3762584	3.42E-05	0.000117	5.31E-06	1.90E-05	2.86E-06	8.84E-06
6988	436735	3762575	3.4E-05	0.000116	5.29E-06	1.90E-05	2.85E-06	8.79E-06
6989	436738.7	3762566	3.38E-05	0.000115	5.26E-06	1.88E-05	2.83E-06	8.74E-06
6990	436742.4	3762557	3.36E-05	0.000115	5.23E-06	1.87E-05	2.82E-06	8.69E-06
6991	436746	3762548	3.34E-05	0.000114	5.19E-06	1.86E-05	2.80E-06	8.64E-06
6992	436749.7	3762539	3.32E-05	0.000113	5.16E-06	1.85E-05	2.78E-06	8.58E-06
6993	436753.4	3762530	3.3E-05	0.000112	5.12E-06	1.84E-05	2.76E-06	8.52E-06
6994	436757	3762521	3.27E-05	0.000112	5.09E-06	1.82E-05	2.74E-06	8.46E-06
6995	436760.7	3762513	3.25E-05	0.000111	5.05E-06	1.81E-05	2.72E-06	8.40E-06
6996	436764.3	3762504	3.23E-05	0.00011	5.01E-06	1.80E-05	2.70E-06	8.33E-06
6997	436768	3762495	3.2E-05	0.000109	4.97E-06	1.78E-05	2.68E-06	8.27E-06
6998	436771.7	3762486	3.18E-05	0.000108	4.93E-06	1.77E-05	2.66E-06	8.20E-06
6999	436775.3	3762477	3.15E-05	0.000107	4.90E-06	1.76E-05	2.64E-06	8.14E-06
7000	436779	3762468	3.13E-05	0.000107	4.86E-06	1.74E-05	2.62E-06	8.08E-06
7001	436782.6	3762459	3.1E-05	0.000106	4.82E-06	1.73E-05	2.60E-06	8.02E-06
7002	436786.3	3762450	3.08E-05	0.000105	4.78E-06	1.71E-05	2.58E-06	7.95E-06
7003	436790	3762442	3.05E-05	0.000104	4.75E-06	1.70E-05	2.56E-06	7.89E-06
7004	436793.6	3762433	3.03E-05	0.000103	4.71E-06	1.69E-05	2.54E-06	7.83E-06
7005	436811.9	3762388	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
7006	436815.6	3762379	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
7007	436819.2	3762370	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.39E-06	7.39E-06
7008	436822.9	3762362	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
7009	436826.6	3762353	2.81E-05	9.58E-05	4.36E-06	1.56E-05	2.35E-06	7.26E-06
7010	436830.2	3762344	2.78E-05	9.49E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
7011	436833.9	3762335	2.76E-05	9.4E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
7012	436837.5	3762326	2.73E-05	9.31E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
7013	436841.2	3762317	2.71E-05	9.23E-05	4.21E-06	1.51E-05	2.27E-06	6.99E-06
7014	436844.9	3762308	2.68E-05	9.15E-05	4.17E-06	1.49E-05	2.25E-06	6.93E-06
7015	436848.5	3762299	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.87E-06
7016	436852.2	3762291	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.81E-06

7017	436855.8	3762282	2.61E-05	8.9E-05	4.06E-06	1.45E-05	2.18E-06	6.74E-06
7018	436859.5	3762273	2.59E-05	8.82E-05	4.02E-06	1.44E-05	2.16E-06	6.68E-06
7019	436863.2	3762264	2.56E-05	8.73E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
7020	436866.8	3762255	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
7021	436870.5	3762246	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
7022	436874.1	3762237	2.48E-05	8.47E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
7023	436877.8	3762228	2.45E-05	8.37E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
7024	436890.3	3762216	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
7025	436925.7	3762201	2.49E-05	8.48E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
7026	436934.6	3762197	2.5E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
7027	436943.4	3762194	2.5E-05	8.54E-05	3.89E-06	1.40E-05	2.10E-06	6.47E-06
7028	436952.3	3762190	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
7029	436961.1	3762186	2.52E-05	8.59E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
7030	436970	3762182	2.53E-05	8.61E-05	3.93E-06	1.41E-05	2.11E-06	6.53E-06
7031	436978.8	3762179	2.53E-05	8.63E-05	3.93E-06	1.41E-05	2.12E-06	6.54E-06
7032	436987.7	3762175	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
7033	436996.6	3762171	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.56E-06
7034	437005.4	3762168	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
7035	437014.3	3762164	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
7036	437023.1	3762160	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
7037	437032	3762156	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.56E-06
7038	437120.5	3762119	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.07E-06	6.38E-06
7039	437129.3	3762116	2.46E-05	8.37E-05	3.82E-06	1.37E-05	2.06E-06	6.34E-06
7040	437138.2	3762112	2.44E-05	8.33E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
7041	437147.1	3762108	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
7042	437155.9	3762104	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.24E-06
7043	437164.8	3762101	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
7044	437173.6	3762097	2.38E-05	8.13E-05	3.70E-06	1.33E-05	2.00E-06	6.16E-06
7045	437182.5	3762093	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.12E-06
7046	437191.3	3762090	2.35E-05	8.02E-05	3.65E-06	1.31E-05	1.97E-06	6.08E-06
7047	437200.2	3762086	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
7048	436683.8	3762699	3.44E-05	0.000117	5.35E-06	1.92E-05	2.88E-06	8.90E-06
7049	436683.8	3762709	3.46E-05	0.000118	5.38E-06	1.93E-05	2.90E-06	8.94E-06
7050	436683.8	3762718	3.47E-05	0.000118	5.40E-06	1.94E-05	2.91E-06	8.98E-06
7051	436683.8	3762728	3.48E-05	0.000119	5.41E-06	1.94E-05	2.92E-06	9.00E-06
7052	436683.8	3762738	3.49E-05	0.000119	5.43E-06	1.95E-05	2.92E-06	9.02E-06
7053	436683.8	3762747	3.5E-05	0.000119	5.43E-06	1.95E-05	2.93E-06	9.04E-06
7054	436683.8	3762757	3.5E-05	0.000119	5.44E-06	1.95E-05	2.93E-06	9.04E-06
7055	436683.8	3762767	0.000035	0.000119	5.44E-06	1.95E-05	2.93E-06	9.04E-06
7056	436683.8	3762776	3.5E-05	0.000119	5.43E-06	1.95E-05	2.93E-06	9.04E-06
7057	436683.8	3762786	3.49E-05	0.000119	5.43E-06	1.95E-05	2.92E-06	9.02E-06
7058	436683.8	3762796	3.49E-05	0.000119	5.42E-06	1.94E-05	2.92E-06	9.01E-06
7059	436683.8	3762806	3.48E-05	0.000119	5.40E-06	1.94E-05	2.91E-06	8.99E-06
7060	436683.8	3762815	3.47E-05	0.000118	5.39E-06	1.93E-05	2.90E-06	8.96E-06
7061	436683.8	3762825	3.46E-05	0.000118	5.37E-06	1.92E-05	2.89E-06	8.93E-06
7062	436683.8	3762835	3.44E-05	0.000117	5.35E-06	1.92E-05	2.88E-06	8.89E-06
7063	436683.8	3762844	3.42E-05	0.000117	5.32E-06	1.91E-05	2.87E-06	8.85E-06
7064	436683.8	3762854	3.41E-05	0.000116	5.29E-06	1.90E-05	2.85E-06	8.80E-06
7065	436647.5	3762690	3.15E-05	0.000107	4.89E-06	1.75E-05	2.63E-06	8.13E-06
7066	436651.1	3762681	3.16E-05	0.000108	4.91E-06	1.76E-05	2.64E-06	8.16E-06
7067	436654.8	3762672	3.17E-05	0.000108	4.92E-06	1.76E-05	2.65E-06	8.18E-06
7068	436658.5	3762663	3.17E-05	0.000108	4.93E-06	1.77E-05	2.66E-06	8.20E-06

7069	436662.2	3762654	3.18E-05	0.000108	4.94E-06	1.77E-05	2.66E-06	8.21E-06
7070	436665.8	3762645	3.18E-05	0.000108	4.94E-06	1.77E-05	2.66E-06	8.21E-06
7071	436669.5	3762637	3.18E-05	0.000108	4.94E-06	1.77E-05	2.66E-06	8.21E-06
7072	436673.2	3762628	3.17E-05	0.000108	4.93E-06	1.77E-05	2.66E-06	8.20E-06
7073	436676.8	3762619	3.17E-05	0.000108	4.93E-06	1.77E-05	2.65E-06	8.19E-06
7074	436680.5	3762610	3.16E-05	0.000108	4.91E-06	1.76E-05	2.65E-06	8.17E-06
7075	436684.2	3762601	3.15E-05	0.000108	4.90E-06	1.76E-05	2.64E-06	8.15E-06
7076	436687.9	3762592	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.12E-06
7077	436691.5	3762583	3.13E-05	0.000107	4.86E-06	1.74E-05	2.62E-06	8.08E-06
7078	436695.2	3762574	3.11E-05	0.000106	4.84E-06	1.73E-05	2.61E-06	8.05E-06
7079	436698.9	3762565	3.1E-05	0.000106	4.81E-06	1.73E-05	2.59E-06	8.01E-06
7080	436702.6	3762556	3.08E-05	0.000105	4.79E-06	1.72E-05	2.58E-06	7.96E-06
7081	436706.2	3762548	3.06E-05	0.000104	4.76E-06	1.71E-05	2.56E-06	7.92E-06
7082	436709.9	3762539	3.05E-05	0.000104	4.73E-06	1.70E-05	2.55E-06	7.87E-06
7083	436713.6	3762530	3.03E-05	0.000103	4.70E-06	1.69E-05	2.53E-06	7.82E-06
7084	436717.2	3762521	3.01E-05	0.000102	4.67E-06	1.67E-05	2.52E-06	7.77E-06
7085	436720.9	3762512	2.98E-05	0.000102	4.64E-06	1.66E-05	2.50E-06	7.71E-06
7086	436724.6	3762503	2.96E-05	0.000101	4.61E-06	1.65E-05	2.48E-06	7.66E-06
7087	436728.3	3762494	2.94E-05	0.0001	4.57E-06	1.64E-05	2.46E-06	7.60E-06
7088	436746.6	3762450	2.83E-05	9.66E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
7089	436750.3	3762441	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.27E-06
7090	436754	3762432	2.79E-05	9.52E-05	4.34E-06	1.56E-05	2.34E-06	7.21E-06
7091	436757.6	3762423	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
7092	436761.3	3762414	2.75E-05	9.38E-05	4.27E-06	1.53E-05	2.30E-06	7.11E-06
7093	436765	3762405	2.73E-05	9.31E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
7094	436790.7	3762343	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.69E-06
7095	436794.3	3762334	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
7096	436798	3762325	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
7097	436801.7	3762316	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
7098	436805.4	3762307	2.51E-05	8.55E-05	3.89E-06	1.40E-05	2.10E-06	6.48E-06
7099	436809	3762298	2.48E-05	8.47E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
7100	436812.7	3762289	2.46E-05	8.4E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
7101	436816.4	3762280	2.44E-05	8.33E-05	3.80E-06	1.36E-05	2.04E-06	6.31E-06
7102	436820	3762272	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
7103	436823.7	3762263	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
7104	436827.4	3762254	2.38E-05	8.11E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
7105	436831.1	3762245	2.35E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.08E-06
7106	436834.7	3762236	2.33E-05	7.95E-05	3.62E-06	1.30E-05	1.95E-06	6.02E-06
7107	436838.4	3762227	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.96E-06
7108	436842.1	3762218	2.28E-05	7.78E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
7109	436845.7	3762209	2.26E-05	7.7E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
7110	436849.4	3762200	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
7111	436862	3762188	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
7112	436897.5	3762173	2.26E-05	7.7E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
7113	436906.4	3762169	2.27E-05	7.74E-05	3.52E-06	1.26E-05	1.90E-06	5.86E-06
7114	436915.3	3762165	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
7115	436924.1	3762162	2.29E-05	7.8E-05	3.56E-06	1.27E-05	1.92E-06	5.91E-06
7116	436933	3762158	2.3E-05	7.83E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
7117	436941.9	3762154	2.3E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
7118	436950.8	3762150	2.31E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.96E-06
7119	436959.7	3762147	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7120	436968.5	3762143	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06

7121	436977.4	3762139	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7122	436986.3	3762135	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7123	436995.2	3762132	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7124	437004.1	3762128	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7125	437012.9	3762124	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
7126	437021.8	3762121	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.96E-06
7127	436643.8	3762699	3.13E-05	0.000107	4.87E-06	1.74E-05	2.62E-06	8.09E-06
7128	436643.8	3762709	3.15E-05	0.000107	4.89E-06	1.75E-05	2.63E-06	8.13E-06
7129	436643.8	3762718	3.15E-05	0.000108	4.90E-06	1.76E-05	2.64E-06	8.15E-06
7130	436643.8	3762728	3.16E-05	0.000108	4.91E-06	1.76E-05	2.65E-06	8.17E-06
7131	436643.8	3762738	3.17E-05	0.000108	4.92E-06	1.76E-05	2.65E-06	8.18E-06
7132	436643.8	3762747	3.17E-05	0.000108	4.93E-06	1.77E-05	2.65E-06	8.19E-06
7133	436643.8	3762757	3.17E-05	0.000108	4.93E-06	1.77E-05	2.65E-06	8.19E-06
7134	436643.8	3762767	3.17E-05	0.000108	4.93E-06	1.77E-05	2.65E-06	8.19E-06
7135	436643.8	3762776	3.17E-05	0.000108	4.92E-06	1.76E-05	2.65E-06	8.18E-06
7136	436643.8	3762786	3.16E-05	0.000108	4.91E-06	1.76E-05	2.65E-06	8.17E-06
7137	436643.8	3762796	3.16E-05	0.000108	4.90E-06	1.76E-05	2.64E-06	8.16E-06
7138	436643.8	3762806	3.15E-05	0.000107	4.89E-06	1.75E-05	2.64E-06	8.14E-06
7139	436643.8	3762815	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.11E-06
7140	436643.8	3762825	3.13E-05	0.000107	4.86E-06	1.74E-05	2.62E-06	8.08E-06
7141	436643.8	3762835	3.12E-05	0.000106	4.84E-06	1.74E-05	2.61E-06	8.05E-06
7142	436643.8	3762844	3.1E-05	0.000106	4.82E-06	1.73E-05	2.60E-06	8.02E-06
7143	436643.8	3762854	3.09E-05	0.000105	4.80E-06	1.72E-05	2.58E-06	7.98E-06
7144	436607.5	3762690	2.87E-05	9.8E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
7145	436611.2	3762681	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
7146	436614.9	3762672	2.89E-05	9.87E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
7147	436618.5	3762663	2.9E-05	9.89E-05	4.51E-06	1.62E-05	2.43E-06	7.50E-06
7148	436622.2	3762654	2.91E-05	9.91E-05	4.52E-06	1.62E-05	2.43E-06	7.51E-06
7149	436625.9	3762645	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
7150	436629.6	3762636	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.44E-06	7.52E-06
7151	436633.3	3762627	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.43E-06	7.52E-06
7152	436636.9	3762619	2.91E-05	9.91E-05	4.51E-06	1.62E-05	2.43E-06	7.51E-06
7153	436640.6	3762610	2.9E-05	9.89E-05	4.51E-06	1.62E-05	2.43E-06	7.49E-06
7154	436644.3	3762601	2.89E-05	9.87E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
7155	436648	3762592	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
7156	436651.7	3762583	2.88E-05	9.8E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
7157	436655.4	3762574	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.40E-06	7.40E-06
7158	436659	3762565	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
7159	436662.7	3762556	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
7160	436666.4	3762547	2.82E-05	9.62E-05	4.38E-06	1.57E-05	2.36E-06	7.29E-06
7161	436670.1	3762538	2.81E-05	9.57E-05	4.36E-06	1.56E-05	2.35E-06	7.25E-06
7162	436673.8	3762529	2.79E-05	9.51E-05	4.33E-06	1.55E-05	2.33E-06	7.21E-06
7163	436677.4	3762520	2.77E-05	9.45E-05	4.31E-06	1.54E-05	2.32E-06	7.16E-06
7164	436681.1	3762511	2.75E-05	9.39E-05	4.28E-06	1.53E-05	2.31E-06	7.12E-06
7165	436684.8	3762502	2.74E-05	9.33E-05	4.25E-06	1.52E-05	2.29E-06	7.07E-06
7166	436688.5	3762494	2.72E-05	9.26E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
7167	436706.9	3762449	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
7168	436710.6	3762440	2.6E-05	8.86E-05	4.04E-06	1.45E-05	2.17E-06	6.71E-06
7169	436714.3	3762431	2.58E-05	8.8E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
7170	436717.9	3762422	2.56E-05	8.73E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
7171	436721.6	3762413	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
7172	436725.3	3762404	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06

7173	436729	3762395	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
7174	436732.7	3762386	2.49E-05	8.5E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
7175	436736.4	3762377	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
7176	436754.8	3762333	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
7177	436795.3	3762235	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
7178	436798.9	3762226	2.17E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
7179	436802.6	3762217	2.15E-05	7.35E-05	3.35E-06	1.20E-05	1.80E-06	5.57E-06
7180	436806.3	3762208	2.13E-05	7.28E-05	3.31E-06	1.19E-05	1.79E-06	5.51E-06
7181	436810	3762199	2.11E-05	7.2E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7182	436813.7	3762190	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7183	436817.4	3762181	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
7184	436821	3762172	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
7185	436833.6	3762159	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
7186	436860.3	3762148	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
7187	436869.2	3762145	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.35E-06
7188	436878.1	3762141	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
7189	436887.1	3762137	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
7190	436896	3762133	2.09E-05	7.14E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
7191	436904.9	3762130	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
7192	436913.8	3762126	2.11E-05	7.19E-05	3.27E-06	1.17E-05	1.76E-06	5.45E-06
7193	436922.7	3762122	2.11E-05	7.2E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7194	436931.6	3762118	2.12E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7195	436940.5	3762115	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7196	436949.4	3762111	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7197	436958.3	3762107	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7198	436967.2	3762103	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7199	436976.1	3762100	2.12E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7200	436985	3762096	2.11E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.46E-06
7201	436993.9	3762092	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7202	437261.1	3761980	1.83E-05	6.24E-05	2.85E-06	1.02E-05	1.53E-06	4.73E-06
7203	437270	3761976	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
7204	437278.9	3761973	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
7205	437287.8	3761969	1.8E-05	6.14E-05	2.80E-06	1.00E-05	1.51E-06	4.65E-06
7206	437296.7	3761965	1.79E-05	6.11E-05	2.78E-06	9.97E-06	1.50E-06	4.63E-06
7207	437305.6	3761961	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.61E-06
7208	437314.5	3761958	1.77E-05	6.05E-05	2.76E-06	9.89E-06	1.49E-06	4.59E-06
7209	437323.4	3761954	1.77E-05	6.03E-05	2.75E-06	9.85E-06	1.48E-06	4.57E-06
7210	437332.3	3761950	1.76E-05	6.01E-05	2.74E-06	9.81E-06	1.47E-06	4.55E-06
7211	437341.2	3761946	1.76E-05	5.99E-05	2.73E-06	9.78E-06	1.47E-06	4.54E-06
7212	437350.1	3761943	1.75E-05	5.97E-05	2.72E-06	9.75E-06	1.46E-06	4.52E-06
7213	436603.8	3762699	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.40E-06	7.40E-06
7214	436603.8	3762709	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
7215	436603.8	3762718	2.88E-05	9.82E-05	4.47E-06	1.60E-05	2.41E-06	7.44E-06
7216	436603.8	3762728	2.88E-05	9.84E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
7217	436603.8	3762738	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
7218	436603.8	3762747	2.89E-05	9.86E-05	4.49E-06	1.61E-05	2.42E-06	7.47E-06
7219	436603.8	3762757	2.89E-05	9.86E-05	4.49E-06	1.61E-05	2.42E-06	7.47E-06
7220	436603.8	3762767	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
7221	436603.8	3762776	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.42E-06	7.46E-06
7222	436603.8	3762786	2.88E-05	9.82E-05	4.48E-06	1.60E-05	2.41E-06	7.44E-06
7223	436603.8	3762796	2.87E-05	9.8E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
7224	436603.8	3762806	2.87E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.41E-06

7225	436603.8	3762815	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06
7226	436603.8	3762825	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
7227	436603.8	3762835	2.84E-05	9.68E-05	4.41E-06	1.58E-05	2.38E-06	7.33E-06
7228	436603.8	3762844	2.83E-05	9.64E-05	4.39E-06	1.57E-05	2.37E-06	7.30E-06
7229	436603.8	3762854	2.81E-05	9.6E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
7230	436574.9	3762672	2.66E-05	9.07E-05	4.13E-06	1.48E-05	2.23E-06	6.87E-06
7231	436578.6	3762663	2.67E-05	9.09E-05	4.14E-06	1.48E-05	2.23E-06	6.89E-06
7232	436582.3	3762654	2.67E-05	9.11E-05	4.15E-06	1.49E-05	2.24E-06	6.90E-06
7233	436586	3762645	2.67E-05	9.12E-05	4.15E-06	1.49E-05	2.24E-06	6.91E-06
7234	436589.6	3762636	2.67E-05	9.12E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
7235	436593.3	3762627	2.67E-05	9.12E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
7236	436597	3762618	2.67E-05	9.12E-05	4.15E-06	1.49E-05	2.24E-06	6.91E-06
7237	436600.7	3762609	2.67E-05	9.1E-05	4.15E-06	1.49E-05	2.23E-06	6.90E-06
7238	436604.4	3762600	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
7239	436608.1	3762592	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.87E-06
7240	436611.8	3762583	2.65E-05	9.03E-05	4.12E-06	1.48E-05	2.22E-06	6.85E-06
7241	436615.5	3762574	2.64E-05	9E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06
7242	436619.2	3762565	2.63E-05	8.96E-05	4.08E-06	1.46E-05	2.20E-06	6.79E-06
7243	436622.9	3762556	2.62E-05	8.93E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
7244	436626.6	3762547	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.73E-06
7245	436630.2	3762538	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
7246	436633.9	3762529	2.58E-05	8.8E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
7247	436637.6	3762520	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
7248	436641.3	3762511	2.55E-05	8.7E-05	3.96E-06	1.42E-05	2.13E-06	6.59E-06
7249	436645	3762502	2.53E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
7250	436648.7	3762493	2.52E-05	8.59E-05	3.91E-06	1.40E-05	2.11E-06	6.51E-06
7251	436652.4	3762484	2.5E-05	8.53E-05	3.89E-06	1.39E-05	2.09E-06	6.46E-06
7252	436667.2	3762448	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.03E-06	6.28E-06
7253	436670.8	3762439	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.24E-06
7254	436674.5	3762430	2.4E-05	8.17E-05	3.72E-06	1.33E-05	2.01E-06	6.19E-06
7255	436678.2	3762421	2.38E-05	8.11E-05	3.70E-06	1.32E-05	1.99E-06	6.14E-06
7256	436681.9	3762412	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
7257	436685.6	3762404	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
7258	436689.3	3762395	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
7259	436693	3762386	2.32E-05	7.9E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
7260	436707.8	3762350	2.26E-05	7.71E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
7261	436711.4	3762341	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
7262	436715.1	3762332	2.23E-05	7.6E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
7263	436718.8	3762323	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
7264	436722.5	3762314	2.2E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.68E-06
7265	436726.2	3762305	2.18E-05	7.44E-05	3.39E-06	1.22E-05	1.83E-06	5.64E-06
7266	436729.9	3762296	2.17E-05	7.39E-05	3.37E-06	1.21E-05	1.81E-06	5.60E-06
7267	436733.6	3762287	2.15E-05	7.34E-05	3.34E-06	1.20E-05	1.80E-06	5.56E-06
7268	436737.3	3762278	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7269	436741	3762269	2.12E-05	7.23E-05	3.30E-06	1.18E-05	1.78E-06	5.48E-06
7270	436744.7	3762260	2.11E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
7271	436748.4	3762251	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7272	436792.7	3762144	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.87E-06
7273	436805.3	3762131	1.87E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
7274	436832.1	3762120	1.9E-05	6.48E-05	2.95E-06	1.06E-05	1.59E-06	4.91E-06
7275	436841	3762116	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
7276	436849.9	3762113	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06

7277	436858.8	3762109	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
7278	436867.8	3762105	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.99E-06
7279	436876.7	3762101	1.94E-05	6.6E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
7280	436885.6	3762098	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
7281	437162.4	3761981	1.79E-05	6.1E-05	2.78E-06	9.97E-06	1.50E-06	4.62E-06
7282	437171.3	3761978	1.78E-05	6.06E-05	2.76E-06	9.91E-06	1.49E-06	4.60E-06
7283	437180.2	3761974	1.77E-05	6.03E-05	2.75E-06	9.85E-06	1.48E-06	4.57E-06
7284	437189.1	3761970	1.76E-05	5.99E-05	2.73E-06	9.79E-06	1.47E-06	4.54E-06
7285	437198.1	3761966	1.75E-05	5.96E-05	2.71E-06	9.73E-06	1.46E-06	4.51E-06
7286	437207	3761963	1.74E-05	5.92E-05	2.70E-06	9.67E-06	1.45E-06	4.49E-06
7287	437215.9	3761959	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
7288	437224.9	3761955	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.43E-06
7289	437233.8	3761951	1.71E-05	5.82E-05	2.65E-06	9.50E-06	1.43E-06	4.41E-06
7290	437242.7	3761948	1.7E-05	5.78E-05	2.63E-06	9.45E-06	1.42E-06	4.38E-06
7291	437251.6	3761944	1.69E-05	5.75E-05	2.62E-06	9.39E-06	1.41E-06	4.36E-06
7292	437260.6	3761940	1.68E-05	5.72E-05	2.61E-06	9.35E-06	1.40E-06	4.33E-06
7293	437269.5	3761936	1.67E-05	5.69E-05	2.59E-06	9.30E-06	1.40E-06	4.31E-06
7294	437278.4	3761933	1.66E-05	5.66E-05	2.58E-06	9.25E-06	1.39E-06	4.29E-06
7295	437287.3	3761929	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
7296	437296.3	3761925	1.65E-05	5.61E-05	2.56E-06	9.17E-06	1.38E-06	4.25E-06
7297	437305.2	3761921	1.64E-05	5.59E-05	2.55E-06	9.13E-06	1.37E-06	4.24E-06
7298	437314.1	3761918	1.63E-05	5.57E-05	2.54E-06	9.10E-06	1.37E-06	4.22E-06
7299	437323.1	3761914	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
7300	437332	3761910	1.62E-05	5.53E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
7301	437340.9	3761906	1.62E-05	5.52E-05	2.51E-06	9.02E-06	1.35E-06	4.18E-06
7302	437349.8	3761903	1.61E-05	5.5E-05	2.51E-06	8.99E-06	1.35E-06	4.17E-06
7303	436527.4	3762690	2.43E-05	8.3E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
7304	436531.1	3762681	2.44E-05	8.34E-05	3.80E-06	1.36E-05	2.05E-06	6.32E-06
7305	436534.7	3762672	2.45E-05	8.37E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
7306	436538.4	3762664	2.46E-05	8.39E-05	3.82E-06	1.37E-05	2.06E-06	6.36E-06
7307	436542	3762655	2.47E-05	8.41E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
7308	436545.7	3762646	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
7309	436549.3	3762637	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
7310	436574.8	3762575	2.45E-05	8.35E-05	3.81E-06	1.36E-05	2.05E-06	6.33E-06
7311	436578.5	3762566	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
7312	436582.1	3762558	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.04E-06	6.28E-06
7313	436585.8	3762549	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
7314	436589.4	3762540	2.41E-05	8.22E-05	3.74E-06	1.34E-05	2.02E-06	6.23E-06
7315	436593	3762531	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
7316	436596.7	3762522	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
7317	436600.3	3762513	2.37E-05	8.1E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
7318	436604	3762504	2.36E-05	8.05E-05	3.67E-06	1.32E-05	1.98E-06	6.10E-06
7319	436607.6	3762496	2.35E-05	8E-05	3.65E-06	1.31E-05	1.96E-06	6.07E-06
7320	436611.3	3762487	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
7321	436629.5	3762443	2.26E-05	7.71E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
7322	436633.1	3762434	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
7323	436636.8	3762425	2.23E-05	7.6E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
7324	436640.4	3762416	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
7325	436644.1	3762407	2.2E-05	7.5E-05	3.42E-06	1.23E-05	1.84E-06	5.68E-06
7326	436647.7	3762398	2.19E-05	7.45E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
7327	436651.4	3762390	2.17E-05	7.41E-05	3.37E-06	1.21E-05	1.82E-06	5.61E-06
7328	436665.9	3762354	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06

7329	436669.6	3762345	2.1E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
7330	436673.2	3762337	2.09E-05	7.13E-05	3.25E-06	1.17E-05	1.75E-06	5.40E-06
7331	436676.9	3762328	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
7332	436680.5	3762319	2.07E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
7333	436684.2	3762310	2.05E-05	7E-05	3.19E-06	1.14E-05	1.72E-06	5.30E-06
7334	436687.8	3762301	2.04E-05	6.95E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
7335	436691.4	3762292	2.02E-05	6.9E-05	3.15E-06	1.13E-05	1.69E-06	5.23E-06
7336	436695.1	3762284	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
7337	436698.7	3762275	2E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
7338	436702.4	3762266	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
7339	436706	3762257	1.97E-05	6.72E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
7340	436709.7	3762248	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
7341	436713.3	3762239	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
7342	436716.9	3762231	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
7343	436720.6	3762222	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
7344	436724.2	3762213	1.9E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
7345	436727.9	3762204	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.88E-06
7346	436731.5	3762195	1.88E-05	6.4E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06
7347	437067.6	3761981	1.74E-05	5.93E-05	2.70E-06	9.68E-06	1.46E-06	4.49E-06
7348	437076.5	3761977	1.73E-05	5.9E-05	2.69E-06	9.64E-06	1.45E-06	4.47E-06
7349	437085.3	3761974	1.72E-05	5.87E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
7350	437094.1	3761970	1.71E-05	5.84E-05	2.66E-06	9.55E-06	1.43E-06	4.43E-06
7351	437102.9	3761966	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
7352	437111.7	3761963	1.69E-05	5.78E-05	2.63E-06	9.44E-06	1.42E-06	4.38E-06
7353	437120.5	3761959	1.68E-05	5.74E-05	2.62E-06	9.39E-06	1.41E-06	4.35E-06
7354	437129.3	3761955	1.67E-05	5.71E-05	2.60E-06	9.33E-06	1.40E-06	4.33E-06
7355	437138.2	3761951	1.67E-05	5.68E-05	2.59E-06	9.28E-06	1.39E-06	4.30E-06
7356	437147	3761948	1.66E-05	5.65E-05	2.57E-06	9.23E-06	1.39E-06	4.28E-06
7357	437155.8	3761944	1.65E-05	5.62E-05	2.56E-06	9.17E-06	1.38E-06	4.26E-06
7358	437164.6	3761940	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
7359	437173.4	3761937	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
7360	437182.2	3761933	1.62E-05	5.52E-05	2.52E-06	9.02E-06	1.36E-06	4.18E-06
7361	437191	3761929	1.61E-05	5.49E-05	2.50E-06	8.97E-06	1.35E-06	4.16E-06
7362	437199.9	3761926	1.6E-05	5.46E-05	2.49E-06	8.92E-06	1.34E-06	4.14E-06
7363	437208.7	3761922	1.59E-05	5.43E-05	2.47E-06	8.87E-06	1.33E-06	4.11E-06
7364	437217.5	3761918	1.58E-05	5.4E-05	2.46E-06	8.82E-06	1.33E-06	4.09E-06
7365	437226.3	3761914	1.58E-05	5.37E-05	2.45E-06	8.77E-06	1.32E-06	4.07E-06
7366	437235.1	3761911	1.57E-05	5.34E-05	2.43E-06	8.73E-06	1.31E-06	4.05E-06
7367	437243.9	3761907	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.03E-06
7368	437252.7	3761903	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
7369	437261.6	3761900	1.54E-05	5.27E-05	2.40E-06	8.60E-06	1.29E-06	3.99E-06
7370	437270.4	3761896	1.54E-05	5.24E-05	2.39E-06	8.57E-06	1.29E-06	3.97E-06
7371	437279.2	3761892	1.53E-05	5.22E-05	2.38E-06	8.53E-06	1.28E-06	3.96E-06
7372	436523.8	3762699	2.42E-05	8.26E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
7373	436523.8	3762709	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
7374	436523.8	3762718	2.43E-05	8.3E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
7375	436523.8	3762728	2.44E-05	8.31E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
7376	436523.8	3762738	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
7377	436523.8	3762747	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
7378	436523.8	3762757	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
7379	436523.8	3762767	2.43E-05	8.3E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
7380	436523.8	3762776	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.03E-06	6.28E-06

7381	436523.8	3762786	2.43E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
7382	436523.8	3762796	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
7383	436523.8	3762806	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.24E-06
7384	436523.8	3762815	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.01E-06	6.22E-06
7385	436523.8	3762825	2.4E-05	8.18E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
7386	436523.8	3762835	2.39E-05	8.15E-05	3.71E-06	1.33E-05	2.00E-06	6.18E-06
7387	436523.8	3762844	2.38E-05	8.12E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
7388	436523.8	3762854	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
7389	436487.5	3762690	2.25E-05	7.69E-05	3.50E-06	1.26E-05	1.89E-06	5.83E-06
7390	436491.1	3762681	2.26E-05	7.72E-05	3.52E-06	1.26E-05	1.90E-06	5.85E-06
7391	436494.8	3762672	2.27E-05	7.75E-05	3.53E-06	1.27E-05	1.90E-06	5.87E-06
7392	436498.4	3762663	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
7393	436502.1	3762655	2.28E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
7394	436505.7	3762646	2.29E-05	7.81E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
7395	436509.4	3762637	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
7396	436513	3762628	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.93E-06
7397	436516.7	3762619	2.3E-05	7.83E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
7398	436520.3	3762610	2.29E-05	7.82E-05	3.57E-06	1.28E-05	1.92E-06	5.93E-06
7399	436524	3762601	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
7400	436527.7	3762593	2.29E-05	7.81E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
7401	436531.3	3762584	2.29E-05	7.8E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
7402	436535	3762575	2.28E-05	7.78E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
7403	436538.6	3762566	2.27E-05	7.75E-05	3.53E-06	1.27E-05	1.90E-06	5.88E-06
7404	436542.3	3762557	2.27E-05	7.73E-05	3.52E-06	1.26E-05	1.90E-06	5.86E-06
7405	436545.9	3762548	2.26E-05	7.7E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
7406	436549.6	3762539	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
7407	436589.8	3762442	2.11E-05	7.2E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7408	436593.4	3762433	2.1E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
7409	436597.1	3762424	2.08E-05	7.11E-05	3.24E-06	1.16E-05	1.74E-06	5.39E-06
7410	436600.7	3762415	2.07E-05	7.06E-05	3.22E-06	1.15E-05	1.73E-06	5.35E-06
7411	436604.4	3762406	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
7412	436608	3762398	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
7413	436611.7	3762389	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
7414	436626.3	3762353	1.98E-05	6.76E-05	3.08E-06	1.10E-05	1.66E-06	5.12E-06
7415	436630	3762344	1.97E-05	6.72E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
7416	436633.6	3762336	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.06E-06
7417	436637.3	3762327	1.95E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
7418	436640.9	3762318	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	5.00E-06
7419	436644.6	3762309	1.92E-05	6.55E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
7420	436648.2	3762300	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.94E-06
7421	436651.9	3762291	1.9E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.91E-06
7422	436655.6	3762282	1.89E-05	6.44E-05	2.93E-06	1.05E-05	1.58E-06	4.88E-06
7423	436659.2	3762274	1.88E-05	6.4E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06
7424	436662.9	3762265	1.86E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
7425	436666.5	3762256	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
7426	436670.2	3762247	1.84E-05	6.27E-05	2.86E-06	1.02E-05	1.54E-06	4.75E-06
7427	436673.8	3762238	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
7428	436677.5	3762229	1.81E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
7429	436681.1	3762220	1.8E-05	6.15E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
7430	436684.8	3762212	1.79E-05	6.11E-05	2.78E-06	9.98E-06	1.50E-06	4.63E-06
7431	436688.4	3762203	1.78E-05	6.07E-05	2.77E-06	9.92E-06	1.49E-06	4.60E-06
7432	436978.2	3761978	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06

7433	436987.1	3761975	1.65E-05	5.62E-05	2.56E-06	9.19E-06	1.38E-06	4.26E-06
7434	436995.9	3761971	1.65E-05	5.61E-05	2.56E-06	9.16E-06	1.38E-06	4.25E-06
7435	437004.7	3761967	1.64E-05	5.6E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
7436	437013.6	3761964	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
7437	437022.4	3761960	1.63E-05	5.57E-05	2.54E-06	9.10E-06	1.37E-06	4.22E-06
7438	437031.3	3761956	1.63E-05	5.55E-05	2.53E-06	9.07E-06	1.36E-06	4.21E-06
7439	437040.1	3761952	1.62E-05	5.54E-05	2.52E-06	9.05E-06	1.36E-06	4.20E-06
7440	437048.9	3761949	1.62E-05	5.51E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
7441	437057.8	3761945	1.61E-05	5.49E-05	2.50E-06	8.97E-06	1.35E-06	4.16E-06
7442	437066.6	3761941	1.6E-05	5.47E-05	2.49E-06	8.93E-06	1.34E-06	4.14E-06
7443	437075.4	3761938	1.6E-05	5.44E-05	2.48E-06	8.89E-06	1.34E-06	4.12E-06
7444	437084.3	3761934	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
7445	437093.1	3761930	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
7446	437102	3761927	1.57E-05	5.35E-05	2.44E-06	8.74E-06	1.31E-06	4.05E-06
7447	437110.8	3761923	1.56E-05	5.32E-05	2.43E-06	8.69E-06	1.31E-06	4.03E-06
7448	437119.6	3761919	1.55E-05	5.29E-05	2.41E-06	8.65E-06	1.30E-06	4.01E-06
7449	437128.5	3761915	1.54E-05	5.26E-05	2.40E-06	8.60E-06	1.29E-06	3.99E-06
7450	437137.3	3761912	1.54E-05	5.24E-05	2.39E-06	8.55E-06	1.29E-06	3.97E-06
7451	437146.1	3761908	1.53E-05	5.21E-05	2.37E-06	8.51E-06	1.28E-06	3.95E-06
7452	437155	3761904	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.92E-06
7453	437163.8	3761901	1.51E-05	5.15E-05	2.35E-06	8.41E-06	1.26E-06	3.90E-06
7454	437172.7	3761897	1.5E-05	5.12E-05	2.33E-06	8.36E-06	1.26E-06	3.88E-06
7455	437181.5	3761893	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
7456	437190.3	3761889	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
7457	436483.8	3762699	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
7458	436483.8	3762709	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
7459	436483.8	3762718	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
7460	436483.8	3762728	2.25E-05	7.68E-05	3.50E-06	1.26E-05	1.89E-06	5.82E-06
7461	436483.8	3762738	2.25E-05	7.68E-05	3.50E-06	1.26E-05	1.89E-06	5.82E-06
7462	436483.8	3762747	2.25E-05	7.68E-05	3.50E-06	1.26E-05	1.89E-06	5.82E-06
7463	436483.8	3762757	2.25E-05	7.68E-05	3.50E-06	1.25E-05	1.88E-06	5.82E-06
7464	436483.8	3762767	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
7465	436483.8	3762776	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
7466	436483.8	3762786	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
7467	436483.8	3762796	2.24E-05	7.62E-05	3.47E-06	1.25E-05	1.87E-06	5.78E-06
7468	436483.8	3762806	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
7469	436483.8	3762815	2.22E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.75E-06
7470	436483.8	3762825	2.22E-05	7.56E-05	3.45E-06	1.24E-05	1.86E-06	5.73E-06
7471	436483.8	3762835	2.21E-05	7.54E-05	3.43E-06	1.23E-05	1.85E-06	5.71E-06
7472	436483.8	3762844	2.2E-05	7.51E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
7473	436483.8	3762854	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
7474	436447.5	3762690	2.1E-05	7.15E-05	3.26E-06	1.17E-05	1.75E-06	5.41E-06
7475	436451.1	3762681	2.1E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
7476	436454.8	3762672	2.11E-05	7.2E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
7477	436458.5	3762663	2.12E-05	7.23E-05	3.29E-06	1.18E-05	1.77E-06	5.48E-06
7478	436462.1	3762654	2.12E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
7479	436465.8	3762646	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
7480	436469.4	3762637	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.79E-06	5.51E-06
7481	436473.1	3762628	2.14E-05	7.28E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7482	436476.8	3762619	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7483	436480.4	3762610	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7484	436484.1	3762601	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06

7485	436487.8	3762592	2.13E-05	7.28E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
7486	436491.4	3762583	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
7487	436495.1	3762575	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
7488	436498.8	3762566	2.12E-05	7.24E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
7489	436502.4	3762557	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
7490	436506.1	3762548	2.11E-05	7.2E-05	3.28E-06	1.18E-05	1.77E-06	5.45E-06
7491	436509.7	3762539	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
7492	436513.4	3762530	2.09E-05	7.14E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
7493	436517.1	3762521	2.08E-05	7.11E-05	3.24E-06	1.16E-05	1.74E-06	5.39E-06
7494	436520.7	3762512	2.07E-05	7.07E-05	3.22E-06	1.16E-05	1.74E-06	5.36E-06
7495	436524.4	3762503	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06
7496	436528.1	3762495	2.05E-05	7E-05	3.19E-06	1.14E-05	1.72E-06	5.30E-06
7497	436531.7	3762486	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
7498	436535.4	3762477	2.03E-05	6.91E-05	3.15E-06	1.13E-05	1.70E-06	5.24E-06
7499	436539	3762468	2.01E-05	6.87E-05	3.13E-06	1.12E-05	1.69E-06	5.21E-06
7500	436542.7	3762459	2E-05	6.83E-05	3.11E-06	1.12E-05	1.68E-06	5.18E-06
7501	436546.4	3762450	1.99E-05	6.79E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
7502	436583	3762361	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
7503	436586.7	3762352	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
7504	436590.3	3762344	1.85E-05	6.3E-05	2.87E-06	1.03E-05	1.55E-06	4.78E-06
7505	436594	3762335	1.84E-05	6.26E-05	2.85E-06	1.02E-05	1.54E-06	4.75E-06
7506	436597.7	3762326	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
7507	436601.3	3762317	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
7508	436605	3762308	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
7509	436608.7	3762299	1.79E-05	6.12E-05	2.79E-06	9.99E-06	1.50E-06	4.64E-06
7510	436612.3	3762290	1.78E-05	6.08E-05	2.77E-06	9.94E-06	1.49E-06	4.61E-06
7511	436616	3762281	1.77E-05	6.05E-05	2.76E-06	9.88E-06	1.48E-06	4.58E-06
7512	436619.6	3762273	1.76E-05	6.01E-05	2.74E-06	9.82E-06	1.48E-06	4.56E-06
7513	436623.3	3762264	1.75E-05	5.98E-05	2.72E-06	9.77E-06	1.47E-06	4.53E-06
7514	436627	3762255	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
7515	436630.6	3762246	1.73E-05	5.91E-05	2.69E-06	9.66E-06	1.45E-06	4.48E-06
7516	436634.3	3762237	1.72E-05	5.88E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
7517	436638	3762228	1.71E-05	5.84E-05	2.66E-06	9.55E-06	1.43E-06	4.43E-06
7518	436641.6	3762219	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
7519	436645.3	3762210	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.38E-06
7520	436648.9	3762201	1.68E-05	5.74E-05	2.62E-06	9.38E-06	1.41E-06	4.35E-06
7521	436652.6	3762193	1.67E-05	5.71E-05	2.60E-06	9.32E-06	1.40E-06	4.32E-06
7522	436656.3	3762184	1.66E-05	5.67E-05	2.58E-06	9.27E-06	1.39E-06	4.30E-06
7523	436659.9	3762175	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
7524	436663.6	3762166	1.64E-05	5.6E-05	2.55E-06	9.15E-06	1.37E-06	4.24E-06
7525	436667.3	3762157	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
7526	436670.9	3762148	1.62E-05	5.53E-05	2.52E-06	9.03E-06	1.36E-06	4.19E-06
7527	436674.6	3762139	1.61E-05	5.49E-05	2.50E-06	8.98E-06	1.35E-06	4.16E-06
7528	436678.3	3762130	1.6E-05	5.46E-05	2.49E-06	8.91E-06	1.34E-06	4.13E-06
7529	436879.6	3761980	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7530	436888.4	3761976	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7531	436897.3	3761972	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7532	436906.1	3761969	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7533	436915	3761965	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
7534	436923.9	3761961	1.56E-05	5.32E-05	2.43E-06	8.69E-06	1.31E-06	4.03E-06
7535	436932.7	3761957	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.02E-06
7536	436941.6	3761954	1.55E-05	5.3E-05	2.41E-06	8.66E-06	1.30E-06	4.02E-06

7537	436950.4	3761950	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
7538	436959.3	3761946	1.55E-05	5.28E-05	2.40E-06	8.62E-06	1.29E-06	4.00E-06
7539	436968.2	3761943	1.54E-05	5.27E-05	2.40E-06	8.60E-06	1.29E-06	3.99E-06
7540	436977	3761939	1.54E-05	5.25E-05	2.39E-06	8.58E-06	1.29E-06	3.98E-06
7541	436985.9	3761935	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
7542	436994.7	3761931	1.53E-05	5.22E-05	2.38E-06	8.53E-06	1.28E-06	3.96E-06
7543	437003.6	3761928	1.53E-05	5.21E-05	2.37E-06	8.50E-06	1.28E-06	3.94E-06
7544	437012.5	3761924	1.52E-05	5.19E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
7545	437021.3	3761920	1.52E-05	5.17E-05	2.36E-06	8.44E-06	1.27E-06	3.92E-06
7546	437030.2	3761917	1.51E-05	5.15E-05	2.35E-06	8.41E-06	1.26E-06	3.90E-06
7547	437039	3761913	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
7548	437047.9	3761909	1.5E-05	5.1E-05	2.33E-06	8.34E-06	1.25E-06	3.87E-06
7549	437056.8	3761905	1.49E-05	5.08E-05	2.31E-06	8.29E-06	1.25E-06	3.85E-06
7550	437065.6	3761902	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
7551	437074.5	3761898	1.47E-05	5.03E-05	2.29E-06	8.21E-06	1.23E-06	3.81E-06
7552	437083.3	3761894	1.47E-05	5E-05	2.28E-06	8.17E-06	1.23E-06	3.79E-06
7553	437092.2	3761891	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
7554	437101.1	3761887	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.22E-06	3.75E-06
7555	436443.8	3762699	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
7556	436443.8	3762709	2.09E-05	7.12E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7557	436443.8	3762718	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7558	436443.8	3762728	2.09E-05	7.13E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
7559	436443.8	3762738	2.09E-05	7.13E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
7560	436443.8	3762747	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7561	436443.8	3762757	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
7562	436443.8	3762767	2.09E-05	7.12E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
7563	436443.8	3762776	2.08E-05	7.1E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
7564	436443.8	3762786	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
7565	436443.8	3762796	2.07E-05	7.07E-05	3.22E-06	1.16E-05	1.74E-06	5.36E-06
7566	436443.8	3762806	2.07E-05	7.06E-05	3.22E-06	1.15E-05	1.73E-06	5.35E-06
7567	436443.8	3762815	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06
7568	436443.8	3762825	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
7569	436443.8	3762835	2.05E-05	6.99E-05	3.19E-06	1.14E-05	1.72E-06	5.30E-06
7570	436443.8	3762844	2.04E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
7571	436443.8	3762854	2.04E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
7572	436407.5	3762690	1.95E-05	6.66E-05	3.03E-06	1.09E-05	1.63E-06	5.05E-06
7573	436411.1	3762681	1.96E-05	6.69E-05	3.05E-06	1.09E-05	1.64E-06	5.07E-06
7574	436414.8	3762672	1.97E-05	6.72E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
7575	436418.5	3762663	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.65E-06	5.11E-06
7576	436422.2	3762654	1.98E-05	6.76E-05	3.08E-06	1.10E-05	1.66E-06	5.12E-06
7577	436425.8	3762645	1.99E-05	6.77E-05	3.09E-06	1.11E-05	1.66E-06	5.13E-06
7578	436429.5	3762637	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
7579	436433.2	3762628	1.99E-05	6.79E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
7580	436436.8	3762619	1.99E-05	6.8E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
7581	436440.5	3762610	2E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
7582	436444.2	3762601	2E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
7583	436447.9	3762592	2E-05	6.8E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
7584	436451.5	3762583	1.99E-05	6.8E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
7585	436455.2	3762574	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
7586	436458.9	3762565	1.99E-05	6.77E-05	3.09E-06	1.11E-05	1.66E-06	5.13E-06
7587	436462.6	3762556	1.98E-05	6.75E-05	3.08E-06	1.10E-05	1.66E-06	5.12E-06
7588	436466.2	3762548	1.97E-05	6.73E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06

7589	436469.9	3762539	1.97E-05	6.71E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
7590	436473.6	3762530	1.96E-05	6.69E-05	3.05E-06	1.09E-05	1.64E-06	5.07E-06
7591	436477.2	3762521	1.95E-05	6.66E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
7592	436480.9	3762512	1.95E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
7593	436484.6	3762503	1.94E-05	6.6E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
7594	436488.3	3762494	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
7595	436491.9	3762485	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
7596	436495.6	3762476	1.91E-05	6.5E-05	2.96E-06	1.06E-05	1.60E-06	4.92E-06
7597	436499.3	3762467	1.89E-05	6.46E-05	2.94E-06	1.06E-05	1.59E-06	4.89E-06
7598	436502.9	3762459	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.86E-06
7599	436506.6	3762450	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
7600	436510.3	3762441	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
7601	436514	3762432	1.85E-05	6.3E-05	2.87E-06	1.03E-05	1.55E-06	4.78E-06
7602	436517.6	3762423	1.84E-05	6.26E-05	2.85E-06	1.02E-05	1.54E-06	4.75E-06
7603	436521.3	3762414	1.83E-05	6.22E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
7604	436525	3762405	1.81E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
7605	436528.6	3762396	1.8E-05	6.15E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
7606	436532.3	3762387	1.79E-05	6.11E-05	2.78E-06	9.98E-06	1.50E-06	4.63E-06
7607	436536	3762378	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.60E-06
7608	436547	3762352	1.75E-05	5.97E-05	2.72E-06	9.75E-06	1.47E-06	4.52E-06
7609	436550.7	3762343	1.74E-05	5.93E-05	2.70E-06	9.69E-06	1.46E-06	4.50E-06
7610	436554.3	3762334	1.73E-05	5.9E-05	2.69E-06	9.64E-06	1.45E-06	4.47E-06
7611	436558	3762325	1.72E-05	5.86E-05	2.67E-06	9.58E-06	1.44E-06	4.44E-06
7612	436561.7	3762316	1.71E-05	5.83E-05	2.66E-06	9.53E-06	1.43E-06	4.42E-06
7613	436565.4	3762307	1.7E-05	5.8E-05	2.64E-06	9.47E-06	1.42E-06	4.39E-06
7614	436569	3762298	1.69E-05	5.77E-05	2.63E-06	9.42E-06	1.42E-06	4.37E-06
7615	436572.7	3762289	1.68E-05	5.74E-05	2.61E-06	9.37E-06	1.41E-06	4.35E-06
7616	436576.4	3762280	1.67E-05	5.71E-05	2.60E-06	9.32E-06	1.40E-06	4.32E-06
7617	436580	3762272	1.66E-05	5.68E-05	2.59E-06	9.27E-06	1.39E-06	4.30E-06
7618	436583.7	3762263	1.66E-05	5.65E-05	2.57E-06	9.23E-06	1.39E-06	4.28E-06
7619	436587.4	3762254	1.65E-05	5.62E-05	2.56E-06	9.18E-06	1.38E-06	4.26E-06
7620	436591.1	3762245	1.64E-05	5.59E-05	2.55E-06	9.13E-06	1.37E-06	4.24E-06
7621	436594.7	3762236	1.63E-05	5.56E-05	2.53E-06	9.09E-06	1.37E-06	4.21E-06
7622	436598.4	3762227	1.62E-05	5.53E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
7623	436602.1	3762218	1.61E-05	5.51E-05	2.51E-06	8.99E-06	1.35E-06	4.17E-06
7624	436605.7	3762209	1.61E-05	5.48E-05	2.49E-06	8.94E-06	1.34E-06	4.15E-06
7625	436609.4	3762200	1.6E-05	5.44E-05	2.48E-06	8.89E-06	1.34E-06	4.12E-06
7626	436613.1	3762191	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
7627	436616.8	3762182	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
7628	436620.4	3762174	1.57E-05	5.34E-05	2.44E-06	8.73E-06	1.31E-06	4.05E-06
7629	436624.1	3762165	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.03E-06
7630	436627.8	3762156	1.55E-05	5.28E-05	2.41E-06	8.63E-06	1.30E-06	4.00E-06
7631	436631.4	3762147	1.54E-05	5.25E-05	2.39E-06	8.58E-06	1.29E-06	3.98E-06
7632	436635.1	3762138	1.53E-05	5.22E-05	2.38E-06	8.52E-06	1.28E-06	3.95E-06
7633	436638.8	3762129	1.52E-05	5.19E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
7634	436642.5	3762120	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.27E-06	3.91E-06
7635	436816.1	3761966	1.46E-05	4.96E-05	2.26E-06	8.11E-06	1.22E-06	3.76E-06
7636	436824.9	3761963	1.46E-05	4.97E-05	2.26E-06	8.12E-06	1.22E-06	3.76E-06
7637	436833.8	3761959	1.46E-05	4.97E-05	2.27E-06	8.12E-06	1.22E-06	3.77E-06
7638	436842.7	3761955	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
7639	436851.6	3761951	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
7640	436860.5	3761948	1.46E-05	4.99E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06

7641	436869.3	3761944	1.46E-05	4.99E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
7642	436878.2	3761940	1.46E-05	4.99E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
7643	436887.1	3761936	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
7644	436896	3761933	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
7645	436904.9	3761929	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
7646	436913.7	3761925	1.46E-05	4.97E-05	2.27E-06	8.12E-06	1.22E-06	3.77E-06
7647	436922.6	3761922	1.46E-05	4.97E-05	2.26E-06	8.11E-06	1.22E-06	3.76E-06
7648	436931.5	3761918	1.45E-05	4.96E-05	2.26E-06	8.10E-06	1.22E-06	3.76E-06
7649	436940.4	3761914	1.45E-05	4.95E-05	2.25E-06	8.08E-06	1.21E-06	3.75E-06
7650	436949.3	3761910	1.45E-05	4.94E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
7651	436958.1	3761907	1.44E-05	4.92E-05	2.24E-06	8.04E-06	1.21E-06	3.73E-06
7652	436967	3761903	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.20E-06	3.72E-06
7653	436975.9	3761899	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.71E-06
7654	436984.8	3761895	1.43E-05	4.87E-05	2.22E-06	7.96E-06	1.20E-06	3.69E-06
7655	436993.7	3761892	1.42E-05	4.85E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
7656	437002.5	3761888	1.42E-05	4.83E-05	2.20E-06	7.89E-06	1.19E-06	3.66E-06
7657	437011.4	3761884	1.41E-05	4.81E-05	2.19E-06	7.86E-06	1.18E-06	3.65E-06
7658	436403.8	3762699	1.94E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
7659	436403.8	3762709	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
7660	436403.8	3762718	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
7661	436403.8	3762728	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
7662	436403.8	3762738	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
7663	436403.8	3762747	1.95E-05	6.64E-05	3.03E-06	1.08E-05	1.63E-06	5.03E-06
7664	436403.8	3762757	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
7665	436403.8	3762767	1.94E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
7666	436403.8	3762776	1.94E-05	6.62E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
7667	436403.8	3762786	1.94E-05	6.6E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
7668	436403.8	3762796	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
7669	436403.8	3762806	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
7670	436403.8	3762815	1.92E-05	6.55E-05	2.99E-06	1.07E-05	1.61E-06	4.96E-06
7671	436403.8	3762825	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
7672	436403.8	3762835	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
7673	436403.8	3762844	1.9E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.91E-06
7674	436403.8	3762854	1.89E-05	6.46E-05	2.94E-06	1.06E-05	1.59E-06	4.90E-06
7675	436378.5	3762663	1.85E-05	6.3E-05	2.87E-06	1.03E-05	1.55E-06	4.78E-06
7676	436382.2	3762654	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
7677	436385.9	3762645	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.80E-06
7678	436389.6	3762636	1.86E-05	6.35E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
7679	436393.2	3762628	1.87E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
7680	436396.9	3762619	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.83E-06
7681	436400.6	3762610	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.83E-06
7682	436404.3	3762601	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
7683	436408	3762592	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.83E-06
7684	436411.6	3762583	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.56E-06	4.83E-06
7685	436415.3	3762574	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.83E-06
7686	436419	3762565	1.86E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
7687	436422.7	3762556	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
7688	436426.4	3762547	1.86E-05	6.33E-05	2.88E-06	1.03E-05	1.55E-06	4.80E-06
7689	436430	3762538	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06
7690	436433.7	3762529	1.84E-05	6.29E-05	2.87E-06	1.03E-05	1.54E-06	4.77E-06
7691	436437.4	3762520	1.84E-05	6.27E-05	2.86E-06	1.02E-05	1.54E-06	4.75E-06
7692	436441.1	3762512	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06

7693	436444.8	3762503	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
7694	436448.4	3762494	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
7695	436452.1	3762485	1.81E-05	6.16E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
7696	436455.8	3762476	1.8E-05	6.13E-05	2.79E-06	1.00E-05	1.50E-06	4.65E-06
7697	436459.5	3762467	1.79E-05	6.1E-05	2.78E-06	9.96E-06	1.50E-06	4.62E-06
7698	436463.1	3762458	1.78E-05	6.06E-05	2.76E-06	9.90E-06	1.49E-06	4.59E-06
7699	436466.8	3762449	1.77E-05	6.03E-05	2.75E-06	9.84E-06	1.48E-06	4.57E-06
7700	436470.5	3762440	1.76E-05	5.99E-05	2.73E-06	9.78E-06	1.47E-06	4.54E-06
7701	436474.2	3762431	1.74E-05	5.95E-05	2.71E-06	9.72E-06	1.46E-06	4.51E-06
7702	436477.9	3762422	1.73E-05	5.91E-05	2.69E-06	9.66E-06	1.45E-06	4.48E-06
7703	436481.5	3762413	1.72E-05	5.88E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
7704	436485.2	3762404	1.71E-05	5.84E-05	2.66E-06	9.54E-06	1.43E-06	4.43E-06
7705	436488.9	3762396	1.7E-05	5.8E-05	2.65E-06	9.48E-06	1.42E-06	4.40E-06
7706	436492.6	3762387	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.37E-06
7707	436496.3	3762378	1.68E-05	5.74E-05	2.61E-06	9.37E-06	1.41E-06	4.35E-06
7708	436499.9	3762369	1.67E-05	5.7E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
7709	436514.7	3762333	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
7710	436518.3	3762324	1.62E-05	5.54E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
7711	436522	3762315	1.62E-05	5.51E-05	2.51E-06	9.00E-06	1.35E-06	4.17E-06
7712	436525.7	3762306	1.61E-05	5.48E-05	2.50E-06	8.95E-06	1.34E-06	4.15E-06
7713	436529.4	3762297	1.6E-05	5.45E-05	2.48E-06	8.91E-06	1.34E-06	4.13E-06
7714	436533.1	3762288	1.59E-05	5.42E-05	2.47E-06	8.86E-06	1.33E-06	4.11E-06
7715	436536.7	3762280	1.58E-05	5.4E-05	2.46E-06	8.81E-06	1.32E-06	4.09E-06
7716	436540.4	3762271	1.57E-05	5.37E-05	2.45E-06	8.77E-06	1.32E-06	4.07E-06
7717	436544.1	3762262	1.57E-05	5.34E-05	2.43E-06	8.73E-06	1.31E-06	4.05E-06
7718	436547.8	3762253	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
7719	436551.5	3762244	1.55E-05	5.29E-05	2.41E-06	8.65E-06	1.30E-06	4.01E-06
7720	436555.1	3762235	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
7721	436558.8	3762226	1.54E-05	5.25E-05	2.39E-06	8.57E-06	1.29E-06	3.97E-06
7722	436562.5	3762217	1.53E-05	5.22E-05	2.38E-06	8.53E-06	1.28E-06	3.95E-06
7723	436566.2	3762208	1.52E-05	5.19E-05	2.37E-06	8.48E-06	1.27E-06	3.93E-06
7724	436569.9	3762199	1.51E-05	5.16E-05	2.35E-06	8.43E-06	1.27E-06	3.91E-06
7725	436573.5	3762190	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
7726	436577.2	3762181	1.5E-05	5.1E-05	2.32E-06	8.33E-06	1.25E-06	3.86E-06
7727	436580.9	3762172	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
7728	436584.6	3762164	1.48E-05	5.04E-05	2.30E-06	8.23E-06	1.24E-06	3.82E-06
7729	436588.2	3762155	1.47E-05	5.01E-05	2.28E-06	8.18E-06	1.23E-06	3.80E-06
7730	436591.9	3762146	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
7731	436595.6	3762137	1.45E-05	4.96E-05	2.26E-06	8.10E-06	1.22E-06	3.75E-06
7732	436599.3	3762128	1.45E-05	4.93E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
7733	436603	3762119	1.44E-05	4.9E-05	2.24E-06	8.01E-06	1.20E-06	3.72E-06
7734	436606.6	3762110	1.43E-05	4.88E-05	2.22E-06	7.98E-06	1.20E-06	3.70E-06
7735	436639.8	3762030	1.35E-05	4.62E-05	2.10E-06	7.55E-06	1.13E-06	3.50E-06
7736	436643.4	3762021	1.34E-05	4.59E-05	2.09E-06	7.49E-06	1.13E-06	3.47E-06
7737	436647.1	3762012	1.33E-05	4.55E-05	2.07E-06	7.43E-06	1.12E-06	3.45E-06
7738	436650.8	3762003	1.32E-05	4.52E-05	2.06E-06	7.38E-06	1.11E-06	3.42E-06
7739	436663.4	3761990	1.32E-05	4.5E-05	2.05E-06	7.35E-06	1.10E-06	3.41E-06
7740	436699	3761975	1.34E-05	4.56E-05	2.08E-06	7.45E-06	1.12E-06	3.45E-06
7741	436796.9	3761934	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
7742	436805.8	3761931	1.37E-05	4.66E-05	2.12E-06	7.62E-06	1.14E-06	3.53E-06
7743	436814.7	3761927	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
7744	436823.6	3761923	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06

7745	436832.5	3761919	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.54E-06
7746	436841.4	3761916	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.55E-06
7747	436850.3	3761912	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.55E-06
7748	436859.2	3761908	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.54E-06
7749	436868.1	3761904	1.37E-05	4.67E-05	2.13E-06	7.64E-06	1.15E-06	3.54E-06
7750	436877	3761901	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
7751	436885.9	3761897	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
7752	436894.8	3761893	1.37E-05	4.66E-05	2.12E-06	7.62E-06	1.14E-06	3.53E-06
7753	436903.7	3761889	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
7754	436912.6	3761886	1.36E-05	4.65E-05	2.12E-06	7.60E-06	1.14E-06	3.53E-06
7755	436921.5	3761882	1.36E-05	4.65E-05	2.12E-06	7.59E-06	1.14E-06	3.52E-06
7756	436930.3	3761878	1.36E-05	4.64E-05	2.11E-06	7.57E-06	1.14E-06	3.51E-06
7757	436939.2	3761875	1.36E-05	4.62E-05	2.11E-06	7.55E-06	1.13E-06	3.50E-06
7758	436948.1	3761871	1.35E-05	4.61E-05	2.10E-06	7.52E-06	1.13E-06	3.49E-06
7759	436363.8	3762699	1.82E-05	6.2E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
7760	436363.8	3762709	1.82E-05	6.2E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
7761	437373.5	3762894	0.001362	0.004643	2.12E-04	7.58E-04	1.14E-04	3.52E-04
7762	437383.2	3762894	0.001486	0.005066	2.31E-04	8.28E-04	1.24E-04	3.84E-04
7763	437421.8	3762894	0.002337	0.007969	3.63E-04	1.30E-03	1.96E-04	6.04E-04
7764	437431.4	3762894	0.002628	0.008961	4.08E-04	1.46E-03	2.20E-04	6.79E-04
7765	437441.1	3762894	0.002922	0.009963	4.54E-04	1.63E-03	2.45E-04	7.55E-04
7766	437450.7	3762894	0.003206	0.010932	4.98E-04	1.79E-03	2.68E-04	8.28E-04
7767	437460.4	3762894	0.003476	0.011852	5.40E-04	1.94E-03	2.91E-04	8.98E-04
7768	437470	3762894	0.003677	0.012537	5.71E-04	2.05E-03	3.08E-04	9.50E-04
7769	437479.7	3762894	0.003854	0.013141	5.99E-04	2.15E-03	3.23E-04	9.96E-04
7770	437489.3	3762893	0.004006	0.01366	6.22E-04	2.23E-03	3.35E-04	1.04E-03
7771	437499	3762893	0.004088	0.013939	6.35E-04	2.28E-03	3.42E-04	1.06E-03
7772	437508.6	3762893	0.004147	0.01414	6.44E-04	2.31E-03	3.47E-04	1.07E-03
7773	437518.3	3762893	0.004185	0.014269	6.50E-04	2.33E-03	3.50E-04	1.08E-03
7774	437373.5	3762904	0.001076	0.003667	1.67E-04	5.99E-04	9.00E-05	2.78E-04
7775	437383.2	3762904	0.001155	0.00394	1.80E-04	6.44E-04	9.67E-05	2.99E-04
7776	437421.8	3762904	0.001684	0.005741	2.62E-04	9.38E-04	1.41E-04	4.35E-04
7777	437431.4	3762904	0.001878	0.006405	2.92E-04	1.05E-03	1.57E-04	4.85E-04
7778	437441.1	3762904	0.00208	0.007093	3.23E-04	1.16E-03	1.74E-04	5.37E-04
7779	437450.7	3762904	0.002284	0.007788	3.55E-04	1.27E-03	1.91E-04	5.90E-04
7780	437460.4	3762904	0.002483	0.008466	3.86E-04	1.38E-03	2.08E-04	6.42E-04
7781	437470	3762904	0.002644	0.009017	4.11E-04	1.47E-03	2.21E-04	6.83E-04
7782	437479.7	3762904	0.002793	0.009522	4.34E-04	1.56E-03	2.34E-04	7.22E-04
7783	437489.3	3762903	0.002925	0.009976	4.55E-04	1.63E-03	2.45E-04	7.56E-04
7784	437499	3762903	0.003012	0.01027	4.68E-04	1.68E-03	2.52E-04	7.78E-04
7785	437508.6	3762903	0.003083	0.010511	4.79E-04	1.72E-03	2.58E-04	7.96E-04
7786	437518.3	3762903	0.003139	0.010704	4.88E-04	1.75E-03	2.63E-04	8.11E-04
7787	437527.9	3762903	0.003223	0.010989	5.01E-04	1.80E-03	2.70E-04	8.33E-04
7788	437537.6	3762903	0.0033	0.011251	5.13E-04	1.84E-03	2.76E-04	8.53E-04
7789	437547.2	3762903	0.003359	0.011455	5.22E-04	1.87E-03	2.81E-04	8.68E-04
7790	437363.9	3762914	0.000825	0.002814	1.28E-04	4.60E-04	6.91E-05	2.13E-04
7791	437373.6	3762914	0.00088	0.003002	1.37E-04	4.90E-04	7.37E-05	2.27E-04
7792	437383.2	3762914	0.000936	0.003193	1.45E-04	5.22E-04	7.84E-05	2.42E-04
7793	437421.8	3762914	0.001289	0.004394	2.00E-04	7.18E-04	1.08E-04	3.33E-04
7794	437431.5	3762914	0.00142	0.004843	2.21E-04	7.91E-04	1.19E-04	3.67E-04
7795	437441.1	3762914	0.001556	0.005306	2.42E-04	8.67E-04	1.30E-04	4.02E-04
7796	437450.8	3762914	0.001697	0.005786	2.64E-04	9.45E-04	1.42E-04	4.38E-04

7797	437460.4	3762914	0.001839	0.00627	2.86E-04	1.02E-03	1.54E-04	4.75E-04
7798	437470.1	3762914	0.001965	0.006702	3.05E-04	1.09E-03	1.65E-04	5.08E-04
7799	437479.7	3762914	0.002085	0.007111	3.24E-04	1.16E-03	1.75E-04	5.39E-04
7800	437489.4	3762913	0.002198	0.007493	3.41E-04	1.22E-03	1.84E-04	5.68E-04
7801	437499	3762913	0.002278	0.007768	3.54E-04	1.27E-03	1.91E-04	5.89E-04
7802	437508.7	3762913	0.002349	0.00801	3.65E-04	1.31E-03	1.97E-04	6.07E-04
7803	437518.3	3762913	0.002411	0.00822	3.75E-04	1.34E-03	2.02E-04	6.23E-04
7804	437528	3762913	0.002488	0.008484	3.87E-04	1.39E-03	2.08E-04	6.43E-04
7805	437537.6	3762913	0.00256	0.008729	3.98E-04	1.43E-03	2.14E-04	6.61E-04
7806	437547.3	3762913	0.002619	0.008931	4.07E-04	1.46E-03	2.19E-04	6.77E-04
7807	437363.9	3762924	0.000696	0.002372	1.08E-04	3.87E-04	5.82E-05	1.80E-04
7808	437373.6	3762924	0.000735	0.002508	1.14E-04	4.10E-04	6.16E-05	1.90E-04
7809	437383.2	3762924	0.000777	0.002648	1.21E-04	4.33E-04	6.50E-05	2.01E-04
7810	437421.8	3762924	0.001025	0.003493	1.59E-04	5.71E-04	8.58E-05	2.65E-04
7811	437431.5	3762924	0.001115	0.003804	1.73E-04	6.21E-04	9.34E-05	2.88E-04
7812	437441.1	3762924	0.001207	0.004117	1.88E-04	6.73E-04	1.01E-04	3.12E-04
7813	437450.8	3762924	0.001304	0.004448	2.03E-04	7.27E-04	1.09E-04	3.37E-04
7814	437460.4	3762924	0.001405	0.004791	2.18E-04	7.83E-04	1.18E-04	3.63E-04
7815	437470.1	3762924	0.001502	0.005123	2.33E-04	8.37E-04	1.26E-04	3.88E-04
7816	437479.7	3762924	0.001598	0.00545	2.48E-04	8.90E-04	1.34E-04	4.13E-04
7817	437489.4	3762923	0.00169	0.005764	2.63E-04	9.42E-04	1.41E-04	4.37E-04
7818	437373.6	3762934	0.000624	0.002127	9.69E-05	3.48E-04	5.22E-05	1.61E-04
7819	437383.3	3762934	0.000655	0.002235	1.02E-04	3.65E-04	5.49E-05	1.69E-04
7820	437421.9	3762934	0.000833	0.002841	1.29E-04	4.64E-04	6.97E-05	2.15E-04
7821	437431.5	3762934	0.000896	0.003055	1.39E-04	4.99E-04	7.50E-05	2.32E-04
7822	437441.2	3762934	0.00096	0.003275	1.49E-04	5.35E-04	8.04E-05	2.48E-04
7823	437450.8	3762934	0.00103	0.003512	1.60E-04	5.74E-04	8.62E-05	2.66E-04
7824	437460.5	3762934	0.001104	0.003763	1.71E-04	6.15E-04	9.24E-05	2.85E-04
7825	437470.1	3762934	0.001176	0.004011	1.83E-04	6.55E-04	9.85E-05	3.04E-04
7826	437355.9	3762940	0.000516	0.001761	8.02E-05	2.88E-04	4.32E-05	1.33E-04
7827	437323.5	3762927	0.000509	0.001735	7.90E-05	2.83E-04	4.26E-05	1.31E-04
7828	437303.9	3762912	0.000526	0.001793	8.17E-05	2.93E-04	4.40E-05	1.36E-04
7829	437373.6	3762944	0.000536	0.001828	8.33E-05	2.99E-04	4.49E-05	1.38E-04
7830	437383.3	3762944	0.000561	0.001913	8.72E-05	3.13E-04	4.70E-05	1.45E-04
7831	437421.9	3762944	0.000687	0.002343	1.07E-04	3.83E-04	5.75E-05	1.78E-04
7832	437431.5	3762944	0.000729	0.002485	1.13E-04	4.06E-04	6.10E-05	1.88E-04
7833	437441.2	3762944	0.000777	0.00265	1.21E-04	4.33E-04	6.50E-05	2.01E-04
7834	437450.8	3762944	0.00083	0.002831	1.29E-04	4.62E-04	6.95E-05	2.14E-04
7835	437460.5	3762944	0.000888	0.003026	1.38E-04	4.94E-04	7.43E-05	2.29E-04
7836	437470.1	3762944	0.00094	0.003205	1.46E-04	5.24E-04	7.87E-05	2.43E-04
7837	437518.4	3762943	0.001209	0.004121	1.88E-04	6.73E-04	1.01E-04	3.12E-04
7838	437356	3762950	0.000451	0.001538	7.01E-05	2.51E-04	3.77E-05	1.17E-04
7839	437340.1	3762944	0.000454	0.001547	7.05E-05	2.53E-04	3.80E-05	1.17E-04
7840	437324.1	3762937	0.000451	0.001536	7.00E-05	2.51E-04	3.77E-05	1.16E-04
7841	437308.2	3762931	0.000441	0.001505	6.86E-05	2.46E-04	3.69E-05	1.14E-04
7842	437296.9	3762919	0.000462	0.001574	7.17E-05	2.57E-04	3.86E-05	1.19E-04
7843	437373.6	3762954	0.000465	0.001587	7.23E-05	2.59E-04	3.89E-05	1.20E-04
7844	437383.3	3762954	0.000486	0.001657	7.55E-05	2.71E-04	4.07E-05	1.26E-04
7845	437421.9	3762954	0.000577	0.001968	8.97E-05	3.22E-04	4.83E-05	1.49E-04
7846	437431.5	3762954	0.000605	0.002064	9.41E-05	3.37E-04	5.07E-05	1.56E-04
7847	437441.2	3762954	0.000642	0.002191	9.98E-05	3.58E-04	5.38E-05	1.66E-04
7848	437450.8	3762954	0.000684	0.002332	1.06E-04	3.81E-04	5.72E-05	1.77E-04

7849	437460.5	3762954	0.000729	0.002486	1.13E-04	4.06E-04	6.10E-05	1.88E-04
7850	437470.1	3762954	0.000767	0.002614	1.19E-04	4.27E-04	6.42E-05	1.98E-04
7851	437499.1	3762953	0.000894	0.003047	1.39E-04	4.98E-04	7.48E-05	2.31E-04
7852	437508.7	3762953	0.000941	0.003207	1.46E-04	5.24E-04	7.87E-05	2.43E-04
7853	437518.4	3762953	0.000987	0.003367	1.53E-04	5.50E-04	8.26E-05	2.55E-04
7854	437528.1	3762953	0.001035	0.003528	1.61E-04	5.76E-04	8.66E-05	2.67E-04
7855	437537.7	3762953	0.001081	0.003686	1.68E-04	6.02E-04	9.05E-05	2.79E-04
7856	437547.4	3762953	0.001125	0.003837	1.75E-04	6.27E-04	9.42E-05	2.91E-04
7857	437355.2	3762960	0.000397	0.001354	6.17E-05	2.21E-04	3.32E-05	1.03E-04
7858	437346.3	3762956	0.000399	0.001362	6.21E-05	2.22E-04	3.34E-05	1.03E-04
7859	437337.4	3762953	0.000401	0.001367	6.23E-05	2.23E-04	3.36E-05	1.04E-04
7860	437328.6	3762949	0.000401	0.001367	6.23E-05	2.23E-04	3.36E-05	1.04E-04
7861	437319.7	3762945	0.0004	0.001362	6.21E-05	2.23E-04	3.34E-05	1.03E-04
7862	437310.9	3762942	0.000397	0.001352	6.16E-05	2.21E-04	3.32E-05	1.02E-04
7863	437302	3762938	0.000392	0.001336	6.09E-05	2.18E-04	3.28E-05	1.01E-04
7864	437289.5	3762926	0.000412	0.001403	6.39E-05	2.29E-04	3.44E-05	1.06E-04
7865	437285.8	3762917	0.000436	0.001487	6.78E-05	2.43E-04	3.65E-05	1.13E-04
7866	437364	3762964	0.000394	0.001343	6.12E-05	2.19E-04	3.30E-05	1.02E-04
7867	437373.7	3762964	0.000408	0.001393	6.35E-05	2.28E-04	3.42E-05	1.06E-04
7868	437383.3	3762964	0.000425	0.001449	6.60E-05	2.37E-04	3.56E-05	1.10E-04
7869	437393	3762964	0.000442	0.001507	6.87E-05	2.46E-04	3.70E-05	1.14E-04
7870	437421.9	3762964	0.000493	0.00168	7.65E-05	2.74E-04	4.12E-05	1.27E-04
7871	437431.6	3762964	0.000513	0.001748	7.97E-05	2.86E-04	4.29E-05	1.32E-04
7872	437441.2	3762964	0.000541	0.001845	8.41E-05	3.01E-04	4.53E-05	1.40E-04
7873	437450.9	3762964	0.000573	0.001952	8.90E-05	3.19E-04	4.79E-05	1.48E-04
7874	437460.5	3762964	0.000607	0.002071	9.44E-05	3.38E-04	5.08E-05	1.57E-04
7875	437470.2	3762964	0.000636	0.002167	9.88E-05	3.54E-04	5.32E-05	1.64E-04
7876	437499.1	3762963	0.000737	0.002512	1.14E-04	4.10E-04	6.17E-05	1.90E-04
7877	437508.8	3762963	0.000776	0.002648	1.21E-04	4.33E-04	6.50E-05	2.01E-04
7878	437518.4	3762963	0.000817	0.002786	1.27E-04	4.55E-04	6.84E-05	2.11E-04
7879	437528.1	3762963	0.000857	0.002922	1.33E-04	4.77E-04	7.17E-05	2.21E-04
7880	437537.7	3762963	0.000896	0.003056	1.39E-04	4.99E-04	7.50E-05	2.32E-04
7881	437547.4	3762963	0.000935	0.003188	1.45E-04	5.21E-04	7.82E-05	2.42E-04
7882	437355.6	3762980	0.000313	0.001068	4.87E-05	1.75E-04	2.62E-05	8.10E-05
7883	437347.1	3762977	0.000316	0.001078	4.91E-05	1.76E-04	2.64E-05	8.16E-05
7884	437338.5	3762973	0.000318	0.001085	4.94E-05	1.77E-04	2.66E-05	8.22E-05
7885	437330	3762970	0.00032	0.00109	4.97E-05	1.78E-04	2.68E-05	8.26E-05
7886	437321.5	3762966	0.000321	0.001093	4.98E-05	1.79E-04	2.68E-05	8.28E-05
7887	437313	3762963	0.00032	0.001093	4.98E-05	1.79E-04	2.68E-05	8.28E-05
7888	437304.5	3762959	0.000319	0.001089	4.96E-05	1.78E-04	2.67E-05	8.26E-05
7889	437296	3762956	0.000318	0.001083	4.93E-05	1.77E-04	2.66E-05	8.20E-05
7890	437287.5	3762952	0.000315	0.001073	4.89E-05	1.75E-04	2.63E-05	8.13E-05
7891	437275.5	3762940	0.000329	0.001122	5.11E-05	1.83E-04	2.75E-05	8.50E-05
7892	437272	3762932	0.000347	0.001184	5.40E-05	1.93E-04	2.91E-05	8.97E-05
7893	437364.1	3762984	0.00031	0.001058	4.82E-05	1.73E-04	2.60E-05	8.01E-05
7894	437373.7	3762984	0.000321	0.001093	4.98E-05	1.79E-04	2.68E-05	8.29E-05
7895	437383.4	3762984	0.000332	0.001131	5.15E-05	1.85E-04	2.78E-05	8.57E-05
7896	437393	3762984	0.000342	0.001167	5.32E-05	1.91E-04	2.87E-05	8.84E-05
7897	437422	3762984	0.000373	0.001271	5.79E-05	2.08E-04	3.12E-05	9.63E-05
7898	437431.6	3762984	0.000385	0.001311	5.98E-05	2.14E-04	3.22E-05	9.94E-05
7899	437441.3	3762984	0.0004	0.001365	6.22E-05	2.23E-04	3.35E-05	1.03E-04
7900	437450.9	3762984	0.000417	0.001424	6.49E-05	2.33E-04	3.49E-05	1.08E-04

7901	437460.6	3762984	0.000436	0.001488	6.78E-05	2.43E-04	3.65E-05	1.13E-04
7902	437470.2	3762984	0.000456	0.001554	7.08E-05	2.54E-04	3.81E-05	1.18E-04
7903	437499.2	3762983	0.000525	0.001789	8.15E-05	2.92E-04	4.39E-05	1.36E-04
7904	437508.8	3762983	0.000551	0.00188	8.57E-05	3.07E-04	4.61E-05	1.42E-04
7905	437518.5	3762983	0.000579	0.001975	9.00E-05	3.23E-04	4.85E-05	1.50E-04
7906	437528.1	3762983	0.000605	0.002063	9.40E-05	3.37E-04	5.06E-05	1.56E-04
7907	437537.8	3762983	0.000631	0.002151	9.80E-05	3.51E-04	5.28E-05	1.63E-04
7908	437547.4	3762983	0.000657	0.00224	1.02E-04	3.66E-04	5.50E-05	1.70E-04
7909	437355.8	3763000	0.000252	0.000861	3.92E-05	1.41E-04	2.11E-05	6.52E-05
7910	437339.3	3762994	0.000257	0.000877	4.00E-05	1.43E-04	2.15E-05	6.65E-05
7911	437322.8	3762987	0.000261	0.000889	4.05E-05	1.45E-04	2.18E-05	6.73E-05
7912	437306.2	3762980	0.000262	0.000894	4.07E-05	1.46E-04	2.19E-05	6.77E-05
7913	437289.7	3762973	0.000261	0.000892	4.06E-05	1.46E-04	2.19E-05	6.76E-05
7914	437273.2	3762966	0.000258	0.000881	4.01E-05	1.44E-04	2.16E-05	6.67E-05
7915	437261.5	3762955	0.000269	0.000918	4.18E-05	1.50E-04	2.25E-05	6.96E-05
7916	437373.7	3763004	0.000257	0.000876	3.99E-05	1.43E-04	2.15E-05	6.64E-05
7917	437383.4	3763004	0.000264	0.000901	4.11E-05	1.47E-04	2.21E-05	6.83E-05
7918	437393	3763004	0.000272	0.000927	4.22E-05	1.51E-04	2.28E-05	7.03E-05
7919	437422	3763004	0.000293	0.001001	4.56E-05	1.63E-04	2.46E-05	7.58E-05
7920	437431.6	3763004	0.000302	0.00103	4.69E-05	1.68E-04	2.53E-05	7.80E-05
7921	437441.3	3763004	0.000312	0.001064	4.85E-05	1.74E-04	2.61E-05	8.06E-05
7922	437450.9	3763004	0.000323	0.001101	5.02E-05	1.80E-04	2.70E-05	8.34E-05
7923	437460.6	3763004	0.000335	0.001142	5.20E-05	1.87E-04	2.80E-05	8.65E-05
7924	437470.3	3763004	0.000347	0.001183	5.39E-05	1.93E-04	2.90E-05	8.96E-05
7925	437499.2	3763003	0.000391	0.001333	6.08E-05	2.18E-04	3.27E-05	1.01E-04
7926	437508.9	3763003	0.000409	0.001394	6.35E-05	2.28E-04	3.42E-05	1.06E-04
7927	437518.5	3763003	0.000428	0.001459	6.65E-05	2.38E-04	3.58E-05	1.11E-04
7928	437528.2	3763003	0.000446	0.001522	6.94E-05	2.49E-04	3.74E-05	1.15E-04
7929	437537.8	3763003	0.000465	0.001587	7.23E-05	2.59E-04	3.90E-05	1.20E-04
7930	437547.5	3763003	0.000485	0.001654	7.54E-05	2.70E-04	4.06E-05	1.25E-04
7931	437355.4	3763020	0.000207	0.000707	3.22E-05	1.15E-04	1.73E-05	5.35E-05
7932	437346.7	3763017	0.000209	0.000714	3.26E-05	1.17E-04	1.75E-05	5.41E-05
7933	437338	3763013	0.000212	0.000722	3.29E-05	1.18E-04	1.77E-05	5.47E-05
7934	437329.3	3763009	0.000213	0.000728	3.32E-05	1.19E-04	1.79E-05	5.52E-05
7935	437320.5	3763006	0.000215	0.000734	3.34E-05	1.20E-04	1.80E-05	5.56E-05
7936	437311.8	3763002	0.000217	0.000738	3.36E-05	1.21E-04	1.81E-05	5.60E-05
7937	437303.1	3762999	0.000218	0.000742	3.38E-05	1.21E-04	1.82E-05	5.62E-05
7938	437294.4	3762995	0.000218	0.000744	3.39E-05	1.22E-04	1.83E-05	5.64E-05
7939	437285.7	3762991	0.000218	0.000745	3.39E-05	1.22E-04	1.83E-05	5.64E-05
7940	437276.9	3762988	0.000218	0.000744	3.39E-05	1.21E-04	1.83E-05	5.63E-05
7941	437268.2	3762984	0.000217	0.000741	3.37E-05	1.21E-04	1.82E-05	5.61E-05
7942	437259.5	3762981	0.000216	0.000736	3.35E-05	1.20E-04	1.81E-05	5.58E-05
7943	437218.3	3762899	0.000306	0.001044	4.76E-05	1.71E-04	2.56E-05	7.91E-05
7944	437364.1	3763024	0.000205	0.000698	3.18E-05	1.14E-04	1.71E-05	5.29E-05
7945	437373.8	3763024	0.00021	0.000716	3.26E-05	1.17E-04	1.76E-05	5.42E-05
7946	437383.4	3763024	0.000215	0.000734	3.34E-05	1.20E-04	1.80E-05	5.56E-05
7947	437393.1	3763024	0.000221	0.000752	3.43E-05	1.23E-04	1.85E-05	5.70E-05
7948	437422	3763024	0.000238	0.000811	3.70E-05	1.33E-04	1.99E-05	6.15E-05
7949	437431.7	3763024	0.000245	0.000834	3.80E-05	1.36E-04	2.05E-05	6.32E-05
7950	437441.3	3763024	0.000252	0.000858	3.91E-05	1.40E-04	2.11E-05	6.50E-05
7951	437451	3763024	0.000259	0.000883	4.03E-05	1.44E-04	2.17E-05	6.69E-05
7952	437355.7	3763040	0.000172	0.000588	2.68E-05	9.61E-05	1.44E-05	4.46E-05

7953	437347.2	3763037	0.000174	0.000595	2.71E-05	9.71E-05	1.46E-05	4.51E-05
7954	437338.7	3763033	0.000176	0.000601	2.74E-05	9.82E-05	1.48E-05	4.55E-05
7955	437330.2	3763030	0.000178	0.000607	2.77E-05	9.91E-05	1.49E-05	4.60E-05
7956	437321.7	3763026	0.00018	0.000612	2.79E-05	1.00E-04	1.50E-05	4.64E-05
7957	437313.2	3763023	0.000181	0.000617	2.81E-05	1.01E-04	1.52E-05	4.68E-05
7958	437304.7	3763019	0.000182	0.000619	2.82E-05	1.01E-04	1.52E-05	4.69E-05
7959	437296.2	3763016	0.000183	0.000624	2.84E-05	1.02E-04	1.53E-05	4.73E-05
7960	437287.7	3763012	0.000184	0.000628	2.86E-05	1.03E-04	1.54E-05	4.76E-05
7961	437279.2	3763009	0.000184	0.000629	2.87E-05	1.03E-04	1.54E-05	4.77E-05
7962	437270.7	3763005	0.000185	0.000629	2.87E-05	1.03E-04	1.55E-05	4.77E-05
7963	437262.2	3763002	0.000184	0.000629	2.86E-05	1.03E-04	1.54E-05	4.76E-05
7964	437219	3762949	0.000225	0.000769	3.50E-05	1.26E-04	1.89E-05	5.83E-05
7965	437215.5	3762940	0.000234	0.000797	3.63E-05	1.30E-04	1.96E-05	6.04E-05
7966	437212	3762932	0.000241	0.000823	3.75E-05	1.35E-04	2.02E-05	6.24E-05
7967	437208.5	3762923	0.000249	0.000848	3.87E-05	1.39E-04	2.08E-05	6.43E-05
7968	437204.9	3762915	0.000255	0.000871	3.97E-05	1.42E-04	2.14E-05	6.60E-05
7969	437201.4	3762906	0.000261	0.000891	4.06E-05	1.46E-04	2.19E-05	6.75E-05
7970	437197.9	3762898	0.000267	0.000909	4.14E-05	1.48E-04	2.23E-05	6.89E-05
7971	437364.2	3763044	0.00017	0.000581	2.65E-05	9.50E-05	1.43E-05	4.41E-05
7972	437373.8	3763044	0.000174	0.000594	2.71E-05	9.71E-05	1.46E-05	4.50E-05
7973	437383.5	3763044	0.000178	0.000608	2.77E-05	9.93E-05	1.49E-05	4.60E-05
7974	437393.1	3763044	0.000182	0.000621	2.83E-05	1.02E-04	1.53E-05	4.71E-05
7975	437460.7	3763044	0.000216	0.000736	3.35E-05	1.20E-04	1.81E-05	5.58E-05
7976	437470.3	3763044	0.000221	0.000753	3.43E-05	1.23E-04	1.85E-05	5.71E-05
7977	437480	3763044	0.000226	0.000772	3.52E-05	1.26E-04	1.89E-05	5.85E-05
7978	437489.6	3763043	0.000232	0.000792	3.61E-05	1.29E-04	1.94E-05	6.00E-05
7979	437499.3	3763043	0.000241	0.000823	3.75E-05	1.34E-04	2.02E-05	6.23E-05
7980	437508.9	3763043	0.000251	0.000856	3.90E-05	1.40E-04	2.10E-05	6.49E-05
7981	437518.6	3763043	0.000262	0.000893	4.07E-05	1.46E-04	2.19E-05	6.77E-05
7982	437528.2	3763043	0.000271	0.000924	4.21E-05	1.51E-04	2.27E-05	7.00E-05
7983	437537.9	3763043	0.00028	0.000955	4.35E-05	1.56E-04	2.34E-05	7.24E-05
7984	437547.5	3763043	0.00029	0.000989	4.50E-05	1.62E-04	2.43E-05	7.49E-05
7985	437355.4	3763060	0.000146	0.000496	2.26E-05	8.11E-05	1.22E-05	3.76E-05
7986	437346.5	3763056	0.000147	0.000502	2.29E-05	8.21E-05	1.23E-05	3.81E-05
7987	437337.7	3763053	0.000149	0.000508	2.31E-05	8.30E-05	1.25E-05	3.85E-05
7988	437328.8	3763049	0.000151	0.000514	2.34E-05	8.39E-05	1.26E-05	3.89E-05
7989	437319.9	3763045	0.000152	0.000519	2.36E-05	8.48E-05	1.27E-05	3.93E-05
7990	437311.1	3763042	0.000154	0.000524	2.39E-05	8.56E-05	1.29E-05	3.97E-05
7991	437302.2	3763038	0.000155	0.000528	2.41E-05	8.62E-05	1.30E-05	4.00E-05
7992	437293.4	3763035	0.000156	0.000531	2.42E-05	8.68E-05	1.30E-05	4.03E-05
7993	437284.5	3763031	0.000157	0.000535	2.44E-05	8.73E-05	1.31E-05	4.05E-05
7994	437275.7	3763027	0.000157	0.000537	2.45E-05	8.77E-05	1.32E-05	4.07E-05
7995	437266.8	3763024	0.000158	0.000538	2.45E-05	8.80E-05	1.32E-05	4.08E-05
7996	437258	3763020	0.000158	0.000539	2.46E-05	8.81E-05	1.32E-05	4.08E-05
7997	437218.9	3762996	0.000164	0.000558	2.54E-05	9.11E-05	1.37E-05	4.23E-05
7998	437215.2	3762988	0.000171	0.000583	2.66E-05	9.53E-05	1.43E-05	4.42E-05
7999	437211.5	3762979	0.000179	0.000609	2.77E-05	9.94E-05	1.49E-05	4.61E-05
8000	437207.8	3762970	0.000186	0.000634	2.89E-05	1.04E-04	1.56E-05	4.80E-05
8001	437204.2	3762961	0.000193	0.000659	3.00E-05	1.08E-04	1.62E-05	4.99E-05
8002	437200.5	3762952	0.0002	0.000683	3.11E-05	1.12E-04	1.68E-05	5.17E-05
8003	437196.8	3762943	0.000207	0.000705	3.21E-05	1.15E-04	1.73E-05	5.35E-05
8004	437193.2	3762935	0.000213	0.000727	3.31E-05	1.19E-04	1.78E-05	5.51E-05

8005	437189.5	3762926	0.000219	0.000747	3.40E-05	1.22E-04	1.83E-05	5.66E-05
8006	437185.8	3762917	0.000224	0.000765	3.49E-05	1.25E-04	1.88E-05	5.80E-05
8007	437182.2	3762908	0.000229	0.000781	3.56E-05	1.28E-04	1.92E-05	5.92E-05
8008	437364.2	3763064	0.000144	0.00049	2.23E-05	8.01E-05	1.20E-05	3.72E-05
8009	437373.9	3763064	0.000147	0.0005	2.28E-05	8.17E-05	1.23E-05	3.79E-05
8010	437383.5	3763064	0.00015	0.00051	2.33E-05	8.34E-05	1.25E-05	3.87E-05
8011	437393.2	3763064	0.000153	0.000521	2.37E-05	8.51E-05	1.28E-05	3.95E-05
8012	437402.8	3763064	0.000156	0.000532	2.43E-05	8.69E-05	1.31E-05	4.03E-05
8013	437441.4	3763064	0.00017	0.000581	2.65E-05	9.50E-05	1.43E-05	4.40E-05
8014	437451.1	3763064	0.000175	0.000595	2.71E-05	9.72E-05	1.46E-05	4.51E-05
8015	437460.7	3763064	0.000178	0.000607	2.77E-05	9.91E-05	1.49E-05	4.60E-05
8016	437470.4	3763064	0.000182	0.000619	2.82E-05	1.01E-04	1.52E-05	4.69E-05
8017	437480	3763064	0.000186	0.000633	2.88E-05	1.03E-04	1.55E-05	4.79E-05
8018	437489.7	3763063	0.00019	0.000647	2.95E-05	1.06E-04	1.59E-05	4.91E-05
8019	437499.3	3763063	0.000196	0.000669	3.05E-05	1.09E-04	1.64E-05	5.07E-05
8020	437509	3763063	0.000203	0.000692	3.15E-05	1.13E-04	1.70E-05	5.25E-05
8021	437518.6	3763063	0.00021	0.000718	3.27E-05	1.17E-04	1.76E-05	5.44E-05
8022	437528.3	3763063	0.000217	0.00074	3.37E-05	1.21E-04	1.82E-05	5.61E-05
8023	437537.9	3763063	0.000224	0.000764	3.48E-05	1.25E-04	1.88E-05	5.79E-05
8024	437547.6	3763063	0.000231	0.000789	3.60E-05	1.29E-04	1.94E-05	5.98E-05
8025	437355.6	3763080	0.000124	0.000424	1.93E-05	6.92E-05	1.04E-05	3.21E-05
8026	437346.9	3763077	0.000126	0.000429	1.95E-05	7.00E-05	1.05E-05	3.25E-05
8027	437338.3	3763073	0.000127	0.000434	1.98E-05	7.08E-05	1.06E-05	3.29E-05
8028	437329.6	3763069	0.000129	0.000438	2.00E-05	7.16E-05	1.08E-05	3.32E-05
8029	437321	3763066	0.00013	0.000443	2.02E-05	7.24E-05	1.09E-05	3.36E-05
8030	437312.3	3763062	0.000131	0.000447	2.04E-05	7.31E-05	1.10E-05	3.39E-05
8031	437303.6	3763059	0.000132	0.000451	2.06E-05	7.38E-05	1.11E-05	3.42E-05
8032	437295	3763055	0.000133	0.000455	2.07E-05	7.43E-05	1.12E-05	3.45E-05
8033	437286.3	3763052	0.000134	0.000458	2.09E-05	7.49E-05	1.12E-05	3.47E-05
8034	437277.7	3763048	0.000135	0.000461	2.10E-05	7.53E-05	1.13E-05	3.49E-05
8035	437269	3763044	0.000136	0.000463	2.11E-05	7.57E-05	1.14E-05	3.51E-05
8036	437260.4	3763041	0.000136	0.000465	2.12E-05	7.60E-05	1.14E-05	3.52E-05
8037	437217.1	3763023	0.000136	0.000464	2.12E-05	7.59E-05	1.14E-05	3.52E-05
8038	437204.8	3763011	0.000141	0.000482	2.20E-05	7.88E-05	1.18E-05	3.65E-05
8039	437201.2	3763002	0.000147	0.000503	2.29E-05	8.21E-05	1.23E-05	3.81E-05
8040	437197.6	3762994	0.000154	0.000523	2.39E-05	8.55E-05	1.29E-05	3.97E-05
8041	437194	3762985	0.00016	0.000544	2.48E-05	8.89E-05	1.34E-05	4.12E-05
8042	437190.5	3762976	0.000165	0.000564	2.57E-05	9.21E-05	1.38E-05	4.27E-05
8043	437186.9	3762968	0.000171	0.000584	2.66E-05	9.54E-05	1.43E-05	4.42E-05
8044	437183.3	3762959	0.000177	0.000603	2.75E-05	9.85E-05	1.48E-05	4.57E-05
8045	437364.3	3763084	0.000123	0.000419	1.91E-05	6.84E-05	1.03E-05	3.17E-05
8046	437373.9	3763084	0.000125	0.000426	1.94E-05	6.96E-05	1.05E-05	3.23E-05
8047	437383.6	3763084	0.000127	0.000434	1.98E-05	7.10E-05	1.07E-05	3.29E-05
8048	437393.2	3763084	0.00013	0.000443	2.02E-05	7.23E-05	1.09E-05	3.35E-05
8049	437480.1	3763084	0.000155	0.000528	2.41E-05	8.63E-05	1.30E-05	4.00E-05
8050	437489.7	3763083	0.000158	0.000539	2.46E-05	8.81E-05	1.32E-05	4.08E-05
8051	437499.4	3763083	0.000162	0.000554	2.52E-05	9.05E-05	1.36E-05	4.20E-05
8052	437509	3763083	0.000167	0.00057	2.60E-05	9.31E-05	1.40E-05	4.32E-05
8053	437518.7	3763083	0.000172	0.000587	2.67E-05	9.59E-05	1.44E-05	4.45E-05
8054	437528.3	3763083	0.000177	0.000605	2.75E-05	9.88E-05	1.48E-05	4.58E-05
8055	437538	3763083	0.000183	0.000623	2.84E-05	1.02E-04	1.53E-05	4.72E-05
8056	437547.6	3763083	0.000189	0.000643	2.93E-05	1.05E-04	1.58E-05	4.88E-05

8057	437355.8	3763100	0.000107	0.000365	1.67E-05	5.97E-05	8.97E-06	2.77E-05
8058	437347.3	3763097	0.000108	0.000369	1.68E-05	6.04E-05	9.07E-06	2.80E-05
8059	437338.8	3763093	0.00011	0.000374	1.70E-05	6.10E-05	9.17E-06	2.83E-05
8060	437330.3	3763090	0.000111	0.000378	1.72E-05	6.17E-05	9.27E-06	2.86E-05
8061	437321.8	3763086	0.000112	0.000382	1.74E-05	6.23E-05	9.37E-06	2.89E-05
8062	437313.3	3763083	0.000113	0.000386	1.76E-05	6.30E-05	9.46E-06	2.92E-05
8063	437304.8	3763079	0.000114	0.000389	1.77E-05	6.36E-05	9.55E-06	2.95E-05
8064	437296.3	3763076	0.000115	0.000393	1.79E-05	6.42E-05	9.64E-06	2.98E-05
8065	437287.8	3763072	0.000116	0.000396	1.80E-05	6.47E-05	9.72E-06	3.00E-05
8066	437279.3	3763069	0.000117	0.000399	1.82E-05	6.52E-05	9.79E-06	3.02E-05
8067	437270.8	3763065	0.000118	0.000401	1.83E-05	6.56E-05	9.85E-06	3.04E-05
8068	437262.3	3763062	0.000118	0.000404	1.84E-05	6.59E-05	9.90E-06	3.06E-05
8069	437253.8	3763058	0.000119	0.000405	1.85E-05	6.62E-05	9.95E-06	3.07E-05
8070	437245.3	3763055	0.000119	0.000407	1.85E-05	6.64E-05	9.98E-06	3.08E-05
8071	437219.8	3763044	0.00012	0.000408	1.86E-05	6.66E-05	1.00E-05	3.09E-05
8072	437211.3	3763041	0.000119	0.000407	1.86E-05	6.65E-05	1.00E-05	3.09E-05
8073	437202.8	3763037	0.000119	0.000406	1.85E-05	6.63E-05	9.97E-06	3.08E-05
8074	437190.8	3763025	0.000123	0.000421	1.92E-05	6.87E-05	1.03E-05	3.19E-05
8075	437187.2	3763017	0.000128	0.000438	1.99E-05	7.15E-05	1.07E-05	3.32E-05
8076	437183.7	3763008	0.000133	0.000455	2.07E-05	7.43E-05	1.12E-05	3.44E-05
8077	437180.2	3763000	0.000138	0.000471	2.15E-05	7.70E-05	1.16E-05	3.57E-05
8078	437144.9	3762915	0.000179	0.000609	2.78E-05	9.96E-05	1.50E-05	4.62E-05
8079	437141.4	3762906	0.00018	0.000614	2.80E-05	1.00E-04	1.51E-05	4.65E-05
8080	437364.3	3763104	0.000106	0.000361	1.65E-05	5.90E-05	8.87E-06	2.74E-05
8081	437374	3763104	0.000108	0.000367	1.67E-05	6.00E-05	9.02E-06	2.78E-05
8082	437383.6	3763104	0.00011	0.000374	1.70E-05	6.11E-05	9.17E-06	2.83E-05
8083	437422.2	3763104	0.000118	0.000402	1.83E-05	6.56E-05	9.86E-06	3.04E-05
8084	437431.9	3763104	0.00012	0.00041	1.87E-05	6.69E-05	1.01E-05	3.10E-05
8085	437441.5	3763104	0.000122	0.000417	1.90E-05	6.82E-05	1.02E-05	3.16E-05
8086	437451.2	3763104	0.000125	0.000426	1.94E-05	6.96E-05	1.05E-05	3.23E-05
8087	437499.4	3763103	0.000137	0.000468	2.13E-05	7.65E-05	1.15E-05	3.55E-05
8088	437509.1	3763103	0.000141	0.000482	2.20E-05	7.88E-05	1.18E-05	3.65E-05
8089	437518.7	3763103	0.000146	0.000497	2.26E-05	8.12E-05	1.22E-05	3.77E-05
8090	437528.4	3763103	0.000149	0.000509	2.32E-05	8.32E-05	1.25E-05	3.86E-05
8091	437538	3763103	0.000153	0.000522	2.38E-05	8.52E-05	1.28E-05	3.95E-05
8092	437547.7	3763103	0.000157	0.000535	2.44E-05	8.74E-05	1.31E-05	4.05E-05
8093	437355.6	3763120	9.34E-05	0.000318	1.45E-05	5.20E-05	7.82E-06	2.41E-05
8094	437346.8	3763117	9.44E-05	0.000322	1.47E-05	5.26E-05	7.90E-06	2.44E-05
8095	437338	3763113	9.54E-05	0.000325	1.48E-05	5.31E-05	7.98E-06	2.46E-05
8096	437329.3	3763109	9.64E-05	0.000329	1.50E-05	5.37E-05	8.07E-06	2.49E-05
8097	437320.5	3763106	9.74E-05	0.000332	1.51E-05	5.43E-05	8.15E-06	2.52E-05
8098	437311.7	3763102	9.84E-05	0.000336	1.53E-05	5.48E-05	8.24E-06	2.54E-05
8099	437302.9	3763098	9.94E-05	0.000339	1.54E-05	5.54E-05	8.32E-06	2.57E-05
8100	437294.2	3763095	0.0001	0.000342	1.56E-05	5.59E-05	8.40E-06	2.59E-05
8101	437285.4	3763091	0.000101	0.000345	1.57E-05	5.64E-05	8.48E-06	2.62E-05
8102	437276.6	3763088	0.000102	0.000348	1.59E-05	5.69E-05	8.55E-06	2.64E-05
8103	437267.9	3763084	0.000103	0.000351	1.60E-05	5.73E-05	8.62E-06	2.66E-05
8104	437259.1	3763080	0.000104	0.000353	1.61E-05	5.77E-05	8.67E-06	2.68E-05
8105	437250.3	3763077	0.000104	0.000355	1.62E-05	5.80E-05	8.72E-06	2.69E-05
8106	437241.5	3763073	0.000105	0.000357	1.63E-05	5.83E-05	8.76E-06	2.71E-05
8107	437232.8	3763069	0.000105	0.000358	1.63E-05	5.85E-05	8.80E-06	2.72E-05
8108	437224	3763066	0.000105	0.000359	1.64E-05	5.87E-05	8.82E-06	2.72E-05

8109	437215.2	3763062	0.000105	0.00036	1.64E-05	5.88E-05	8.83E-06	2.73E-05
8110	437206.5	3763059	0.000105	0.00036	1.64E-05	5.88E-05	8.83E-06	2.73E-05
8111	437197.7	3763055	0.000105	0.000359	1.64E-05	5.87E-05	8.82E-06	2.72E-05
8112	437188.9	3763051	0.000105	0.000358	1.63E-05	5.85E-05	8.80E-06	2.72E-05
8113	437143.8	3762960	0.000146	0.000497	2.27E-05	8.12E-05	1.22E-05	3.77E-05
8114	437140.2	3762951	0.000149	0.000509	2.32E-05	8.31E-05	1.25E-05	3.86E-05
8115	437136.5	3762943	0.000152	0.00052	2.37E-05	8.49E-05	1.28E-05	3.94E-05
8116	437132.9	3762934	0.000155	0.000529	2.41E-05	8.65E-05	1.30E-05	4.01E-05
8117	437129.3	3762925	0.000158	0.000538	2.45E-05	8.79E-05	1.32E-05	4.08E-05
8118	437125.6	3762916	0.00016	0.000546	2.49E-05	8.91E-05	1.34E-05	4.13E-05
8119	437122	3762908	0.000161	0.00055	2.51E-05	8.99E-05	1.35E-05	4.17E-05
8120	437118.3	3762899	0.000162	0.000554	2.52E-05	9.05E-05	1.36E-05	4.20E-05
8121	437364.3	3763124	9.24E-05	0.000315	1.44E-05	5.15E-05	7.73E-06	2.39E-05
8122	437374	3763124	9.38E-05	0.00032	1.46E-05	5.23E-05	7.85E-06	2.42E-05
8123	437383.6	3763124	9.53E-05	0.000325	1.48E-05	5.31E-05	7.98E-06	2.46E-05
8124	437422.2	3763124	0.000102	0.000347	1.58E-05	5.68E-05	8.53E-06	2.63E-05
8125	437431.9	3763124	0.000104	0.000354	1.61E-05	5.78E-05	8.68E-06	2.68E-05
8126	437441.5	3763124	0.000106	0.00036	1.64E-05	5.88E-05	8.84E-06	2.73E-05
8127	437451.2	3763124	0.000108	0.000367	1.67E-05	5.99E-05	9.01E-06	2.78E-05
8128	437460.8	3763124	0.00011	0.000374	1.70E-05	6.11E-05	9.18E-06	2.83E-05
8129	437470.5	3763124	0.000112	0.000381	1.73E-05	6.22E-05	9.34E-06	2.88E-05
8130	437499.5	3763123	0.000118	0.000402	1.83E-05	6.56E-05	9.86E-06	3.04E-05
8131	437509.1	3763123	0.000121	0.000411	1.87E-05	6.71E-05	1.01E-05	3.11E-05
8132	437518.8	3763123	0.000123	0.000421	1.92E-05	6.88E-05	1.03E-05	3.19E-05
8133	437528.4	3763123	0.000126	0.00043	1.96E-05	7.03E-05	1.06E-05	3.26E-05
8134	437538.1	3763123	0.000129	0.00044	2.01E-05	7.19E-05	1.08E-05	3.34E-05
8135	437547.7	3763123	0.000132	0.000451	2.05E-05	7.37E-05	1.11E-05	3.42E-05
8136	437355.8	3763140	8.2E-05	0.00028	1.27E-05	4.57E-05	6.86E-06	2.12E-05
8137	437347.1	3763137	8.28E-05	0.000282	1.29E-05	4.61E-05	6.93E-06	2.14E-05
8138	437338.5	3763133	8.36E-05	0.000285	1.30E-05	4.66E-05	7.00E-06	2.16E-05
8139	437329.9	3763130	8.44E-05	0.000288	1.31E-05	4.70E-05	7.07E-06	2.18E-05
8140	437321.3	3763126	8.53E-05	0.000291	1.33E-05	4.75E-05	7.14E-06	2.20E-05
8141	437312.6	3763122	8.61E-05	0.000294	1.34E-05	4.80E-05	7.21E-06	2.23E-05
8142	437304	3763119	8.7E-05	0.000297	1.35E-05	4.85E-05	7.28E-06	2.25E-05
8143	437295.4	3763115	8.78E-05	0.000299	1.36E-05	4.89E-05	7.35E-06	2.27E-05
8144	437286.8	3763112	8.86E-05	0.000302	1.38E-05	4.94E-05	7.42E-06	2.29E-05
8145	437278.1	3763108	8.94E-05	0.000305	1.39E-05	4.98E-05	7.49E-06	2.31E-05
8146	437269.5	3763105	9.02E-05	0.000308	1.40E-05	5.02E-05	7.55E-06	2.33E-05
8147	437260.9	3763101	9.09E-05	0.00031	1.41E-05	5.06E-05	7.61E-06	2.35E-05
8148	437252.3	3763098	9.15E-05	0.000312	1.42E-05	5.10E-05	7.66E-06	2.36E-05
8149	437243.6	3763094	9.21E-05	0.000314	1.43E-05	5.13E-05	7.71E-06	2.38E-05
8150	437235	3763090	9.26E-05	0.000316	1.44E-05	5.16E-05	7.75E-06	2.39E-05
8151	437226.4	3763087	9.3E-05	0.000317	1.44E-05	5.18E-05	7.78E-06	2.40E-05
8152	437217.8	3763083	9.33E-05	0.000318	1.45E-05	5.20E-05	7.81E-06	2.41E-05
8153	437209.1	3763080	9.36E-05	0.000319	1.45E-05	5.21E-05	7.83E-06	2.42E-05
8154	437200.5	3763076	9.37E-05	0.00032	1.46E-05	5.22E-05	7.84E-06	2.42E-05
8155	437191.9	3763073	9.37E-05	0.00032	1.46E-05	5.22E-05	7.84E-06	2.42E-05
8156	437183.3	3763069	9.36E-05	0.000319	1.45E-05	5.22E-05	7.84E-06	2.42E-05
8157	437144.6	3763010	0.000114	0.00039	1.78E-05	6.38E-05	9.58E-06	2.96E-05
8158	437141	3763002	0.000118	0.000402	1.83E-05	6.57E-05	9.87E-06	3.05E-05
8159	437137.4	3762993	0.000121	0.000414	1.89E-05	6.76E-05	1.02E-05	3.14E-05
8160	437133.8	3762984	0.000125	0.000425	1.94E-05	6.95E-05	1.04E-05	3.22E-05

8161	437130.3	3762976	0.000128	0.000436	1.99E-05	7.12E-05	1.07E-05	3.30E-05
8162	437126.7	3762967	0.000131	0.000446	2.03E-05	7.29E-05	1.10E-05	3.38E-05
8163	437123.1	3762959	0.000134	0.000456	2.08E-05	7.45E-05	1.12E-05	3.46E-05
8164	437119.6	3762950	0.000136	0.000465	2.12E-05	7.60E-05	1.14E-05	3.53E-05
8165	437116	3762941	0.000139	0.000474	2.16E-05	7.74E-05	1.16E-05	3.59E-05
8166	437112.4	3762933	0.000141	0.000481	2.19E-05	7.86E-05	1.18E-05	3.64E-05
8167	437108.8	3762924	0.000143	0.000487	2.22E-05	7.96E-05	1.20E-05	3.69E-05
8168	437105.3	3762915	0.000144	0.000493	2.25E-05	8.05E-05	1.21E-05	3.73E-05
8169	437101.7	3762907	0.000146	0.000497	2.26E-05	8.12E-05	1.22E-05	3.77E-05
8170	437098.1	3762898	0.000147	0.0005	2.28E-05	8.17E-05	1.23E-05	3.79E-05
8171	437364.4	3763144	8.12E-05	0.000277	1.26E-05	4.52E-05	6.80E-06	2.10E-05
8172	437374	3763144	8.24E-05	0.000281	1.28E-05	4.59E-05	6.90E-06	2.13E-05
8173	437383.7	3763144	8.36E-05	0.000285	1.30E-05	4.66E-05	7.00E-06	2.16E-05
8174	437422.3	3763144	8.9E-05	0.000303	1.38E-05	4.96E-05	7.45E-06	2.30E-05
8175	437431.9	3763144	9.05E-05	0.000309	1.41E-05	5.04E-05	7.58E-06	2.34E-05
8176	437441.6	3763144	9.21E-05	0.000314	1.43E-05	5.13E-05	7.71E-06	2.38E-05
8177	437451.2	3763144	9.37E-05	0.000319	1.46E-05	5.22E-05	7.84E-06	2.42E-05
8178	437460.9	3763144	9.54E-05	0.000325	1.48E-05	5.31E-05	7.98E-06	2.46E-05
8179	437470.5	3763144	9.71E-05	0.000331	1.51E-05	5.41E-05	8.13E-06	2.51E-05
8180	437509.1	3763143	0.000104	0.000354	1.61E-05	5.78E-05	8.69E-06	2.68E-05
8181	437518.8	3763143	0.000105	0.00036	1.64E-05	5.88E-05	8.83E-06	2.73E-05
8182	437528.4	3763143	0.000108	0.000367	1.67E-05	6.00E-05	9.02E-06	2.78E-05
8183	437538.1	3763143	0.00011	0.000376	1.71E-05	6.14E-05	9.22E-06	2.85E-05
8184	437547.7	3763143	0.000113	0.000385	1.75E-05	6.28E-05	9.44E-06	2.92E-05
8185	437355.6	3763160	7.25E-05	0.000247	1.13E-05	4.04E-05	6.07E-06	1.87E-05
8186	437346.7	3763156	7.32E-05	0.00025	1.14E-05	4.08E-05	6.13E-06	1.89E-05
8187	437337.9	3763153	7.39E-05	0.000252	1.15E-05	4.12E-05	6.19E-06	1.91E-05
8188	437329	3763149	7.47E-05	0.000255	1.16E-05	4.16E-05	6.25E-06	1.93E-05
8189	437320.1	3763145	7.54E-05	0.000257	1.17E-05	4.20E-05	6.31E-06	1.95E-05
8190	437311.3	3763142	7.61E-05	0.00026	1.18E-05	4.24E-05	6.37E-06	1.97E-05
8191	437302.4	3763138	7.69E-05	0.000262	1.19E-05	4.28E-05	6.43E-06	1.99E-05
8192	437293.6	3763135	7.76E-05	0.000265	1.21E-05	4.32E-05	6.50E-06	2.01E-05
8193	437284.7	3763131	7.83E-05	0.000267	1.22E-05	4.36E-05	6.56E-06	2.02E-05
8194	437275.9	3763127	7.91E-05	0.00027	1.23E-05	4.40E-05	6.62E-06	2.04E-05
8195	437267	3763124	7.98E-05	0.000272	1.24E-05	4.44E-05	6.68E-06	2.06E-05
8196	437258.2	3763120	8.05E-05	0.000274	1.25E-05	4.48E-05	6.73E-06	2.08E-05
8197	437249.3	3763116	8.11E-05	0.000277	1.26E-05	4.52E-05	6.79E-06	2.10E-05
8198	437240.4	3763113	8.17E-05	0.000278	1.27E-05	4.55E-05	6.84E-06	2.11E-05
8199	437231.6	3763109	8.22E-05	0.00028	1.28E-05	4.58E-05	6.88E-06	2.12E-05
8200	437222.7	3763105	8.26E-05	0.000282	1.28E-05	4.60E-05	6.91E-06	2.13E-05
8201	437213.9	3763102	8.3E-05	0.000283	1.29E-05	4.62E-05	6.95E-06	2.15E-05
8202	437205	3763098	8.34E-05	0.000284	1.30E-05	4.64E-05	6.98E-06	2.15E-05
8203	437196.2	3763094	8.36E-05	0.000285	1.30E-05	4.66E-05	7.00E-06	2.16E-05
8204	437187.3	3763091	8.37E-05	0.000286	1.30E-05	4.66E-05	7.01E-06	2.16E-05
8205	437144.6	3763058	8.96E-05	0.000305	1.39E-05	4.99E-05	7.50E-06	2.31E-05
8206	437140.9	3763050	9.27E-05	0.000316	1.44E-05	5.16E-05	7.76E-06	2.40E-05
8207	437137.2	3763041	9.59E-05	0.000327	1.49E-05	5.34E-05	8.03E-06	2.48E-05
8208	437133.5	3763032	9.9E-05	0.000338	1.54E-05	5.52E-05	8.29E-06	2.56E-05
8209	437129.9	3763023	0.000102	0.000348	1.59E-05	5.69E-05	8.55E-06	2.64E-05
8210	437126.2	3763014	0.000105	0.000359	1.64E-05	5.87E-05	8.81E-06	2.72E-05
8211	437122.5	3763005	0.000108	0.000369	1.68E-05	6.04E-05	9.07E-06	2.80E-05
8212	437118.9	3762996	0.000111	0.00038	1.73E-05	6.20E-05	9.32E-06	2.88E-05

8213	437115.2	3762988	0.000114	0.000389	1.77E-05	6.36E-05	9.56E-06	2.95E-05
8214	437111.5	3762979	0.000117	0.000399	1.82E-05	6.51E-05	9.78E-06	3.02E-05
8215	437107.8	3762970	0.000119	0.000407	1.86E-05	6.66E-05	1.00E-05	3.09E-05
8216	437104.2	3762961	0.000122	0.000416	1.89E-05	6.79E-05	1.02E-05	3.15E-05
8217	437100.5	3762952	0.000124	0.000423	1.93E-05	6.91E-05	1.04E-05	3.21E-05
8218	437096.8	3762943	0.000126	0.00043	1.96E-05	7.02E-05	1.06E-05	3.26E-05
8219	437093.2	3762935	0.000128	0.000436	1.99E-05	7.12E-05	1.07E-05	3.30E-05
8220	437089.5	3762926	0.000129	0.000441	2.01E-05	7.20E-05	1.08E-05	3.34E-05
8221	437085.8	3762917	0.000131	0.000445	2.03E-05	7.27E-05	1.09E-05	3.37E-05
8222	437082.2	3762908	0.000132	0.000449	2.04E-05	7.33E-05	1.10E-05	3.40E-05
8223	437078.5	3762899	0.000132	0.000451	2.06E-05	7.37E-05	1.11E-05	3.42E-05
8224	437364.4	3763164	7.19E-05	0.000245	1.12E-05	4.00E-05	6.01E-06	1.86E-05
8225	437374.1	3763164	7.28E-05	0.000248	1.13E-05	4.06E-05	6.10E-06	1.88E-05
8226	437383.7	3763164	7.38E-05	0.000252	1.15E-05	4.11E-05	6.18E-06	1.91E-05
8227	437422.3	3763164	7.83E-05	0.000267	1.22E-05	4.36E-05	6.56E-06	2.02E-05
8228	437432	3763164	7.96E-05	0.000272	1.24E-05	4.44E-05	6.66E-06	2.06E-05
8229	437441.6	3763164	8.09E-05	0.000276	1.26E-05	4.51E-05	6.78E-06	2.09E-05
8230	437451.3	3763164	8.23E-05	0.000281	1.28E-05	4.59E-05	6.89E-06	2.13E-05
8231	437460.9	3763164	8.37E-05	0.000286	1.30E-05	4.66E-05	7.01E-06	2.16E-05
8232	437470.6	3763164	8.51E-05	0.00029	1.32E-05	4.74E-05	7.13E-06	2.20E-05
8233	437509.2	3763163	9.07E-05	0.000309	1.41E-05	5.05E-05	7.59E-06	2.34E-05
8234	437518.8	3763163	9.18E-05	0.000313	1.43E-05	5.11E-05	7.68E-06	2.37E-05
8235	437528.5	3763163	9.33E-05	0.000318	1.45E-05	5.20E-05	7.81E-06	2.41E-05
8236	437538.1	3763163	9.5E-05	0.000324	1.48E-05	5.29E-05	7.95E-06	2.46E-05
8237	437547.8	3763163	9.68E-05	0.00033	1.50E-05	5.39E-05	8.10E-06	2.50E-05
8238	437355.8	3763190	6.1E-05	0.000208	9.49E-06	3.40E-05	5.11E-06	1.58E-05
8239	437347.2	3763187	6.16E-05	0.00021	9.57E-06	3.43E-05	5.15E-06	1.59E-05
8240	437338.5	3763183	6.21E-05	0.000212	9.65E-06	3.46E-05	5.20E-06	1.61E-05
8241	437329.9	3763179	6.27E-05	0.000214	9.74E-06	3.49E-05	5.25E-06	1.62E-05
8242	437321.2	3763176	6.33E-05	0.000216	9.83E-06	3.52E-05	5.29E-06	1.63E-05
8243	437312.5	3763172	6.38E-05	0.000218	9.92E-06	3.56E-05	5.34E-06	1.65E-05
8244	437303.9	3763169	6.44E-05	0.00022	1.00E-05	3.59E-05	5.39E-06	1.66E-05
8245	437295.2	3763165	6.5E-05	0.000222	1.01E-05	3.62E-05	5.44E-06	1.68E-05
8246	437286.6	3763162	6.56E-05	0.000224	1.02E-05	3.65E-05	5.49E-06	1.69E-05
8247	437277.9	3763158	6.62E-05	0.000226	1.03E-05	3.69E-05	5.54E-06	1.71E-05
8248	437269.2	3763154	6.68E-05	0.000228	1.04E-05	3.72E-05	5.59E-06	1.72E-05
8249	437260.6	3763151	6.73E-05	0.00023	1.05E-05	3.75E-05	5.64E-06	1.74E-05
8250	437251.9	3763147	6.77E-05	0.000231	1.05E-05	3.77E-05	5.67E-06	1.75E-05
8251	437243.3	3763144	6.81E-05	0.000232	1.06E-05	3.79E-05	5.70E-06	1.76E-05
8252	437234.6	3763140	6.84E-05	0.000233	1.06E-05	3.81E-05	5.72E-06	1.77E-05
8253	437225.9	3763137	6.88E-05	0.000235	1.07E-05	3.83E-05	5.76E-06	1.78E-05
8254	437217.3	3763133	6.93E-05	0.000236	1.08E-05	3.86E-05	5.80E-06	1.79E-05
8255	437208.6	3763129	7E-05	0.000239	1.09E-05	3.90E-05	5.86E-06	1.81E-05
8256	437200	3763126	7.06E-05	0.000241	1.10E-05	3.93E-05	5.91E-06	1.82E-05
8257	437191.3	3763122	7.09E-05	0.000242	1.10E-05	3.95E-05	5.94E-06	1.83E-05
8258	437182.7	3763119	7.12E-05	0.000243	1.11E-05	3.97E-05	5.96E-06	1.84E-05
8259	437139.4	3763101	7.16E-05	0.000244	1.11E-05	3.99E-05	5.99E-06	1.85E-05
8260	437127.1	3763089	7.39E-05	0.000252	1.15E-05	4.12E-05	6.18E-06	1.91E-05
8261	437123.5	3763080	7.63E-05	0.00026	1.19E-05	4.25E-05	6.39E-06	1.97E-05
8262	437119.9	3763071	7.88E-05	0.000269	1.22E-05	4.39E-05	6.60E-06	2.04E-05
8263	437116.3	3763063	8.13E-05	0.000277	1.26E-05	4.53E-05	6.80E-06	2.10E-05
8264	437112.8	3763054	8.38E-05	0.000286	1.30E-05	4.67E-05	7.01E-06	2.16E-05

8265	437109.2	3763045	8.63E-05	0.000294	1.34E-05	4.81E-05	7.22E-06	2.23E-05
8266	437105.6	3763037	8.88E-05	0.000303	1.38E-05	4.94E-05	7.43E-06	2.29E-05
8267	437102	3763028	9.12E-05	0.000311	1.42E-05	5.08E-05	7.63E-06	2.36E-05
8268	437098.4	3763019	9.36E-05	0.000319	1.45E-05	5.21E-05	7.84E-06	2.42E-05
8269	437094.8	3763011	9.59E-05	0.000327	1.49E-05	5.34E-05	8.03E-06	2.48E-05
8270	437091.2	3763002	9.82E-05	0.000335	1.53E-05	5.47E-05	8.22E-06	2.54E-05
8271	437087.6	3762994	0.0001	0.000342	1.56E-05	5.59E-05	8.40E-06	2.59E-05
8272	437084	3762985	0.000102	0.000349	1.59E-05	5.70E-05	8.57E-06	2.65E-05
8273	437080.5	3762976	0.000104	0.000356	1.62E-05	5.81E-05	8.73E-06	2.70E-05
8274	437076.9	3762968	0.000106	0.000362	1.65E-05	5.91E-05	8.88E-06	2.74E-05
8275	437073.3	3762959	0.000108	0.000368	1.67E-05	6.00E-05	9.02E-06	2.78E-05
8276	437069.7	3762950	0.000109	0.000372	1.70E-05	6.08E-05	9.14E-06	2.82E-05
8277	437066.1	3762942	0.00011	0.000377	1.72E-05	6.15E-05	9.25E-06	2.85E-05
8278	437062.5	3762933	0.000112	0.00038	1.73E-05	6.21E-05	9.34E-06	2.88E-05
8279	437058.9	3762924	0.000113	0.000384	1.75E-05	6.27E-05	9.42E-06	2.91E-05
8280	437055.3	3762916	0.000113	0.000387	1.76E-05	6.32E-05	9.49E-06	2.93E-05
8281	437364.5	3763194	6.05E-05	0.000206	9.40E-06	3.37E-05	5.07E-06	1.56E-05
8282	437374.1	3763194	6.13E-05	0.000209	9.52E-06	3.41E-05	5.13E-06	1.58E-05
8283	437383.8	3763194	6.21E-05	0.000212	9.65E-06	3.46E-05	5.20E-06	1.60E-05
8284	437422.4	3763194	6.54E-05	0.000223	1.02E-05	3.64E-05	5.47E-06	1.69E-05
8285	437432	3763194	6.66E-05	0.000227	1.03E-05	3.71E-05	5.57E-06	1.72E-05
8286	437441.7	3763194	6.76E-05	0.00023	1.05E-05	3.77E-05	5.66E-06	1.75E-05
8287	437451.3	3763194	6.86E-05	0.000234	1.07E-05	3.82E-05	5.74E-06	1.77E-05
8288	437461	3763194	6.97E-05	0.000238	1.08E-05	3.88E-05	5.83E-06	1.80E-05
8289	437470.6	3763194	7.08E-05	0.000241	1.10E-05	3.94E-05	5.92E-06	1.83E-05
8290	437509.2	3763193	7.55E-05	0.000258	1.17E-05	4.21E-05	6.32E-06	1.95E-05
8291	437518.9	3763193	7.65E-05	0.000261	1.19E-05	4.26E-05	6.40E-06	1.98E-05
8292	437528.5	3763193	7.73E-05	0.000264	1.20E-05	4.31E-05	6.47E-06	2.00E-05
8293	437538.2	3763193	7.82E-05	0.000267	1.22E-05	4.36E-05	6.55E-06	2.02E-05
8294	437547.8	3763193	7.92E-05	0.00027	1.23E-05	4.41E-05	6.63E-06	2.05E-05
8295	437355.8	3763220	5.21E-05	0.000178	8.10E-06	2.90E-05	4.36E-06	1.35E-05
8296	437347	3763216	5.25E-05	0.000179	8.16E-06	2.93E-05	4.40E-06	1.36E-05
8297	437338.2	3763213	5.3E-05	0.000181	8.23E-06	2.95E-05	4.43E-06	1.37E-05
8298	437329.4	3763209	5.34E-05	0.000182	8.30E-06	2.98E-05	4.47E-06	1.38E-05
8299	437320.6	3763206	5.39E-05	0.000184	8.37E-06	3.00E-05	4.51E-06	1.39E-05
8300	437311.8	3763202	5.44E-05	0.000185	8.45E-06	3.03E-05	4.55E-06	1.40E-05
8301	437303	3763198	5.48E-05	0.000187	8.52E-06	3.05E-05	4.59E-06	1.42E-05
8302	437294.2	3763195	5.53E-05	0.000189	8.59E-06	3.08E-05	4.63E-06	1.43E-05
8303	437285.4	3763191	5.58E-05	0.00019	8.67E-06	3.11E-05	4.67E-06	1.44E-05
8304	437276.6	3763187	5.63E-05	0.000192	8.75E-06	3.14E-05	4.71E-06	1.45E-05
8305	437267.8	3763184	5.68E-05	0.000194	8.82E-06	3.16E-05	4.75E-06	1.47E-05
8306	437259	3763180	5.73E-05	0.000195	8.90E-06	3.19E-05	4.80E-06	1.48E-05
8307	437250.2	3763177	5.78E-05	0.000197	8.98E-06	3.22E-05	4.84E-06	1.49E-05
8308	437241.4	3763173	5.8E-05	0.000198	9.02E-06	3.23E-05	4.86E-06	1.50E-05
8309	437232.6	3763169	5.82E-05	0.000199	9.05E-06	3.24E-05	4.87E-06	1.50E-05
8310	437223.8	3763166	5.85E-05	0.0002	9.09E-06	3.26E-05	4.90E-06	1.51E-05
8311	437215	3763162	5.88E-05	0.000201	9.14E-06	3.28E-05	4.92E-06	1.52E-05
8312	437206.3	3763158	5.91E-05	0.000202	9.19E-06	3.29E-05	4.95E-06	1.53E-05
8313	437197.5	3763155	5.95E-05	0.000203	9.24E-06	3.31E-05	4.98E-06	1.54E-05
8314	437188.7	3763151	5.98E-05	0.000204	9.29E-06	3.33E-05	5.01E-06	1.55E-05
8315	437144.7	3763133	6.18E-05	0.000211	9.61E-06	3.44E-05	5.17E-06	1.60E-05
8316	437135.9	3763129	6.19E-05	0.000211	9.62E-06	3.45E-05	5.18E-06	1.60E-05

8317	437127.1	3763126	6.2E-05	0.000211	9.63E-06	3.45E-05	5.19E-06	1.60E-05
8318	437118.3	3763122	6.19E-05	0.000211	9.62E-06	3.45E-05	5.18E-06	1.60E-05
8319	437105.9	3763110	6.39E-05	0.000218	9.92E-06	3.56E-05	5.35E-06	1.65E-05
8320	437102.2	3763101	6.59E-05	0.000225	1.02E-05	3.67E-05	5.52E-06	1.70E-05
8321	437098.6	3763092	6.79E-05	0.000232	1.06E-05	3.79E-05	5.69E-06	1.76E-05
8322	437094.9	3763083	7E-05	0.000239	1.09E-05	3.90E-05	5.86E-06	1.81E-05
8323	437091.3	3763075	7.21E-05	0.000246	1.12E-05	4.02E-05	6.03E-06	1.86E-05
8324	437087.6	3763066	7.42E-05	0.000253	1.15E-05	4.13E-05	6.21E-06	1.92E-05
8325	437084	3763057	7.62E-05	0.00026	1.18E-05	4.25E-05	6.38E-06	1.97E-05
8326	437080.4	3763048	7.83E-05	0.000267	1.22E-05	4.36E-05	6.55E-06	2.02E-05
8327	437076.7	3763039	8.03E-05	0.000274	1.25E-05	4.47E-05	6.72E-06	2.07E-05
8328	437073.1	3763031	8.22E-05	0.00028	1.28E-05	4.58E-05	6.88E-06	2.12E-05
8329	437069.4	3763022	8.42E-05	0.000287	1.31E-05	4.69E-05	7.04E-06	2.17E-05
8330	437065.8	3763013	8.6E-05	0.000293	1.34E-05	4.79E-05	7.20E-06	2.22E-05
8331	437062.1	3763004	8.78E-05	0.000299	1.36E-05	4.89E-05	7.35E-06	2.27E-05
8332	437058.5	3762996	8.95E-05	0.000305	1.39E-05	4.99E-05	7.49E-06	2.31E-05
8333	437054.8	3762987	9.11E-05	0.000311	1.42E-05	5.07E-05	7.62E-06	2.35E-05
8334	437051.2	3762978	9.26E-05	0.000316	1.44E-05	5.16E-05	7.75E-06	2.39E-05
8335	437047.5	3762969	9.39E-05	0.00032	1.46E-05	5.23E-05	7.86E-06	2.43E-05
8336	437043.9	3762960	9.51E-05	0.000324	1.48E-05	5.30E-05	7.96E-06	2.46E-05
8337	437040.3	3762952	9.62E-05	0.000328	1.49E-05	5.36E-05	8.05E-06	2.49E-05
8338	437036.6	3762943	9.72E-05	0.000331	1.51E-05	5.41E-05	8.13E-06	2.51E-05
8339	437033	3762934	9.8E-05	0.000334	1.52E-05	5.46E-05	8.20E-06	2.53E-05
8340	437029.3	3762925	9.87E-05	0.000336	1.53E-05	5.50E-05	8.26E-06	2.55E-05
8341	437025.7	3762916	9.92E-05	0.000338	1.54E-05	5.53E-05	8.30E-06	2.56E-05
8342	437364.6	3763224	5.17E-05	0.000176	8.03E-06	2.88E-05	4.33E-06	1.34E-05
8343	437374.2	3763224	5.23E-05	0.000178	8.13E-06	2.91E-05	4.38E-06	1.35E-05
8344	437383.9	3763224	5.28E-05	0.00018	8.21E-06	2.94E-05	4.42E-06	1.37E-05
8345	437422.5	3763224	5.47E-05	0.000187	8.51E-06	3.05E-05	4.58E-06	1.41E-05
8346	437432.1	3763224	5.54E-05	0.000189	8.61E-06	3.09E-05	4.64E-06	1.43E-05
8347	437441.8	3763224	5.63E-05	0.000192	8.75E-06	3.14E-05	4.72E-06	1.46E-05
8348	437451.4	3763224	5.73E-05	0.000195	8.90E-06	3.19E-05	4.79E-06	1.48E-05
8349	437461.1	3763224	5.82E-05	0.000199	9.05E-06	3.24E-05	4.88E-06	1.50E-05
8350	437499.7	3763223	6.2E-05	0.000212	9.64E-06	3.46E-05	5.19E-06	1.60E-05
8351	437509.3	3763223	6.31E-05	0.000215	9.81E-06	3.52E-05	5.28E-06	1.63E-05
8352	437519	3763223	6.43E-05	0.000219	9.99E-06	3.58E-05	5.38E-06	1.66E-05
8353	437528.6	3763223	6.49E-05	0.000221	1.01E-05	3.61E-05	5.43E-06	1.68E-05
8354	437538.3	3763223	6.55E-05	0.000223	1.02E-05	3.65E-05	5.48E-06	1.69E-05
8355	437547.9	3763223	6.62E-05	0.000226	1.03E-05	3.69E-05	5.54E-06	1.71E-05
8356	437355.7	3763250	0.000045	0.000153	6.99E-06	2.51E-05	3.77E-06	1.16E-05
8357	437346.8	3763246	4.53E-05	0.000155	7.04E-06	2.52E-05	3.79E-06	1.17E-05
8358	437337.9	3763243	4.57E-05	0.000156	7.10E-06	2.54E-05	3.82E-06	1.18E-05
8359	437329	3763239	4.6E-05	0.000157	7.15E-06	2.56E-05	3.85E-06	1.19E-05
8360	437320	3763235	4.64E-05	0.000158	7.21E-06	2.59E-05	3.89E-06	1.20E-05
8361	437311.1	3763232	4.68E-05	0.00016	7.28E-06	2.61E-05	3.92E-06	1.21E-05
8362	437302.2	3763228	4.72E-05	0.000161	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8363	437293.3	3763224	4.76E-05	0.000162	7.40E-06	2.65E-05	3.99E-06	1.23E-05
8364	437284.4	3763221	4.8E-05	0.000164	7.46E-06	2.67E-05	4.02E-06	1.24E-05
8365	437275.5	3763217	4.84E-05	0.000165	7.53E-06	2.70E-05	4.05E-06	1.25E-05
8366	437266.6	3763213	4.89E-05	0.000167	7.59E-06	2.72E-05	4.09E-06	1.26E-05
8367	437257.7	3763210	4.93E-05	0.000168	7.66E-06	2.75E-05	4.13E-06	1.27E-05
8368	437248.7	3763206	4.97E-05	0.00017	7.73E-06	2.77E-05	4.16E-06	1.29E-05

8369	437239.8	3763202	5.02E-05	0.000171	7.80E-06	2.80E-05	4.20E-06	1.30E-05
8370	437230.9	3763199	5.06E-05	0.000173	7.86E-06	2.82E-05	4.24E-06	1.31E-05
8371	437222	3763195	5.1E-05	0.000174	7.93E-06	2.84E-05	4.27E-06	1.32E-05
8372	437213.1	3763191	5.14E-05	0.000175	7.99E-06	2.86E-05	4.30E-06	1.33E-05
8373	437204.2	3763188	5.18E-05	0.000176	8.04E-06	2.88E-05	4.33E-06	1.34E-05
8374	437195.3	3763184	5.18E-05	0.000177	8.04E-06	2.88E-05	4.33E-06	1.34E-05
8375	437186.4	3763180	5.19E-05	0.000177	8.06E-06	2.89E-05	4.34E-06	1.34E-05
8376	437141.8	3763162	5.35E-05	0.000183	8.32E-06	2.98E-05	4.48E-06	1.38E-05
8377	437132.9	3763158	5.39E-05	0.000184	8.37E-06	3.00E-05	4.51E-06	1.39E-05
8378	437124	3763155	5.4E-05	0.000184	8.39E-06	3.01E-05	4.52E-06	1.40E-05
8379	437115.1	3763151	5.41E-05	0.000184	8.41E-06	3.01E-05	4.53E-06	1.40E-05
8380	437106.1	3763147	5.41E-05	0.000184	8.40E-06	3.01E-05	4.53E-06	1.40E-05
8381	437097.2	3763143	5.39E-05	0.000184	8.38E-06	3.00E-05	4.52E-06	1.39E-05
8382	437084.6	3763131	5.54E-05	0.000189	8.61E-06	3.09E-05	4.64E-06	1.43E-05
8383	437080.9	3763122	5.72E-05	0.000195	8.89E-06	3.19E-05	4.79E-06	1.48E-05
8384	437077.2	3763113	5.91E-05	0.000202	9.19E-06	3.29E-05	4.95E-06	1.53E-05
8385	437073.5	3763104	6.09E-05	0.000208	9.46E-06	3.39E-05	5.10E-06	1.57E-05
8386	437069.8	3763095	6.26E-05	0.000213	9.72E-06	3.49E-05	5.24E-06	1.62E-05
8387	437066.2	3763086	6.44E-05	0.00022	1.00E-05	3.59E-05	5.39E-06	1.66E-05
8388	437062.5	3763077	6.62E-05	0.000226	1.03E-05	3.69E-05	5.54E-06	1.71E-05
8389	437058.8	3763069	6.79E-05	0.000232	1.06E-05	3.78E-05	5.68E-06	1.75E-05
8390	437055.1	3763060	6.96E-05	0.000237	1.08E-05	3.88E-05	5.82E-06	1.80E-05
8391	437051.4	3763051	7.12E-05	0.000243	1.11E-05	3.96E-05	5.96E-06	1.84E-05
8392	437047.7	3763042	7.28E-05	0.000248	1.13E-05	4.06E-05	6.09E-06	1.88E-05
8393	437044	3763033	7.44E-05	0.000254	1.16E-05	4.14E-05	6.23E-06	1.92E-05
8394	437040.3	3763024	7.59E-05	0.000259	1.18E-05	4.23E-05	6.35E-06	1.96E-05
8395	437036.6	3763015	7.74E-05	0.000264	1.20E-05	4.31E-05	6.48E-06	2.00E-05
8396	437032.9	3763006	7.89E-05	0.000269	1.23E-05	4.40E-05	6.60E-06	2.04E-05
8397	437029.2	3762997	8.02E-05	0.000274	1.25E-05	4.47E-05	6.71E-06	2.07E-05
8398	437025.5	3762988	8.15E-05	0.000278	1.27E-05	4.54E-05	6.82E-06	2.10E-05
8399	437021.8	3762980	8.26E-05	0.000282	1.28E-05	4.60E-05	6.91E-06	2.13E-05
8400	437018.1	3762971	8.36E-05	0.000285	1.30E-05	4.66E-05	7.00E-06	2.16E-05
8401	437014.4	3762962	8.45E-05	0.000288	1.31E-05	4.71E-05	7.08E-06	2.18E-05
8402	437010.7	3762953	8.53E-05	0.000291	1.33E-05	4.75E-05	7.14E-06	2.21E-05
8403	437007.1	3762944	8.61E-05	0.000293	1.34E-05	4.79E-05	7.20E-06	2.22E-05
8404	437003.4	3762935	8.66E-05	0.000295	1.35E-05	4.83E-05	7.25E-06	2.24E-05
8405	436999.7	3762926	8.71E-05	0.000297	1.35E-05	4.85E-05	7.29E-06	2.25E-05
8406	436996	3762917	8.75E-05	0.000298	1.36E-05	4.87E-05	7.32E-06	2.26E-05
8407	437364.6	3763254	4.47E-05	0.000152	6.94E-06	2.49E-05	3.74E-06	1.15E-05
8408	437374.3	3763254	4.51E-05	0.000154	7.01E-06	2.51E-05	3.77E-06	1.16E-05
8409	437383.9	3763254	4.54E-05	0.000155	7.06E-06	2.53E-05	3.80E-06	1.17E-05
8410	437422.5	3763254	4.68E-05	0.00016	7.27E-06	2.61E-05	3.92E-06	1.21E-05
8411	437432.2	3763254	4.72E-05	0.000161	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8412	437441.8	3763254	4.8E-05	0.000164	7.45E-06	2.67E-05	4.02E-06	1.24E-05
8413	437451.5	3763254	4.87E-05	0.000166	7.57E-06	2.71E-05	4.08E-06	1.26E-05
8414	437461.1	3763254	4.95E-05	0.000169	7.69E-06	2.76E-05	4.14E-06	1.28E-05
8415	437470.8	3763254	5.02E-05	0.000171	7.79E-06	2.79E-05	4.20E-06	1.30E-05
8416	437480.4	3763254	5.08E-05	0.000173	7.90E-06	2.83E-05	4.26E-06	1.31E-05
8417	437490.1	3763253	5.15E-05	0.000176	8.01E-06	2.87E-05	4.31E-06	1.33E-05
8418	437499.7	3763253	5.23E-05	0.000178	8.12E-06	2.91E-05	4.38E-06	1.35E-05
8419	437509.4	3763253	5.3E-05	0.000181	8.24E-06	2.95E-05	4.44E-06	1.37E-05
8420	437519	3763253	5.38E-05	0.000184	8.37E-06	3.00E-05	4.51E-06	1.39E-05

8421	437528.7	3763253	5.46E-05	0.000186	8.48E-06	3.04E-05	4.57E-06	1.41E-05
8422	437538.3	3763253	5.53E-05	0.000189	8.59E-06	3.08E-05	4.63E-06	1.43E-05
8423	437548	3763253	5.61E-05	0.000191	8.71E-06	3.12E-05	4.69E-06	1.45E-05
8424	437355.9	3763280	3.87E-05	0.000132	6.01E-06	2.16E-05	3.24E-06	1.00E-05
8425	437347.2	3763277	3.9E-05	0.000133	6.06E-06	2.17E-05	3.27E-06	1.01E-05
8426	437338.4	3763273	3.94E-05	0.000134	6.12E-06	2.19E-05	3.30E-06	1.02E-05
8427	437329.7	3763269	3.99E-05	0.000136	6.19E-06	2.22E-05	3.34E-06	1.03E-05
8428	437320.9	3763266	4.04E-05	0.000138	6.27E-06	2.25E-05	3.38E-06	1.04E-05
8429	437312.2	3763262	4.07E-05	0.000139	6.32E-06	2.27E-05	3.40E-06	1.05E-05
8430	437303.4	3763258	4.1E-05	0.00014	6.37E-06	2.28E-05	3.43E-06	1.06E-05
8431	437294.7	3763255	4.13E-05	0.000141	6.42E-06	2.30E-05	3.46E-06	1.07E-05
8432	437285.9	3763251	4.16E-05	0.000142	6.47E-06	2.32E-05	3.49E-06	1.08E-05
8433	437277.2	3763248	4.2E-05	0.000143	6.52E-06	2.34E-05	3.51E-06	1.08E-05
8434	437268.4	3763244	4.23E-05	0.000144	6.58E-06	2.36E-05	3.54E-06	1.09E-05
8435	437259.7	3763240	4.27E-05	0.000146	6.64E-06	2.38E-05	3.58E-06	1.10E-05
8436	437250.9	3763237	4.31E-05	0.000147	6.69E-06	2.40E-05	3.61E-06	1.11E-05
8437	437242.2	3763233	4.35E-05	0.000148	6.76E-06	2.42E-05	3.64E-06	1.12E-05
8438	437233.4	3763230	4.39E-05	0.00015	6.81E-06	2.44E-05	3.67E-06	1.13E-05
8439	437224.7	3763226	4.42E-05	0.000151	6.87E-06	2.46E-05	3.70E-06	1.14E-05
8440	437215.9	3763222	4.46E-05	0.000152	6.93E-06	2.48E-05	3.73E-06	1.15E-05
8441	437207.2	3763219	4.49E-05	0.000153	6.98E-06	2.50E-05	3.76E-06	1.16E-05
8442	437198.4	3763215	4.52E-05	0.000154	7.03E-06	2.52E-05	3.79E-06	1.17E-05
8443	437189.6	3763212	4.55E-05	0.000155	7.07E-06	2.54E-05	3.81E-06	1.18E-05
8444	437180.9	3763208	4.58E-05	0.000156	7.12E-06	2.55E-05	3.84E-06	1.18E-05
8445	437145.9	3763194	4.68E-05	0.00016	7.28E-06	2.61E-05	3.92E-06	1.21E-05
8446	437137.1	3763190	4.71E-05	0.00016	7.31E-06	2.62E-05	3.94E-06	1.22E-05
8447	437128.4	3763186	4.72E-05	0.000161	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8448	437119.6	3763183	4.74E-05	0.000162	7.37E-06	2.64E-05	3.97E-06	1.22E-05
8449	437110.9	3763179	4.75E-05	0.000162	7.38E-06	2.64E-05	3.97E-06	1.23E-05
8450	437102.1	3763175	4.75E-05	0.000162	7.39E-06	2.65E-05	3.98E-06	1.23E-05
8451	437093.4	3763172	4.75E-05	0.000162	7.38E-06	2.65E-05	3.98E-06	1.23E-05
8452	437084.6	3763168	4.75E-05	0.000162	7.37E-06	2.64E-05	3.97E-06	1.23E-05
8453	437075.9	3763165	4.73E-05	0.000161	7.35E-06	2.64E-05	3.96E-06	1.22E-05
8454	437063.5	3763152	4.86E-05	0.000166	7.55E-06	2.71E-05	4.06E-06	1.25E-05
8455	437059.9	3763144	5E-05	0.00017	7.76E-06	2.78E-05	4.18E-06	1.29E-05
8456	437056.2	3763135	5.15E-05	0.000176	8.01E-06	2.87E-05	4.31E-06	1.33E-05
8457	437052.6	3763126	5.32E-05	0.000181	8.27E-06	2.96E-05	4.45E-06	1.37E-05
8458	437049	3763117	5.48E-05	0.000187	8.52E-06	3.05E-05	4.59E-06	1.42E-05
8459	437045.4	3763109	5.63E-05	0.000192	8.74E-06	3.14E-05	4.71E-06	1.45E-05
8460	437041.7	3763100	5.77E-05	0.000197	8.97E-06	3.22E-05	4.83E-06	1.49E-05
8461	437038.1	3763091	5.92E-05	0.000202	9.19E-06	3.30E-05	4.95E-06	1.53E-05
8462	437034.5	3763082	6.06E-05	0.000207	9.41E-06	3.37E-05	5.07E-06	1.57E-05
8463	437030.9	3763074	6.2E-05	0.000211	9.63E-06	3.45E-05	5.19E-06	1.60E-05
8464	437027.2	3763065	6.33E-05	0.000216	9.84E-06	3.53E-05	5.30E-06	1.64E-05
8465	437023.6	3763056	6.47E-05	0.000221	1.00E-05	3.60E-05	5.41E-06	1.67E-05
8466	437020	3763047	6.6E-05	0.000225	1.03E-05	3.68E-05	5.52E-06	1.71E-05
8467	437016.3	3763039	6.73E-05	0.000229	1.04E-05	3.75E-05	5.63E-06	1.74E-05
8468	437012.7	3763030	6.85E-05	0.000233	1.06E-05	3.81E-05	5.73E-06	1.77E-05
8469	437009.1	3763021	6.95E-05	0.000237	1.08E-05	3.87E-05	5.82E-06	1.80E-05
8470	437005.5	3763012	7.07E-05	0.000241	1.10E-05	3.94E-05	5.92E-06	1.83E-05
8471	437001.8	3763004	7.18E-05	0.000245	1.11E-05	4.00E-05	6.01E-06	1.85E-05
8472	436998.2	3762995	7.27E-05	0.000248	1.13E-05	4.05E-05	6.09E-06	1.88E-05

8473	436994.6	3762986	7.36E-05	0.000251	1.14E-05	4.10E-05	6.16E-06	1.90E-05
8474	436991	3762977	7.44E-05	0.000254	1.16E-05	4.15E-05	6.23E-06	1.92E-05
8475	436987.3	3762969	7.52E-05	0.000256	1.17E-05	4.19E-05	6.29E-06	1.94E-05
8476	436983.7	3762960	7.58E-05	0.000259	1.18E-05	4.22E-05	6.35E-06	1.96E-05
8477	436980.1	3762951	7.64E-05	0.00026	1.19E-05	4.26E-05	6.39E-06	1.97E-05
8478	436976.4	3762942	7.69E-05	0.000262	1.19E-05	4.28E-05	6.43E-06	1.99E-05
8479	436972.8	3762934	7.72E-05	0.000263	1.20E-05	4.30E-05	6.46E-06	2.00E-05
8480	436969.2	3762925	7.75E-05	0.000264	1.20E-05	4.32E-05	6.49E-06	2.00E-05
8481	436965.6	3762916	7.77E-05	0.000265	1.21E-05	4.33E-05	6.51E-06	2.01E-05
8482	436961.9	3762907	7.78E-05	0.000265	1.21E-05	4.34E-05	6.51E-06	2.01E-05
8483	436958.3	3762899	7.78E-05	0.000265	1.21E-05	4.34E-05	6.52E-06	2.01E-05
8484	437364.7	3763284	3.84E-05	0.000131	5.96E-06	2.14E-05	3.21E-06	9.92E-06
8485	437374.3	3763284	3.88E-05	0.000132	6.03E-06	2.16E-05	3.25E-06	1.00E-05
8486	437384	3763284	3.92E-05	0.000134	6.09E-06	2.18E-05	3.28E-06	1.01E-05
8487	437393.6	3763284	3.96E-05	0.000135	6.15E-06	2.21E-05	3.32E-06	1.02E-05
8488	437403.3	3763284	4E-05	0.000136	6.21E-06	2.23E-05	3.35E-06	1.03E-05
8489	437412.9	3763284	4.03E-05	0.000138	6.27E-06	2.25E-05	3.38E-06	1.04E-05
8490	437422.6	3763284	4.07E-05	0.000139	6.32E-06	2.27E-05	3.40E-06	1.05E-05
8491	437432.2	3763284	4.11E-05	0.00014	6.38E-06	2.29E-05	3.44E-06	1.06E-05
8492	437441.9	3763284	4.17E-05	0.000142	6.48E-06	2.32E-05	3.49E-06	1.08E-05
8493	437451.5	3763284	4.23E-05	0.000144	6.57E-06	2.36E-05	3.54E-06	1.09E-05
8494	437461.2	3763284	4.29E-05	0.000146	6.67E-06	2.39E-05	3.59E-06	1.11E-05
8495	437470.8	3763284	4.35E-05	0.000148	6.75E-06	2.42E-05	3.64E-06	1.12E-05
8496	437480.5	3763284	4.4E-05	0.00015	6.84E-06	2.45E-05	3.68E-06	1.14E-05
8497	437490.1	3763283	4.46E-05	0.000152	6.92E-06	2.48E-05	3.73E-06	1.15E-05
8498	437499.8	3763283	4.5E-05	0.000154	7.00E-06	2.51E-05	3.77E-06	1.16E-05
8499	437509.4	3763283	4.55E-05	0.000155	7.07E-06	2.54E-05	3.81E-06	1.18E-05
8500	437519.1	3763283	4.6E-05	0.000157	7.15E-06	2.56E-05	3.85E-06	1.19E-05
8501	437528.7	3763283	4.66E-05	0.000159	7.24E-06	2.60E-05	3.90E-06	1.20E-05
8502	437538.4	3763283	4.72E-05	0.000161	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8503	437548	3763283	4.79E-05	0.000163	7.44E-06	2.67E-05	4.01E-06	1.24E-05
8504	437355.9	3763310	3.38E-05	0.000115	5.25E-06	1.88E-05	2.83E-06	8.73E-06
8505	437347	3763306	3.4E-05	0.000116	5.29E-06	1.90E-05	2.85E-06	8.79E-06
8506	437338.2	3763303	3.43E-05	0.000117	5.33E-06	1.91E-05	2.87E-06	8.86E-06
8507	437329.3	3763299	3.46E-05	0.000118	5.38E-06	1.93E-05	2.90E-06	8.94E-06
8508	437320.5	3763295	3.5E-05	0.000119	5.43E-06	1.95E-05	2.93E-06	9.03E-06
8509	437311.6	3763292	3.53E-05	0.00012	5.49E-06	1.97E-05	2.96E-06	9.13E-06
8510	437302.7	3763288	3.56E-05	0.000122	5.54E-06	1.99E-05	2.98E-06	9.21E-06
8511	437293.9	3763285	3.59E-05	0.000123	5.59E-06	2.00E-05	3.01E-06	9.29E-06
8512	437285	3763281	3.63E-05	0.000124	5.63E-06	2.02E-05	3.03E-06	9.37E-06
8513	437276.2	3763277	3.66E-05	0.000125	5.69E-06	2.04E-05	3.06E-06	9.46E-06
8514	437267.3	3763274	3.7E-05	0.000126	5.75E-06	2.06E-05	3.10E-06	9.57E-06
8515	437258.5	3763270	3.74E-05	0.000128	5.82E-06	2.09E-05	3.13E-06	9.67E-06
8516	437249.6	3763266	3.77E-05	0.000129	5.87E-06	2.10E-05	3.16E-06	9.75E-06
8517	437240.8	3763263	3.81E-05	0.00013	5.92E-06	2.12E-05	3.19E-06	9.84E-06
8518	437231.9	3763259	3.84E-05	0.000131	5.97E-06	2.14E-05	3.22E-06	9.93E-06
8519	437223	3763255	3.87E-05	0.000132	6.02E-06	2.16E-05	3.24E-06	1.00E-05
8520	437214.2	3763252	3.91E-05	0.000133	6.07E-06	2.18E-05	3.27E-06	1.01E-05
8521	437205.3	3763248	3.94E-05	0.000134	6.12E-06	2.19E-05	3.30E-06	1.02E-05
8522	437196.5	3763244	3.97E-05	0.000135	6.17E-06	2.21E-05	3.32E-06	1.03E-05
8523	437187.6	3763241	4E-05	0.000136	6.21E-06	2.23E-05	3.35E-06	1.03E-05
8524	437143.3	3763222	4.12E-05	0.000141	6.41E-06	2.30E-05	3.45E-06	1.07E-05

8525	437134.5	3763219	4.15E-05	0.000141	6.44E-06	2.31E-05	3.47E-06	1.07E-05
8526	437125.6	3763215	4.17E-05	0.000142	6.47E-06	2.32E-05	3.49E-06	1.08E-05
8527	437116.8	3763211	4.18E-05	0.000143	6.50E-06	2.33E-05	3.50E-06	1.08E-05
8528	437107.9	3763208	0.000042	0.000143	6.53E-06	2.34E-05	3.52E-06	1.09E-05
8529	437099.1	3763204	4.2E-05	0.000143	6.53E-06	2.34E-05	3.52E-06	1.09E-05
8530	437090.2	3763201	4.21E-05	0.000143	6.54E-06	2.34E-05	3.52E-06	1.09E-05
8531	437081.4	3763197	4.21E-05	0.000143	6.54E-06	2.34E-05	3.52E-06	1.09E-05
8532	437072.5	3763193	4.21E-05	0.000143	6.53E-06	2.34E-05	3.52E-06	1.09E-05
8533	437063.6	3763190	4.21E-05	0.000144	6.54E-06	2.34E-05	3.52E-06	1.09E-05
8534	437054.8	3763186	4.21E-05	0.000144	6.55E-06	2.35E-05	3.53E-06	1.09E-05
8535	437042.3	3763173	4.33E-05	0.000148	6.73E-06	2.41E-05	3.62E-06	1.12E-05
8536	437038.6	3763165	4.46E-05	0.000152	6.92E-06	2.48E-05	3.73E-06	1.15E-05
8537	437034.9	3763156	4.59E-05	0.000156	7.13E-06	2.56E-05	3.84E-06	1.19E-05
8538	437031.3	3763147	4.72E-05	0.000161	7.34E-06	2.63E-05	3.95E-06	1.22E-05
8539	437027.6	3763138	4.86E-05	0.000166	7.55E-06	2.71E-05	4.07E-06	1.25E-05
8540	437023.9	3763129	4.98E-05	0.00017	7.74E-06	2.77E-05	4.17E-06	1.29E-05
8541	437020.2	3763120	5.11E-05	0.000174	7.93E-06	2.84E-05	4.27E-06	1.32E-05
8542	437016.6	3763111	5.23E-05	0.000178	8.13E-06	2.91E-05	4.38E-06	1.35E-05
8543	437012.9	3763103	5.35E-05	0.000183	8.32E-06	2.98E-05	4.48E-06	1.38E-05
8544	437009.2	3763094	5.47E-05	0.000187	8.51E-06	3.05E-05	4.58E-06	1.41E-05
8545	437005.6	3763085	5.59E-05	0.000191	8.69E-06	3.12E-05	4.68E-06	1.45E-05
8546	437001.9	3763076	5.71E-05	0.000195	8.87E-06	3.18E-05	4.78E-06	1.48E-05
8547	436998.2	3763067	5.82E-05	0.000199	9.05E-06	3.24E-05	4.87E-06	1.50E-05
8548	436994.6	3763058	5.93E-05	0.000202	9.22E-06	3.30E-05	4.97E-06	1.53E-05
8549	436990.9	3763050	6.04E-05	0.000206	9.38E-06	3.36E-05	5.05E-06	1.56E-05
8550	436987.2	3763041	6.14E-05	0.000209	9.54E-06	3.42E-05	5.14E-06	1.59E-05
8551	436983.5	3763032	6.24E-05	0.000213	9.69E-06	3.47E-05	5.22E-06	1.61E-05
8552	436979.9	3763023	6.32E-05	0.000216	9.82E-06	3.52E-05	5.29E-06	1.63E-05
8553	436976.2	3763014	6.42E-05	0.000219	9.97E-06	3.57E-05	5.37E-06	1.66E-05
8554	436972.5	3763005	6.5E-05	0.000222	1.01E-05	3.62E-05	5.44E-06	1.68E-05
8555	436968.9	3762996	6.58E-05	0.000224	1.02E-05	3.66E-05	5.50E-06	1.70E-05
8556	436965.2	3762988	6.65E-05	0.000227	1.03E-05	3.70E-05	5.56E-06	1.72E-05
8557	436961.5	3762979	6.71E-05	0.000229	1.04E-05	3.74E-05	5.62E-06	1.73E-05
8558	436957.8	3762970	6.76E-05	0.000231	1.05E-05	3.77E-05	5.66E-06	1.75E-05
8559	436954.2	3762961	6.81E-05	0.000232	1.06E-05	3.79E-05	5.70E-06	1.76E-05
8560	436950.5	3762952	6.85E-05	0.000234	1.06E-05	3.82E-05	5.74E-06	1.77E-05
8561	436946.8	3762943	6.88E-05	0.000235	1.07E-05	3.84E-05	5.76E-06	1.78E-05
8562	436943.2	3762935	6.91E-05	0.000236	1.07E-05	3.85E-05	5.78E-06	1.79E-05
8563	436939.5	3762926	6.93E-05	0.000236	1.08E-05	3.86E-05	5.80E-06	1.79E-05
8564	436935.8	3762917	6.94E-05	0.000237	1.08E-05	3.86E-05	5.81E-06	1.79E-05
8565	436932.2	3762908	6.94E-05	0.000237	1.08E-05	3.87E-05	5.81E-06	1.79E-05
8566	436928.5	3762899	6.94E-05	0.000237	1.08E-05	3.87E-05	5.81E-06	1.79E-05
8567	437364.7	3763314	3.36E-05	0.000115	5.22E-06	1.87E-05	2.81E-06	8.68E-06
8568	437374.4	3763314	3.39E-05	0.000116	5.27E-06	1.89E-05	2.84E-06	8.77E-06
8569	437384	3763314	3.43E-05	0.000117	5.33E-06	1.91E-05	2.87E-06	8.86E-06
8570	437393.7	3763314	3.46E-05	0.000118	5.38E-06	1.93E-05	2.90E-06	8.95E-06
8571	437403.3	3763314	3.5E-05	0.00012	5.45E-06	1.95E-05	2.93E-06	9.06E-06
8572	437413	3763314	3.55E-05	0.000121	5.51E-06	1.98E-05	2.97E-06	9.17E-06
8573	437422.6	3763314	3.59E-05	0.000122	5.58E-06	2.00E-05	3.01E-06	9.28E-06
8574	437432.3	3763314	3.64E-05	0.000124	5.65E-06	2.03E-05	3.04E-06	9.40E-06
8575	437441.9	3763314	3.68E-05	0.000126	5.72E-06	2.05E-05	3.08E-06	9.51E-06
8576	437451.6	3763314	3.72E-05	0.000127	5.79E-06	2.07E-05	3.12E-06	9.62E-06

8577	437461.2	3763314	3.77E-05	0.000129	5.86E-06	2.10E-05	3.15E-06	9.74E-06
8578	437470.9	3763314	3.81E-05	0.00013	5.92E-06	2.12E-05	3.19E-06	9.85E-06
8579	437480.5	3763314	3.86E-05	0.000132	5.99E-06	2.15E-05	3.23E-06	9.97E-06
8580	437490.2	3763313	3.9E-05	0.000133	6.06E-06	2.17E-05	3.27E-06	1.01E-05
8581	437499.8	3763313	3.94E-05	0.000134	6.12E-06	2.19E-05	3.30E-06	1.02E-05
8582	437509.5	3763313	3.98E-05	0.000136	6.18E-06	2.21E-05	3.33E-06	1.03E-05
8583	437519.1	3763313	4.01E-05	0.000137	6.24E-06	2.24E-05	3.36E-06	1.04E-05
8584	437528.8	3763313	4.05E-05	0.000138	6.30E-06	2.26E-05	3.39E-06	1.05E-05
8585	437538.4	3763313	4.1E-05	0.00014	6.37E-06	2.28E-05	3.43E-06	1.06E-05
8586	437548.1	3763313	4.14E-05	0.000141	6.43E-06	2.31E-05	3.47E-06	1.07E-05
8587	437356.1	3763340	3.01E-05	0.000102	4.67E-06	1.67E-05	2.52E-06	7.76E-06
8588	437347.4	3763337	3.02E-05	0.000103	4.69E-06	1.68E-05	2.53E-06	7.80E-06
8589	437338.6	3763333	3.04E-05	0.000104	4.72E-06	1.69E-05	2.54E-06	7.85E-06
8590	437329.9	3763329	3.06E-05	0.000104	4.75E-06	1.70E-05	2.56E-06	7.90E-06
8591	437321.2	3763326	3.08E-05	0.000105	4.79E-06	1.72E-05	2.58E-06	7.96E-06
8592	437312.5	3763322	3.11E-05	0.000106	4.83E-06	1.73E-05	2.60E-06	8.03E-06
8593	437303.8	3763319	3.13E-05	0.000107	4.87E-06	1.74E-05	2.62E-06	8.09E-06
8594	437295	3763315	3.16E-05	0.000108	4.90E-06	1.76E-05	2.64E-06	8.15E-06
8595	437286.3	3763311	3.18E-05	0.000108	4.94E-06	1.77E-05	2.66E-06	8.22E-06
8596	437277.6	3763308	3.21E-05	0.000109	4.98E-06	1.79E-05	2.68E-06	8.29E-06
8597	437268.9	3763304	3.24E-05	0.00011	5.03E-06	1.80E-05	2.71E-06	8.36E-06
8598	437260.2	3763301	3.27E-05	0.000112	5.08E-06	1.82E-05	2.74E-06	8.45E-06
8599	437251.4	3763297	3.31E-05	0.000113	5.14E-06	1.84E-05	2.77E-06	8.54E-06
8600	437242.7	3763293	3.34E-05	0.000114	5.19E-06	1.86E-05	2.80E-06	8.63E-06
8601	437234	3763290	3.37E-05	0.000115	5.24E-06	1.88E-05	2.82E-06	8.72E-06
8602	437225.3	3763286	3.41E-05	0.000116	5.30E-06	1.90E-05	2.85E-06	8.81E-06
8603	437216.6	3763283	3.43E-05	0.000117	5.34E-06	1.91E-05	2.87E-06	8.87E-06
8604	437207.9	3763279	3.46E-05	0.000118	5.38E-06	1.93E-05	2.90E-06	8.95E-06
8605	437199.1	3763275	3.49E-05	0.000119	5.42E-06	1.94E-05	2.92E-06	9.02E-06
8606	437190.4	3763272	3.52E-05	0.00012	5.46E-06	1.96E-05	2.94E-06	9.09E-06
8607	437181.7	3763268	3.54E-05	0.000121	5.50E-06	1.97E-05	2.97E-06	9.15E-06
8608	437146.8	3763254	3.64E-05	0.000124	5.65E-06	2.03E-05	3.04E-06	9.40E-06
8609	437138.1	3763250	3.66E-05	0.000125	5.69E-06	2.04E-05	3.06E-06	9.46E-06
8610	437129.4	3763247	3.68E-05	0.000126	5.72E-06	2.05E-05	3.08E-06	9.51E-06
8611	437120.7	3763243	3.7E-05	0.000126	5.75E-06	2.06E-05	3.10E-06	9.56E-06
8612	437111.9	3763239	3.71E-05	0.000127	5.77E-06	2.07E-05	3.11E-06	9.59E-06
8613	437103.2	3763236	3.72E-05	0.000127	5.79E-06	2.07E-05	3.12E-06	9.62E-06
8614	437094.5	3763232	3.74E-05	0.000128	5.81E-06	2.08E-05	3.13E-06	9.67E-06
8615	437085.8	3763229	3.76E-05	0.000128	5.84E-06	2.09E-05	3.14E-06	9.70E-06
8616	437077.1	3763225	3.76E-05	0.000128	5.85E-06	2.10E-05	3.15E-06	9.73E-06
8617	437068.3	3763221	3.77E-05	0.000129	5.86E-06	2.10E-05	3.16E-06	9.74E-06
8618	437059.6	3763218	3.78E-05	0.000129	5.87E-06	2.10E-05	3.16E-06	9.76E-06
8619	437050.9	3763214	3.78E-05	0.000129	5.87E-06	2.11E-05	3.16E-06	9.77E-06
8620	437042.2	3763211	3.78E-05	0.000129	5.88E-06	2.11E-05	3.17E-06	9.78E-06
8621	437033.5	3763207	3.79E-05	0.000129	5.89E-06	2.11E-05	3.17E-06	9.79E-06
8622	437021.1	3763195	3.89E-05	0.000133	6.05E-06	2.17E-05	3.26E-06	1.01E-05
8623	437017.5	3763186	3.99E-05	0.000136	6.20E-06	2.22E-05	3.34E-06	1.03E-05
8624	437013.9	3763177	4.08E-05	0.000139	6.35E-06	2.28E-05	3.42E-06	1.06E-05
8625	437010.3	3763169	4.18E-05	0.000143	6.50E-06	2.33E-05	3.50E-06	1.08E-05
8626	437006.7	3763160	4.3E-05	0.000147	6.69E-06	2.40E-05	3.60E-06	1.11E-05
8627	437003.1	3763151	4.42E-05	0.000151	6.87E-06	2.46E-05	3.70E-06	1.14E-05
8628	436999.4	3763143	4.53E-05	0.000154	7.04E-06	2.52E-05	3.79E-06	1.17E-05

8629	436995.8	3763134	4.63E-05	0.000158	7.20E-06	2.58E-05	3.88E-06	1.20E-05
8630	436992.2	3763125	4.74E-05	0.000162	7.36E-06	2.64E-05	3.96E-06	1.22E-05
8631	436988.6	3763116	4.84E-05	0.000165	7.52E-06	2.70E-05	4.05E-06	1.25E-05
8632	436985	3763108	4.94E-05	0.000169	7.68E-06	2.75E-05	4.14E-06	1.28E-05
8633	436981.4	3763099	5.04E-05	0.000172	7.83E-06	2.81E-05	4.22E-06	1.30E-05
8634	436977.8	3763090	5.14E-05	0.000175	7.99E-06	2.86E-05	4.30E-06	1.33E-05
8635	436974.2	3763082	5.24E-05	0.000179	8.14E-06	2.92E-05	4.38E-06	1.35E-05
8636	436970.5	3763073	5.33E-05	0.000182	8.28E-06	2.97E-05	4.46E-06	1.38E-05
8637	436966.9	3763064	5.42E-05	0.000185	8.42E-06	3.02E-05	4.54E-06	1.40E-05
8638	436963.3	3763055	5.51E-05	0.000188	8.55E-06	3.07E-05	4.61E-06	1.42E-05
8639	436959.7	3763047	5.59E-05	0.000191	8.68E-06	3.11E-05	4.68E-06	1.44E-05
8640	436956.1	3763038	5.67E-05	0.000193	8.80E-06	3.16E-05	4.74E-06	1.46E-05
8641	436952.5	3763029	5.74E-05	0.000196	8.92E-06	3.20E-05	4.81E-06	1.48E-05
8642	436948.9	3763021	5.81E-05	0.000198	9.03E-06	3.24E-05	4.86E-06	1.50E-05
8643	436945.2	3763012	5.88E-05	0.0002	9.13E-06	3.27E-05	4.92E-06	1.52E-05
8644	436941.6	3763003	5.94E-05	0.000203	9.23E-06	3.31E-05	4.97E-06	1.53E-05
8645	436938	3762994	5.99E-05	0.000204	9.31E-06	3.34E-05	5.02E-06	1.55E-05
8646	436934.4	3762986	6.04E-05	0.000206	9.39E-06	3.37E-05	5.06E-06	1.56E-05
8647	436930.8	3762977	6.09E-05	0.000208	9.46E-06	3.39E-05	5.10E-06	1.57E-05
8648	436927.2	3762968	6.13E-05	0.000209	9.52E-06	3.41E-05	5.13E-06	1.58E-05
8649	436923.6	3762960	6.16E-05	0.00021	9.57E-06	3.43E-05	5.15E-06	1.59E-05
8650	436919.9	3762951	6.18E-05	0.000211	9.61E-06	3.44E-05	5.18E-06	1.60E-05
8651	436916.3	3762942	6.2E-05	0.000211	9.64E-06	3.45E-05	5.19E-06	1.60E-05
8652	436912.7	3762933	6.22E-05	0.000212	9.66E-06	3.46E-05	5.20E-06	1.61E-05
8653	436909.1	3762925	6.23E-05	0.000212	9.68E-06	3.47E-05	5.21E-06	1.61E-05
8654	436905.5	3762916	6.23E-05	0.000212	9.68E-06	3.47E-05	5.22E-06	1.61E-05
8655	436901.9	3762907	6.23E-05	0.000212	9.68E-06	3.47E-05	5.21E-06	1.61E-05
8656	436898.3	3762899	6.22E-05	0.000212	9.67E-06	3.47E-05	5.21E-06	1.61E-05
8657	437364.8	3763344	2.99E-05	0.000102	4.65E-06	1.67E-05	2.50E-06	7.73E-06
8658	437374.5	3763344	3.02E-05	0.000103	4.69E-06	1.68E-05	2.53E-06	7.80E-06
8659	437384.1	3763344	3.05E-05	0.000104	4.74E-06	1.70E-05	2.55E-06	7.88E-06
8660	437393.8	3763344	3.08E-05	0.000105	4.79E-06	1.72E-05	2.58E-06	7.96E-06
8661	437403.4	3763344	3.11E-05	0.000106	4.84E-06	1.73E-05	2.61E-06	8.05E-06
8662	437413.1	3763344	3.15E-05	0.000108	4.90E-06	1.76E-05	2.64E-06	8.15E-06
8663	437422.7	3763344	3.19E-05	0.000109	4.96E-06	1.78E-05	2.67E-06	8.25E-06
8664	437432.4	3763344	3.23E-05	0.00011	5.02E-06	1.80E-05	2.71E-06	8.36E-06
8665	437442	3763344	3.27E-05	0.000111	5.08E-06	1.82E-05	2.74E-06	8.45E-06
8666	437451.7	3763344	3.3E-05	0.000113	5.13E-06	1.84E-05	2.77E-06	8.54E-06
8667	437461.3	3763344	3.34E-05	0.000114	5.19E-06	1.86E-05	2.80E-06	8.63E-06
8668	437471	3763344	3.38E-05	0.000115	5.25E-06	1.88E-05	2.83E-06	8.72E-06
8669	437480.6	3763344	3.41E-05	0.000116	5.30E-06	1.90E-05	2.86E-06	8.82E-06
8670	437490.3	3763343	3.45E-05	0.000118	5.36E-06	1.92E-05	2.89E-06	8.92E-06
8671	437499.9	3763343	3.49E-05	0.000119	5.43E-06	1.95E-05	2.92E-06	9.03E-06
8672	437509.6	3763343	3.54E-05	0.000121	5.50E-06	1.97E-05	2.96E-06	9.14E-06
8673	437519.2	3763343	3.58E-05	0.000122	5.57E-06	2.00E-05	3.00E-06	9.25E-06
8674	437528.9	3763343	3.61E-05	0.000123	5.61E-06	2.01E-05	3.02E-06	9.32E-06
8675	437538.5	3763343	3.63E-05	0.000124	5.65E-06	2.02E-05	3.04E-06	9.39E-06
8676	437548.2	3763343	3.66E-05	0.000125	5.69E-06	2.04E-05	3.06E-06	9.46E-06
8677	437356	3763370	2.71E-05	9.25E-05	4.21E-06	1.51E-05	2.27E-06	7.01E-06
8678	437347.2	3763366	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
8679	437338.4	3763363	2.73E-05	9.32E-05	4.25E-06	1.52E-05	2.29E-06	7.06E-06
8680	437329.6	3763359	2.74E-05	9.36E-05	4.26E-06	1.53E-05	2.30E-06	7.09E-06

8681	437320.8	3763356	2.76E-05	9.4E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
8682	437312	3763352	2.77E-05	9.44E-05	4.30E-06	1.54E-05	2.32E-06	7.16E-06
8683	437303.2	3763348	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
8684	437294.4	3763345	2.8E-05	9.53E-05	4.34E-06	1.56E-05	2.34E-06	7.22E-06
8685	437285.6	3763341	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
8686	437276.7	3763337	2.83E-05	9.66E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
8687	437267.9	3763334	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06
8688	437259.1	3763330	2.88E-05	9.83E-05	4.48E-06	1.61E-05	2.41E-06	7.45E-06
8689	437250.3	3763326	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.43E-06	7.52E-06
8690	437241.5	3763323	2.94E-05	0.0001	4.56E-06	1.64E-05	2.46E-06	7.59E-06
8691	437232.7	3763319	2.96E-05	0.000101	4.60E-06	1.65E-05	2.48E-06	7.65E-06
8692	437223.9	3763316	2.99E-05	0.000102	4.64E-06	1.67E-05	2.50E-06	7.72E-06
8693	437215.1	3763312	3.02E-05	0.000103	4.69E-06	1.68E-05	2.53E-06	7.80E-06
8694	437206.2	3763308	3.05E-05	0.000104	4.73E-06	1.70E-05	2.55E-06	7.87E-06
8695	437197.4	3763305	3.07E-05	0.000105	4.78E-06	1.71E-05	2.57E-06	7.95E-06
8696	437188.6	3763301	3.1E-05	0.000106	4.82E-06	1.73E-05	2.60E-06	8.02E-06
8697	437144.6	3763283	3.23E-05	0.00011	5.02E-06	1.80E-05	2.70E-06	8.34E-06
8698	437135.7	3763279	3.24E-05	0.000111	5.04E-06	1.81E-05	2.72E-06	8.38E-06
8699	437126.9	3763276	3.26E-05	0.000111	5.07E-06	1.82E-05	2.73E-06	8.42E-06
8700	437118.1	3763272	3.28E-05	0.000112	5.09E-06	1.82E-05	2.74E-06	8.46E-06
8701	437109.3	3763268	3.29E-05	0.000112	5.11E-06	1.83E-05	2.75E-06	8.50E-06
8702	437100.5	3763265	3.3E-05	0.000113	5.13E-06	1.84E-05	2.76E-06	8.53E-06
8703	437091.7	3763261	3.33E-05	0.000113	5.17E-06	1.85E-05	2.79E-06	8.60E-06
8704	437082.9	3763257	3.35E-05	0.000114	5.21E-06	1.87E-05	2.81E-06	8.66E-06
8705	437074.1	3763254	3.37E-05	0.000115	5.24E-06	1.88E-05	2.82E-06	8.71E-06
8706	437065.2	3763250	3.39E-05	0.000116	5.26E-06	1.89E-05	2.84E-06	8.75E-06
8707	437056.4	3763247	3.4E-05	0.000116	5.28E-06	1.89E-05	2.85E-06	8.78E-06
8708	437047.6	3763243	3.41E-05	0.000116	5.30E-06	1.90E-05	2.85E-06	8.81E-06
8709	437038.8	3763239	3.42E-05	0.000117	5.31E-06	1.90E-05	2.86E-06	8.83E-06
8710	437030	3763236	3.42E-05	0.000117	5.32E-06	1.91E-05	2.87E-06	8.85E-06
8711	437021.2	3763232	3.43E-05	0.000117	5.33E-06	1.91E-05	2.87E-06	8.86E-06
8712	437012.4	3763228	3.43E-05	0.000117	5.34E-06	1.91E-05	2.87E-06	8.87E-06
8713	436999.9	3763216	3.52E-05	0.00012	5.47E-06	1.96E-05	2.95E-06	9.10E-06
8714	436996.2	3763207	3.61E-05	0.000123	5.61E-06	2.01E-05	3.02E-06	9.33E-06
8715	436992.6	3763198	3.7E-05	0.000126	5.74E-06	2.06E-05	3.09E-06	9.55E-06
8716	436988.9	3763190	3.78E-05	0.000129	5.88E-06	2.11E-05	3.17E-06	9.78E-06
8717	436985.3	3763181	3.87E-05	0.000132	6.02E-06	2.16E-05	3.24E-06	1.00E-05
8718	436981.6	3763172	3.96E-05	0.000135	6.16E-06	2.21E-05	3.32E-06	1.02E-05
8719	436978	3763163	4.06E-05	0.000139	6.31E-06	2.26E-05	3.40E-06	1.05E-05
8720	436974.3	3763154	4.15E-05	0.000142	6.45E-06	2.31E-05	3.48E-06	1.07E-05
8721	436970.7	3763145	4.24E-05	0.000145	6.59E-06	2.36E-05	3.55E-06	1.10E-05
8722	436967	3763137	4.33E-05	0.000148	6.73E-06	2.41E-05	3.63E-06	1.12E-05
8723	436963.4	3763128	4.42E-05	0.000151	6.87E-06	2.46E-05	3.70E-06	1.14E-05
8724	436959.7	3763119	4.51E-05	0.000154	7.01E-06	2.51E-05	3.77E-06	1.17E-05
8725	436956.1	3763110	4.6E-05	0.000157	7.14E-06	2.56E-05	3.85E-06	1.19E-05
8726	436952.4	3763101	4.68E-05	0.00016	7.27E-06	2.61E-05	3.92E-06	1.21E-05
8727	436948.8	3763093	4.76E-05	0.000162	7.40E-06	2.65E-05	3.99E-06	1.23E-05
8728	436945.1	3763084	4.85E-05	0.000165	7.53E-06	2.70E-05	4.06E-06	1.25E-05
8729	436941.5	3763075	4.92E-05	0.000168	7.65E-06	2.74E-05	4.12E-06	1.27E-05
8730	436937.8	3763066	5E-05	0.00017	7.77E-06	2.78E-05	4.18E-06	1.29E-05
8731	436934.2	3763057	5.07E-05	0.000173	7.88E-06	2.82E-05	4.24E-06	1.31E-05
8732	436930.5	3763049	5.14E-05	0.000175	7.98E-06	2.86E-05	4.30E-06	1.33E-05

8733	436926.9	3763040	5.2E-05	0.000177	8.08E-06	2.90E-05	4.35E-06	1.34E-05
8734	436923.2	3763031	5.26E-05	0.000179	8.18E-06	2.93E-05	4.40E-06	1.36E-05
8735	436919.5	3763022	5.32E-05	0.000181	8.26E-06	2.96E-05	4.45E-06	1.37E-05
8736	436915.9	3763013	5.37E-05	0.000183	8.34E-06	2.99E-05	4.50E-06	1.39E-05
8737	436912.2	3763005	5.42E-05	0.000185	8.42E-06	3.02E-05	4.54E-06	1.40E-05
8738	436908.6	3762996	5.46E-05	0.000186	8.49E-06	3.04E-05	4.57E-06	1.41E-05
8739	436904.9	3762987	5.5E-05	0.000188	8.55E-06	3.06E-05	4.60E-06	1.42E-05
8740	436901.3	3762978	5.53E-05	0.000189	8.60E-06	3.08E-05	4.63E-06	1.43E-05
8741	436897.6	3762969	5.56E-05	0.00019	8.64E-06	3.10E-05	4.66E-06	1.44E-05
8742	436894	3762961	5.58E-05	0.00019	8.68E-06	3.11E-05	4.67E-06	1.44E-05
8743	436890.3	3762952	5.6E-05	0.000191	8.71E-06	3.12E-05	4.69E-06	1.45E-05
8744	436886.7	3762943	5.62E-05	0.000192	8.73E-06	3.13E-05	4.70E-06	1.45E-05
8745	436883	3762934	5.63E-05	0.000192	8.74E-06	3.13E-05	4.71E-06	1.45E-05
8746	436879.4	3762925	5.63E-05	0.000192	8.75E-06	3.14E-05	4.71E-06	1.45E-05
8747	436875.7	3762917	5.63E-05	0.000192	8.75E-06	3.14E-05	4.71E-06	1.45E-05
8748	436872.1	3762908	5.63E-05	0.000192	8.74E-06	3.13E-05	4.71E-06	1.45E-05
8749	436868.4	3762899	5.62E-05	0.000192	8.73E-06	3.13E-05	4.70E-06	1.45E-05
8750	437364.9	3763374	2.7E-05	9.21E-05	4.20E-06	1.51E-05	2.26E-06	6.98E-06
8751	437374.5	3763374	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.04E-06
8752	437384.2	3763374	2.74E-05	9.34E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
8753	437393.8	3763374	2.76E-05	9.4E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
8754	437403.5	3763374	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.18E-06
8755	437413.1	3763374	2.81E-05	9.59E-05	4.37E-06	1.57E-05	2.35E-06	7.27E-06
8756	437422.8	3763374	2.85E-05	9.7E-05	4.42E-06	1.59E-05	2.38E-06	7.35E-06
8757	437432.4	3763374	2.88E-05	9.82E-05	4.47E-06	1.60E-05	2.41E-06	7.44E-06
8758	437442.1	3763374	2.91E-05	9.92E-05	4.52E-06	1.62E-05	2.43E-06	7.51E-06
8759	437451.7	3763374	2.94E-05	0.0001	4.56E-06	1.64E-05	2.46E-06	7.59E-06
8760	437461.4	3763374	2.97E-05	0.000101	4.61E-06	1.65E-05	2.48E-06	7.67E-06
8761	437471	3763374	3E-05	0.000102	4.67E-06	1.67E-05	2.51E-06	7.76E-06
8762	437480.7	3763374	3.04E-05	0.000104	4.72E-06	1.69E-05	2.54E-06	7.85E-06
8763	437490.3	3763373	3.08E-05	0.000105	4.78E-06	1.71E-05	2.57E-06	7.95E-06
8764	437500	3763373	3.11E-05	0.000106	4.83E-06	1.73E-05	2.60E-06	8.03E-06
8765	437509.6	3763373	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.12E-06
8766	437519.3	3763373	3.18E-05	0.000108	4.94E-06	1.77E-05	2.66E-06	8.21E-06
8767	437528.9	3763373	3.21E-05	0.000109	4.99E-06	1.79E-05	2.69E-06	8.29E-06
8768	437538.6	3763373	3.24E-05	0.00011	5.03E-06	1.80E-05	2.71E-06	8.37E-06
8769	437548.2	3763373	3.27E-05	0.000112	5.08E-06	1.82E-05	2.74E-06	8.45E-06
8770	437356	3763400	2.46E-05	8.4E-05	3.83E-06	1.37E-05	2.06E-06	6.36E-06
8771	437347.1	3763396	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
8772	437338.2	3763393	2.49E-05	8.48E-05	3.86E-06	1.38E-05	2.08E-06	6.42E-06
8773	437329.3	3763389	2.5E-05	8.52E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
8774	437320.4	3763385	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
8775	437311.5	3763382	2.52E-05	8.58E-05	3.91E-06	1.40E-05	2.11E-06	6.50E-06
8776	437302.6	3763378	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
8777	437293.7	3763374	2.54E-05	8.65E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
8778	437284.9	3763371	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
8779	437276	3763367	2.56E-05	8.72E-05	3.97E-06	1.42E-05	2.14E-06	6.61E-06
8780	437267.1	3763363	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
8781	437258.2	3763360	2.58E-05	8.8E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
8782	437249.3	3763356	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
8783	437240.4	3763352	2.61E-05	8.91E-05	4.06E-06	1.46E-05	2.19E-06	6.75E-06
8784	437231.5	3763349	2.64E-05	8.99E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06

8785	437222.6	3763345	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
8786	437213.7	3763341	2.69E-05	9.16E-05	4.17E-06	1.50E-05	2.25E-06	6.94E-06
8787	437204.8	3763338	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
8788	437195.9	3763334	2.73E-05	9.31E-05	4.24E-06	1.52E-05	2.29E-06	7.06E-06
8789	437187	3763330	2.75E-05	9.39E-05	4.28E-06	1.53E-05	2.31E-06	7.12E-06
8790	437142.5	3763312	2.87E-05	9.78E-05	4.46E-06	1.60E-05	2.40E-06	7.41E-06
8791	437133.6	3763308	2.89E-05	9.85E-05	4.49E-06	1.61E-05	2.42E-06	7.46E-06
8792	437124.7	3763305	2.91E-05	9.91E-05	4.52E-06	1.62E-05	2.43E-06	7.51E-06
8793	437115.8	3763301	2.92E-05	9.97E-05	4.54E-06	1.63E-05	2.45E-06	7.56E-06
8794	437106.9	3763297	2.94E-05	0.0001	4.57E-06	1.64E-05	2.46E-06	7.59E-06
8795	437098	3763294	2.95E-05	0.000101	4.59E-06	1.65E-05	2.47E-06	7.63E-06
8796	437089.1	3763290	2.98E-05	0.000101	4.62E-06	1.66E-05	2.49E-06	7.69E-06
8797	437080.2	3763286	3E-05	0.000102	4.66E-06	1.67E-05	2.51E-06	7.75E-06
8798	437071.3	3763283	3.02E-05	0.000103	4.69E-06	1.68E-05	2.53E-06	7.81E-06
8799	437062.4	3763279	3.04E-05	0.000104	4.73E-06	1.69E-05	2.55E-06	7.86E-06
8800	437053.5	3763275	3.06E-05	0.000104	4.75E-06	1.70E-05	2.56E-06	7.90E-06
8801	437044.6	3763272	3.07E-05	0.000105	4.78E-06	1.71E-05	2.57E-06	7.94E-06
8802	437035.7	3763268	3.08E-05	0.000105	4.79E-06	1.72E-05	2.58E-06	7.97E-06
8803	437026.8	3763264	3.09E-05	0.000106	4.81E-06	1.72E-05	2.59E-06	7.99E-06
8804	437018	3763261	3.1E-05	0.000106	4.82E-06	1.73E-05	2.60E-06	8.01E-06
8805	437009.1	3763257	3.11E-05	0.000106	4.83E-06	1.73E-05	2.60E-06	8.03E-06
8806	437000.2	3763253	3.12E-05	0.000106	4.85E-06	1.74E-05	2.61E-06	8.06E-06
8807	436991.3	3763250	3.12E-05	0.000107	4.85E-06	1.74E-05	2.62E-06	8.07E-06
8808	436978.7	3763237	3.2E-05	0.000109	4.97E-06	1.78E-05	2.68E-06	8.27E-06
8809	436975	3763228	3.27E-05	0.000112	5.08E-06	1.82E-05	2.74E-06	8.45E-06
8810	436971.3	3763219	3.35E-05	0.000114	5.20E-06	1.87E-05	2.80E-06	8.65E-06
8811	436967.6	3763210	3.43E-05	0.000117	5.32E-06	1.91E-05	2.87E-06	8.85E-06
8812	436963.9	3763202	3.5E-05	0.00012	5.45E-06	1.95E-05	2.93E-06	9.06E-06
8813	436960.2	3763193	3.58E-05	0.000122	5.57E-06	2.00E-05	3.00E-06	9.26E-06
8814	436956.6	3763184	3.66E-05	0.000125	5.69E-06	2.04E-05	3.07E-06	9.46E-06
8815	436952.9	3763175	3.74E-05	0.000128	5.81E-06	2.08E-05	3.13E-06	9.67E-06
8816	436949.2	3763166	3.82E-05	0.00013	5.94E-06	2.13E-05	3.20E-06	9.88E-06
8817	436945.5	3763157	3.9E-05	0.000133	6.07E-06	2.18E-05	3.27E-06	1.01E-05
8818	436941.8	3763148	3.98E-05	0.000136	6.19E-06	2.22E-05	3.33E-06	1.03E-05
8819	436938.1	3763139	4.06E-05	0.000138	6.31E-06	2.26E-05	3.40E-06	1.05E-05
8820	436934.4	3763130	4.14E-05	0.000141	6.43E-06	2.30E-05	3.46E-06	1.07E-05
8821	436930.7	3763122	4.21E-05	0.000144	6.54E-06	2.35E-05	3.53E-06	1.09E-05
8822	436927.1	3763113	4.29E-05	0.000146	6.66E-06	2.39E-05	3.59E-06	1.11E-05
8823	436923.4	3763104	4.36E-05	0.000149	6.77E-06	2.43E-05	3.65E-06	1.13E-05
8824	436919.7	3763095	4.43E-05	0.000151	6.88E-06	2.47E-05	3.71E-06	1.14E-05
8825	436916	3763086	4.49E-05	0.000153	6.98E-06	2.50E-05	3.76E-06	1.16E-05
8826	436912.3	3763077	4.56E-05	0.000155	7.08E-06	2.54E-05	3.82E-06	1.18E-05
8827	436908.6	3763068	4.62E-05	0.000158	7.18E-06	2.57E-05	3.87E-06	1.19E-05
8828	436904.9	3763059	4.68E-05	0.00016	7.27E-06	2.61E-05	3.92E-06	1.21E-05
8829	436901.2	3763050	4.74E-05	0.000161	7.36E-06	2.64E-05	3.96E-06	1.22E-05
8830	436897.6	3763042	4.79E-05	0.000163	7.44E-06	2.67E-05	4.01E-06	1.24E-05
8831	436893.9	3763033	4.84E-05	0.000165	7.52E-06	2.69E-05	4.05E-06	1.25E-05
8832	436890.2	3763024	4.88E-05	0.000166	7.59E-06	2.72E-05	4.09E-06	1.26E-05
8833	436886.5	3763015	4.92E-05	0.000168	7.65E-06	2.74E-05	4.12E-06	1.27E-05
8834	436882.8	3763006	4.96E-05	0.000169	7.71E-06	2.76E-05	4.15E-06	1.28E-05
8835	436879.1	3762997	5E-05	0.00017	7.76E-06	2.78E-05	4.18E-06	1.29E-05
8836	436875.4	3762988	5.03E-05	0.000171	7.81E-06	2.80E-05	4.21E-06	1.30E-05

8837	436871.7	3762979	5.05E-05	0.000172	7.85E-06	2.81E-05	4.23E-06	1.31E-05
8838	436868.1	3762970	5.07E-05	0.000173	7.88E-06	2.83E-05	4.25E-06	1.31E-05
8839	436864.4	3762962	5.09E-05	0.000174	7.91E-06	2.84E-05	4.26E-06	1.32E-05
8840	436860.7	3762953	5.1E-05	0.000174	7.93E-06	2.84E-05	4.27E-06	1.32E-05
8841	436857	3762944	5.11E-05	0.000174	7.94E-06	2.85E-05	4.28E-06	1.32E-05
8842	436853.3	3762935	5.12E-05	0.000174	7.95E-06	2.85E-05	4.28E-06	1.32E-05
8843	436849.6	3762926	5.12E-05	0.000175	7.95E-06	2.85E-05	4.28E-06	1.32E-05
8844	436845.9	3762917	5.12E-05	0.000174	7.95E-06	2.85E-05	4.28E-06	1.32E-05
8845	436842.2	3762908	5.11E-05	0.000174	7.94E-06	2.85E-05	4.28E-06	1.32E-05
8846	436838.6	3762899	5.1E-05	0.000174	7.93E-06	2.84E-05	4.27E-06	1.32E-05
8847	437364.9	3763404	2.45E-05	8.35E-05	3.81E-06	1.36E-05	2.05E-06	6.33E-06
8848	437374.6	3763404	2.46E-05	8.4E-05	3.83E-06	1.37E-05	2.06E-06	6.37E-06
8849	437384.2	3763404	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
8850	437393.9	3763404	2.49E-05	8.49E-05	3.87E-06	1.39E-05	2.08E-06	6.43E-06
8851	437403.5	3763404	2.51E-05	8.54E-05	3.89E-06	1.40E-05	2.10E-06	6.47E-06
8852	437413.2	3763404	2.53E-05	8.61E-05	3.92E-06	1.41E-05	2.11E-06	6.53E-06
8853	437422.8	3763404	2.55E-05	8.68E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
8854	437432.5	3763404	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
8855	437442.1	3763404	2.6E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.71E-06
8856	437451.8	3763404	2.63E-05	8.96E-05	4.08E-06	1.46E-05	2.20E-06	6.79E-06
8857	437461.4	3763404	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.86E-06
8858	437471.1	3763404	2.68E-05	9.15E-05	4.17E-06	1.49E-05	2.24E-06	6.93E-06
8859	437480.7	3763404	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.00E-06
8860	437490.4	3763403	2.74E-05	9.33E-05	4.25E-06	1.52E-05	2.29E-06	7.07E-06
8861	437500	3763403	2.76E-05	9.42E-05	4.29E-06	1.54E-05	2.31E-06	7.14E-06
8862	437509.7	3763403	2.79E-05	9.51E-05	4.34E-06	1.55E-05	2.34E-06	7.21E-06
8863	437519.3	3763403	2.82E-05	9.61E-05	4.38E-06	1.57E-05	2.36E-06	7.28E-06
8864	437529	3763403	2.84E-05	9.69E-05	4.41E-06	1.58E-05	2.38E-06	7.34E-06
8865	437538.6	3763403	2.86E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.40E-06
8866	437548.3	3763403	2.88E-05	9.81E-05	4.47E-06	1.60E-05	2.41E-06	7.43E-06
8867	437356.2	3763430	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
8868	437347.4	3763427	2.26E-05	7.69E-05	3.51E-06	1.26E-05	1.89E-06	5.83E-06
8869	437338.7	3763423	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.86E-06
8870	437329.9	3763419	2.28E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
8871	437321.1	3763416	2.3E-05	7.84E-05	3.57E-06	1.28E-05	1.92E-06	5.94E-06
8872	437312.3	3763412	2.31E-05	7.89E-05	3.59E-06	1.29E-05	1.94E-06	5.98E-06
8873	437303.5	3763408	2.33E-05	7.94E-05	3.62E-06	1.30E-05	1.95E-06	6.01E-06
8874	437294.8	3763405	2.34E-05	7.97E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06
8875	437286	3763401	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
8876	437277.2	3763398	2.35E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.08E-06
8877	437268.4	3763394	2.36E-05	8.03E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
8878	437259.6	3763390	2.36E-05	8.04E-05	3.66E-06	1.31E-05	1.97E-06	6.09E-06
8879	437250.9	3763387	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
8880	437242.1	3763383	2.37E-05	8.09E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06
8881	437233.3	3763379	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.16E-06
8882	437224.5	3763376	2.4E-05	8.19E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
8883	437215.8	3763372	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
8884	437207	3763369	2.43E-05	8.3E-05	3.78E-06	1.36E-05	2.04E-06	6.29E-06
8885	437198.2	3763365	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.33E-06
8886	437189.4	3763361	2.47E-05	8.42E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
8887	437145.5	3763343	2.57E-05	8.77E-05	4.00E-06	1.43E-05	2.15E-06	6.65E-06
8888	437136.7	3763340	2.59E-05	8.83E-05	4.03E-06	1.44E-05	2.17E-06	6.69E-06

8889	437128	3763336	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.74E-06
8890	437119.2	3763332	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.78E-06
8891	437110.4	3763329	2.64E-05	9E-05	4.10E-06	1.47E-05	2.21E-06	6.82E-06
8892	437101.6	3763325	2.65E-05	9.05E-05	4.12E-06	1.48E-05	2.22E-06	6.86E-06
8893	437092.9	3763322	2.68E-05	9.13E-05	4.16E-06	1.49E-05	2.24E-06	6.91E-06
8894	437084.1	3763318	2.7E-05	9.2E-05	4.19E-06	1.50E-05	2.26E-06	6.97E-06
8895	437075.3	3763314	2.72E-05	9.26E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
8896	437066.5	3763311	2.73E-05	9.32E-05	4.25E-06	1.52E-05	2.29E-06	7.06E-06
8897	437057.7	3763307	2.75E-05	9.37E-05	4.27E-06	1.53E-05	2.30E-06	7.10E-06
8898	437049	3763303	2.76E-05	9.43E-05	4.30E-06	1.54E-05	2.31E-06	7.14E-06
8899	437040.2	3763300	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.19E-06
8900	437031.4	3763296	2.79E-05	9.53E-05	4.34E-06	1.56E-05	2.34E-06	7.22E-06
8901	437022.6	3763293	2.81E-05	9.57E-05	4.36E-06	1.56E-05	2.35E-06	7.25E-06
8902	437013.8	3763289	2.82E-05	9.61E-05	4.38E-06	1.57E-05	2.36E-06	7.28E-06
8903	437005.1	3763285	2.82E-05	9.62E-05	4.39E-06	1.57E-05	2.36E-06	7.29E-06
8904	436996.3	3763282	2.83E-05	9.64E-05	4.39E-06	1.58E-05	2.37E-06	7.31E-06
8905	436987.5	3763278	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
8906	436978.7	3763274	2.84E-05	9.7E-05	4.42E-06	1.58E-05	2.38E-06	7.35E-06
8907	436970	3763271	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
8908	436957.5	3763258	2.92E-05	9.95E-05	4.54E-06	1.63E-05	2.44E-06	7.54E-06
8909	436953.9	3763250	2.98E-05	0.000102	4.63E-06	1.66E-05	2.50E-06	7.70E-06
8910	436950.3	3763241	3.05E-05	0.000104	4.73E-06	1.70E-05	2.55E-06	7.87E-06
8911	436946.6	3763232	3.11E-05	0.000106	4.84E-06	1.73E-05	2.60E-06	8.04E-06
8912	436943	3763223	3.18E-05	0.000108	4.94E-06	1.77E-05	2.66E-06	8.22E-06
8913	436939.3	3763215	3.25E-05	0.000111	5.05E-06	1.81E-05	2.72E-06	8.39E-06
8914	436935.7	3763206	3.32E-05	0.000113	5.15E-06	1.85E-05	2.77E-06	8.57E-06
8915	436932.1	3763197	3.38E-05	0.000115	5.26E-06	1.88E-05	2.83E-06	8.74E-06
8916	436928.4	3763188	3.45E-05	0.000118	5.36E-06	1.92E-05	2.89E-06	8.92E-06
8917	436924.8	3763180	3.52E-05	0.00012	5.47E-06	1.96E-05	2.95E-06	9.09E-06
8918	436921.1	3763171	3.59E-05	0.000122	5.57E-06	2.00E-05	3.00E-06	9.27E-06
8919	436917.5	3763162	3.66E-05	0.000125	5.69E-06	2.04E-05	3.06E-06	9.46E-06
8920	436913.9	3763153	3.73E-05	0.000127	5.79E-06	2.08E-05	3.12E-06	9.63E-06
8921	436910.2	3763144	3.79E-05	0.000129	5.89E-06	2.11E-05	3.17E-06	9.80E-06
8922	436906.6	3763136	3.86E-05	0.000131	5.99E-06	2.15E-05	3.23E-06	9.96E-06
8923	436903	3763127	3.92E-05	0.000134	6.09E-06	2.18E-05	3.28E-06	1.01E-05
8924	436899.3	3763118	3.98E-05	0.000136	6.19E-06	2.22E-05	3.33E-06	1.03E-05
8925	436895.7	3763109	4.04E-05	0.000138	6.28E-06	2.25E-05	3.38E-06	1.04E-05
8926	436892	3763101	4.1E-05	0.00014	6.37E-06	2.28E-05	3.43E-06	1.06E-05
8927	436888.4	3763092	4.16E-05	0.000142	6.46E-06	2.31E-05	3.48E-06	1.07E-05
8928	436884.8	3763083	4.21E-05	0.000144	6.54E-06	2.34E-05	3.52E-06	1.09E-05
8929	436881.1	3763074	4.26E-05	0.000145	6.62E-06	2.37E-05	3.57E-06	1.10E-05
8930	436877.5	3763065	4.31E-05	0.000147	6.69E-06	2.40E-05	3.61E-06	1.11E-05
8931	436873.9	3763057	4.35E-05	0.000148	6.77E-06	2.43E-05	3.65E-06	1.13E-05
8932	436870.2	3763048	4.4E-05	0.00015	6.83E-06	2.45E-05	3.68E-06	1.14E-05
8933	436866.6	3763039	4.44E-05	0.000151	6.90E-06	2.47E-05	3.72E-06	1.15E-05
8934	436862.9	3763030	4.48E-05	0.000153	6.96E-06	2.49E-05	3.75E-06	1.16E-05
8935	436859.3	3763022	4.51E-05	0.000154	7.01E-06	2.51E-05	3.78E-06	1.17E-05
8936	436855.7	3763013	4.54E-05	0.000155	7.06E-06	2.53E-05	3.80E-06	1.17E-05
8937	436852	3763004	4.57E-05	0.000156	7.10E-06	2.55E-05	3.82E-06	1.18E-05
8938	436848.4	3762995	4.59E-05	0.000157	7.14E-06	2.56E-05	3.85E-06	1.19E-05
8939	436844.7	3762987	4.61E-05	0.000157	7.17E-06	2.57E-05	3.86E-06	1.19E-05
8940	436841.1	3762978	4.63E-05	0.000158	7.20E-06	2.58E-05	3.88E-06	1.20E-05

8941	436837.5	3762969	4.65E-05	0.000158	7.22E-06	2.59E-05	3.89E-06	1.20E-05
8942	436833.8	3762960	4.66E-05	0.000159	7.24E-06	2.59E-05	3.90E-06	1.20E-05
8943	436830.2	3762951	4.67E-05	0.000159	7.25E-06	2.60E-05	3.90E-06	1.21E-05
8944	436826.6	3762943	4.67E-05	0.000159	7.26E-06	2.60E-05	3.91E-06	1.21E-05
8945	436822.9	3762934	4.67E-05	0.000159	7.26E-06	2.60E-05	3.91E-06	1.21E-05
8946	436819.3	3762925	4.67E-05	0.000159	7.26E-06	2.60E-05	3.91E-06	1.21E-05
8947	436815.6	3762916	4.67E-05	0.000159	7.25E-06	2.60E-05	3.91E-06	1.21E-05
8948	436812	3762908	4.66E-05	0.000159	7.24E-06	2.60E-05	3.90E-06	1.20E-05
8949	437365	3763434	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
8950	437374.6	3763434	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
8951	437384.3	3763434	2.26E-05	7.7E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
8952	437393.9	3763434	2.27E-05	7.75E-05	3.53E-06	1.27E-05	1.90E-06	5.87E-06
8953	437403.6	3763434	2.29E-05	7.8E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
8954	437413.2	3763434	2.3E-05	7.86E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
8955	437422.9	3763434	2.32E-05	7.91E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
8956	437432.5	3763434	2.34E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
8957	437442.2	3763434	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
8958	437451.8	3763434	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
8959	437461.5	3763434	2.38E-05	8.11E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
8960	437471.1	3763434	2.4E-05	8.2E-05	3.73E-06	1.34E-05	2.01E-06	6.21E-06
8961	437480.8	3763434	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
8962	437490.4	3763433	2.45E-05	8.36E-05	3.81E-06	1.37E-05	2.05E-06	6.34E-06
8963	437500.1	3763433	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.39E-06
8964	437509.7	3763433	2.5E-05	8.51E-05	3.88E-06	1.39E-05	2.09E-06	6.45E-06
8965	437519.4	3763433	2.52E-05	8.58E-05	3.91E-06	1.40E-05	2.11E-06	6.50E-06
8966	437529	3763433	2.54E-05	8.64E-05	3.94E-06	1.41E-05	2.12E-06	6.55E-06
8967	437538.7	3763433	2.55E-05	8.71E-05	3.97E-06	1.42E-05	2.14E-06	6.60E-06
8968	437548.3	3763433	2.57E-05	8.77E-05	4.00E-06	1.43E-05	2.15E-06	6.64E-06
8969	437356.2	3763460	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
8970	437347.3	3763456	2.05E-05	7E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
8971	437338.5	3763453	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06
8972	437329.6	3763449	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
8973	437320.8	3763445	2.09E-05	7.14E-05	3.25E-06	1.17E-05	1.75E-06	5.41E-06
8974	437311.9	3763442	2.11E-05	7.2E-05	3.28E-06	1.18E-05	1.77E-06	5.45E-06
8975	437303.1	3763438	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.50E-06
8976	437294.2	3763435	2.14E-05	7.29E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
8977	437285.3	3763431	2.15E-05	7.32E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
8978	437276.5	3763427	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
8979	437267.6	3763424	2.17E-05	7.39E-05	3.37E-06	1.21E-05	1.82E-06	5.60E-06
8980	437258.8	3763420	2.17E-05	7.41E-05	3.38E-06	1.21E-05	1.82E-06	5.61E-06
8981	437249.9	3763416	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
8982	437241.1	3763413	2.18E-05	7.43E-05	3.38E-06	1.21E-05	1.82E-06	5.63E-06
8983	437232.2	3763409	2.18E-05	7.44E-05	3.39E-06	1.22E-05	1.83E-06	5.64E-06
8984	437223.4	3763405	2.19E-05	7.46E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
8985	437214.5	3763402	2.2E-05	7.5E-05	3.42E-06	1.22E-05	1.84E-06	5.68E-06
8986	437205.6	3763398	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.71E-06
8987	437196.8	3763394	2.22E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.75E-06
8988	437187.9	3763391	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.87E-06	5.79E-06
8989	437143.7	3763372	2.33E-05	7.93E-05	3.61E-06	1.30E-05	1.95E-06	6.01E-06
8990	437134.8	3763369	2.34E-05	7.99E-05	3.64E-06	1.31E-05	1.96E-06	6.06E-06
8991	437125.9	3763365	2.36E-05	8.05E-05	3.67E-06	1.31E-05	1.98E-06	6.10E-06
8992	437117.1	3763361	2.37E-05	8.1E-05	3.69E-06	1.32E-05	1.99E-06	6.13E-06

8993	437108.2	3763358	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
8994	437099.4	3763354	2.4E-05	8.19E-05	3.73E-06	1.34E-05	2.01E-06	6.20E-06
8995	437090.5	3763351	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
8996	437081.7	3763347	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
8997	437072.8	3763343	2.46E-05	8.38E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
8998	437064	3763340	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
8999	437055.1	3763336	2.49E-05	8.5E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
9000	437046.2	3763332	2.51E-05	8.55E-05	3.90E-06	1.40E-05	2.10E-06	6.48E-06
9001	437037.4	3763329	2.52E-05	8.59E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
9002	437028.5	3763325	2.53E-05	8.63E-05	3.93E-06	1.41E-05	2.12E-06	6.54E-06
9003	437019.7	3763321	2.54E-05	8.67E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
9004	437010.8	3763318	2.55E-05	8.7E-05	3.97E-06	1.42E-05	2.14E-06	6.60E-06
9005	437002	3763314	2.56E-05	8.74E-05	3.98E-06	1.43E-05	2.14E-06	6.62E-06
9006	436993.1	3763310	2.57E-05	8.76E-05	3.99E-06	1.43E-05	2.15E-06	6.64E-06
9007	436984.3	3763307	2.58E-05	8.79E-05	4.00E-06	1.44E-05	2.16E-06	6.66E-06
9008	436975.4	3763303	2.58E-05	8.8E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
9009	436966.5	3763299	2.59E-05	8.82E-05	4.02E-06	1.44E-05	2.16E-06	6.68E-06
9010	436957.7	3763296	2.59E-05	8.84E-05	4.03E-06	1.44E-05	2.17E-06	6.70E-06
9011	436948.8	3763292	2.6E-05	8.85E-05	4.03E-06	1.45E-05	2.17E-06	6.71E-06
9012	436936.3	3763280	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.86E-06
9013	436932.6	3763271	2.72E-05	9.26E-05	4.22E-06	1.51E-05	2.27E-06	7.02E-06
9014	436929	3763262	2.78E-05	9.47E-05	4.31E-06	1.55E-05	2.32E-06	7.17E-06
9015	436925.3	3763253	2.84E-05	9.68E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
9016	436921.6	3763244	2.9E-05	9.89E-05	4.50E-06	1.62E-05	2.43E-06	7.49E-06
9017	436918	3763235	2.96E-05	0.000101	4.60E-06	1.65E-05	2.48E-06	7.65E-06
9018	436914.3	3763227	3.02E-05	0.000103	4.70E-06	1.68E-05	2.53E-06	7.81E-06
9019	436910.6	3763218	3.08E-05	0.000105	4.79E-06	1.72E-05	2.58E-06	7.97E-06
9020	436906.9	3763209	3.15E-05	0.000107	4.89E-06	1.75E-05	2.63E-06	8.13E-06
9021	436903.3	3763200	3.21E-05	0.000109	4.98E-06	1.79E-05	2.69E-06	8.29E-06
9022	436899.6	3763191	3.27E-05	0.000111	5.08E-06	1.82E-05	2.74E-06	8.44E-06
9023	436895.9	3763182	3.33E-05	0.000113	5.17E-06	1.85E-05	2.78E-06	8.60E-06
9024	436892.3	3763173	3.39E-05	0.000115	5.26E-06	1.89E-05	2.83E-06	8.75E-06
9025	436888.6	3763165	3.45E-05	0.000118	5.36E-06	1.92E-05	2.89E-06	8.91E-06
9026	436884.9	3763156	3.51E-05	0.00012	5.45E-06	1.95E-05	2.94E-06	9.06E-06
9027	436881.3	3763147	3.56E-05	0.000122	5.54E-06	1.99E-05	2.98E-06	9.21E-06
9028	436877.6	3763138	3.62E-05	0.000123	5.62E-06	2.02E-05	3.03E-06	9.35E-06
9029	436873.9	3763129	3.67E-05	0.000125	5.71E-06	2.05E-05	3.07E-06	9.49E-06
9030	436870.2	3763120	3.73E-05	0.000127	5.79E-06	2.08E-05	3.12E-06	9.63E-06
9031	436866.6	3763111	3.78E-05	0.000129	5.87E-06	2.10E-05	3.16E-06	9.76E-06
9032	436862.9	3763103	3.83E-05	0.00013	5.94E-06	2.13E-05	3.20E-06	9.88E-06
9033	436859.2	3763094	3.87E-05	0.000132	6.02E-06	2.16E-05	3.24E-06	1.00E-05
9034	436855.6	3763085	3.92E-05	0.000134	6.09E-06	2.18E-05	3.28E-06	1.01E-05
9035	436851.9	3763076	3.96E-05	0.000135	6.15E-06	2.21E-05	3.31E-06	1.02E-05
9036	436848.2	3763067	4E-05	0.000136	6.22E-06	2.23E-05	3.35E-06	1.03E-05
9037	436844.6	3763058	4.04E-05	0.000138	6.28E-06	2.25E-05	3.38E-06	1.04E-05
9038	436840.9	3763050	4.07E-05	0.000139	6.33E-06	2.27E-05	3.41E-06	1.05E-05
9039	436837.2	3763041	4.11E-05	0.00014	6.38E-06	2.29E-05	3.44E-06	1.06E-05
9040	436833.5	3763032	4.14E-05	0.000141	6.43E-06	2.30E-05	3.46E-06	1.07E-05
9041	436829.9	3763023	4.16E-05	0.000142	6.47E-06	2.32E-05	3.49E-06	1.08E-05
9042	436826.2	3763014	4.19E-05	0.000143	6.51E-06	2.33E-05	3.51E-06	1.08E-05
9043	436822.5	3763005	4.21E-05	0.000144	6.54E-06	2.35E-05	3.52E-06	1.09E-05
9044	436818.9	3762996	4.23E-05	0.000144	6.57E-06	2.36E-05	3.54E-06	1.09E-05

9045	436815.2	3762988	4.24E-05	0.000145	6.60E-06	2.36E-05	3.55E-06	1.10E-05
9046	436811.5	3762979	4.26E-05	0.000145	6.62E-06	2.37E-05	3.56E-06	1.10E-05
9047	436807.8	3762970	4.27E-05	0.000146	6.63E-06	2.38E-05	3.57E-06	1.10E-05
9048	436804.2	3762961	4.28E-05	0.000146	6.64E-06	2.38E-05	3.58E-06	1.10E-05
9049	436800.5	3762952	4.28E-05	0.000146	6.65E-06	2.38E-05	3.58E-06	1.11E-05
9050	436796.8	3762943	4.28E-05	0.000146	6.66E-06	2.39E-05	3.59E-06	1.11E-05
9051	436793.2	3762935	4.28E-05	0.000146	6.65E-06	2.39E-05	3.58E-06	1.11E-05
9052	436789.5	3762926	4.28E-05	0.000146	6.65E-06	2.38E-05	3.58E-06	1.11E-05
9053	436785.8	3762917	4.28E-05	0.000146	6.64E-06	2.38E-05	3.58E-06	1.10E-05
9054	436782.2	3762908	4.27E-05	0.000146	6.63E-06	2.38E-05	3.57E-06	1.10E-05
9055	437365	3763464	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
9056	437374.7	3763464	2.06E-05	7.01E-05	3.20E-06	1.15E-05	1.72E-06	5.31E-06
9057	437384.3	3763464	2.07E-05	7.07E-05	3.22E-06	1.15E-05	1.73E-06	5.36E-06
9058	437394	3763464	2.09E-05	7.12E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
9059	437403.7	3763464	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
9060	437413.3	3763464	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
9061	437423	3763464	2.13E-05	7.25E-05	3.30E-06	1.18E-05	1.78E-06	5.49E-06
9062	437432.6	3763464	2.14E-05	7.28E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
9063	437442.3	3763464	2.14E-05	7.3E-05	3.33E-06	1.19E-05	1.79E-06	5.54E-06
9064	437451.9	3763464	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
9065	437461.6	3763464	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
9066	437471.2	3763464	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
9067	437480.9	3763464	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
9068	437490.5	3763463	2.21E-05	7.54E-05	3.44E-06	1.23E-05	1.85E-06	5.71E-06
9069	437500.2	3763463	2.23E-05	7.6E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
9070	437509.8	3763463	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9071	437519.5	3763463	2.27E-05	7.73E-05	3.52E-06	1.26E-05	1.90E-06	5.85E-06
9072	437529.1	3763463	2.28E-05	7.79E-05	3.55E-06	1.27E-05	1.91E-06	5.90E-06
9073	437538.8	3763463	2.3E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
9074	437548.4	3763463	2.32E-05	7.91E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
9075	437356.2	3763500	1.81E-05	6.18E-05	2.81E-06	1.01E-05	1.52E-06	4.68E-06
9076	437347.4	3763496	1.82E-05	6.2E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
9077	437338.5	3763493	1.82E-05	6.22E-05	2.84E-06	1.02E-05	1.53E-06	4.71E-06
9078	437329.6	3763489	1.83E-05	6.25E-05	2.85E-06	1.02E-05	1.53E-06	4.73E-06
9079	437320.7	3763485	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9080	437311.8	3763482	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
9081	437302.9	3763478	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
9082	437294	3763474	1.88E-05	6.41E-05	2.92E-06	1.05E-05	1.57E-06	4.86E-06
9083	437285.1	3763471	1.9E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.90E-06
9084	437276.2	3763467	1.91E-05	6.5E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
9085	437267.3	3763463	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
9086	437258.4	3763460	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
9087	437249.6	3763456	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
9088	437240.7	3763452	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.99E-06
9089	437231.8	3763449	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
9090	437222.9	3763445	1.93E-05	6.6E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
9091	437214	3763441	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
9092	437205.1	3763438	1.93E-05	6.6E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
9093	437196.2	3763434	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
9094	437187.3	3763430	1.95E-05	6.66E-05	3.04E-06	1.09E-05	1.64E-06	5.05E-06
9095	437142.9	3763412	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
9096	437134	3763408	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.73E-06	5.33E-06

9097	437125.1	3763405	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.36E-06
9098	437116.2	3763401	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
9099	437107.3	3763397	2.11E-05	7.18E-05	3.27E-06	1.17E-05	1.76E-06	5.44E-06
9100	437098.4	3763394	2.12E-05	7.23E-05	3.29E-06	1.18E-05	1.77E-06	5.48E-06
9101	437089.5	3763390	2.13E-05	7.28E-05	3.32E-06	1.19E-05	1.79E-06	5.52E-06
9102	437080.6	3763386	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
9103	437071.8	3763383	2.16E-05	7.38E-05	3.36E-06	1.20E-05	1.81E-06	5.59E-06
9104	437062.9	3763379	2.18E-05	7.43E-05	3.39E-06	1.21E-05	1.82E-06	5.63E-06
9105	437054	3763375	2.2E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
9106	437045.1	3763372	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
9107	437036.2	3763368	2.23E-05	7.6E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
9108	437027.3	3763364	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
9109	437018.4	3763361	2.25E-05	7.69E-05	3.50E-06	1.26E-05	1.89E-06	5.83E-06
9110	437009.5	3763357	2.27E-05	7.73E-05	3.52E-06	1.26E-05	1.90E-06	5.86E-06
9111	437000.6	3763353	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
9112	436991.7	3763350	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
9113	436982.8	3763346	2.3E-05	7.85E-05	3.58E-06	1.28E-05	1.93E-06	5.95E-06
9114	436974	3763342	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
9115	436965.1	3763339	2.32E-05	7.9E-05	3.60E-06	1.29E-05	1.94E-06	5.99E-06
9116	436956.2	3763335	2.32E-05	7.91E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
9117	436947.3	3763331	2.32E-05	7.92E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
9118	436938.4	3763328	2.33E-05	7.93E-05	3.61E-06	1.30E-05	1.95E-06	6.01E-06
9119	436929.5	3763324	2.33E-05	7.94E-05	3.62E-06	1.30E-05	1.95E-06	6.02E-06
9120	436920.6	3763320	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
9121	436908	3763308	2.38E-05	8.11E-05	3.69E-06	1.32E-05	1.99E-06	6.14E-06
9122	436904.4	3763299	2.42E-05	8.26E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
9123	436900.7	3763290	2.47E-05	8.43E-05	3.84E-06	1.38E-05	2.07E-06	6.38E-06
9124	436897	3763281	2.52E-05	8.6E-05	3.92E-06	1.40E-05	2.11E-06	6.51E-06
9125	436893.3	3763272	2.57E-05	8.77E-05	4.00E-06	1.43E-05	2.15E-06	6.64E-06
9126	436889.6	3763263	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
9127	436885.9	3763255	2.67E-05	9.12E-05	4.15E-06	1.49E-05	2.24E-06	6.91E-06
9128	436882.2	3763246	2.73E-05	9.3E-05	4.24E-06	1.52E-05	2.28E-06	7.05E-06
9129	436878.6	3763237	2.78E-05	9.48E-05	4.32E-06	1.55E-05	2.33E-06	7.18E-06
9130	436874.9	3763228	2.83E-05	9.66E-05	4.40E-06	1.58E-05	2.37E-06	7.32E-06
9131	436871.2	3763219	2.89E-05	9.84E-05	4.48E-06	1.61E-05	2.42E-06	7.46E-06
9132	436867.5	3763210	2.94E-05	0.0001	4.57E-06	1.64E-05	2.46E-06	7.59E-06
9133	436863.8	3763201	2.99E-05	0.000102	4.65E-06	1.67E-05	2.50E-06	7.73E-06
9134	436860.1	3763192	3.04E-05	0.000104	4.73E-06	1.70E-05	2.55E-06	7.87E-06
9135	436856.5	3763184	3.1E-05	0.000106	4.81E-06	1.73E-05	2.59E-06	8.00E-06
9136	436852.8	3763175	3.15E-05	0.000107	4.90E-06	1.76E-05	2.64E-06	8.14E-06
9137	436849.1	3763166	3.2E-05	0.000109	4.98E-06	1.78E-05	2.68E-06	8.28E-06
9138	436845.4	3763157	3.25E-05	0.000111	5.05E-06	1.81E-05	2.72E-06	8.40E-06
9139	436841.7	3763148	3.3E-05	0.000112	5.13E-06	1.84E-05	2.76E-06	8.52E-06
9140	436838	3763139	3.34E-05	0.000114	5.20E-06	1.86E-05	2.80E-06	8.64E-06
9141	436834.3	3763130	3.39E-05	0.000115	5.26E-06	1.89E-05	2.84E-06	8.75E-06
9142	436830.7	3763121	3.43E-05	0.000117	5.33E-06	1.91E-05	2.87E-06	8.86E-06
9143	436827	3763112	3.47E-05	0.000118	5.39E-06	1.93E-05	2.90E-06	8.96E-06
9144	436823.3	3763104	3.51E-05	0.00012	5.45E-06	1.95E-05	2.94E-06	9.06E-06
9145	436819.6	3763095	3.54E-05	0.000121	5.51E-06	1.97E-05	2.97E-06	9.16E-06
9146	436815.9	3763086	3.58E-05	0.000122	5.56E-06	1.99E-05	2.99E-06	9.24E-06
9147	436812.2	3763077	3.61E-05	0.000123	5.61E-06	2.01E-05	3.02E-06	9.32E-06
9148	436808.6	3763068	3.64E-05	0.000124	5.66E-06	2.03E-05	3.05E-06	9.41E-06

9149	436804.9	3763059	3.67E-05	0.000125	5.70E-06	2.04E-05	3.07E-06	9.48E-06
9150	436801.2	3763050	3.7E-05	0.000126	5.75E-06	2.06E-05	3.09E-06	9.55E-06
9151	436797.5	3763041	3.72E-05	0.000127	5.78E-06	2.07E-05	3.11E-06	9.62E-06
9152	436793.8	3763033	3.74E-05	0.000128	5.82E-06	2.09E-05	3.13E-06	9.67E-06
9153	436790.1	3763024	3.76E-05	0.000128	5.85E-06	2.10E-05	3.15E-06	9.72E-06
9154	436786.4	3763015	3.78E-05	0.000129	5.87E-06	2.11E-05	3.16E-06	9.77E-06
9155	436782.8	3763006	3.79E-05	0.000129	5.90E-06	2.11E-05	3.18E-06	9.80E-06
9156	436779.1	3762997	3.81E-05	0.00013	5.91E-06	2.12E-05	3.19E-06	9.84E-06
9157	436775.4	3762988	3.82E-05	0.00013	5.93E-06	2.13E-05	3.19E-06	9.86E-06
9158	437365.1	3763504	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
9159	437374.8	3763504	1.82E-05	6.2E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
9160	437384.4	3763504	1.83E-05	6.25E-05	2.85E-06	1.02E-05	1.53E-06	4.73E-06
9161	437394.1	3763504	1.85E-05	6.3E-05	2.87E-06	1.03E-05	1.55E-06	4.77E-06
9162	437403.7	3763504	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
9163	437413.4	3763504	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
9164	437423	3763504	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.86E-06
9165	437432.7	3763504	1.89E-05	6.46E-05	2.94E-06	1.05E-05	1.59E-06	4.89E-06
9166	437442.3	3763504	1.9E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
9167	437452	3763504	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
9168	437461.6	3763504	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
9169	437471.3	3763504	1.94E-05	6.6E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
9170	437480.9	3763504	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
9171	437490.6	3763503	1.96E-05	6.67E-05	3.04E-06	1.09E-05	1.64E-06	5.06E-06
9172	437500.2	3763503	1.97E-05	6.72E-05	3.06E-06	1.10E-05	1.65E-06	5.09E-06
9173	437509.9	3763503	1.98E-05	6.76E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
9174	437519.5	3763503	2E-05	6.81E-05	3.10E-06	1.11E-05	1.67E-06	5.16E-06
9175	437529.2	3763503	2.01E-05	6.87E-05	3.13E-06	1.12E-05	1.69E-06	5.20E-06
9176	437538.8	3763503	2.03E-05	6.92E-05	3.15E-06	1.13E-05	1.70E-06	5.24E-06
9177	437548.5	3763503	2.05E-05	6.97E-05	3.18E-06	1.14E-05	1.71E-06	5.28E-06
9178	437356.3	3763540	1.63E-05	5.55E-05	2.53E-06	9.06E-06	1.36E-06	4.20E-06
9179	437347.4	3763536	1.63E-05	5.56E-05	2.53E-06	9.09E-06	1.37E-06	4.21E-06
9180	437338.5	3763533	1.64E-05	5.58E-05	2.54E-06	9.11E-06	1.37E-06	4.23E-06
9181	437329.5	3763529	1.64E-05	5.6E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
9182	437320.6	3763525	1.65E-05	5.61E-05	2.56E-06	9.17E-06	1.38E-06	4.25E-06
9183	437311.7	3763522	1.65E-05	5.63E-05	2.57E-06	9.20E-06	1.38E-06	4.27E-06
9184	437302.8	3763518	1.66E-05	5.65E-05	2.58E-06	9.23E-06	1.39E-06	4.28E-06
9185	437293.8	3763514	1.66E-05	5.68E-05	2.59E-06	9.27E-06	1.39E-06	4.30E-06
9186	437284.9	3763511	1.67E-05	5.7E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
9187	437276	3763507	1.68E-05	5.73E-05	2.61E-06	9.35E-06	1.41E-06	4.34E-06
9188	437267.1	3763503	1.68E-05	5.74E-05	2.61E-06	9.37E-06	1.41E-06	4.35E-06
9189	437258.2	3763500	1.69E-05	5.75E-05	2.62E-06	9.39E-06	1.41E-06	4.35E-06
9190	437249.2	3763496	1.69E-05	5.76E-05	2.62E-06	9.41E-06	1.41E-06	4.36E-06
9191	437240.3	3763492	1.69E-05	5.78E-05	2.63E-06	9.44E-06	1.42E-06	4.38E-06
9192	437231.4	3763489	1.7E-05	5.79E-05	2.64E-06	9.46E-06	1.42E-06	4.39E-06
9193	437222.5	3763485	1.7E-05	5.8E-05	2.64E-06	9.48E-06	1.42E-06	4.40E-06
9194	437213.6	3763481	1.71E-05	5.83E-05	2.66E-06	9.53E-06	1.43E-06	4.42E-06
9195	437204.6	3763478	1.72E-05	5.87E-05	2.67E-06	9.59E-06	1.44E-06	4.45E-06
9196	437195.7	3763474	1.73E-05	5.92E-05	2.70E-06	9.66E-06	1.45E-06	4.48E-06
9197	437186.8	3763470	1.75E-05	5.96E-05	2.72E-06	9.74E-06	1.46E-06	4.52E-06
9198	437142.2	3763452	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06
9199	437133.3	3763448	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9200	437124.3	3763444	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06

9201	437115.4	3763441	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9202	437106.5	3763437	1.85E-05	6.31E-05	2.88E-06	1.03E-05	1.55E-06	4.78E-06
9203	437097.6	3763433	1.86E-05	6.35E-05	2.89E-06	1.04E-05	1.56E-06	4.81E-06
9204	437088.7	3763430	1.88E-05	6.4E-05	2.92E-06	1.05E-05	1.57E-06	4.85E-06
9205	437079.7	3763426	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
9206	437070.8	3763422	1.91E-05	6.5E-05	2.96E-06	1.06E-05	1.60E-06	4.92E-06
9207	437061.9	3763419	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	5.00E-06
9208	437053	3763415	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
9209	437044.1	3763411	1.96E-05	6.7E-05	3.05E-06	1.09E-05	1.64E-06	5.07E-06
9210	437035.1	3763408	1.98E-05	6.75E-05	3.07E-06	1.10E-05	1.66E-06	5.11E-06
9211	437026.2	3763404	1.99E-05	6.79E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
9212	437017.3	3763400	2.01E-05	6.84E-05	3.12E-06	1.12E-05	1.68E-06	5.18E-06
9213	437008.4	3763397	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
9214	436999.4	3763393	2.03E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
9215	436990.5	3763389	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
9216	436981.6	3763386	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.73E-06	5.33E-06
9217	436972.7	3763382	2.07E-05	7.07E-05	3.22E-06	1.16E-05	1.74E-06	5.36E-06
9218	436963.8	3763378	2.08E-05	7.1E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
9219	436954.8	3763375	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
9220	436945.9	3763371	2.1E-05	7.15E-05	3.26E-06	1.17E-05	1.75E-06	5.42E-06
9221	436937	3763367	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
9222	436928.1	3763363	2.11E-05	7.19E-05	3.28E-06	1.17E-05	1.77E-06	5.45E-06
9223	436919.2	3763360	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
9224	436910.2	3763356	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
9225	436901.3	3763352	2.12E-05	7.22E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
9226	436892.4	3763349	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
9227	436879.8	3763336	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.56E-06
9228	436876.1	3763327	2.19E-05	7.47E-05	3.40E-06	1.22E-05	1.83E-06	5.66E-06
9229	436872.4	3763318	2.23E-05	7.6E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
9230	436868.7	3763309	2.27E-05	7.74E-05	3.53E-06	1.26E-05	1.90E-06	5.87E-06
9231	436865	3763301	2.31E-05	7.88E-05	3.59E-06	1.29E-05	1.93E-06	5.97E-06
9232	436861.3	3763292	2.35E-05	8.01E-05	3.65E-06	1.31E-05	1.97E-06	6.07E-06
9233	436857.6	3763283	2.4E-05	8.17E-05	3.72E-06	1.33E-05	2.00E-06	6.19E-06
9234	436853.9	3763274	2.44E-05	8.33E-05	3.80E-06	1.36E-05	2.05E-06	6.31E-06
9235	436850.2	3763265	2.49E-05	8.5E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
9236	436846.5	3763256	2.54E-05	8.66E-05	3.94E-06	1.41E-05	2.12E-06	6.56E-06
9237	436842.8	3763247	2.58E-05	8.8E-05	4.01E-06	1.44E-05	2.16E-06	6.67E-06
9238	436839.1	3763238	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
9239	436835.4	3763229	2.66E-05	9.09E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
9240	436831.7	3763220	2.71E-05	9.24E-05	4.21E-06	1.51E-05	2.27E-06	7.01E-06
9241	436828	3763211	2.76E-05	9.4E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
9242	436824.3	3763202	2.8E-05	9.56E-05	4.36E-06	1.56E-05	2.35E-06	7.24E-06
9243	436820.6	3763194	2.85E-05	9.72E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
9244	436816.9	3763185	2.9E-05	9.88E-05	4.50E-06	1.61E-05	2.42E-06	7.48E-06
9245	436813.2	3763176	2.94E-05	0.0001	4.57E-06	1.64E-05	2.46E-06	7.61E-06
9246	436809.5	3763167	2.98E-05	0.000102	4.64E-06	1.66E-05	2.50E-06	7.71E-06
9247	436805.8	3763158	3.02E-05	0.000103	4.70E-06	1.68E-05	2.53E-06	7.81E-06
9248	436802.1	3763149	3.06E-05	0.000104	4.75E-06	1.70E-05	2.56E-06	7.90E-06
9249	436798.4	3763140	3.1E-05	0.000106	4.81E-06	1.72E-05	2.59E-06	8.00E-06
9250	436794.7	3763131	3.13E-05	0.000107	4.86E-06	1.74E-05	2.62E-06	8.09E-06
9251	436791	3763122	3.16E-05	0.000108	4.91E-06	1.76E-05	2.65E-06	8.17E-06
9252	436787.3	3763113	3.19E-05	0.000109	4.96E-06	1.78E-05	2.67E-06	8.25E-06

9253	436783.6	3763104	3.22E-05	0.00011	5.01E-06	1.80E-05	2.70E-06	8.33E-06
9254	436779.9	3763095	3.25E-05	0.000111	5.05E-06	1.81E-05	2.72E-06	8.41E-06
9255	436776.2	3763087	3.28E-05	0.000112	5.10E-06	1.83E-05	2.74E-06	8.47E-06
9256	436731.9	3762980	3.43E-05	0.000117	5.32E-06	1.91E-05	2.87E-06	8.85E-06
9257	436728.2	3762971	3.43E-05	0.000117	5.33E-06	1.91E-05	2.87E-06	8.86E-06
9258	436724.5	3762962	3.43E-05	0.000117	5.33E-06	1.91E-05	2.87E-06	8.87E-06
9259	436720.8	3762953	3.44E-05	0.000117	5.35E-06	1.92E-05	2.88E-06	8.89E-06
9260	436717.1	3762944	3.45E-05	0.000118	5.36E-06	1.92E-05	2.89E-06	8.91E-06
9261	436713.4	3762935	3.45E-05	0.000118	5.36E-06	1.92E-05	2.89E-06	8.92E-06
9262	436709.7	3762926	3.45E-05	0.000118	5.36E-06	1.92E-05	2.89E-06	8.92E-06
9263	436706	3762917	3.45E-05	0.000118	5.36E-06	1.92E-05	2.88E-06	8.91E-06
9264	436702.3	3762908	3.44E-05	0.000117	5.34E-06	1.92E-05	2.88E-06	8.89E-06
9265	437365.2	3763544	1.62E-05	5.54E-05	2.52E-06	9.05E-06	1.36E-06	4.20E-06
9266	437374.9	3763544	1.64E-05	5.58E-05	2.54E-06	9.12E-06	1.37E-06	4.23E-06
9267	437384.5	3763544	1.65E-05	5.63E-05	2.57E-06	9.20E-06	1.38E-06	4.27E-06
9268	437394.2	3763544	1.67E-05	5.68E-05	2.59E-06	9.29E-06	1.40E-06	4.31E-06
9269	437403.8	3763544	1.68E-05	5.73E-05	2.61E-06	9.36E-06	1.41E-06	4.34E-06
9270	437413.5	3763544	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.38E-06
9271	437423.1	3763544	1.71E-05	5.82E-05	2.65E-06	9.50E-06	1.43E-06	4.41E-06
9272	437432.8	3763544	1.72E-05	5.86E-05	2.67E-06	9.57E-06	1.44E-06	4.44E-06
9273	437442.4	3763544	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
9274	437452.1	3763544	1.74E-05	5.92E-05	2.70E-06	9.67E-06	1.45E-06	4.49E-06
9275	437461.7	3763544	1.74E-05	5.95E-05	2.71E-06	9.72E-06	1.46E-06	4.51E-06
9276	437471.4	3763544	1.75E-05	5.97E-05	2.72E-06	9.75E-06	1.47E-06	4.52E-06
9277	437481	3763544	1.76E-05	5.99E-05	2.73E-06	9.79E-06	1.47E-06	4.54E-06
9278	437490.7	3763543	1.76E-05	6.01E-05	2.74E-06	9.82E-06	1.48E-06	4.56E-06
9279	437500.3	3763543	1.77E-05	6.04E-05	2.75E-06	9.86E-06	1.48E-06	4.58E-06
9280	437510	3763543	1.78E-05	6.06E-05	2.76E-06	9.91E-06	1.49E-06	4.60E-06
9281	437519.6	3763543	1.79E-05	6.09E-05	2.78E-06	9.95E-06	1.50E-06	4.62E-06
9282	437529.3	3763543	1.8E-05	6.14E-05	2.80E-06	1.00E-05	1.51E-06	4.65E-06
9283	437538.9	3763543	1.81E-05	6.18E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
9284	437548.6	3763543	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
9285	437356.5	3763580	1.48E-05	5.06E-05	2.30E-06	8.26E-06	1.24E-06	3.83E-06
9286	437347.7	3763576	1.49E-05	5.06E-05	2.31E-06	8.27E-06	1.24E-06	3.84E-06
9287	437338.9	3763573	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
9288	437330.1	3763569	1.49E-05	5.07E-05	2.31E-06	8.29E-06	1.25E-06	3.84E-06
9289	437321.3	3763566	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
9290	437312.5	3763562	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
9291	437303.7	3763558	1.5E-05	5.1E-05	2.33E-06	8.34E-06	1.25E-06	3.87E-06
9292	437294.9	3763555	1.5E-05	5.12E-05	2.33E-06	8.36E-06	1.26E-06	3.88E-06
9293	437286.1	3763551	1.51E-05	5.14E-05	2.34E-06	8.39E-06	1.26E-06	3.89E-06
9294	437277.4	3763547	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.26E-06	3.90E-06
9295	437268.6	3763544	1.51E-05	5.16E-05	2.35E-06	8.44E-06	1.27E-06	3.91E-06
9296	437259.8	3763540	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.93E-06
9297	437251	3763537	1.52E-05	5.19E-05	2.37E-06	8.48E-06	1.27E-06	3.93E-06
9298	437242.2	3763533	1.53E-05	5.2E-05	2.37E-06	8.50E-06	1.28E-06	3.94E-06
9299	437233.4	3763529	1.53E-05	5.21E-05	2.38E-06	8.52E-06	1.28E-06	3.95E-06
9300	437224.6	3763526	1.53E-05	5.22E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
9301	437215.8	3763522	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
9302	437207	3763518	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
9303	437198.2	3763515	1.55E-05	5.3E-05	2.42E-06	8.66E-06	1.30E-06	4.02E-06
9304	437189.4	3763511	1.56E-05	5.34E-05	2.43E-06	8.72E-06	1.31E-06	4.04E-06

9305	437145.4	3763493	1.62E-05	5.52E-05	2.52E-06	9.02E-06	1.36E-06	4.18E-06
9306	437136.6	3763489	1.63E-05	5.56E-05	2.53E-06	9.08E-06	1.36E-06	4.21E-06
9307	437127.8	3763486	1.64E-05	5.6E-05	2.55E-06	9.14E-06	1.37E-06	4.24E-06
9308	437119.1	3763482	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
9309	437110.3	3763479	1.68E-05	5.74E-05	2.61E-06	9.37E-06	1.41E-06	4.35E-06
9310	437101.5	3763475	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.37E-06
9311	437092.7	3763471	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
9312	437083.9	3763468	1.71E-05	5.84E-05	2.66E-06	9.54E-06	1.43E-06	4.43E-06
9313	437075.1	3763464	1.72E-05	5.87E-05	2.68E-06	9.59E-06	1.44E-06	4.45E-06
9314	437066.3	3763460	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.44E-06
9315	437057.5	3763457	1.73E-05	5.88E-05	2.68E-06	9.61E-06	1.44E-06	4.46E-06
9316	437048.7	3763453	1.73E-05	5.92E-05	2.70E-06	9.66E-06	1.45E-06	4.48E-06
9317	437039.9	3763450	1.74E-05	5.95E-05	2.71E-06	9.72E-06	1.46E-06	4.51E-06
9318	437031.1	3763446	1.76E-05	6E-05	2.73E-06	9.80E-06	1.47E-06	4.55E-06
9319	437022.3	3763442	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.61E-06
9320	437013.5	3763439	1.8E-05	6.13E-05	2.79E-06	1.00E-05	1.50E-06	4.65E-06
9321	437004.7	3763435	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
9322	436995.9	3763431	1.82E-05	6.2E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
9323	436987.1	3763428	1.83E-05	6.24E-05	2.84E-06	1.02E-05	1.53E-06	4.73E-06
9324	436978.3	3763424	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9325	436969.5	3763421	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
9326	436960.7	3763417	1.87E-05	6.37E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
9327	436952	3763413	1.88E-05	6.41E-05	2.92E-06	1.05E-05	1.57E-06	4.86E-06
9328	436943.2	3763410	1.89E-05	6.44E-05	2.94E-06	1.05E-05	1.58E-06	4.88E-06
9329	436934.4	3763406	1.9E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.90E-06
9330	436925.6	3763402	1.9E-05	6.49E-05	2.96E-06	1.06E-05	1.59E-06	4.92E-06
9331	436916.8	3763399	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.94E-06
9332	436908	3763395	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
9333	436899.2	3763392	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
9334	436890.4	3763388	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
9335	436881.6	3763384	1.91E-05	6.53E-05	2.97E-06	1.07E-05	1.60E-06	4.95E-06
9336	436872.8	3763381	1.92E-05	6.53E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
9337	436864	3763377	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
9338	436851.6	3763365	1.95E-05	6.65E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
9339	436847.9	3763356	1.99E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
9340	436844.3	3763347	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
9341	436840.6	3763338	2.06E-05	7.01E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
9342	436837	3763329	2.1E-05	7.14E-05	3.26E-06	1.17E-05	1.75E-06	5.41E-06
9343	436833.3	3763321	2.13E-05	7.28E-05	3.31E-06	1.19E-05	1.79E-06	5.51E-06
9344	436829.7	3763312	2.17E-05	7.4E-05	3.37E-06	1.21E-05	1.82E-06	5.61E-06
9345	436826.1	3763303	2.21E-05	7.53E-05	3.43E-06	1.23E-05	1.85E-06	5.71E-06
9346	436822.4	3763294	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9347	436818.8	3763286	2.29E-05	7.8E-05	3.55E-06	1.27E-05	1.91E-06	5.91E-06
9348	436815.1	3763277	2.33E-05	7.94E-05	3.62E-06	1.30E-05	1.95E-06	6.01E-06
9349	436811.5	3763268	2.37E-05	8.07E-05	3.68E-06	1.32E-05	1.98E-06	6.11E-06
9350	436807.8	3763259	2.4E-05	8.2E-05	3.74E-06	1.34E-05	2.01E-06	6.21E-06
9351	436804.2	3763250	2.44E-05	8.32E-05	3.79E-06	1.36E-05	2.04E-06	6.31E-06
9352	436800.5	3763242	2.48E-05	8.45E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
9353	436796.9	3763233	2.51E-05	8.57E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
9354	436793.3	3763224	2.55E-05	8.69E-05	3.96E-06	1.42E-05	2.13E-06	6.58E-06
9355	436789.6	3763215	2.58E-05	8.81E-05	4.02E-06	1.44E-05	2.16E-06	6.68E-06
9356	436786	3763206	2.62E-05	8.94E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06

9357	436782.3	3763198	2.66E-05	9.08E-05	4.14E-06	1.48E-05	2.23E-06	6.88E-06
9358	436742.2	3763101	2.98E-05	0.000101	4.62E-06	1.66E-05	2.49E-06	7.69E-06
9359	436738.6	3763092	2.99E-05	0.000102	4.65E-06	1.67E-05	2.50E-06	7.73E-06
9360	436734.9	3763083	3.01E-05	0.000103	4.68E-06	1.68E-05	2.52E-06	7.78E-06
9361	436731.3	3763075	3.03E-05	0.000103	4.70E-06	1.69E-05	2.53E-06	7.82E-06
9362	436727.6	3763066	3.05E-05	0.000104	4.73E-06	1.70E-05	2.55E-06	7.87E-06
9363	436724	3763057	3.06E-05	0.000104	4.76E-06	1.71E-05	2.56E-06	7.92E-06
9364	436720.4	3763048	3.08E-05	0.000105	4.79E-06	1.72E-05	2.58E-06	7.96E-06
9365	436716.7	3763039	3.1E-05	0.000106	4.81E-06	1.73E-05	2.59E-06	8.00E-06
9366	436713.1	3763031	3.11E-05	0.000106	4.83E-06	1.73E-05	2.60E-06	8.04E-06
9367	436709.4	3763022	3.12E-05	0.000106	4.85E-06	1.74E-05	2.61E-06	8.06E-06
9368	436705.8	3763013	3.13E-05	0.000107	4.86E-06	1.74E-05	2.62E-06	8.08E-06
9369	436702.1	3763004	3.13E-05	0.000107	4.87E-06	1.75E-05	2.62E-06	8.10E-06
9370	436698.5	3762996	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.11E-06
9371	436694.8	3762987	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.12E-06
9372	436691.2	3762978	3.14E-05	0.000107	4.89E-06	1.75E-05	2.63E-06	8.13E-06
9373	436687.5	3762969	3.15E-05	0.000107	4.89E-06	1.75E-05	2.63E-06	8.13E-06
9374	436683.9	3762960	3.15E-05	0.000107	4.89E-06	1.75E-05	2.63E-06	8.13E-06
9375	436680.3	3762952	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.12E-06
9376	436676.6	3762943	3.14E-05	0.000107	4.88E-06	1.75E-05	2.63E-06	8.11E-06
9377	436673	3762934	3.14E-05	0.000107	4.87E-06	1.75E-05	2.62E-06	8.10E-06
9378	436669.3	3762925	3.13E-05	0.000107	4.86E-06	1.74E-05	2.62E-06	8.09E-06
9379	436665.7	3762916	3.12E-05	0.000107	4.85E-06	1.74E-05	2.62E-06	8.07E-06
9380	437365.3	3763584	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
9381	437374.9	3763584	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
9382	437384.6	3763584	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
9383	437394.2	3763584	1.51E-05	5.16E-05	2.35E-06	8.44E-06	1.27E-06	3.91E-06
9384	437403.9	3763584	1.53E-05	5.2E-05	2.37E-06	8.50E-06	1.28E-06	3.94E-06
9385	437413.5	3763584	1.54E-05	5.24E-05	2.39E-06	8.56E-06	1.29E-06	3.97E-06
9386	437423.2	3763584	1.55E-05	5.28E-05	2.41E-06	8.63E-06	1.30E-06	4.00E-06
9387	437432.9	3763584	1.56E-05	5.32E-05	2.42E-06	8.69E-06	1.31E-06	4.03E-06
9388	437442.5	3763584	1.57E-05	5.35E-05	2.44E-06	8.74E-06	1.31E-06	4.05E-06
9389	437452.2	3763584	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
9390	437461.8	3763584	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
9391	437471.5	3763584	1.59E-05	5.44E-05	2.48E-06	8.88E-06	1.33E-06	4.12E-06
9392	437481.1	3763584	1.6E-05	5.46E-05	2.49E-06	8.92E-06	1.34E-06	4.14E-06
9393	437490.8	3763583	1.61E-05	5.48E-05	2.50E-06	8.96E-06	1.35E-06	4.15E-06
9394	437500.4	3763583	1.61E-05	5.5E-05	2.51E-06	8.98E-06	1.35E-06	4.17E-06
9395	437510.1	3763583	1.62E-05	5.52E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
9396	437519.7	3763583	1.62E-05	5.53E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
9397	437529.4	3763583	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
9398	437539	3763583	1.64E-05	5.6E-05	2.55E-06	9.15E-06	1.38E-06	4.25E-06
9399	437548.7	3763583	1.65E-05	5.64E-05	2.57E-06	9.21E-06	1.38E-06	4.27E-06
9400	437356.6	3763620	1.36E-05	4.65E-05	2.12E-06	7.60E-06	1.14E-06	3.53E-06
9401	437347.7	3763616	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
9402	437338.9	3763613	1.37E-05	4.67E-05	2.13E-06	7.62E-06	1.15E-06	3.54E-06
9403	437330.1	3763609	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
9404	437321.2	3763606	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.54E-06
9405	437312.4	3763602	1.37E-05	4.68E-05	2.13E-06	7.64E-06	1.15E-06	3.55E-06
9406	437303.6	3763598	1.37E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
9407	437294.8	3763595	1.38E-05	4.7E-05	2.14E-06	7.67E-06	1.15E-06	3.56E-06
9408	437285.9	3763591	1.38E-05	4.71E-05	2.15E-06	7.69E-06	1.16E-06	3.57E-06

9409	437277.1	3763587	1.38E-05	4.72E-05	2.15E-06	7.71E-06	1.16E-06	3.58E-06
9410	437268.3	3763584	1.39E-05	4.74E-05	2.16E-06	7.74E-06	1.16E-06	3.59E-06
9411	437259.5	3763580	1.39E-05	4.75E-05	2.16E-06	7.76E-06	1.17E-06	3.60E-06
9412	437250.6	3763576	1.4E-05	4.76E-05	2.17E-06	7.78E-06	1.17E-06	3.61E-06
9413	437241.8	3763573	1.4E-05	4.77E-05	2.17E-06	7.79E-06	1.17E-06	3.61E-06
9414	437233	3763569	1.4E-05	4.77E-05	2.17E-06	7.80E-06	1.17E-06	3.62E-06
9415	437224.2	3763566	1.4E-05	4.78E-05	2.18E-06	7.80E-06	1.17E-06	3.62E-06
9416	437215.3	3763562	1.4E-05	4.79E-05	2.18E-06	7.82E-06	1.18E-06	3.63E-06
9417	437206.5	3763558	1.41E-05	4.8E-05	2.19E-06	7.84E-06	1.18E-06	3.64E-06
9418	437197.7	3763555	1.41E-05	4.81E-05	2.19E-06	7.86E-06	1.18E-06	3.65E-06
9419	437188.8	3763551	1.42E-05	4.83E-05	2.20E-06	7.90E-06	1.19E-06	3.66E-06
9420	437144.7	3763533	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.21E-06	3.75E-06
9421	437135.9	3763529	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
9422	437127.1	3763525	1.47E-05	5.01E-05	2.28E-06	8.19E-06	1.23E-06	3.80E-06
9423	437118.2	3763522	1.48E-05	5.05E-05	2.30E-06	8.26E-06	1.24E-06	3.83E-06
9424	437109.4	3763518	1.5E-05	5.1E-05	2.32E-06	8.33E-06	1.25E-06	3.86E-06
9425	437100.6	3763515	1.51E-05	5.15E-05	2.35E-06	8.41E-06	1.26E-06	3.90E-06
9426	437091.8	3763511	1.52E-05	5.19E-05	2.37E-06	8.48E-06	1.27E-06	3.93E-06
9427	437082.9	3763507	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
9428	437074.1	3763504	1.56E-05	5.32E-05	2.43E-06	8.69E-06	1.31E-06	4.03E-06
9429	437065.3	3763500	1.57E-05	5.35E-05	2.44E-06	8.75E-06	1.31E-06	4.06E-06
9430	437056.5	3763496	1.58E-05	5.38E-05	2.45E-06	8.79E-06	1.32E-06	4.08E-06
9431	437047.6	3763493	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
9432	437038.8	3763489	1.58E-05	5.4E-05	2.46E-06	8.82E-06	1.32E-06	4.09E-06
9433	437030	3763485	1.59E-05	5.43E-05	2.48E-06	8.87E-06	1.33E-06	4.12E-06
9434	437021.1	3763482	1.61E-05	5.5E-05	2.51E-06	8.98E-06	1.35E-06	4.17E-06
9435	437012.3	3763478	1.62E-05	5.53E-05	2.52E-06	9.04E-06	1.36E-06	4.19E-06
9436	437003.5	3763475	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
9437	436994.7	3763471	1.64E-05	5.6E-05	2.55E-06	9.15E-06	1.37E-06	4.24E-06
9438	436985.8	3763467	1.65E-05	5.63E-05	2.57E-06	9.20E-06	1.38E-06	4.27E-06
9439	436977	3763464	1.66E-05	5.66E-05	2.58E-06	9.25E-06	1.39E-06	4.29E-06
9440	436968.2	3763460	1.67E-05	5.69E-05	2.59E-06	9.30E-06	1.40E-06	4.31E-06
9441	436959.4	3763456	1.68E-05	5.72E-05	2.61E-06	9.35E-06	1.40E-06	4.34E-06
9442	436950.5	3763453	1.69E-05	5.75E-05	2.62E-06	9.40E-06	1.41E-06	4.36E-06
9443	436941.7	3763449	1.69E-05	5.78E-05	2.63E-06	9.44E-06	1.42E-06	4.38E-06
9444	436932.9	3763445	1.7E-05	5.8E-05	2.64E-06	9.48E-06	1.42E-06	4.40E-06
9445	436924.1	3763442	1.71E-05	5.83E-05	2.66E-06	9.52E-06	1.43E-06	4.42E-06
9446	436915.2	3763438	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.44E-06
9447	436906.4	3763434	1.72E-05	5.88E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
9448	436897.6	3763431	1.73E-05	5.9E-05	2.69E-06	9.63E-06	1.45E-06	4.47E-06
9449	436888.7	3763427	1.73E-05	5.92E-05	2.70E-06	9.66E-06	1.45E-06	4.48E-06
9450	436879.9	3763424	1.74E-05	5.93E-05	2.70E-06	9.68E-06	1.45E-06	4.49E-06
9451	436871.1	3763420	1.74E-05	5.93E-05	2.70E-06	9.69E-06	1.46E-06	4.49E-06
9452	436862.3	3763416	1.74E-05	5.93E-05	2.70E-06	9.69E-06	1.46E-06	4.50E-06
9453	436853.4	3763413	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
9454	436844.6	3763409	1.75E-05	5.95E-05	2.71E-06	9.72E-06	1.46E-06	4.51E-06
9455	436835.8	3763405	1.75E-05	5.97E-05	2.72E-06	9.75E-06	1.46E-06	4.52E-06
9456	436823.3	3763393	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.61E-06
9457	436819.6	3763384	1.81E-05	6.18E-05	2.82E-06	1.01E-05	1.52E-06	4.68E-06
9458	436816	3763375	1.84E-05	6.29E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9459	436812.3	3763366	1.88E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.85E-06
9460	436808.7	3763358	1.91E-05	6.5E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06

9461	436805	3763349	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
9462	436801.4	3763340	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06
9463	436797.7	3763331	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
9464	436794	3763322	2.05E-05	6.99E-05	3.18E-06	1.14E-05	1.72E-06	5.29E-06
9465	436790.4	3763314	2.08E-05	7.1E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
9466	436786.7	3763305	2.12E-05	7.21E-05	3.29E-06	1.18E-05	1.77E-06	5.47E-06
9467	436783.1	3763296	2.15E-05	7.33E-05	3.34E-06	1.20E-05	1.80E-06	5.55E-06
9468	436742.8	3763199	2.49E-05	8.49E-05	3.87E-06	1.39E-05	2.08E-06	6.44E-06
9469	436739.2	3763190	2.53E-05	8.62E-05	3.93E-06	1.41E-05	2.12E-06	6.53E-06
9470	436735.5	3763181	2.56E-05	8.72E-05	3.97E-06	1.42E-05	2.14E-06	6.61E-06
9471	436731.8	3763172	2.58E-05	8.81E-05	4.01E-06	1.44E-05	2.16E-06	6.68E-06
9472	436728.2	3763164	2.61E-05	8.9E-05	4.05E-06	1.45E-05	2.18E-06	6.74E-06
9473	436724.5	3763155	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.81E-06
9474	436720.9	3763146	2.66E-05	9.06E-05	4.13E-06	1.48E-05	2.22E-06	6.87E-06
9475	436717.2	3763137	2.68E-05	9.14E-05	4.16E-06	1.49E-05	2.24E-06	6.92E-06
9476	436713.6	3763128	2.7E-05	9.21E-05	4.20E-06	1.50E-05	2.26E-06	6.98E-06
9477	436709.9	3763119	2.72E-05	9.28E-05	4.23E-06	1.52E-05	2.28E-06	7.03E-06
9478	436706.2	3763111	2.74E-05	9.34E-05	4.26E-06	1.53E-05	2.29E-06	7.08E-06
9479	436702.6	3763102	2.76E-05	9.4E-05	4.28E-06	1.54E-05	2.31E-06	7.12E-06
9480	436698.9	3763093	2.77E-05	9.46E-05	4.31E-06	1.54E-05	2.32E-06	7.17E-06
9481	436695.3	3763084	2.79E-05	9.51E-05	4.33E-06	1.55E-05	2.33E-06	7.21E-06
9482	436691.6	3763075	2.8E-05	9.56E-05	4.35E-06	1.56E-05	2.35E-06	7.24E-06
9483	436687.9	3763067	2.81E-05	9.6E-05	4.37E-06	1.57E-05	2.36E-06	7.27E-06
9484	436684.3	3763058	2.83E-05	9.64E-05	4.39E-06	1.57E-05	2.37E-06	7.30E-06
9485	436680.6	3763049	2.84E-05	9.67E-05	4.41E-06	1.58E-05	2.37E-06	7.33E-06
9486	436677	3763040	2.85E-05	9.7E-05	4.42E-06	1.59E-05	2.38E-06	7.35E-06
9487	436673.3	3763031	2.85E-05	9.73E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
9488	436669.7	3763022	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06
9489	436666	3763014	2.86E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.40E-06
9490	436662.3	3763005	2.87E-05	9.78E-05	4.46E-06	1.60E-05	2.40E-06	7.41E-06
9491	436658.7	3762996	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
9492	436655	3762987	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
9493	436651.4	3762978	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
9494	436647.7	3762970	2.87E-05	9.79E-05	4.46E-06	1.60E-05	2.40E-06	7.42E-06
9495	436644	3762961	2.87E-05	9.78E-05	4.46E-06	1.60E-05	2.40E-06	7.41E-06
9496	436640.4	3762952	2.87E-05	9.77E-05	4.45E-06	1.60E-05	2.40E-06	7.41E-06
9497	436636.7	3762943	2.86E-05	9.76E-05	4.45E-06	1.59E-05	2.40E-06	7.40E-06
9498	436633.1	3762934	2.86E-05	9.75E-05	4.44E-06	1.59E-05	2.39E-06	7.39E-06
9499	436629.4	3762925	2.85E-05	9.73E-05	4.43E-06	1.59E-05	2.39E-06	7.37E-06
9500	436625.8	3762917	2.85E-05	9.71E-05	4.43E-06	1.59E-05	2.38E-06	7.36E-06
9501	437365.4	3763624	1.36E-05	4.64E-05	2.12E-06	7.59E-06	1.14E-06	3.52E-06
9502	437375	3763624	1.37E-05	4.67E-05	2.13E-06	7.63E-06	1.15E-06	3.54E-06
9503	437384.7	3763624	1.38E-05	4.7E-05	2.14E-06	7.67E-06	1.15E-06	3.56E-06
9504	437394.3	3763624	1.38E-05	4.72E-05	2.15E-06	7.71E-06	1.16E-06	3.58E-06
9505	437404	3763624	1.39E-05	4.75E-05	2.16E-06	7.76E-06	1.17E-06	3.60E-06
9506	437413.6	3763624	1.4E-05	4.78E-05	2.18E-06	7.81E-06	1.17E-06	3.62E-06
9507	437423.3	3763624	1.41E-05	4.81E-05	2.19E-06	7.86E-06	1.18E-06	3.65E-06
9508	437432.9	3763624	1.42E-05	4.84E-05	2.21E-06	7.91E-06	1.19E-06	3.67E-06
9509	437442.6	3763624	1.43E-05	4.87E-05	2.22E-06	7.96E-06	1.20E-06	3.69E-06
9510	437452.2	3763624	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.20E-06	3.72E-06
9511	437461.9	3763624	1.45E-05	4.94E-05	2.25E-06	8.07E-06	1.21E-06	3.74E-06
9512	437471.5	3763624	1.46E-05	4.97E-05	2.26E-06	8.12E-06	1.22E-06	3.77E-06

9513	437481.2	3763624	1.47E-05	5E-05	2.28E-06	8.17E-06	1.23E-06	3.79E-06
9514	437490.8	3763623	1.47E-05	5.03E-05	2.29E-06	8.21E-06	1.23E-06	3.81E-06
9515	437500.5	3763623	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
9516	437510.1	3763623	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
9517	437519.8	3763623	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
9518	437529.4	3763623	1.5E-05	5.12E-05	2.33E-06	8.37E-06	1.26E-06	3.88E-06
9519	437539.1	3763623	1.51E-05	5.15E-05	2.35E-06	8.42E-06	1.27E-06	3.91E-06
9520	437548.7	3763623	1.52E-05	5.18E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
9521	437356.6	3763660	1.26E-05	4.3E-05	1.96E-06	7.02E-06	1.05E-06	3.26E-06
9522	437347.8	3763656	1.26E-05	4.31E-05	1.96E-06	7.04E-06	1.06E-06	3.26E-06
9523	437338.9	3763653	1.27E-05	4.32E-05	1.97E-06	7.06E-06	1.06E-06	3.27E-06
9524	437330	3763649	1.27E-05	4.33E-05	1.97E-06	7.07E-06	1.06E-06	3.28E-06
9525	437321.2	3763645	1.27E-05	4.33E-05	1.97E-06	7.07E-06	1.06E-06	3.28E-06
9526	437312.3	3763642	1.27E-05	4.33E-05	1.98E-06	7.08E-06	1.06E-06	3.28E-06
9527	437303.5	3763638	1.27E-05	4.34E-05	1.98E-06	7.09E-06	1.07E-06	3.29E-06
9528	437294.6	3763635	1.28E-05	4.35E-05	1.98E-06	7.11E-06	1.07E-06	3.30E-06
9529	437285.8	3763631	1.28E-05	4.36E-05	1.99E-06	7.12E-06	1.07E-06	3.30E-06
9530	437276.9	3763627	1.28E-05	4.37E-05	1.99E-06	7.14E-06	1.07E-06	3.31E-06
9531	437268.1	3763624	1.29E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
9532	437259.2	3763620	1.29E-05	4.4E-05	2.00E-06	7.19E-06	1.08E-06	3.33E-06
9533	437250.3	3763616	1.29E-05	4.41E-05	2.01E-06	7.21E-06	1.08E-06	3.35E-06
9534	437241.5	3763613	1.3E-05	4.42E-05	2.01E-06	7.22E-06	1.08E-06	3.35E-06
9535	437232.6	3763609	1.3E-05	4.42E-05	2.01E-06	7.22E-06	1.09E-06	3.35E-06
9536	437223.8	3763605	1.3E-05	4.42E-05	2.02E-06	7.23E-06	1.09E-06	3.35E-06
9537	437214.9	3763602	1.3E-05	4.43E-05	2.02E-06	7.23E-06	1.09E-06	3.36E-06
9538	437206.1	3763598	1.3E-05	4.44E-05	2.02E-06	7.25E-06	1.09E-06	3.36E-06
9539	437197.2	3763594	1.3E-05	4.44E-05	2.03E-06	7.26E-06	1.09E-06	3.37E-06
9540	437188.4	3763591	1.31E-05	4.46E-05	2.03E-06	7.28E-06	1.09E-06	3.38E-06
9541	437144.1	3763572	1.34E-05	4.55E-05	2.07E-06	7.44E-06	1.12E-06	3.45E-06
9542	437135.2	3763569	1.34E-05	4.57E-05	2.08E-06	7.47E-06	1.12E-06	3.46E-06
9543	437126.4	3763565	1.35E-05	4.59E-05	2.09E-06	7.49E-06	1.13E-06	3.48E-06
9544	437117.5	3763561	1.35E-05	4.61E-05	2.10E-06	7.52E-06	1.13E-06	3.49E-06
9545	437108.7	3763558	1.36E-05	4.63E-05	2.11E-06	7.57E-06	1.14E-06	3.51E-06
9546	437099.8	3763554	1.37E-05	4.67E-05	2.13E-06	7.62E-06	1.15E-06	3.54E-06
9547	437090.9	3763551	1.38E-05	4.71E-05	2.15E-06	7.69E-06	1.16E-06	3.57E-06
9548	437082.1	3763547	1.39E-05	4.75E-05	2.17E-06	7.77E-06	1.17E-06	3.60E-06
9549	437073.2	3763543	1.42E-05	4.85E-05	2.21E-06	7.92E-06	1.19E-06	3.67E-06
9550	437064.4	3763540	1.43E-05	4.88E-05	2.22E-06	7.98E-06	1.20E-06	3.70E-06
9551	437055.5	3763536	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.21E-06	3.72E-06
9552	437046.7	3763532	1.45E-05	4.95E-05	2.25E-06	8.08E-06	1.21E-06	3.75E-06
9553	437037.8	3763529	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.77E-06
9554	437029	3763525	1.47E-05	5.01E-05	2.28E-06	8.18E-06	1.23E-06	3.79E-06
9555	437020.1	3763521	1.48E-05	5.04E-05	2.29E-06	8.23E-06	1.24E-06	3.82E-06
9556	437011.2	3763518	1.48E-05	5.06E-05	2.31E-06	8.27E-06	1.24E-06	3.84E-06
9557	437002.4	3763514	1.49E-05	5.09E-05	2.32E-06	8.31E-06	1.25E-06	3.85E-06
9558	436993.5	3763510	1.5E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
9559	436984.7	3763507	1.51E-05	5.14E-05	2.34E-06	8.39E-06	1.26E-06	3.89E-06
9560	436975.8	3763503	1.51E-05	5.16E-05	2.35E-06	8.43E-06	1.27E-06	3.91E-06
9561	436967	3763499	1.52E-05	5.19E-05	2.36E-06	8.47E-06	1.27E-06	3.93E-06
9562	436958.1	3763496	1.53E-05	5.21E-05	2.37E-06	8.51E-06	1.28E-06	3.95E-06
9563	436949.3	3763492	1.53E-05	5.23E-05	2.38E-06	8.55E-06	1.28E-06	3.96E-06
9564	436940.4	3763488	1.54E-05	5.25E-05	2.39E-06	8.58E-06	1.29E-06	3.98E-06

9565	436931.5	3763485	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
9566	436922.7	3763481	1.55E-05	5.29E-05	2.41E-06	8.64E-06	1.30E-06	4.01E-06
9567	436913.8	3763477	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.03E-06
9568	436905	3763474	1.56E-05	5.33E-05	2.43E-06	8.71E-06	1.31E-06	4.04E-06
9569	436896.1	3763470	1.57E-05	5.35E-05	2.44E-06	8.75E-06	1.31E-06	4.06E-06
9570	436887.3	3763467	1.58E-05	5.37E-05	2.45E-06	8.78E-06	1.32E-06	4.07E-06
9571	436878.4	3763463	1.58E-05	5.4E-05	2.46E-06	8.81E-06	1.32E-06	4.09E-06
9572	436869.6	3763459	1.59E-05	5.41E-05	2.47E-06	8.84E-06	1.33E-06	4.10E-06
9573	436860.7	3763456	1.59E-05	5.43E-05	2.47E-06	8.87E-06	1.33E-06	4.11E-06
9574	436851.8	3763452	1.6E-05	5.45E-05	2.48E-06	8.91E-06	1.34E-06	4.13E-06
9575	436843	3763448	1.6E-05	5.47E-05	2.49E-06	8.93E-06	1.34E-06	4.14E-06
9576	436834.1	3763445	1.61E-05	5.48E-05	2.50E-06	8.96E-06	1.35E-06	4.15E-06
9577	436825.3	3763441	1.61E-05	5.5E-05	2.51E-06	8.98E-06	1.35E-06	4.17E-06
9578	436816.4	3763437	1.62E-05	5.51E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
9579	436807.6	3763434	1.62E-05	5.53E-05	2.52E-06	9.03E-06	1.36E-06	4.19E-06
9580	436795	3763421	1.65E-05	5.63E-05	2.56E-06	9.19E-06	1.38E-06	4.26E-06
9581	436791.4	3763412	1.67E-05	5.71E-05	2.60E-06	9.33E-06	1.40E-06	4.33E-06
9582	436787.7	3763403	1.7E-05	5.8E-05	2.64E-06	9.47E-06	1.42E-06	4.39E-06
9583	436784	3763395	1.73E-05	5.89E-05	2.68E-06	9.62E-06	1.45E-06	4.46E-06
9584	436780.4	3763386	1.75E-05	5.98E-05	2.73E-06	9.78E-06	1.47E-06	4.53E-06
9585	436740	3763288	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
9586	436736.3	3763280	2.1E-05	7.17E-05	3.27E-06	1.17E-05	1.76E-06	5.43E-06
9587	436732.6	3763271	2.13E-05	7.25E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
9588	436729	3763262	2.15E-05	7.34E-05	3.34E-06	1.20E-05	1.80E-06	5.56E-06
9589	436725.3	3763253	2.18E-05	7.42E-05	3.38E-06	1.21E-05	1.82E-06	5.62E-06
9590	436721.6	3763244	2.2E-05	7.51E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
9591	436718	3763235	2.22E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.75E-06
9592	436714.3	3763227	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9593	436710.6	3763218	2.28E-05	7.77E-05	3.54E-06	1.27E-05	1.91E-06	5.89E-06
9594	436706.9	3763209	2.31E-05	7.87E-05	3.58E-06	1.29E-05	1.93E-06	5.96E-06
9595	436703.3	3763200	2.34E-05	7.97E-05	3.63E-06	1.30E-05	1.96E-06	6.04E-06
9596	436699.6	3763191	2.36E-05	8.06E-05	3.67E-06	1.32E-05	1.98E-06	6.11E-06
9597	436695.9	3763182	2.39E-05	8.15E-05	3.71E-06	1.33E-05	2.00E-06	6.18E-06
9598	436692.3	3763173	2.42E-05	8.24E-05	3.75E-06	1.35E-05	2.02E-06	6.24E-06
9599	436688.6	3763165	2.44E-05	8.31E-05	3.79E-06	1.36E-05	2.04E-06	6.30E-06
9600	436684.9	3763156	2.46E-05	8.37E-05	3.82E-06	1.37E-05	2.06E-06	6.35E-06
9601	436681.3	3763147	2.48E-05	8.44E-05	3.85E-06	1.38E-05	2.07E-06	6.40E-06
9602	436677.6	3763138	2.49E-05	8.5E-05	3.87E-06	1.39E-05	2.09E-06	6.44E-06
9603	436673.9	3763129	2.51E-05	8.56E-05	3.90E-06	1.40E-05	2.10E-06	6.49E-06
9604	436670.2	3763120	2.53E-05	8.61E-05	3.92E-06	1.41E-05	2.11E-06	6.53E-06
9605	436666.6	3763111	2.54E-05	8.66E-05	3.95E-06	1.42E-05	2.13E-06	6.57E-06
9606	436662.9	3763103	2.55E-05	8.71E-05	3.97E-06	1.42E-05	2.14E-06	6.60E-06
9607	436659.2	3763094	2.57E-05	8.75E-05	3.99E-06	1.43E-05	2.15E-06	6.63E-06
9608	436655.6	3763085	2.58E-05	8.79E-05	4.01E-06	1.44E-05	2.16E-06	6.66E-06
9609	436651.9	3763076	2.59E-05	8.83E-05	4.02E-06	1.44E-05	2.17E-06	6.69E-06
9610	436648.2	3763067	2.6E-05	8.86E-05	4.04E-06	1.45E-05	2.18E-06	6.72E-06
9611	436644.6	3763058	2.61E-05	8.89E-05	4.05E-06	1.45E-05	2.18E-06	6.74E-06
9612	436640.9	3763050	2.61E-05	8.92E-05	4.06E-06	1.46E-05	2.19E-06	6.76E-06
9613	436637.2	3763041	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
9614	436633.5	3763032	2.63E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
9615	436629.9	3763023	2.63E-05	8.97E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06
9616	436626.2	3763014	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06

9617	436622.5	3763005	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.81E-06
9618	436618.9	3762996	2.64E-05	8.99E-05	4.09E-06	1.47E-05	2.21E-06	6.81E-06
9619	436615.2	3762988	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.21E-06	6.81E-06
9620	436611.5	3762979	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.81E-06
9621	436607.8	3762970	2.63E-05	8.98E-05	4.09E-06	1.47E-05	2.20E-06	6.80E-06
9622	436604.2	3762961	2.63E-05	8.96E-05	4.08E-06	1.46E-05	2.20E-06	6.79E-06
9623	436600.5	3762952	2.62E-05	8.95E-05	4.08E-06	1.46E-05	2.20E-06	6.78E-06
9624	436596.8	3762943	2.62E-05	8.94E-05	4.07E-06	1.46E-05	2.19E-06	6.77E-06
9625	436593.2	3762935	2.62E-05	8.92E-05	4.07E-06	1.46E-05	2.19E-06	6.76E-06
9626	436589.5	3762926	2.61E-05	8.91E-05	4.06E-06	1.46E-05	2.19E-06	6.75E-06
9627	436585.8	3762917	2.61E-05	8.9E-05	4.05E-06	1.45E-05	2.18E-06	6.74E-06
9628	437365.5	3763664	1.26E-05	4.28E-05	1.95E-06	7.00E-06	1.05E-06	3.25E-06
9629	437375.1	3763664	1.26E-05	4.3E-05	1.96E-06	7.03E-06	1.06E-06	3.26E-06
9630	437384.8	3763664	1.27E-05	4.32E-05	1.97E-06	7.06E-06	1.06E-06	3.28E-06
9631	437394.4	3763664	1.27E-05	4.34E-05	1.98E-06	7.09E-06	1.07E-06	3.29E-06
9632	437404.1	3763664	1.28E-05	4.36E-05	1.99E-06	7.13E-06	1.07E-06	3.31E-06
9633	437413.7	3763664	1.29E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
9634	437423.4	3763664	1.29E-05	4.41E-05	2.01E-06	7.20E-06	1.08E-06	3.34E-06
9635	437433	3763664	1.3E-05	4.43E-05	2.02E-06	7.24E-06	1.09E-06	3.36E-06
9636	437442.7	3763664	1.31E-05	4.46E-05	2.03E-06	7.29E-06	1.09E-06	3.38E-06
9637	437452.3	3763664	1.32E-05	4.49E-05	2.04E-06	7.33E-06	1.10E-06	3.40E-06
9638	437462	3763664	1.32E-05	4.51E-05	2.06E-06	7.37E-06	1.11E-06	3.42E-06
9639	437471.6	3763664	1.33E-05	4.54E-05	2.07E-06	7.42E-06	1.11E-06	3.44E-06
9640	437481.3	3763664	1.34E-05	4.57E-05	2.08E-06	7.46E-06	1.12E-06	3.46E-06
9641	437490.9	3763663	1.35E-05	4.6E-05	2.10E-06	7.51E-06	1.13E-06	3.48E-06
9642	437500.6	3763663	1.35E-05	4.62E-05	2.10E-06	7.55E-06	1.13E-06	3.50E-06
9643	437510.2	3763663	1.36E-05	4.64E-05	2.11E-06	7.58E-06	1.14E-06	3.52E-06
9644	437519.9	3763663	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
9645	437529.5	3763663	1.37E-05	4.68E-05	2.13E-06	7.65E-06	1.15E-06	3.55E-06
9646	437539.2	3763663	1.38E-05	4.7E-05	2.14E-06	7.68E-06	1.15E-06	3.56E-06
9647	437548.8	3763663	1.39E-05	4.73E-05	2.15E-06	7.72E-06	1.16E-06	3.58E-06
9648	437356.7	3763700	1.17E-05	3.98E-05	1.81E-06	6.50E-06	9.77E-07	3.02E-06
9649	437347.8	3763696	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.80E-07	3.02E-06
9650	437338.9	3763693	1.17E-05	4E-05	1.82E-06	6.54E-06	9.82E-07	3.03E-06
9651	437285.6	3763671	1.19E-05	4.04E-05	1.84E-06	6.60E-06	9.92E-07	3.06E-06
9652	437276.7	3763667	1.19E-05	4.05E-05	1.85E-06	6.62E-06	9.95E-07	3.07E-06
9653	437267.8	3763663	1.19E-05	4.06E-05	1.85E-06	6.64E-06	9.97E-07	3.08E-06
9654	437259	3763660	1.19E-05	4.07E-05	1.86E-06	6.66E-06	1.00E-06	3.09E-06
9655	437250.1	3763656	1.2E-05	4.09E-05	1.86E-06	6.68E-06	1.00E-06	3.10E-06
9656	437241.2	3763652	1.2E-05	4.09E-05	1.87E-06	6.69E-06	1.00E-06	3.10E-06
9657	437232.3	3763649	1.2E-05	4.1E-05	1.87E-06	6.70E-06	1.01E-06	3.11E-06
9658	437223.4	3763645	1.2E-05	4.1E-05	1.87E-06	6.70E-06	1.01E-06	3.11E-06
9659	437214.6	3763641	1.2E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
9660	437205.7	3763638	1.21E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
9661	437196.8	3763634	1.21E-05	4.11E-05	1.87E-06	6.72E-06	1.01E-06	3.12E-06
9662	437187.9	3763630	1.21E-05	4.12E-05	1.88E-06	6.73E-06	1.01E-06	3.12E-06
9663	437116.8	3763601	1.26E-05	4.29E-05	1.96E-06	7.01E-06	1.05E-06	3.25E-06
9664	437108	3763598	1.26E-05	4.3E-05	1.96E-06	7.03E-06	1.06E-06	3.26E-06
9665	437099.1	3763594	1.27E-05	4.32E-05	1.97E-06	7.05E-06	1.06E-06	3.27E-06
9666	437090.2	3763590	1.27E-05	4.34E-05	1.98E-06	7.09E-06	1.07E-06	3.29E-06
9667	437081.3	3763587	1.28E-05	4.37E-05	1.99E-06	7.14E-06	1.07E-06	3.31E-06
9668	437072.4	3763583	1.3E-05	4.45E-05	2.03E-06	7.27E-06	1.09E-06	3.37E-06

9669	437063.6	3763579	1.31E-05	4.47E-05	2.04E-06	7.31E-06	1.10E-06	3.39E-06
9670	437054.7	3763576	1.32E-05	4.5E-05	2.05E-06	7.35E-06	1.10E-06	3.41E-06
9671	437045.8	3763572	1.33E-05	4.52E-05	2.06E-06	7.38E-06	1.11E-06	3.42E-06
9672	437036.9	3763568	1.33E-05	4.54E-05	2.07E-06	7.42E-06	1.12E-06	3.44E-06
9673	437028	3763565	1.34E-05	4.57E-05	2.08E-06	7.47E-06	1.12E-06	3.46E-06
9674	437019.1	3763561	1.35E-05	4.6E-05	2.10E-06	7.52E-06	1.13E-06	3.49E-06
9675	437010.3	3763557	1.36E-05	4.63E-05	2.11E-06	7.57E-06	1.14E-06	3.51E-06
9676	437001.4	3763554	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
9677	436992.5	3763550	1.37E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
9678	436983.6	3763546	1.38E-05	4.71E-05	2.15E-06	7.69E-06	1.16E-06	3.57E-06
9679	436974.7	3763543	1.39E-05	4.73E-05	2.16E-06	7.73E-06	1.16E-06	3.59E-06
9680	436965.9	3763539	1.39E-05	4.76E-05	2.17E-06	7.77E-06	1.17E-06	3.60E-06
9681	436957	3763535	0.000014	4.77E-05	2.18E-06	7.80E-06	1.17E-06	3.62E-06
9682	436948.1	3763532	1.41E-05	4.79E-05	2.18E-06	7.83E-06	1.18E-06	3.63E-06
9683	436939.2	3763528	1.41E-05	4.81E-05	2.19E-06	7.85E-06	1.18E-06	3.64E-06
9684	436930.3	3763524	1.41E-05	4.82E-05	2.20E-06	7.88E-06	1.18E-06	3.66E-06
9685	436921.4	3763521	1.42E-05	4.84E-05	2.21E-06	7.91E-06	1.19E-06	3.67E-06
9686	436912.6	3763517	1.42E-05	4.86E-05	2.21E-06	7.93E-06	1.19E-06	3.68E-06
9687	436903.7	3763513	1.43E-05	4.87E-05	2.22E-06	7.96E-06	1.20E-06	3.69E-06
9688	436894.8	3763510	1.43E-05	4.89E-05	2.23E-06	7.99E-06	1.20E-06	3.70E-06
9689	436885.9	3763506	1.44E-05	4.91E-05	2.24E-06	8.02E-06	1.21E-06	3.72E-06
9690	436877	3763502	1.45E-05	4.93E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
9691	436868.2	3763499	1.45E-05	4.96E-05	2.26E-06	8.10E-06	1.22E-06	3.76E-06
9692	436859.3	3763495	1.46E-05	4.98E-05	2.27E-06	8.13E-06	1.22E-06	3.77E-06
9693	436850.4	3763491	1.46E-05	4.99E-05	2.28E-06	8.16E-06	1.23E-06	3.78E-06
9694	436841.5	3763488	1.47E-05	5.01E-05	2.28E-06	8.19E-06	1.23E-06	3.80E-06
9695	436832.6	3763484	1.48E-05	5.03E-05	2.29E-06	8.22E-06	1.23E-06	3.81E-06
9696	436823.7	3763480	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.83E-06
9697	436814.9	3763477	1.49E-05	5.07E-05	2.31E-06	8.28E-06	1.24E-06	3.84E-06
9698	436806	3763473	1.49E-05	5.09E-05	2.32E-06	8.32E-06	1.25E-06	3.86E-06
9699	436797.1	3763469	1.5E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
9700	436788.2	3763466	1.5E-05	5.12E-05	2.33E-06	8.36E-06	1.26E-06	3.88E-06
9701	436779.3	3763462	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06
9702	436744.7	3763396	1.67E-05	5.7E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
9703	436741	3763387	1.7E-05	5.78E-05	2.63E-06	9.45E-06	1.42E-06	4.38E-06
9704	436737.3	3763378	1.72E-05	5.87E-05	2.67E-06	9.59E-06	1.44E-06	4.45E-06
9705	436733.6	3763370	1.75E-05	5.95E-05	2.71E-06	9.73E-06	1.46E-06	4.51E-06
9706	436730	3763361	1.77E-05	6.04E-05	2.75E-06	9.87E-06	1.48E-06	4.58E-06
9707	436726.3	3763352	1.8E-05	6.13E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
9708	436722.6	3763343	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.71E-06
9709	436718.9	3763334	1.85E-05	6.3E-05	2.87E-06	1.03E-05	1.55E-06	4.77E-06
9710	436715.2	3763325	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
9711	436711.6	3763316	1.9E-05	6.47E-05	2.95E-06	1.06E-05	1.59E-06	4.90E-06
9712	436707.9	3763307	1.92E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
9713	436704.2	3763299	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
9714	436700.5	3763290	1.97E-05	6.73E-05	3.07E-06	1.10E-05	1.65E-06	5.10E-06
9715	436696.8	3763281	1.99E-05	6.8E-05	3.10E-06	1.11E-05	1.67E-06	5.15E-06
9716	436693.1	3763272	2.01E-05	6.87E-05	3.13E-06	1.12E-05	1.69E-06	5.21E-06
9717	436689.5	3763263	2.04E-05	6.94E-05	3.16E-06	1.13E-05	1.70E-06	5.26E-06
9718	436685.8	3763254	2.06E-05	7.01E-05	3.20E-06	1.15E-05	1.72E-06	5.31E-06
9719	436682.1	3763245	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
9720	436678.4	3763236	2.1E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06

9721	436674.7	3763228	2.12E-05	7.23E-05	3.30E-06	1.18E-05	1.78E-06	5.48E-06
9722	436671.1	3763219	2.15E-05	7.32E-05	3.33E-06	1.20E-05	1.80E-06	5.55E-06
9723	436667.4	3763210	2.17E-05	7.4E-05	3.37E-06	1.21E-05	1.82E-06	5.61E-06
9724	436663.7	3763201	2.2E-05	7.49E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
9725	436660	3763192	2.22E-05	7.56E-05	3.45E-06	1.24E-05	1.86E-06	5.73E-06
9726	436656.3	3763183	2.24E-05	7.63E-05	3.48E-06	1.25E-05	1.87E-06	5.78E-06
9727	436652.6	3763174	2.26E-05	7.7E-05	3.51E-06	1.26E-05	1.89E-06	5.84E-06
9728	436649	3763165	2.28E-05	7.76E-05	3.54E-06	1.27E-05	1.91E-06	5.88E-06
9729	436645.3	3763157	2.29E-05	7.82E-05	3.56E-06	1.28E-05	1.92E-06	5.92E-06
9730	436641.6	3763148	2.31E-05	7.87E-05	3.59E-06	1.29E-05	1.93E-06	5.96E-06
9731	436637.9	3763139	2.32E-05	7.92E-05	3.61E-06	1.29E-05	1.94E-06	6.00E-06
9732	436634.2	3763130	2.33E-05	7.96E-05	3.63E-06	1.30E-05	1.95E-06	6.03E-06
9733	436630.6	3763121	2.34E-05	7.99E-05	3.64E-06	1.31E-05	1.96E-06	6.06E-06
9734	436626.9	3763112	2.35E-05	8.02E-05	3.66E-06	1.31E-05	1.97E-06	6.08E-06
9735	436623.2	3763103	2.36E-05	8.05E-05	3.67E-06	1.32E-05	1.98E-06	6.10E-06
9736	436619.5	3763094	2.37E-05	8.08E-05	3.68E-06	1.32E-05	1.98E-06	6.12E-06
9737	436615.8	3763086	2.38E-05	8.11E-05	3.70E-06	1.33E-05	1.99E-06	6.15E-06
9738	436612.2	3763077	2.39E-05	8.14E-05	3.71E-06	1.33E-05	2.00E-06	6.17E-06
9739	436608.5	3763068	2.4E-05	8.19E-05	3.73E-06	1.34E-05	2.01E-06	6.21E-06
9740	436604.8	3763059	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.23E-06
9741	436601.1	3763050	2.42E-05	8.24E-05	3.76E-06	1.35E-05	2.02E-06	6.25E-06
9742	436597.4	3763041	2.42E-05	8.26E-05	3.76E-06	1.35E-05	2.03E-06	6.26E-06
9743	436593.7	3763032	2.42E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
9744	436590.1	3763023	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
9745	436586.4	3763015	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
9746	436582.7	3763006	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.03E-06	6.28E-06
9747	436579	3762997	2.43E-05	8.29E-05	3.78E-06	1.35E-05	2.03E-06	6.28E-06
9748	436575.3	3762988	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.28E-06
9749	436571.7	3762979	2.43E-05	8.28E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
9750	436568	3762970	2.43E-05	8.27E-05	3.77E-06	1.35E-05	2.03E-06	6.27E-06
9751	436564.3	3762961	2.42E-05	8.26E-05	3.77E-06	1.35E-05	2.03E-06	6.26E-06
9752	436560.6	3762952	2.42E-05	8.25E-05	3.76E-06	1.35E-05	2.03E-06	6.25E-06
9753	436556.9	3762944	2.42E-05	8.24E-05	3.75E-06	1.35E-05	2.02E-06	6.24E-06
9754	436553.3	3762935	2.41E-05	8.23E-05	3.75E-06	1.34E-05	2.02E-06	6.23E-06
9755	436549.6	3762926	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.01E-06	6.22E-06
9756	436545.9	3762917	2.4E-05	8.19E-05	3.73E-06	1.34E-05	2.01E-06	6.21E-06
9757	437365.5	3763704	1.16E-05	3.97E-05	1.81E-06	6.49E-06	9.75E-07	3.01E-06
9758	437375.2	3763704	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.79E-07	3.02E-06
9759	437384.8	3763704	1.18E-05	4.01E-05	1.83E-06	6.55E-06	9.84E-07	3.04E-06
9760	437394.5	3763704	1.18E-05	4.03E-05	1.83E-06	6.58E-06	9.88E-07	3.05E-06
9761	437404.1	3763704	1.19E-05	4.04E-05	1.84E-06	6.60E-06	9.92E-07	3.06E-06
9762	437413.8	3763704	1.19E-05	4.06E-05	1.85E-06	6.63E-06	9.96E-07	3.08E-06
9763	437423.4	3763704	1.19E-05	4.07E-05	1.86E-06	6.66E-06	1.00E-06	3.09E-06
9764	437433.1	3763704	1.2E-05	4.09E-05	1.86E-06	6.68E-06	1.00E-06	3.10E-06
9765	437442.8	3763704	1.2E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
9766	437452.4	3763704	1.21E-05	4.13E-05	1.88E-06	6.74E-06	1.01E-06	3.13E-06
9767	437462.1	3763704	1.22E-05	4.14E-05	1.89E-06	6.77E-06	1.02E-06	3.14E-06
9768	437471.7	3763704	1.22E-05	4.16E-05	1.90E-06	6.80E-06	1.02E-06	3.15E-06
9769	437481.4	3763704	1.23E-05	4.18E-05	1.91E-06	6.83E-06	1.03E-06	3.17E-06
9770	437491	3763703	1.23E-05	4.2E-05	1.91E-06	6.86E-06	1.03E-06	3.18E-06
9771	437500.7	3763703	1.24E-05	4.23E-05	1.93E-06	6.91E-06	1.04E-06	3.20E-06
9772	437510.3	3763703	1.25E-05	4.26E-05	1.94E-06	6.95E-06	1.04E-06	3.22E-06

9773	437520	3763703	1.26E-05	4.29E-05	1.95E-06	7.00E-06	1.05E-06	3.25E-06
9774	437529.6	3763703	1.26E-05	4.31E-05	1.96E-06	7.04E-06	1.06E-06	3.26E-06
9775	437539.3	3763703	1.27E-05	4.33E-05	1.97E-06	7.07E-06	1.06E-06	3.28E-06
9776	437548.9	3763703	1.28E-05	4.35E-05	1.98E-06	7.11E-06	1.07E-06	3.30E-06
9777	437356.7	3763740	1.09E-05	3.71E-05	1.69E-06	6.06E-06	9.11E-07	2.81E-06
9778	437347.8	3763736	1.09E-05	3.72E-05	1.69E-06	6.07E-06	9.12E-07	2.82E-06
9779	437338.9	3763733	1.09E-05	3.72E-05	1.70E-06	6.08E-06	9.14E-07	2.82E-06
9780	437330	3763729	1.09E-05	3.73E-05	1.70E-06	6.09E-06	9.16E-07	2.83E-06
9781	437321.1	3763725	1.1E-05	3.74E-05	1.70E-06	6.10E-06	9.17E-07	2.83E-06
9782	437312.2	3763722	1.1E-05	3.74E-05	1.70E-06	6.11E-06	9.18E-07	2.83E-06
9783	437303.3	3763718	1.1E-05	3.75E-05	1.71E-06	6.12E-06	9.20E-07	2.84E-06
9784	437294.4	3763714	1.1E-05	3.75E-05	1.71E-06	6.13E-06	9.21E-07	2.84E-06
9785	437285.5	3763711	1.1E-05	3.76E-05	1.71E-06	6.14E-06	9.22E-07	2.85E-06
9786	437276.6	3763707	1.1E-05	3.76E-05	1.71E-06	6.15E-06	9.23E-07	2.85E-06
9787	437267.7	3763703	1.1E-05	3.77E-05	1.72E-06	6.15E-06	9.25E-07	2.85E-06
9788	437258.8	3763700	1.11E-05	3.77E-05	1.72E-06	6.16E-06	9.26E-07	2.86E-06
9789	437249.8	3763696	1.11E-05	3.78E-05	1.72E-06	6.18E-06	9.28E-07	2.86E-06
9790	437240.9	3763692	1.11E-05	3.79E-05	1.73E-06	6.19E-06	9.30E-07	2.87E-06
9791	437143	3763652	1.14E-05	3.9E-05	1.78E-06	6.37E-06	9.57E-07	2.96E-06
9792	437134.1	3763648	1.15E-05	3.92E-05	1.79E-06	6.41E-06	9.62E-07	2.97E-06
9793	437125.2	3763645	1.16E-05	3.94E-05	1.80E-06	6.44E-06	9.67E-07	2.99E-06
9794	437116.3	3763641	1.16E-05	3.96E-05	1.80E-06	6.46E-06	9.71E-07	3.00E-06
9795	437107.3	3763637	1.17E-05	3.98E-05	1.81E-06	6.49E-06	9.76E-07	3.01E-06
9796	437098.4	3763634	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.80E-07	3.03E-06
9797	437089.5	3763630	1.18E-05	4.01E-05	1.83E-06	6.56E-06	9.85E-07	3.04E-06
9798	437027.2	3763604	1.22E-05	4.15E-05	1.89E-06	6.78E-06	1.02E-06	3.15E-06
9799	437018.3	3763601	1.22E-05	4.18E-05	1.90E-06	6.82E-06	1.02E-06	3.16E-06
9800	437009.4	3763597	1.23E-05	4.19E-05	1.91E-06	6.85E-06	1.03E-06	3.18E-06
9801	437000.5	3763593	1.24E-05	4.22E-05	1.92E-06	6.90E-06	1.04E-06	3.20E-06
9802	436991.6	3763589	1.25E-05	4.25E-05	1.94E-06	6.95E-06	1.04E-06	3.22E-06
9803	436982.7	3763586	1.27E-05	4.31E-05	1.97E-06	7.05E-06	1.06E-06	3.27E-06
9804	436973.8	3763582	1.27E-05	4.34E-05	1.98E-06	7.09E-06	1.06E-06	3.29E-06
9805	436964.9	3763578	1.28E-05	4.36E-05	1.99E-06	7.12E-06	1.07E-06	3.30E-06
9806	436955.9	3763575	1.29E-05	4.38E-05	2.00E-06	7.16E-06	1.08E-06	3.32E-06
9807	436947	3763571	1.29E-05	4.4E-05	2.01E-06	7.19E-06	1.08E-06	3.34E-06
9808	436938.1	3763567	1.3E-05	4.42E-05	2.01E-06	7.22E-06	1.09E-06	3.35E-06
9809	436929.2	3763564	1.3E-05	4.44E-05	2.02E-06	7.25E-06	1.09E-06	3.36E-06
9810	436920.3	3763560	1.31E-05	4.46E-05	2.03E-06	7.28E-06	1.09E-06	3.38E-06
9811	436911.4	3763556	1.31E-05	4.46E-05	2.03E-06	7.29E-06	1.10E-06	3.38E-06
9812	436902.5	3763553	1.31E-05	4.48E-05	2.04E-06	7.32E-06	1.10E-06	3.39E-06
9813	436893.6	3763549	1.32E-05	4.49E-05	2.05E-06	7.34E-06	1.10E-06	3.40E-06
9814	436884.7	3763545	1.32E-05	4.51E-05	2.06E-06	7.37E-06	1.11E-06	3.42E-06
9815	436875.8	3763542	1.33E-05	4.53E-05	2.06E-06	7.40E-06	1.11E-06	3.43E-06
9816	436866.9	3763538	1.33E-05	4.55E-05	2.07E-06	7.43E-06	1.12E-06	3.44E-06
9817	436858	3763534	1.34E-05	4.56E-05	2.08E-06	7.45E-06	1.12E-06	3.46E-06
9818	436849.1	3763531	1.34E-05	4.57E-05	2.08E-06	7.47E-06	1.12E-06	3.46E-06
9819	436840.2	3763527	1.34E-05	4.59E-05	2.09E-06	7.49E-06	1.13E-06	3.47E-06
9820	436831.3	3763523	1.35E-05	4.6E-05	2.10E-06	7.51E-06	1.13E-06	3.49E-06
9821	436822.4	3763520	1.35E-05	4.61E-05	2.10E-06	7.54E-06	1.13E-06	3.50E-06
9822	436813.4	3763516	1.36E-05	4.63E-05	2.11E-06	7.56E-06	1.14E-06	3.51E-06
9823	436804.5	3763512	1.36E-05	4.65E-05	2.12E-06	7.59E-06	1.14E-06	3.52E-06
9824	436795.6	3763509	1.37E-05	4.67E-05	2.13E-06	7.62E-06	1.15E-06	3.54E-06

9825	436786.7	3763505	1.37E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
9826	436777.8	3763501	1.38E-05	4.7E-05	2.14E-06	7.68E-06	1.15E-06	3.56E-06
9827	436738.5	3763478	1.41E-05	4.82E-05	2.20E-06	7.88E-06	1.18E-06	3.66E-06
9828	436734.8	3763469	1.44E-05	4.9E-05	2.23E-06	8.00E-06	1.20E-06	3.71E-06
9829	436731.1	3763460	1.46E-05	4.97E-05	2.26E-06	8.12E-06	1.22E-06	3.77E-06
9830	436727.4	3763451	1.48E-05	5.05E-05	2.30E-06	8.24E-06	1.24E-06	3.82E-06
9831	436723.7	3763442	1.5E-05	5.12E-05	2.33E-06	8.37E-06	1.26E-06	3.88E-06
9832	436720	3763433	1.52E-05	5.2E-05	2.37E-06	8.49E-06	1.28E-06	3.94E-06
9833	436716.4	3763424	1.55E-05	5.27E-05	2.40E-06	8.61E-06	1.29E-06	3.99E-06
9834	436712.7	3763415	1.57E-05	5.35E-05	2.44E-06	8.74E-06	1.31E-06	4.05E-06
9835	436709	3763407	1.59E-05	5.42E-05	2.47E-06	8.86E-06	1.33E-06	4.11E-06
9836	436705.3	3763398	1.61E-05	5.5E-05	2.51E-06	8.99E-06	1.35E-06	4.17E-06
9837	436701.6	3763389	1.64E-05	5.58E-05	2.54E-06	9.11E-06	1.37E-06	4.23E-06
9838	436697.9	3763380	1.66E-05	5.66E-05	2.58E-06	9.24E-06	1.39E-06	4.29E-06
9839	436694.2	3763371	1.68E-05	5.73E-05	2.61E-06	9.36E-06	1.41E-06	4.34E-06
9840	436690.5	3763362	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
9841	436686.8	3763353	1.73E-05	5.88E-05	2.68E-06	9.61E-06	1.44E-06	4.46E-06
9842	436683.1	3763344	1.75E-05	5.96E-05	2.71E-06	9.73E-06	1.46E-06	4.51E-06
9843	436679.4	3763335	1.77E-05	6.03E-05	2.75E-06	9.84E-06	1.48E-06	4.57E-06
9844	436675.8	3763326	1.79E-05	6.09E-05	2.78E-06	9.95E-06	1.50E-06	4.62E-06
9845	436672.1	3763318	1.81E-05	6.16E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
9846	436668.4	3763309	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
9847	436664.7	3763300	1.85E-05	6.31E-05	2.87E-06	1.03E-05	1.55E-06	4.78E-06
9848	436661	3763291	1.87E-05	6.38E-05	2.91E-06	1.04E-05	1.56E-06	4.83E-06
9849	436657.3	3763282	1.89E-05	6.44E-05	2.94E-06	1.05E-05	1.58E-06	4.88E-06
9850	436653.6	3763273	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
9851	436649.9	3763264	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.99E-06
9852	436646.2	3763255	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
9853	436642.5	3763246	1.97E-05	6.71E-05	3.06E-06	1.10E-05	1.65E-06	5.08E-06
9854	436638.8	3763237	1.98E-05	6.77E-05	3.08E-06	1.11E-05	1.66E-06	5.13E-06
9855	436635.1	3763229	2E-05	6.83E-05	3.11E-06	1.12E-05	1.68E-06	5.18E-06
9856	436631.5	3763220	2.02E-05	6.9E-05	3.15E-06	1.13E-05	1.69E-06	5.23E-06
9857	436627.8	3763211	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
9858	436624.1	3763202	2.07E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
9859	436620.4	3763193	2.08E-05	7.1E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
9860	436616.7	3763184	2.1E-05	7.16E-05	3.26E-06	1.17E-05	1.76E-06	5.42E-06
9861	436613	3763175	2.11E-05	7.21E-05	3.28E-06	1.18E-05	1.77E-06	5.46E-06
9862	436609.3	3763166	2.13E-05	7.26E-05	3.31E-06	1.19E-05	1.78E-06	5.50E-06
9863	436605.6	3763157	2.14E-05	7.31E-05	3.33E-06	1.19E-05	1.79E-06	5.54E-06
9864	436601.9	3763148	2.16E-05	7.36E-05	3.35E-06	1.20E-05	1.81E-06	5.58E-06
9865	436598.2	3763140	2.17E-05	7.4E-05	3.37E-06	1.21E-05	1.82E-06	5.61E-06
9866	436594.5	3763131	2.18E-05	7.43E-05	3.38E-06	1.21E-05	1.82E-06	5.63E-06
9867	436590.9	3763122	2.19E-05	7.45E-05	3.40E-06	1.22E-05	1.83E-06	5.65E-06
9868	436587.2	3763113	2.19E-05	7.48E-05	3.41E-06	1.22E-05	1.84E-06	5.67E-06
9869	436583.5	3763104	2.2E-05	7.51E-05	3.42E-06	1.23E-05	1.84E-06	5.69E-06
9870	436579.8	3763095	2.21E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
9871	436576.1	3763086	2.22E-05	7.58E-05	3.45E-06	1.24E-05	1.86E-06	5.74E-06
9872	436572.4	3763077	2.23E-05	7.61E-05	3.47E-06	1.24E-05	1.87E-06	5.76E-06
9873	436568.7	3763068	2.24E-05	7.62E-05	3.47E-06	1.25E-05	1.87E-06	5.78E-06
9874	436565	3763060	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.87E-06	5.79E-06
9875	436561.3	3763051	2.24E-05	7.65E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
9876	436557.6	3763042	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06

9877	436553.9	3763033	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9878	436550.2	3763024	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9879	436546.6	3763015	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9880	436542.9	3763006	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9881	436539.2	3762997	2.25E-05	7.67E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9882	436535.5	3762988	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.81E-06
9883	436531.8	3762979	2.25E-05	7.66E-05	3.49E-06	1.25E-05	1.88E-06	5.80E-06
9884	436528.1	3762971	2.24E-05	7.65E-05	3.48E-06	1.25E-05	1.88E-06	5.79E-06
9885	436524.4	3762962	2.24E-05	7.64E-05	3.48E-06	1.25E-05	1.87E-06	5.79E-06
9886	436520.7	3762953	2.24E-05	7.63E-05	3.48E-06	1.25E-05	1.87E-06	5.78E-06
9887	436517	3762944	2.23E-05	7.62E-05	3.47E-06	1.24E-05	1.87E-06	5.77E-06
9888	436513.3	3762935	2.23E-05	7.6E-05	3.46E-06	1.24E-05	1.87E-06	5.76E-06
9889	436509.6	3762926	2.23E-05	7.59E-05	3.46E-06	1.24E-05	1.86E-06	5.75E-06
9890	436506	3762917	2.22E-05	7.57E-05	3.45E-06	1.24E-05	1.86E-06	5.74E-06
9891	436502.3	3762908	2.22E-05	7.55E-05	3.44E-06	1.23E-05	1.85E-06	5.72E-06
9892	437365.6	3763744	1.09E-05	3.7E-05	1.69E-06	6.05E-06	9.09E-07	2.81E-06
9893	437375.3	3763744	1.09E-05	3.72E-05	1.69E-06	6.08E-06	9.13E-07	2.82E-06
9894	437384.9	3763744	1.1E-05	3.73E-05	1.70E-06	6.10E-06	9.17E-07	2.83E-06
9895	437394.6	3763744	1.1E-05	3.75E-05	1.71E-06	6.13E-06	9.21E-07	2.84E-06
9896	437404.2	3763744	1.1E-05	3.77E-05	1.72E-06	6.15E-06	9.24E-07	2.85E-06
9897	437413.9	3763744	1.11E-05	3.78E-05	1.72E-06	6.17E-06	9.28E-07	2.86E-06
9898	437423.5	3763744	1.11E-05	3.79E-05	1.73E-06	6.19E-06	9.30E-07	2.87E-06
9899	437433.2	3763744	1.11E-05	3.8E-05	1.73E-06	6.21E-06	9.33E-07	2.88E-06
9900	437442.8	3763744	1.12E-05	3.81E-05	1.74E-06	6.23E-06	9.36E-07	2.89E-06
9901	437452.5	3763744	1.12E-05	3.82E-05	1.74E-06	6.25E-06	9.39E-07	2.90E-06
9902	437462.1	3763744	1.12E-05	3.83E-05	1.75E-06	6.26E-06	9.41E-07	2.91E-06
9903	437471.8	3763744	1.13E-05	3.85E-05	1.75E-06	6.29E-06	9.45E-07	2.92E-06
9904	437481.4	3763744	1.13E-05	3.87E-05	1.76E-06	6.32E-06	9.49E-07	2.93E-06
9905	437491.1	3763743	1.14E-05	3.88E-05	1.77E-06	6.34E-06	9.53E-07	2.94E-06
9906	437500.7	3763743	1.15E-05	3.91E-05	1.78E-06	6.39E-06	9.60E-07	2.96E-06
9907	437510.4	3763743	1.16E-05	3.94E-05	1.80E-06	6.44E-06	9.67E-07	2.99E-06
9908	437520	3763743	1.16E-05	3.97E-05	1.81E-06	6.49E-06	9.75E-07	3.01E-06
9909	437529.7	3763743	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.79E-07	3.02E-06
9910	437539.3	3763743	1.18E-05	4.01E-05	1.83E-06	6.55E-06	9.84E-07	3.04E-06
9911	437549	3763743	1.18E-05	4.03E-05	1.83E-06	6.58E-06	9.88E-07	3.05E-06
9912	437356.9	3763780	1.02E-05	3.47E-05	1.58E-06	5.67E-06	8.51E-07	2.63E-06
9913	437348.1	3763776	1.02E-05	3.47E-05	1.58E-06	5.67E-06	8.53E-07	2.63E-06
9914	437339.3	3763773	1.02E-05	3.48E-05	1.59E-06	5.68E-06	8.54E-07	2.64E-06
9915	437330.5	3763769	1.02E-05	3.49E-05	1.59E-06	5.69E-06	8.55E-07	2.64E-06
9916	437321.7	3763766	1.02E-05	3.49E-05	1.59E-06	5.70E-06	8.57E-07	2.65E-06
9917	437312.9	3763762	1.03E-05	3.5E-05	1.59E-06	5.71E-06	8.59E-07	2.65E-06
9918	437304.1	3763758	1.03E-05	3.5E-05	1.60E-06	5.72E-06	8.60E-07	2.65E-06
9919	437295.2	3763755	1.03E-05	3.51E-05	1.60E-06	5.73E-06	8.61E-07	2.66E-06
9920	437286.4	3763751	1.03E-05	3.51E-05	1.60E-06	5.74E-06	8.62E-07	2.66E-06
9921	437277.6	3763747	1.03E-05	3.51E-05	1.60E-06	5.74E-06	8.62E-07	2.66E-06
9922	437268.8	3763744	1.03E-05	3.52E-05	1.60E-06	5.74E-06	8.63E-07	2.66E-06
9923	437260	3763740	1.03E-05	3.52E-05	1.60E-06	5.75E-06	8.63E-07	2.66E-06
9924	437251.2	3763737	1.03E-05	3.52E-05	1.60E-06	5.75E-06	8.64E-07	2.67E-06
9925	437242.4	3763733	1.03E-05	3.52E-05	1.61E-06	5.76E-06	8.65E-07	2.67E-06
9926	437233.6	3763729	1.04E-05	3.53E-05	1.61E-06	5.77E-06	8.67E-07	2.68E-06
9927	437224.8	3763726	1.04E-05	3.54E-05	1.61E-06	5.78E-06	8.69E-07	2.68E-06
9928	437216	3763722	1.04E-05	3.55E-05	1.62E-06	5.79E-06	8.71E-07	2.69E-06

9929	437207.2	3763718	1.04E-05	3.55E-05	1.62E-06	5.81E-06	8.72E-07	2.69E-06
9930	437198.4	3763715	1.05E-05	3.56E-05	1.62E-06	5.82E-06	8.75E-07	2.70E-06
9931	437189.6	3763711	1.05E-05	3.57E-05	1.63E-06	5.84E-06	8.77E-07	2.71E-06
9932	437180.7	3763707	1.05E-05	3.58E-05	1.63E-06	5.85E-06	8.78E-07	2.71E-06
9933	437101.5	3763675	1.08E-05	3.68E-05	1.68E-06	6.00E-06	9.02E-07	2.79E-06
9934	437092.7	3763671	1.08E-05	3.69E-05	1.68E-06	6.03E-06	9.06E-07	2.80E-06
9935	437083.9	3763668	1.09E-05	3.71E-05	1.69E-06	6.06E-06	9.10E-07	2.81E-06
9936	437075.1	3763664	1.09E-05	3.72E-05	1.70E-06	6.08E-06	9.14E-07	2.82E-06
9937	437066.2	3763660	1.1E-05	3.74E-05	1.71E-06	6.12E-06	9.19E-07	2.84E-06
9938	437057.4	3763657	1.1E-05	3.76E-05	1.71E-06	6.15E-06	9.23E-07	2.85E-06
9939	437048.6	3763653	1.11E-05	3.78E-05	1.72E-06	6.18E-06	9.28E-07	2.86E-06
9940	437039.8	3763649	1.11E-05	3.8E-05	1.73E-06	6.21E-06	9.33E-07	2.88E-06
9941	437031	3763646	1.12E-05	3.82E-05	1.74E-06	6.24E-06	9.38E-07	2.89E-06
9942	437022.2	3763642	1.13E-05	3.84E-05	1.75E-06	6.28E-06	9.43E-07	2.91E-06
9943	437013.4	3763638	1.13E-05	3.87E-05	1.76E-06	6.32E-06	9.49E-07	2.93E-06
9944	437004.6	3763635	1.14E-05	3.89E-05	1.77E-06	6.36E-06	9.56E-07	2.95E-06
9945	436925.3	3763602	1.2E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
9946	436916.5	3763598	1.21E-05	4.12E-05	1.88E-06	6.74E-06	1.01E-06	3.12E-06
9947	436907.7	3763595	1.21E-05	4.13E-05	1.88E-06	6.74E-06	1.01E-06	3.13E-06
9948	436898.9	3763591	1.21E-05	4.14E-05	1.89E-06	6.77E-06	1.02E-06	3.14E-06
9949	436890.1	3763588	1.22E-05	4.16E-05	1.89E-06	6.79E-06	1.02E-06	3.15E-06
9950	436881.3	3763584	1.22E-05	4.18E-05	1.90E-06	6.82E-06	1.02E-06	3.16E-06
9951	436872.5	3763580	1.23E-05	4.19E-05	1.91E-06	6.85E-06	1.03E-06	3.18E-06
9952	436863.7	3763577	1.23E-05	4.21E-05	1.92E-06	6.88E-06	1.03E-06	3.19E-06
9953	436854.9	3763573	1.24E-05	4.22E-05	1.92E-06	6.90E-06	1.04E-06	3.20E-06
9954	436846.1	3763569	1.24E-05	4.23E-05	1.93E-06	6.92E-06	1.04E-06	3.21E-06
9955	436837.2	3763566	1.24E-05	4.24E-05	1.93E-06	6.93E-06	1.04E-06	3.21E-06
9956	436828.4	3763562	1.25E-05	4.25E-05	1.93E-06	6.94E-06	1.04E-06	3.22E-06
9957	436819.6	3763559	1.25E-05	4.25E-05	1.94E-06	6.95E-06	1.04E-06	3.22E-06
9958	436810.8	3763555	1.25E-05	4.27E-05	1.94E-06	6.97E-06	1.05E-06	3.23E-06
9959	436802	3763551	1.25E-05	4.27E-05	1.95E-06	6.98E-06	1.05E-06	3.24E-06
9960	436793.2	3763548	1.26E-05	4.29E-05	1.95E-06	7.00E-06	1.05E-06	3.25E-06
9961	436784.4	3763544	1.26E-05	4.3E-05	1.96E-06	7.02E-06	1.06E-06	3.26E-06
9962	436775.6	3763540	1.27E-05	4.31E-05	1.97E-06	7.05E-06	1.06E-06	3.27E-06
9963	436740.4	3763526	1.28E-05	4.38E-05	1.99E-06	7.15E-06	1.07E-06	3.32E-06
9964	436731.6	3763522	1.29E-05	4.39E-05	2.00E-06	7.17E-06	1.08E-06	3.33E-06
9965	436722.7	3763519	1.29E-05	4.41E-05	2.01E-06	7.20E-06	1.08E-06	3.34E-06
9966	436710.3	3763506	1.32E-05	4.49E-05	2.04E-06	7.33E-06	1.10E-06	3.40E-06
9967	436706.6	3763497	1.34E-05	4.56E-05	2.08E-06	7.44E-06	1.12E-06	3.45E-06
9968	436703	3763489	1.36E-05	4.62E-05	2.11E-06	7.55E-06	1.13E-06	3.50E-06
9969	436699.3	3763480	1.37E-05	4.69E-05	2.14E-06	7.66E-06	1.15E-06	3.55E-06
9970	436695.7	3763471	1.39E-05	4.75E-05	2.17E-06	7.77E-06	1.17E-06	3.60E-06
9971	436692	3763462	1.41E-05	4.82E-05	2.20E-06	7.88E-06	1.18E-06	3.65E-06
9972	436688.4	3763453	1.43E-05	4.89E-05	2.23E-06	7.98E-06	1.20E-06	3.70E-06
9973	436684.7	3763445	1.45E-05	4.95E-05	2.26E-06	8.09E-06	1.21E-06	3.75E-06
9974	436681.1	3763436	1.47E-05	5.02E-05	2.29E-06	8.19E-06	1.23E-06	3.80E-06
9975	436677.4	3763427	1.49E-05	5.09E-05	2.32E-06	8.31E-06	1.25E-06	3.85E-06
9976	436673.8	3763418	1.51E-05	5.16E-05	2.35E-06	8.42E-06	1.27E-06	3.91E-06
9977	436670.1	3763409	1.53E-05	5.23E-05	2.38E-06	8.54E-06	1.28E-06	3.96E-06
9978	436666.5	3763401	1.55E-05	5.29E-05	2.41E-06	8.65E-06	1.30E-06	4.01E-06
9979	436662.8	3763392	1.57E-05	5.36E-05	2.44E-06	8.76E-06	1.32E-06	4.06E-06
9980	436659.2	3763383	1.59E-05	5.43E-05	2.48E-06	8.87E-06	1.33E-06	4.12E-06

9981	436655.5	3763374	1.61E-05	5.5E-05	2.51E-06	8.99E-06	1.35E-06	4.17E-06
9982	436651.9	3763365	1.63E-05	5.57E-05	2.54E-06	9.09E-06	1.37E-06	4.22E-06
9983	436648.2	3763357	1.65E-05	5.63E-05	2.57E-06	9.20E-06	1.38E-06	4.27E-06
9984	436644.6	3763348	1.67E-05	5.7E-05	2.60E-06	9.31E-06	1.40E-06	4.32E-06
9985	436640.9	3763339	1.69E-05	5.76E-05	2.63E-06	9.41E-06	1.41E-06	4.37E-06
9986	436637.3	3763330	1.71E-05	5.82E-05	2.65E-06	9.51E-06	1.43E-06	4.41E-06
9987	436633.6	3763321	1.73E-05	5.88E-05	2.68E-06	9.61E-06	1.44E-06	4.46E-06
9988	436630	3763313	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
9989	436626.3	3763304	1.76E-05	6E-05	2.73E-06	9.80E-06	1.47E-06	4.55E-06
9990	436622.7	3763295	1.78E-05	6.06E-05	2.76E-06	9.90E-06	1.49E-06	4.59E-06
9991	436619	3763286	1.79E-05	6.11E-05	2.78E-06	9.98E-06	1.50E-06	4.63E-06
9992	436615.4	3763277	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
9993	436611.7	3763269	1.83E-05	6.23E-05	2.84E-06	1.02E-05	1.53E-06	4.72E-06
9994	436608.1	3763260	1.84E-05	6.28E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
9995	436604.4	3763251	1.86E-05	6.34E-05	2.89E-06	1.04E-05	1.56E-06	4.80E-06
9996	436600.8	3763242	1.88E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.85E-06
9997	436597.1	3763233	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
9998	436593.5	3763225	1.91E-05	6.51E-05	2.97E-06	1.06E-05	1.60E-06	4.93E-06
9999	436589.8	3763216	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
10000	436586.2	3763207	1.95E-05	6.64E-05	3.03E-06	1.08E-05	1.63E-06	5.03E-06
10001	436582.5	3763198	1.97E-05	6.7E-05	3.05E-06	1.09E-05	1.64E-06	5.08E-06
10002	436578.9	3763189	1.98E-05	6.74E-05	3.07E-06	1.10E-05	1.66E-06	5.11E-06
10003	436575.2	3763181	1.99E-05	6.78E-05	3.09E-06	1.11E-05	1.67E-06	5.14E-06
10004	436571.6	3763172	2E-05	6.82E-05	3.11E-06	1.11E-05	1.68E-06	5.17E-06
10005	436567.9	3763163	2.01E-05	6.86E-05	3.13E-06	1.12E-05	1.68E-06	5.20E-06
10006	436564.3	3763154	2.02E-05	6.89E-05	3.14E-06	1.13E-05	1.69E-06	5.22E-06
10007	436560.6	3763145	2.03E-05	6.93E-05	3.16E-06	1.13E-05	1.70E-06	5.25E-06
10008	436557	3763137	2.04E-05	6.96E-05	3.17E-06	1.14E-05	1.71E-06	5.27E-06
10009	436553.3	3763128	2.05E-05	6.98E-05	3.18E-06	1.14E-05	1.71E-06	5.29E-06
10010	436549.7	3763119	2.06E-05	7.01E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
10011	436546	3763110	2.06E-05	7.03E-05	3.20E-06	1.15E-05	1.73E-06	5.33E-06
10012	436542.4	3763101	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
10013	436538.7	3763093	2.07E-05	7.07E-05	3.22E-06	1.15E-05	1.73E-06	5.36E-06
10014	436535.1	3763084	2.08E-05	7.08E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
10015	436531.4	3763075	2.08E-05	7.1E-05	3.23E-06	1.16E-05	1.74E-06	5.38E-06
10016	436527.8	3763066	2.08E-05	7.11E-05	3.24E-06	1.16E-05	1.74E-06	5.39E-06
10017	436524.1	3763057	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
10018	436520.5	3763049	2.09E-05	7.12E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10019	436516.8	3763040	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10020	436513.2	3763031	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10021	436509.5	3763022	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10022	436505.9	3763013	2.09E-05	7.13E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10023	436502.2	3763005	2.09E-05	7.12E-05	3.25E-06	1.16E-05	1.75E-06	5.40E-06
10024	436498.6	3762996	2.09E-05	7.12E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
10025	436494.9	3762987	2.09E-05	7.11E-05	3.24E-06	1.16E-05	1.75E-06	5.39E-06
10026	436491.3	3762978	2.08E-05	7.1E-05	3.24E-06	1.16E-05	1.74E-06	5.38E-06
10027	436487.6	3762969	2.08E-05	7.1E-05	3.23E-06	1.16E-05	1.74E-06	5.38E-06
10028	436484	3762961	2.08E-05	7.09E-05	3.23E-06	1.16E-05	1.74E-06	5.37E-06
10029	436480.3	3762952	2.07E-05	7.07E-05	3.22E-06	1.16E-05	1.74E-06	5.36E-06
10030	436476.7	3762943	2.07E-05	7.06E-05	3.22E-06	1.15E-05	1.73E-06	5.35E-06
10031	436473	3762934	2.07E-05	7.05E-05	3.21E-06	1.15E-05	1.73E-06	5.34E-06
10032	436469.4	3762925	2.06E-05	7.04E-05	3.21E-06	1.15E-05	1.73E-06	5.33E-06

10033	436465.7	3762917	2.06E-05	7.02E-05	3.20E-06	1.15E-05	1.72E-06	5.32E-06
10034	436462.1	3762908	2.06E-05	7.01E-05	3.19E-06	1.14E-05	1.72E-06	5.31E-06
10035	437365.7	3763784	1.02E-05	3.46E-05	1.58E-06	5.66E-06	8.50E-07	2.62E-06
10036	437375.4	3763784	1.02E-05	3.48E-05	1.58E-06	5.68E-06	8.54E-07	2.64E-06
10037	437385	3763784	1.02E-05	3.49E-05	1.59E-06	5.70E-06	8.57E-07	2.65E-06
10038	437394.7	3763784	1.03E-05	3.5E-05	1.60E-06	5.72E-06	8.60E-07	2.65E-06
10039	437404.3	3763784	1.03E-05	3.52E-05	1.60E-06	5.75E-06	8.63E-07	2.66E-06
10040	437414	3763784	1.03E-05	3.53E-05	1.61E-06	5.76E-06	8.66E-07	2.67E-06
10041	437423.6	3763784	1.04E-05	3.54E-05	1.61E-06	5.78E-06	8.69E-07	2.68E-06
10042	437433.3	3763784	1.04E-05	3.55E-05	1.62E-06	5.80E-06	8.71E-07	2.69E-06
10043	437442.9	3763784	1.04E-05	3.56E-05	1.62E-06	5.81E-06	8.73E-07	2.70E-06
10044	437452.6	3763784	1.05E-05	3.57E-05	1.63E-06	5.83E-06	8.76E-07	2.70E-06
10045	437462.2	3763784	1.05E-05	3.58E-05	1.63E-06	5.84E-06	8.78E-07	2.71E-06
10046	437471.9	3763784	1.05E-05	3.59E-05	1.64E-06	5.87E-06	8.82E-07	2.72E-06
10047	437481.5	3763784	1.06E-05	3.61E-05	1.65E-06	5.90E-06	8.87E-07	2.74E-06
10048	437491.2	3763783	1.06E-05	3.63E-05	1.65E-06	5.93E-06	8.91E-07	2.75E-06
10049	437500.8	3763783	1.07E-05	3.65E-05	1.66E-06	5.97E-06	8.96E-07	2.77E-06
10050	437510.5	3763783	1.08E-05	3.67E-05	1.67E-06	6.00E-06	9.02E-07	2.78E-06
10051	437520.1	3763783	1.08E-05	3.7E-05	1.69E-06	6.04E-06	9.08E-07	2.80E-06
10052	437529.8	3763783	1.09E-05	3.71E-05	1.69E-06	6.06E-06	9.11E-07	2.81E-06
10053	437539.4	3763783	1.09E-05	3.72E-05	1.70E-06	6.08E-06	9.13E-07	2.82E-06
10054	437549.1	3763783	1.09E-05	3.73E-05	1.70E-06	6.10E-06	9.16E-07	2.83E-06
10055	437357	3763820	9.55E-06	3.26E-05	1.48E-06	5.32E-06	7.99E-07	2.47E-06
10056	437348.1	3763816	9.57E-06	3.26E-05	1.49E-06	5.33E-06	8.01E-07	2.47E-06
10057	437339.3	3763813	9.58E-06	3.27E-05	1.49E-06	5.34E-06	8.02E-07	2.47E-06
10058	437330.5	3763809	9.59E-06	3.27E-05	1.49E-06	5.34E-06	8.03E-07	2.48E-06
10059	437321.6	3763806	9.61E-06	3.28E-05	1.49E-06	5.35E-06	8.04E-07	2.48E-06
10060	437312.8	3763802	9.62E-06	3.28E-05	1.50E-06	5.36E-06	8.05E-07	2.49E-06
10061	437304	3763798	9.64E-06	3.29E-05	1.50E-06	5.37E-06	8.07E-07	2.49E-06
10062	437295.1	3763795	9.66E-06	3.29E-05	1.50E-06	5.38E-06	8.08E-07	2.49E-06
10063	437286.3	3763791	9.67E-06	3.3E-05	1.50E-06	5.38E-06	8.09E-07	2.50E-06
10064	437277.5	3763787	9.68E-06	3.3E-05	1.50E-06	5.39E-06	8.10E-07	2.50E-06
10065	437268.6	3763784	9.69E-06	3.31E-05	1.51E-06	5.40E-06	8.11E-07	2.50E-06
10066	437259.8	3763780	9.7E-06	3.31E-05	1.51E-06	5.41E-06	8.12E-07	2.51E-06
10067	437251	3763776	9.71E-06	3.31E-05	1.51E-06	5.41E-06	8.13E-07	2.51E-06
10068	437242.1	3763773	9.72E-06	3.31E-05	1.51E-06	5.42E-06	8.14E-07	2.51E-06
10069	437233.3	3763769	9.73E-06	3.32E-05	1.51E-06	5.42E-06	8.14E-07	2.51E-06
10070	437224.5	3763765	9.74E-06	3.32E-05	1.51E-06	5.42E-06	8.15E-07	2.52E-06
10071	437215.6	3763762	9.75E-06	3.32E-05	1.51E-06	5.43E-06	8.16E-07	2.52E-06
10072	437206.8	3763758	9.76E-06	3.33E-05	1.52E-06	5.44E-06	8.17E-07	2.52E-06
10073	437198	3763755	9.78E-06	3.33E-05	1.52E-06	5.45E-06	8.18E-07	2.53E-06
10074	437189.1	3763751	9.79E-06	3.34E-05	1.52E-06	5.45E-06	8.20E-07	2.53E-06
10075	437180.3	3763747	9.81E-06	3.34E-05	1.52E-06	5.46E-06	8.21E-07	2.53E-06
10076	437153.8	3763736	9.86E-06	3.36E-05	1.53E-06	5.49E-06	8.26E-07	2.55E-06
10077	437145	3763733	9.89E-06	3.37E-05	1.54E-06	5.51E-06	8.28E-07	2.56E-06
10078	437136.1	3763729	9.92E-06	3.38E-05	1.54E-06	5.53E-06	8.30E-07	2.56E-06
10079	437127.3	3763725	9.94E-06	3.39E-05	1.54E-06	5.54E-06	8.32E-07	2.57E-06
10080	437118.5	3763722	9.96E-06	3.4E-05	1.55E-06	5.55E-06	8.34E-07	2.57E-06
10081	437109.6	3763718	9.98E-06	3.4E-05	1.55E-06	5.56E-06	8.36E-07	2.58E-06
10082	437100.8	3763714	1E-05	3.41E-05	1.56E-06	5.58E-06	8.38E-07	2.59E-06
10083	437092	3763711	1E-05	3.42E-05	1.56E-06	5.59E-06	8.39E-07	2.59E-06
10084	437083.2	3763707	1.01E-05	3.43E-05	1.56E-06	5.60E-06	8.41E-07	2.60E-06

10085	437012.5	3763678	1.05E-05	3.57E-05	1.62E-06	5.82E-06	8.75E-07	2.70E-06
10086	437003.7	3763674	1.05E-05	3.59E-05	1.64E-06	5.86E-06	8.81E-07	2.72E-06
10087	436994.8	3763671	1.06E-05	3.62E-05	1.65E-06	5.91E-06	8.88E-07	2.74E-06
10088	436986	3763667	1.07E-05	3.64E-05	1.66E-06	5.95E-06	8.94E-07	2.76E-06
10089	436977.2	3763663	1.08E-05	3.67E-05	1.67E-06	5.99E-06	9.00E-07	2.78E-06
10090	436968.3	3763660	1.09E-05	3.72E-05	1.70E-06	6.08E-06	9.14E-07	2.82E-06
10091	436959.5	3763656	1.1E-05	3.74E-05	1.71E-06	6.12E-06	9.19E-07	2.84E-06
10092	436950.7	3763653	1.1E-05	3.76E-05	1.71E-06	6.14E-06	9.23E-07	2.85E-06
10093	436941.8	3763649	1.11E-05	3.78E-05	1.72E-06	6.17E-06	9.27E-07	2.86E-06
10094	436933	3763645	1.11E-05	3.8E-05	1.73E-06	6.20E-06	9.32E-07	2.88E-06
10095	436924.2	3763642	1.12E-05	3.81E-05	1.74E-06	6.23E-06	9.36E-07	2.89E-06
10096	436915.3	3763638	1.12E-05	3.83E-05	1.74E-06	6.26E-06	9.40E-07	2.90E-06
10097	436906.5	3763634	1.13E-05	3.84E-05	1.75E-06	6.28E-06	9.44E-07	2.91E-06
10098	436844.7	3763609	1.16E-05	3.94E-05	1.80E-06	6.44E-06	9.68E-07	2.99E-06
10099	436835.8	3763605	1.16E-05	3.96E-05	1.80E-06	6.46E-06	9.71E-07	3.00E-06
10100	436827	3763602	1.16E-05	3.97E-05	1.81E-06	6.48E-06	9.74E-07	3.01E-06
10101	436818.2	3763598	1.17E-05	3.98E-05	1.81E-06	6.50E-06	9.77E-07	3.02E-06
10102	436809.3	3763594	1.17E-05	3.99E-05	1.82E-06	6.52E-06	9.79E-07	3.02E-06
10103	436800.5	3763591	1.17E-05	4E-05	1.82E-06	6.53E-06	9.81E-07	3.03E-06
10104	436791.7	3763587	1.17E-05	4E-05	1.82E-06	6.54E-06	9.83E-07	3.03E-06
10105	436782.8	3763583	1.18E-05	4.01E-05	1.83E-06	6.55E-06	9.84E-07	3.04E-06
10106	436774	3763580	1.18E-05	4.01E-05	1.83E-06	6.56E-06	9.85E-07	3.04E-06
10107	436747.5	3763569	1.19E-05	4.04E-05	1.84E-06	6.60E-06	9.92E-07	3.06E-06
10108	436738.7	3763565	1.19E-05	4.05E-05	1.85E-06	6.62E-06	9.95E-07	3.07E-06
10109	436729.8	3763561	1.19E-05	4.07E-05	1.85E-06	6.64E-06	9.98E-07	3.08E-06
10110	436721	3763558	1.2E-05	4.08E-05	1.86E-06	6.67E-06	1.00E-06	3.09E-06
10111	436712.2	3763554	1.2E-05	4.1E-05	1.87E-06	6.70E-06	1.01E-06	3.11E-06
10112	436703.4	3763551	1.21E-05	4.12E-05	1.88E-06	6.73E-06	1.01E-06	3.12E-06
10113	436694.5	3763547	1.21E-05	4.14E-05	1.88E-06	6.76E-06	1.02E-06	3.13E-06
10114	436682	3763534	1.24E-05	4.21E-05	1.92E-06	6.89E-06	1.03E-06	3.19E-06
10115	436678.4	3763526	1.25E-05	4.28E-05	1.95E-06	6.99E-06	1.05E-06	3.24E-06
10116	436674.7	3763517	1.27E-05	4.33E-05	1.97E-06	7.08E-06	1.06E-06	3.28E-06
10117	436671	3763508	1.29E-05	4.39E-05	2.00E-06	7.17E-06	1.08E-06	3.33E-06
10118	436667.4	3763499	1.3E-05	4.45E-05	2.03E-06	7.27E-06	1.09E-06	3.37E-06
10119	436663.7	3763490	1.32E-05	4.51E-05	2.05E-06	7.36E-06	1.11E-06	3.42E-06
10120	436660.1	3763481	1.34E-05	4.57E-05	2.08E-06	7.46E-06	1.12E-06	3.46E-06
10121	436656.4	3763473	1.36E-05	4.63E-05	2.11E-06	7.56E-06	1.14E-06	3.51E-06
10122	436652.7	3763464	1.37E-05	4.68E-05	2.13E-06	7.65E-06	1.15E-06	3.55E-06
10123	436649.1	3763455	1.39E-05	4.74E-05	2.16E-06	7.75E-06	1.16E-06	3.59E-06
10124	436645.4	3763446	1.41E-05	4.8E-05	2.19E-06	7.84E-06	1.18E-06	3.64E-06
10125	436641.8	3763437	1.43E-05	4.86E-05	2.21E-06	7.94E-06	1.19E-06	3.68E-06
10126	436638.1	3763429	1.44E-05	4.92E-05	2.24E-06	8.04E-06	1.21E-06	3.73E-06
10127	436634.4	3763420	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
10128	436630.8	3763411	1.48E-05	5.05E-05	2.30E-06	8.25E-06	1.24E-06	3.82E-06
10129	436627.1	3763402	1.5E-05	5.11E-05	2.33E-06	8.35E-06	1.25E-06	3.87E-06
10130	436623.5	3763393	1.52E-05	5.18E-05	2.36E-06	8.46E-06	1.27E-06	3.93E-06
10131	436619.8	3763384	1.54E-05	5.25E-05	2.39E-06	8.57E-06	1.29E-06	3.97E-06
10132	436616.1	3763376	1.56E-05	5.31E-05	2.42E-06	8.67E-06	1.30E-06	4.02E-06
10133	436612.5	3763367	1.57E-05	5.36E-05	2.44E-06	8.76E-06	1.32E-06	4.06E-06
10134	436608.8	3763358	1.59E-05	5.42E-05	2.47E-06	8.85E-06	1.33E-06	4.11E-06
10135	436605.1	3763349	1.6E-05	5.47E-05	2.49E-06	8.94E-06	1.34E-06	4.15E-06
10136	436601.5	3763340	1.62E-05	5.52E-05	2.52E-06	9.02E-06	1.36E-06	4.18E-06

10137	436597.8	3763331	1.63E-05	5.57E-05	2.54E-06	9.10E-06	1.37E-06	4.22E-06
10138	436594.2	3763323	1.65E-05	5.62E-05	2.56E-06	9.18E-06	1.38E-06	4.26E-06
10139	436590.5	3763314	1.66E-05	5.67E-05	2.58E-06	9.26E-06	1.39E-06	4.29E-06
10140	436586.8	3763305	1.68E-05	5.72E-05	2.61E-06	9.34E-06	1.40E-06	4.33E-06
10141	436583.2	3763296	1.69E-05	5.77E-05	2.63E-06	9.43E-06	1.42E-06	4.37E-06
10142	436579.5	3763287	1.71E-05	5.82E-05	2.65E-06	9.51E-06	1.43E-06	4.41E-06
10143	436575.9	3763279	1.72E-05	5.87E-05	2.68E-06	9.59E-06	1.44E-06	4.45E-06
10144	436572.2	3763270	1.74E-05	5.92E-05	2.70E-06	9.68E-06	1.45E-06	4.49E-06
10145	436568.5	3763261	1.75E-05	5.98E-05	2.72E-06	9.76E-06	1.47E-06	4.53E-06
10146	436564.9	3763252	1.77E-05	6.03E-05	2.75E-06	9.86E-06	1.48E-06	4.57E-06
10147	436561.2	3763243	1.79E-05	6.09E-05	2.78E-06	9.96E-06	1.50E-06	4.62E-06
10148	436557.6	3763234	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
10149	436553.9	3763226	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
10150	436550.2	3763217	1.83E-05	6.25E-05	2.85E-06	1.02E-05	1.53E-06	4.73E-06
10151	436546.6	3763208	1.84E-05	6.29E-05	2.86E-06	1.03E-05	1.54E-06	4.76E-06
10152	436542.9	3763199	1.85E-05	6.32E-05	2.88E-06	1.03E-05	1.55E-06	4.79E-06
10153	436539.3	3763190	1.86E-05	6.36E-05	2.90E-06	1.04E-05	1.56E-06	4.82E-06
10154	436535.6	3763181	1.87E-05	6.39E-05	2.91E-06	1.04E-05	1.57E-06	4.84E-06
10155	436531.9	3763173	1.88E-05	6.42E-05	2.93E-06	1.05E-05	1.58E-06	4.87E-06
10156	436528.3	3763164	1.89E-05	6.45E-05	2.94E-06	1.05E-05	1.58E-06	4.89E-06
10157	436524.6	3763155	1.9E-05	6.48E-05	2.95E-06	1.06E-05	1.59E-06	4.91E-06
10158	436521	3763146	1.91E-05	6.5E-05	2.96E-06	1.06E-05	1.60E-06	4.93E-06
10159	436517.3	3763137	1.91E-05	6.53E-05	2.97E-06	1.07E-05	1.60E-06	4.95E-06
10160	436513.6	3763128	1.92E-05	6.55E-05	2.98E-06	1.07E-05	1.61E-06	4.96E-06
10161	436510	3763120	1.93E-05	6.57E-05	2.99E-06	1.07E-05	1.61E-06	4.98E-06
10162	436506.3	3763111	1.93E-05	6.58E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
10163	436502.6	3763102	1.94E-05	6.6E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
10164	436499	3763093	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
10165	436495.3	3763084	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
10166	436491.7	3763076	1.94E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
10167	436488	3763067	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
10168	436484.3	3763058	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
10169	436480.7	3763049	1.95E-05	6.65E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
10170	436477	3763040	1.95E-05	6.65E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
10171	436473.4	3763031	1.95E-05	6.65E-05	3.03E-06	1.09E-05	1.63E-06	5.04E-06
10172	436469.7	3763023	1.95E-05	6.64E-05	3.03E-06	1.09E-05	1.63E-06	5.03E-06
10173	436466	3763014	1.95E-05	6.64E-05	3.03E-06	1.08E-05	1.63E-06	5.03E-06
10174	436462.4	3763005	1.95E-05	6.64E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
10175	436458.7	3762996	1.94E-05	6.63E-05	3.02E-06	1.08E-05	1.63E-06	5.03E-06
10176	436455.1	3762987	1.94E-05	6.62E-05	3.02E-06	1.08E-05	1.63E-06	5.02E-06
10177	436451.4	3762978	1.94E-05	6.62E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
10178	436447.7	3762970	1.94E-05	6.61E-05	3.01E-06	1.08E-05	1.62E-06	5.01E-06
10179	436444.1	3762961	1.93E-05	6.6E-05	3.01E-06	1.08E-05	1.62E-06	5.00E-06
10180	436440.4	3762952	1.93E-05	6.59E-05	3.00E-06	1.08E-05	1.62E-06	4.99E-06
10181	436436.8	3762943	1.93E-05	6.58E-05	3.00E-06	1.07E-05	1.61E-06	4.98E-06
10182	436433.1	3762934	1.93E-05	6.56E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
10183	436429.4	3762926	1.92E-05	6.55E-05	2.99E-06	1.07E-05	1.61E-06	4.97E-06
10184	436425.8	3762917	1.92E-05	6.54E-05	2.98E-06	1.07E-05	1.60E-06	4.95E-06
10185	436422.1	3762908	1.91E-05	6.52E-05	2.97E-06	1.07E-05	1.60E-06	4.94E-06
10186	437365.8	3763824	9.53E-06	3.25E-05	1.48E-06	5.31E-06	7.98E-07	2.46E-06
10187	437375.4	3763824	9.57E-06	3.26E-05	1.49E-06	5.33E-06	8.01E-07	2.47E-06
10188	437385.1	3763824	9.62E-06	3.28E-05	1.49E-06	5.36E-06	8.05E-07	2.48E-06

10189	437394.7	3763824	9.66E-06	3.29E-05	1.50E-06	5.38E-06	8.08E-07	2.49E-06
10190	437404.4	3763824	9.69E-06	3.31E-05	1.51E-06	5.40E-06	8.11E-07	2.50E-06
10191	437414	3763824	9.73E-06	3.32E-05	1.51E-06	5.42E-06	8.14E-07	2.51E-06
10192	437423.7	3763824	9.76E-06	3.33E-05	1.52E-06	5.44E-06	8.17E-07	2.52E-06
10193	437433.3	3763824	9.79E-06	3.34E-05	1.52E-06	5.45E-06	8.19E-07	2.53E-06
10194	437443	3763824	9.81E-06	3.35E-05	1.52E-06	5.47E-06	8.21E-07	2.54E-06
10195	437452.6	3763824	9.84E-06	3.35E-05	1.53E-06	5.48E-06	8.23E-07	2.54E-06
10196	437462.3	3763824	9.86E-06	3.36E-05	1.53E-06	5.49E-06	8.26E-07	2.55E-06
10197	437472	3763824	9.89E-06	3.37E-05	1.54E-06	5.51E-06	8.28E-07	2.56E-06
10198	437481.6	3763824	9.91E-06	3.38E-05	1.54E-06	5.52E-06	8.30E-07	2.56E-06
10199	437491.3	3763823	9.95E-06	3.39E-05	1.55E-06	5.54E-06	8.32E-07	2.57E-06
10200	437500.9	3763823	9.99E-06	3.41E-05	1.55E-06	5.57E-06	8.36E-07	2.58E-06
10201	437510.6	3763823	1E-05	3.42E-05	1.56E-06	5.59E-06	8.40E-07	2.59E-06
10202	437520.2	3763823	1.01E-05	3.44E-05	1.57E-06	5.62E-06	8.44E-07	2.61E-06
10203	437529.9	3763823	1.01E-05	3.45E-05	1.57E-06	5.63E-06	8.46E-07	2.61E-06
10204	437539.5	3763823	1.01E-05	3.46E-05	1.58E-06	5.65E-06	8.49E-07	2.62E-06
10205	437549.2	3763823	1.02E-05	3.46E-05	1.58E-06	5.66E-06	8.50E-07	2.63E-06
10206	437357	3763860	9E-06	3.07E-05	1.40E-06	5.01E-06	7.54E-07	2.33E-06
10207	437348.2	3763856	9.02E-06	3.08E-05	1.40E-06	5.02E-06	7.55E-07	2.33E-06
10208	437339.3	3763853	9.03E-06	3.08E-05	1.40E-06	5.03E-06	7.56E-07	2.33E-06
10209	437330.5	3763849	9.05E-06	3.08E-05	1.41E-06	5.04E-06	7.57E-07	2.34E-06
10210	437321.6	3763845	9.06E-06	3.09E-05	1.41E-06	5.05E-06	7.59E-07	2.34E-06
10211	437312.7	3763842	9.07E-06	3.09E-05	1.41E-06	5.05E-06	7.59E-07	2.34E-06
10212	437303.9	3763838	9.08E-06	3.1E-05	1.41E-06	5.06E-06	7.60E-07	2.35E-06
10213	437295	3763835	9.1E-06	3.1E-05	1.41E-06	5.07E-06	7.62E-07	2.35E-06
10214	437286.2	3763831	9.12E-06	3.11E-05	1.42E-06	5.08E-06	7.63E-07	2.36E-06
10215	437277.3	3763827	9.13E-06	3.11E-05	1.42E-06	5.09E-06	7.64E-07	2.36E-06
10216	437268.5	3763824	9.14E-06	3.12E-05	1.42E-06	5.09E-06	7.65E-07	2.36E-06
10217	437259.6	3763820	9.15E-06	3.12E-05	1.42E-06	5.10E-06	7.66E-07	2.36E-06
10218	437250.8	3763816	9.16E-06	3.12E-05	1.42E-06	5.10E-06	7.67E-07	2.37E-06
10219	437241.9	3763813	9.17E-06	3.13E-05	1.42E-06	5.11E-06	7.67E-07	2.37E-06
10220	437233	3763809	9.18E-06	3.13E-05	1.43E-06	5.11E-06	7.68E-07	2.37E-06
10221	437224.2	3763805	9.18E-06	3.13E-05	1.43E-06	5.12E-06	7.69E-07	2.37E-06
10222	437215.3	3763802	9.19E-06	3.13E-05	1.43E-06	5.12E-06	7.69E-07	2.37E-06
10223	437206.5	3763798	9.19E-06	3.14E-05	1.43E-06	5.12E-06	7.70E-07	2.38E-06
10224	437197.6	3763794	9.2E-06	3.14E-05	1.43E-06	5.12E-06	7.70E-07	2.38E-06
10225	437188.8	3763791	9.21E-06	3.14E-05	1.43E-06	5.13E-06	7.71E-07	2.38E-06
10226	437179.9	3763787	9.22E-06	3.14E-05	1.43E-06	5.13E-06	7.71E-07	2.38E-06
10227	437153.3	3763776	9.27E-06	3.16E-05	1.44E-06	5.16E-06	7.76E-07	2.40E-06
10228	437144.5	3763772	9.29E-06	3.17E-05	1.44E-06	5.18E-06	7.78E-07	2.40E-06
10229	437135.6	3763769	9.32E-06	3.18E-05	1.45E-06	5.19E-06	7.80E-07	2.41E-06
10230	437126.8	3763765	9.34E-06	3.19E-05	1.45E-06	5.20E-06	7.82E-07	2.41E-06
10231	437117.9	3763761	9.36E-06	3.19E-05	1.45E-06	5.21E-06	7.83E-07	2.42E-06
10232	437109.1	3763758	9.38E-06	3.2E-05	1.46E-06	5.22E-06	7.85E-07	2.42E-06
10233	437100.2	3763754	9.4E-06	3.2E-05	1.46E-06	5.23E-06	7.87E-07	2.43E-06
10234	437091.4	3763751	9.4E-06	3.21E-05	1.46E-06	5.24E-06	7.87E-07	2.43E-06
10235	437082.5	3763747	9.41E-06	3.21E-05	1.46E-06	5.24E-06	7.88E-07	2.43E-06
10236	437073.6	3763743	9.42E-06	3.21E-05	1.46E-06	5.25E-06	7.89E-07	2.44E-06
10237	437064.8	3763740	9.45E-06	3.22E-05	1.47E-06	5.26E-06	7.91E-07	2.44E-06
10238	437055.9	3763736	9.47E-06	3.23E-05	1.47E-06	5.28E-06	7.93E-07	2.45E-06
10239	437047.1	3763732	9.51E-06	3.24E-05	1.48E-06	5.30E-06	7.96E-07	2.46E-06
10240	437038.2	3763729	9.55E-06	3.25E-05	1.48E-06	5.32E-06	7.99E-07	2.47E-06

10241	437029.4	3763725	9.59E-06	3.27E-05	1.49E-06	5.34E-06	8.03E-07	2.48E-06
10242	437020.5	3763721	9.64E-06	3.29E-05	1.50E-06	5.37E-06	8.07E-07	2.49E-06
10243	437011.7	3763718	9.7E-06	3.31E-05	1.51E-06	5.41E-06	8.12E-07	2.51E-06
10244	437002.8	3763714	9.76E-06	3.33E-05	1.52E-06	5.44E-06	8.17E-07	2.52E-06
10245	436993.9	3763710	9.82E-06	3.35E-05	1.53E-06	5.47E-06	8.22E-07	2.54E-06
10246	436985.1	3763707	9.89E-06	3.37E-05	1.54E-06	5.51E-06	8.27E-07	2.55E-06
10247	436923.1	3763681	1.03E-05	3.52E-05	1.60E-06	5.74E-06	8.63E-07	2.66E-06
10248	436914.2	3763677	1.04E-05	3.53E-05	1.61E-06	5.77E-06	8.66E-07	2.67E-06
10249	436905.4	3763674	1.04E-05	3.55E-05	1.62E-06	5.79E-06	8.71E-07	2.69E-06
10250	436896.5	3763670	1.05E-05	3.57E-05	1.62E-06	5.82E-06	8.75E-07	2.70E-06
10251	436887.7	3763667	1.05E-05	3.58E-05	1.63E-06	5.86E-06	8.80E-07	2.72E-06
10252	436878.8	3763663	1.06E-05	3.6E-05	1.64E-06	5.89E-06	8.84E-07	2.73E-06
10253	436870	3763659	1.06E-05	3.62E-05	1.65E-06	5.91E-06	8.89E-07	2.74E-06
10254	436861.1	3763656	1.07E-05	3.64E-05	1.66E-06	5.94E-06	8.93E-07	2.76E-06
10255	436852.3	3763652	1.07E-05	3.65E-05	1.66E-06	5.97E-06	8.97E-07	2.77E-06
10256	436843.4	3763648	1.08E-05	3.67E-05	1.67E-06	6.00E-06	9.01E-07	2.78E-06
10257	436834.5	3763645	1.08E-05	3.69E-05	1.68E-06	6.02E-06	9.05E-07	2.79E-06
10258	436825.7	3763641	1.09E-05	3.7E-05	1.69E-06	6.04E-06	9.08E-07	2.80E-06
10259	436816.8	3763637	1.09E-05	3.71E-05	1.69E-06	6.06E-06	9.11E-07	2.81E-06
10260	436746	3763608	1.11E-05	3.79E-05	1.73E-06	6.19E-06	9.30E-07	2.87E-06
10261	436737.1	3763604	1.11E-05	3.8E-05	1.73E-06	6.20E-06	9.32E-07	2.88E-06
10262	436728.3	3763601	1.12E-05	3.81E-05	1.74E-06	6.22E-06	9.35E-07	2.89E-06
10263	436719.4	3763597	1.12E-05	3.82E-05	1.74E-06	6.24E-06	9.38E-07	2.90E-06
10264	436710.6	3763593	1.12E-05	3.83E-05	1.75E-06	6.26E-06	9.41E-07	2.90E-06
10265	436701.7	3763590	1.13E-05	3.84E-05	1.75E-06	6.28E-06	9.44E-07	2.91E-06
10266	436692.9	3763586	1.13E-05	3.86E-05	1.76E-06	6.30E-06	9.46E-07	2.92E-06
10267	436684	3763583	1.14E-05	3.87E-05	1.76E-06	6.32E-06	9.50E-07	2.93E-06
10268	436675.1	3763579	1.14E-05	3.89E-05	1.77E-06	6.35E-06	9.54E-07	2.94E-06
10269	436666.3	3763575	1.14E-05	3.9E-05	1.78E-06	6.37E-06	9.57E-07	2.95E-06
10270	436653.8	3763563	1.16E-05	3.96E-05	1.81E-06	6.47E-06	9.73E-07	3.00E-06
10271	436650.1	3763554	1.18E-05	4.01E-05	1.83E-06	6.56E-06	9.85E-07	3.04E-06
10272	436646.4	3763545	1.19E-05	4.06E-05	1.85E-06	6.64E-06	9.98E-07	3.08E-06
10273	436642.7	3763536	1.21E-05	4.12E-05	1.88E-06	6.72E-06	1.01E-06	3.12E-06
10274	436639.1	3763527	1.22E-05	4.17E-05	1.90E-06	6.81E-06	1.02E-06	3.16E-06
10275	436635.4	3763518	1.24E-05	4.22E-05	1.92E-06	6.89E-06	1.04E-06	3.20E-06
10276	436631.7	3763510	1.25E-05	4.27E-05	1.95E-06	6.98E-06	1.05E-06	3.24E-06
10277	436628.1	3763501	1.27E-05	4.33E-05	1.97E-06	7.07E-06	1.06E-06	3.28E-06
10278	436624.4	3763492	1.29E-05	4.39E-05	2.00E-06	7.17E-06	1.08E-06	3.32E-06
10279	436620.7	3763483	1.3E-05	4.44E-05	2.02E-06	7.25E-06	1.09E-06	3.37E-06
10280	436617.1	3763474	1.32E-05	4.5E-05	2.05E-06	7.34E-06	1.10E-06	3.41E-06
10281	436613.4	3763465	1.33E-05	4.55E-05	2.07E-06	7.43E-06	1.12E-06	3.45E-06
10282	436609.7	3763457	1.35E-05	4.61E-05	2.10E-06	7.52E-06	1.13E-06	3.49E-06
10283	436606	3763448	1.37E-05	4.66E-05	2.12E-06	7.61E-06	1.14E-06	3.53E-06
10284	436602.4	3763439	1.38E-05	4.71E-05	2.15E-06	7.70E-06	1.16E-06	3.57E-06
10285	436598.7	3763430	1.4E-05	4.77E-05	2.17E-06	7.79E-06	1.17E-06	3.61E-06
10286	436595	3763421	1.41E-05	4.82E-05	2.20E-06	7.88E-06	1.18E-06	3.66E-06
10287	436591.4	3763412	1.43E-05	4.88E-05	2.22E-06	7.97E-06	1.20E-06	3.70E-06
10288	436587.7	3763403	1.45E-05	4.93E-05	2.25E-06	8.06E-06	1.21E-06	3.74E-06
10289	436584	3763395	1.46E-05	4.98E-05	2.27E-06	8.14E-06	1.22E-06	3.78E-06
10290	436580.4	3763386	1.48E-05	5.03E-05	2.29E-06	8.22E-06	1.24E-06	3.81E-06
10291	436576.7	3763377	1.49E-05	5.08E-05	2.32E-06	8.30E-06	1.25E-06	3.85E-06
10292	436573	3763368	1.5E-05	5.13E-05	2.34E-06	8.38E-06	1.26E-06	3.89E-06

10293	436569.3	3763359	1.52E-05	5.17E-05	2.36E-06	8.45E-06	1.27E-06	3.92E-06
10294	436565.7	3763350	1.53E-05	5.22E-05	2.38E-06	8.52E-06	1.28E-06	3.95E-06
10295	436562	3763342	1.54E-05	5.26E-05	2.40E-06	8.60E-06	1.29E-06	3.99E-06
10296	436558.3	3763333	1.56E-05	5.31E-05	2.42E-06	8.68E-06	1.30E-06	4.03E-06
10297	436554.7	3763324	1.57E-05	5.37E-05	2.45E-06	8.77E-06	1.32E-06	4.07E-06
10298	436551	3763315	1.59E-05	5.42E-05	2.47E-06	8.85E-06	1.33E-06	4.10E-06
10299	436547.3	3763306	1.6E-05	5.47E-05	2.49E-06	8.93E-06	1.34E-06	4.14E-06
10300	436543.7	3763297	1.62E-05	5.52E-05	2.51E-06	9.01E-06	1.35E-06	4.18E-06
10301	436540	3763288	1.63E-05	5.57E-05	2.54E-06	9.10E-06	1.37E-06	4.22E-06
10302	436536.3	3763280	1.65E-05	5.62E-05	2.56E-06	9.18E-06	1.38E-06	4.26E-06
10303	436532.6	3763271	1.66E-05	5.67E-05	2.59E-06	9.27E-06	1.39E-06	4.30E-06
10304	436529	3763262	1.68E-05	5.72E-05	2.61E-06	9.35E-06	1.41E-06	4.34E-06
10305	436525.3	3763253	1.69E-05	5.77E-05	2.63E-06	9.42E-06	1.42E-06	4.37E-06
10306	436521.6	3763244	1.7E-05	5.81E-05	2.65E-06	9.49E-06	1.43E-06	4.40E-06
10307	436518	3763235	1.71E-05	5.84E-05	2.66E-06	9.55E-06	1.43E-06	4.43E-06
10308	436514.3	3763227	1.72E-05	5.88E-05	2.68E-06	9.60E-06	1.44E-06	4.45E-06
10309	436510.6	3763218	1.73E-05	5.91E-05	2.69E-06	9.66E-06	1.45E-06	4.48E-06
10310	436506.9	3763209	1.74E-05	5.94E-05	2.71E-06	9.71E-06	1.46E-06	4.50E-06
10311	436503.3	3763200	1.75E-05	5.97E-05	2.72E-06	9.76E-06	1.47E-06	4.53E-06
10312	436499.6	3763191	1.76E-05	6E-05	2.74E-06	9.81E-06	1.47E-06	4.55E-06
10313	436495.9	3763182	1.77E-05	6.03E-05	2.75E-06	9.85E-06	1.48E-06	4.57E-06
10314	436492.3	3763173	1.78E-05	6.06E-05	2.76E-06	9.89E-06	1.49E-06	4.59E-06
10315	436488.6	3763165	1.78E-05	6.08E-05	2.77E-06	9.93E-06	1.49E-06	4.61E-06
10316	436484.9	3763156	1.79E-05	6.1E-05	2.78E-06	9.97E-06	1.50E-06	4.62E-06
10317	436481.3	3763147	1.79E-05	6.12E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
10318	436477.6	3763138	1.8E-05	6.14E-05	2.80E-06	1.00E-05	1.51E-06	4.65E-06
10319	436473.9	3763129	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
10320	436470.2	3763120	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
10321	436466.6	3763111	1.81E-05	6.18E-05	2.82E-06	1.01E-05	1.52E-06	4.68E-06
10322	436462.9	3763103	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
10323	436459.2	3763094	1.82E-05	6.2E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
10324	436455.6	3763085	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
10325	436451.9	3763076	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.71E-06
10326	436448.2	3763067	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10327	436444.6	3763058	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10328	436440.9	3763050	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10329	436437.2	3763041	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10330	436433.5	3763032	1.82E-05	6.22E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10331	436429.9	3763023	1.82E-05	6.21E-05	2.83E-06	1.02E-05	1.53E-06	4.71E-06
10332	436426.2	3763014	1.82E-05	6.21E-05	2.83E-06	1.01E-05	1.52E-06	4.71E-06
10333	436422.5	3763005	1.82E-05	6.2E-05	2.83E-06	1.01E-05	1.52E-06	4.70E-06
10334	436418.9	3762996	1.82E-05	6.2E-05	2.82E-06	1.01E-05	1.52E-06	4.70E-06
10335	436415.2	3762988	1.82E-05	6.19E-05	2.82E-06	1.01E-05	1.52E-06	4.69E-06
10336	436411.5	3762979	1.81E-05	6.18E-05	2.82E-06	1.01E-05	1.52E-06	4.68E-06
10337	436407.8	3762970	1.81E-05	6.18E-05	2.81E-06	1.01E-05	1.52E-06	4.68E-06
10338	436404.2	3762961	1.81E-05	6.17E-05	2.81E-06	1.01E-05	1.51E-06	4.67E-06
10339	436400.5	3762952	1.8E-05	6.15E-05	2.80E-06	1.01E-05	1.51E-06	4.66E-06
10340	436396.8	3762943	1.8E-05	6.14E-05	2.80E-06	1.00E-05	1.51E-06	4.66E-06
10341	436393.2	3762935	1.8E-05	6.13E-05	2.79E-06	1.00E-05	1.51E-06	4.65E-06
10342	436389.5	3762926	1.8E-05	6.12E-05	2.79E-06	1.00E-05	1.50E-06	4.64E-06
10343	436385.8	3762917	1.79E-05	6.11E-05	2.78E-06	9.98E-06	1.50E-06	4.63E-06
10344	436382.2	3762908	1.79E-05	6.09E-05	2.78E-06	9.95E-06	1.50E-06	4.62E-06

10345	437365.9	3763864	8.99E-06	3.07E-05	1.40E-06	5.01E-06	7.53E-07	2.32E-06
10346	437375.5	3763864	9.02E-06	3.08E-05	1.40E-06	5.03E-06	7.55E-07	2.33E-06
10347	437385.2	3763864	9.06E-06	3.09E-05	1.41E-06	5.05E-06	7.59E-07	2.34E-06
10348	437394.8	3763864	9.1E-06	3.1E-05	1.41E-06	5.07E-06	7.61E-07	2.35E-06
10349	437404.5	3763864	9.13E-06	3.11E-05	1.42E-06	5.09E-06	7.64E-07	2.36E-06
10350	437414.1	3763864	9.15E-06	3.12E-05	1.42E-06	5.10E-06	7.66E-07	2.36E-06
10351	437423.8	3763864	9.17E-06	3.13E-05	1.43E-06	5.11E-06	7.68E-07	2.37E-06
10352	437433.4	3763864	9.19E-06	3.14E-05	1.43E-06	5.12E-06	7.70E-07	2.38E-06
10353	437443.1	3763864	9.22E-06	3.14E-05	1.43E-06	5.13E-06	7.71E-07	2.38E-06
10354	437452.7	3763864	9.24E-06	3.15E-05	1.44E-06	5.15E-06	7.73E-07	2.39E-06
10355	437462.4	3763864	9.26E-06	3.16E-05	1.44E-06	5.16E-06	7.75E-07	2.39E-06
10356	437472	3763864	9.29E-06	3.17E-05	1.44E-06	5.17E-06	7.77E-07	2.40E-06
10357	437481.7	3763864	9.31E-06	3.17E-05	1.45E-06	5.19E-06	7.79E-07	2.41E-06
10358	437491.3	3763863	9.34E-06	3.19E-05	1.45E-06	5.20E-06	7.82E-07	2.41E-06
10359	437501	3763863	9.37E-06	3.2E-05	1.46E-06	5.22E-06	7.84E-07	2.42E-06
10360	437510.6	3763863	9.4E-06	3.2E-05	1.46E-06	5.23E-06	7.87E-07	2.43E-06
10361	437520.3	3763863	9.42E-06	3.21E-05	1.46E-06	5.25E-06	7.89E-07	2.44E-06
10362	437529.9	3763863	9.45E-06	3.22E-05	1.47E-06	5.27E-06	7.91E-07	2.44E-06
10363	437539.6	3763863	9.49E-06	3.23E-05	1.47E-06	5.28E-06	7.94E-07	2.45E-06
10364	437549.2	3763863	9.52E-06	3.25E-05	1.48E-06	5.30E-06	7.97E-07	2.46E-06
10365	437577.6	3763372	3.38E-05	0.000115	5.25E-06	1.88E-05	2.83E-06	8.73E-06
10366	437579.6	3763402	2.98E-05	0.000102	4.63E-06	1.66E-05	2.49E-06	7.70E-06
10367	437581.5	3763432	2.67E-05	9.09E-05	4.14E-06	1.49E-05	2.23E-06	6.89E-06
10368	437583.5	3763462	2.41E-05	8.21E-05	3.74E-06	1.34E-05	2.01E-06	6.22E-06
10369	437586.1	3763502	2.13E-05	7.27E-05	3.31E-06	1.19E-05	1.78E-06	5.51E-06
10370	437591.2	3763582	1.73E-05	0.000059	2.69E-06	9.64E-06	1.45E-06	4.47E-06
10371	437582.1	3763582	1.72E-05	5.85E-05	2.67E-06	9.56E-06	1.44E-06	4.43E-06
10372	437593.9	3763622	1.57E-05	5.35E-05	2.44E-06	8.74E-06	1.31E-06	4.06E-06
10373	437584.9	3763622	1.56E-05	5.32E-05	2.43E-06	8.69E-06	1.31E-06	4.03E-06
10374	437596.5	3763662	1.42E-05	4.83E-05	2.20E-06	7.90E-06	1.19E-06	3.66E-06
10375	437584.6	3763662	1.41E-05	4.8E-05	2.19E-06	7.84E-06	1.18E-06	3.64E-06
10376	437599.2	3763702	1.3E-05	4.42E-05	2.02E-06	7.23E-06	1.09E-06	3.35E-06
10377	437587.3	3763702	1.29E-05	4.4E-05	2.00E-06	7.18E-06	1.08E-06	3.33E-06
10378	437575.5	3763702	1.28E-05	4.38E-05	1.99E-06	7.15E-06	1.07E-06	3.32E-06
10379	437563.7	3763703	1.28E-05	4.36E-05	1.99E-06	7.13E-06	1.07E-06	3.31E-06
10380	437601.8	3763742	1.21E-05	4.11E-05	1.87E-06	6.71E-06	1.01E-06	3.11E-06
10381	437590.1	3763742	1.2E-05	4.09E-05	1.86E-06	6.67E-06	1.00E-06	3.10E-06
10382	437578.3	3763742	1.19E-05	4.06E-05	1.85E-06	6.64E-06	9.97E-07	3.08E-06
10383	437566.6	3763743	1.19E-05	4.05E-05	1.84E-06	6.61E-06	9.94E-07	3.07E-06
10384	437604.4	3763781	1.12E-05	3.82E-05	1.74E-06	6.25E-06	9.39E-07	2.90E-06
10385	437592.8	3763782	1.11E-05	3.8E-05	1.73E-06	6.20E-06	9.32E-07	2.88E-06
10386	437581.1	3763782	1.11E-05	3.77E-05	1.72E-06	6.16E-06	9.26E-07	2.86E-06
10387	437569.5	3763783	1.1E-05	3.76E-05	1.71E-06	6.14E-06	9.22E-07	2.85E-06
10388	437606.9	3763821	1.05E-05	3.58E-05	1.63E-06	5.84E-06	8.78E-07	2.71E-06
10389	437597.8	3763822	1.04E-05	3.56E-05	1.62E-06	5.81E-06	8.73E-07	2.69E-06
10390	437588.7	3763822	1.04E-05	3.53E-05	1.61E-06	5.77E-06	8.67E-07	2.68E-06
10391	437579.6	3763822	1.03E-05	3.52E-05	1.60E-06	5.74E-06	8.63E-07	2.66E-06
10392	437570.4	3763823	1.03E-05	3.5E-05	1.59E-06	5.71E-06	8.59E-07	2.65E-06
10393	437561.3	3763823	1.02E-05	3.48E-05	1.59E-06	5.69E-06	8.55E-07	2.64E-06
10394	437609.6	3763861	9.83E-06	3.35E-05	1.53E-06	5.48E-06	8.23E-07	2.54E-06
10395	437600.5	3763862	9.78E-06	3.33E-05	1.52E-06	5.45E-06	8.18E-07	2.53E-06
10396	437591.5	3763862	9.72E-06	3.31E-05	1.51E-06	5.41E-06	8.13E-07	2.51E-06

10397	437582.4	3763862	9.67E-06	3.3E-05	1.50E-06	5.38E-06	8.09E-07	2.50E-06
10398	437573.4	3763863	9.62E-06	3.28E-05	1.49E-06	5.36E-06	8.05E-07	2.48E-06
10399	437564.3	3763863	9.58E-06	3.27E-05	1.49E-06	5.34E-06	8.02E-07	2.47E-06
10400	438571.8	3763104	9.17E-05	0.000313	1.42E-05	5.11E-05	7.67E-06	2.37E-05
10401	439040.9	3762827	3.82E-05	0.00013	5.94E-06	2.13E-05	3.20E-06	9.88E-06
10402	439034.6	3762789	3.72E-05	0.000127	5.78E-06	2.07E-05	3.11E-06	9.61E-06
10403	439031.1	3762754	3.61E-05	0.000123	5.61E-06	2.01E-05	3.02E-06	9.33E-06
10404	439067.5	3762824	3.69E-05	0.000126	5.73E-06	2.06E-05	3.09E-06	9.53E-06
10405	439087.9	3762821	3.59E-05	0.000123	5.58E-06	2.00E-05	3.01E-06	9.29E-06
10406	439128.5	3762787	3.33E-05	0.000113	5.17E-06	1.85E-05	2.78E-06	8.59E-06
10407	439099.1	3762753	3.33E-05	0.000114	5.18E-06	1.86E-05	2.79E-06	8.61E-06
10408	439061.2	3762757	3.49E-05	0.000119	5.43E-06	1.95E-05	2.92E-06	9.03E-06
10409	438582.1	3763253	8.31E-05	0.000283	1.29E-05	4.63E-05	6.96E-06	2.15E-05
10410	438605.2	3763254	8.04E-05	0.000274	1.25E-05	4.48E-05	6.73E-06	2.08E-05
10411	438634	3763256	7.72E-05	0.000263	1.20E-05	4.30E-05	6.46E-06	1.99E-05
10412	438655	3763256	7.51E-05	0.000256	1.17E-05	4.18E-05	6.28E-06	1.94E-05
10413	438669	3763250	7.37E-05	0.000251	1.14E-05	4.10E-05	6.17E-06	1.90E-05
10414	438687.9	3763261	7.13E-05	0.000243	1.11E-05	3.97E-05	5.96E-06	1.84E-05
10415	438687.9	3763249	7.18E-05	0.000245	1.12E-05	4.00E-05	6.01E-06	1.86E-05
10416	438688.6	3763216	7.32E-05	0.00025	1.14E-05	4.08E-05	6.12E-06	1.89E-05
10417	438716.7	3763217	7.02E-05	0.000239	1.09E-05	3.91E-05	5.87E-06	1.81E-05
10418	438721.6	3763197	7.01E-05	0.000239	1.09E-05	3.91E-05	5.87E-06	1.81E-05
10419	438722.3	3763173	7.05E-05	0.00024	1.10E-05	3.93E-05	5.90E-06	1.82E-05
10420	438725.1	3763151	7.05E-05	0.00024	1.09E-05	3.92E-05	5.90E-06	1.82E-05
10421	438711.1	3763121	7.21E-05	0.000246	1.12E-05	4.02E-05	6.04E-06	1.86E-05
10422	438683	3763115	7.55E-05	0.000257	1.17E-05	4.20E-05	6.32E-06	1.95E-05
10423	438697.8	3763097	7.36E-05	0.000251	1.14E-05	4.10E-05	6.16E-06	1.90E-05
10424	438640.3	3763092	8.11E-05	0.000277	1.26E-05	4.52E-05	6.79E-06	2.10E-05

	Max Yr	**2**	T2	T2L3	T4f
	Row	**19**	1.56E-03	2.55E-04	1.18E-04
		Col	**3**	**4**	**5**
		Adjustment	**100%**	**16%**	**8%**
	UTM X	UTM Y	Year 2	Year 2	Year 2
1	437577	3762904	5.61E-02	9.17E-03	4.25E-03
2	437583.4	3762912	4.74E-02	7.75E-03	3.59E-03
3	437619.9	3762959	2.13E-02	3.48E-03	1.61E-03
4	437608.3	3762964	1.94E-02	3.17E-03	1.47E-03
5	437596.7	3762968	1.75E-02	2.86E-03	1.33E-03
6	437585.1	3762973	1.56E-02	2.55E-03	1.18E-03
7	437632	3762975	1.71E-02	2.80E-03	1.30E-03
8	437619.9	3762980	1.56E-02	2.54E-03	1.18E-03
9	437607.8	3762984	1.40E-02	2.29E-03	1.06E-03
10	437595.7	3762989	1.25E-02	2.04E-03	9.45E-04
11	437583.6	3762994	1.11E-02	1.81E-03	8.39E-04
12	437644.3	3762991	1.40E-02	2.29E-03	1.06E-03
13	437632.4	3762996	1.28E-02	2.10E-03	9.73E-04
14	437620.4	3763000	1.16E-02	1.90E-03	8.81E-04
15	437608.5	3763005	1.05E-02	1.71E-03	7.92E-04
16	437596.5	3763009	9.35E-03	1.53E-03	7.08E-04
17	437584.6	3763014	8.32E-03	1.36E-03	6.31E-04
18	437656.6	3763007	1.17E-02	1.92E-03	8.89E-04
19	437644.8	3763011	1.08E-02	1.76E-03	8.18E-04
20	437633	3763016	9.83E-03	1.61E-03	7.45E-04
21	437621.1	3763020	8.88E-03	1.45E-03	6.73E-04
22	437609.3	3763025	7.99E-03	1.31E-03	6.06E-04
23	437597.5	3763029	7.18E-03	1.17E-03	5.44E-04
24	437585.7	3763034	6.45E-03	1.05E-03	4.89E-04
25	437620.1	3763041	6.76E-03	1.11E-03	5.13E-04
26	437607.9	3763046	6.10E-03	9.97E-04	4.62E-04
27	437595.8	3763050	5.51E-03	9.00E-04	4.18E-04
28	437583.6	3763055	4.98E-03	8.13E-04	3.77E-04
29	437644.9	3763052	6.43E-03	1.05E-03	4.87E-04
30	437632.9	3763057	5.85E-03	9.55E-04	4.43E-04
31	437620.8	3763061	5.32E-03	8.69E-04	4.03E-04
32	437608.8	3763066	4.84E-03	7.91E-04	3.67E-04
33	437596.7	3763070	4.40E-03	7.18E-04	3.33E-04
34	437584.7	3763075	4.00E-03	6.53E-04	3.03E-04
35	437693.4	3763054	7.08E-03	1.16E-03	5.36E-04
36	437681.4	3763059	6.57E-03	1.07E-03	4.98E-04
37	437669.5	3763063	6.07E-03	9.92E-04	4.60E-04
38	437657.5	3763068	5.56E-03	9.09E-04	4.21E-04
39	437645.6	3763072	5.08E-03	8.30E-04	3.85E-04
40	437633.6	3763077	4.64E-03	7.58E-04	3.52E-04
41	437621.7	3763081	4.25E-03	6.95E-04	3.22E-04
42	437609.7	3763086	3.90E-03	6.36E-04	2.95E-04
43	437597.8	3763091	3.55E-03	5.80E-04	2.69E-04
44	437585.8	3763095	3.25E-03	5.31E-04	2.46E-04
45	437705.6	3763070	6.11E-03	9.98E-04	4.63E-04
46	437693.4	3763075	5.66E-03	9.24E-04	4.29E-04

47	437681.2	3763079	5.23E-03	8.54E-04	3.96E-04
48	437668.9	3763084	4.82E-03	7.88E-04	3.65E-04
49	437656.7	3763089	4.42E-03	7.22E-04	3.35E-04
50	437644.5	3763093	4.04E-03	6.60E-04	3.06E-04
51	437632.3	3763098	3.70E-03	6.05E-04	2.80E-04
52	437620.1	3763103	3.39E-03	5.54E-04	2.57E-04
53	437607.9	3763107	3.10E-03	5.07E-04	2.35E-04
54	437595.7	3763112	2.84E-03	4.65E-04	2.16E-04
55	437705.8	3763090	4.97E-03	8.12E-04	3.77E-04
56	437693.6	3763095	4.61E-03	7.53E-04	3.49E-04
57	437681.5	3763100	4.26E-03	6.97E-04	3.23E-04
58	437669.4	3763104	3.93E-03	6.42E-04	2.98E-04
59	437657.3	3763109	3.61E-03	5.90E-04	2.74E-04
60	437645.2	3763113	3.31E-03	5.41E-04	2.51E-04
61	437633.1	3763118	3.03E-03	4.96E-04	2.30E-04
62	437706.1	3763111	4.11E-03	6.71E-04	3.11E-04
63	437694.1	3763115	3.81E-03	6.22E-04	2.88E-04
64	437682.1	3763120	3.51E-03	5.74E-04	2.66E-04
65	437670	3763124	3.24E-03	5.30E-04	2.46E-04
66	437621.9	3763143	2.32E-03	3.78E-04	1.76E-04
67	437609.9	3763147	2.14E-03	3.50E-04	1.62E-04
68	437597.9	3763152	2.00E-03	3.27E-04	1.52E-04
69	437585.9	3763156	1.88E-03	3.07E-04	1.42E-04
70	437748.5	3763125	3.94E-03	6.44E-04	2.99E-04
71	437628	3763171	1.88E-03	3.08E-04	1.43E-04
72	437616	3763176	1.75E-03	2.87E-04	1.33E-04
73	437603.9	3763180	1.65E-03	2.69E-04	1.25E-04
74	437591.9	3763185	1.55E-03	2.54E-04	1.18E-04
75	437579.8	3763189	1.47E-03	2.39E-04	1.11E-04
76	437766.9	3763149	3.34E-03	5.46E-04	2.53E-04
77	437754.9	3763154	3.13E-03	5.11E-04	2.37E-04
78	437742.8	3763158	2.93E-03	4.79E-04	2.22E-04
79	437730.7	3763163	2.74E-03	4.48E-04	2.08E-04
80	437718.6	3763167	2.56E-03	4.18E-04	1.94E-04
81	437706.6	3763172	2.39E-03	3.91E-04	1.81E-04
82	437694.5	3763177	2.22E-03	3.63E-04	1.68E-04
83	437682.4	3763181	2.06E-03	3.36E-04	1.56E-04
84	437670.3	3763186	1.91E-03	3.13E-04	1.45E-04
85	437658.3	3763190	1.78E-03	2.91E-04	1.35E-04
86	437622.1	3763204	1.46E-03	2.39E-04	1.11E-04
87	437610	3763209	1.38E-03	2.26E-04	1.05E-04
88	437597.9	3763213	1.31E-03	2.14E-04	9.91E-05
89	437585.8	3763218	1.24E-03	2.02E-04	9.39E-05
90	437785.3	3763173	2.88E-03	4.70E-04	2.18E-04
91	437773.2	3763177	2.70E-03	4.41E-04	2.05E-04
92	437761.1	3763182	2.52E-03	4.12E-04	1.91E-04
93	437749	3763187	2.36E-03	3.86E-04	1.79E-04
94	437736.9	3763191	2.21E-03	3.60E-04	1.67E-04
95	437724.9	3763196	2.06E-03	3.37E-04	1.56E-04
96	437712.8	3763200	1.93E-03	3.15E-04	1.46E-04
97	437700.7	3763205	1.80E-03	2.95E-04	1.37E-04
98	437688.6	3763209	1.69E-03	2.76E-04	1.28E-04

99	437676.5	3763214	1.58E-03	2.58E-04	1.20E-04
100	437664.4	3763219	1.48E-03	2.42E-04	1.12E-04
101	437628.1	3763232	1.24E-03	2.03E-04	9.41E-05
102	437616	3763237	1.18E-03	1.92E-04	8.91E-05
103	437603.9	3763242	1.12E-03	1.82E-04	8.46E-05
104	437591.9	3763246	1.06E-03	1.73E-04	8.05E-05
105	437579.8	3763251	1.01E-03	1.65E-04	7.67E-05
106	437791.6	3763201	2.37E-03	3.87E-04	1.79E-04
107	437779.5	3763206	2.22E-03	3.62E-04	1.68E-04
108	437767.4	3763210	2.07E-03	3.38E-04	1.57E-04
109	437755.3	3763215	1.93E-03	3.16E-04	1.46E-04
110	437743.2	3763219	1.78E-03	2.90E-04	1.35E-04
111	437670.5	3763247	1.25E-03	2.05E-04	9.49E-05
112	437658.4	3763252	1.18E-03	1.93E-04	8.97E-05
113	437646.3	3763256	1.12E-03	1.83E-04	8.49E-05
114	437634.2	3763261	1.06E-03	1.74E-04	8.05E-05
115	437622.1	3763265	1.01E-03	1.65E-04	7.65E-05
116	437610	3763270	9.61E-04	1.57E-04	7.28E-05
117	437597.9	3763275	9.17E-04	1.50E-04	6.95E-05
118	437585.8	3763279	8.77E-04	1.43E-04	6.64E-05
119	437749.4	3763248	1.48E-03	2.41E-04	1.12E-04
120	437737.2	3763252	1.38E-03	2.26E-04	1.05E-04
121	437725.1	3763257	1.30E-03	2.13E-04	9.87E-05
122	437713	3763262	1.23E-03	2.01E-04	9.35E-05
123	437700.9	3763266	1.19E-03	1.94E-04	9.01E-05
124	437688.8	3763271	1.13E-03	1.84E-04	8.55E-05
125	437676.6	3763275	1.07E-03	1.75E-04	8.11E-05
126	437664.5	3763280	1.02E-03	1.66E-04	7.70E-05
127	437652.4	3763285	9.63E-04	1.57E-04	7.30E-05
128	437640.3	3763289	9.14E-04	1.49E-04	6.93E-05
129	437628.1	3763294	8.72E-04	1.43E-04	6.61E-05
130	437616	3763298	8.34E-04	1.36E-04	6.32E-05
131	437603.9	3763303	7.93E-04	1.29E-04	6.01E-05
132	437591.8	3763308	7.67E-04	1.25E-04	5.82E-05
133	437840.5	3763244	1.94E-03	3.17E-04	1.47E-04
134	437828.3	3763248	1.84E-03	3.00E-04	1.39E-04
135	437816.2	3763253	1.73E-03	2.83E-04	1.31E-04
136	437804.1	3763258	1.63E-03	2.66E-04	1.23E-04
137	437791.9	3763262	1.53E-03	2.50E-04	1.16E-04
138	437779.8	3763267	1.41E-03	2.31E-04	1.07E-04
139	437767.7	3763272	1.32E-03	2.16E-04	1.00E-04
140	437755.5	3763276	1.24E-03	2.03E-04	9.43E-05
141	437743.4	3763281	1.18E-03	1.92E-04	8.92E-05
142	437731.3	3763285	1.14E-03	1.86E-04	8.62E-05
143	437719.1	3763290	1.08E-03	1.76E-04	8.18E-05
144	437707	3763295	1.03E-03	1.68E-04	7.79E-05
145	437694.9	3763299	9.78E-04	1.60E-04	7.41E-05
146	437682.7	3763304	9.29E-04	1.52E-04	7.04E-05
147	437670.6	3763308	8.84E-04	1.44E-04	6.70E-05
148	437658.5	3763313	8.41E-04	1.37E-04	6.37E-05
149	437646.3	3763318	8.02E-04	1.31E-04	6.08E-05
150	437585.7	3763341	6.61E-04	1.08E-04	5.01E-05

151	437858.9	3763268	1.72E-03	2.80E-04	1.30E-04
152	437846.7	3763272	1.63E-03	2.66E-04	1.23E-04
153	437834.6	3763277	1.54E-03	2.52E-04	1.17E-04
154	437822.4	3763281	1.46E-03	2.38E-04	1.10E-04
155	437810.3	3763286	1.37E-03	2.24E-04	1.04E-04
156	437798.1	3763291	1.30E-03	2.12E-04	9.82E-05
157	437786	3763295	1.20E-03	1.96E-04	9.09E-05
158	437773.9	3763300	1.13E-03	1.84E-04	8.55E-05
159	437761.7	3763304	1.06E-03	1.74E-04	8.06E-05
160	437749.6	3763309	1.01E-03	1.65E-04	7.68E-05
161	437737.4	3763314	9.84E-04	1.61E-04	7.46E-05
162	437725.3	3763318	9.39E-04	1.53E-04	7.12E-05
163	437664.6	3763341	7.43E-04	1.21E-04	5.63E-05
164	437652.4	3763346	7.13E-04	1.16E-04	5.40E-05
165	437640.3	3763351	6.85E-04	1.12E-04	5.19E-05
166	437628.1	3763355	6.60E-04	1.08E-04	5.00E-05
167	437616	3763360	6.36E-04	1.04E-04	4.82E-05
168	437603.8	3763364	6.14E-04	1.00E-04	4.65E-05
169	437591.7	3763369	5.93E-04	9.70E-05	4.50E-05
170	437877.3	3763291	1.54E-03	2.51E-04	1.17E-04
171	437865.1	3763296	1.46E-03	2.38E-04	1.11E-04
172	437853	3763301	1.38E-03	2.26E-04	1.05E-04
173	437840.8	3763305	1.31E-03	2.14E-04	9.91E-05
174	437828.6	3763310	1.21E-03	1.98E-04	9.20E-05
175	437816.5	3763314	1.14E-03	1.87E-04	8.67E-05
176	437804.3	3763319	1.08E-03	1.77E-04	8.19E-05
177	437743.6	3763342	8.38E-04	1.37E-04	6.35E-05
178	437731.4	3763347	8.15E-04	1.33E-04	6.17E-05
179	437719.3	3763351	7.79E-04	1.27E-04	5.90E-05
180	437694.9	3763360	7.16E-04	1.17E-04	5.43E-05
181	437682.8	3763365	6.87E-04	1.12E-04	5.21E-05
182	437670.6	3763370	6.60E-04	1.08E-04	5.00E-05
183	437658.5	3763374	6.35E-04	1.04E-04	4.81E-05
184	437646.3	3763379	6.12E-04	1.00E-04	4.64E-05
185	437634.2	3763384	5.91E-04	9.66E-05	4.48E-05
186	437622	3763388	5.71E-04	9.33E-05	4.33E-05
187	437609.9	3763393	5.51E-04	9.00E-05	4.18E-05
188	437597.7	3763397	5.33E-04	8.70E-05	4.04E-05
189	437895.7	3763315	1.39E-03	2.26E-04	1.05E-04
190	437883.5	3763320	1.32E-03	2.15E-04	9.97E-05
191	437834.8	3763338	1.04E-03	1.71E-04	7.91E-05
192	437822.7	3763343	9.86E-04	1.61E-04	7.47E-05
193	437810.5	3763347	9.34E-04	1.53E-04	7.08E-05
194	437798.3	3763352	8.87E-04	1.45E-04	6.72E-05
195	437786.2	3763357	8.42E-04	1.38E-04	6.38E-05
196	437774	3763361	8.02E-04	1.31E-04	6.08E-05
197	437761.9	3763366	7.66E-04	1.25E-04	5.81E-05
198	437749.7	3763370	7.35E-04	1.20E-04	5.57E-05
199	437737.5	3763375	7.06E-04	1.15E-04	5.35E-05
200	437725.4	3763380	6.89E-04	1.13E-04	5.22E-05
201	437688.9	3763393	6.14E-04	1.00E-04	4.66E-05
202	437676.7	3763398	5.93E-04	9.69E-05	4.49E-05

203	437664.5	3763403	5.73E-04	9.37E-05	4.34E-05
204	437652.4	3763407	5.54E-04	9.06E-05	4.20E-05
205	437640.2	3763412	5.37E-04	8.76E-05	4.07E-05
206	437628.1	3763417	5.16E-04	8.44E-05	3.91E-05
207	437615.9	3763421	4.98E-04	8.13E-05	3.77E-05
208	437603.7	3763426	4.79E-04	7.82E-05	3.63E-05
209	437591.6	3763430	4.63E-04	7.57E-05	3.51E-05
210	437914	3763339	1.24E-03	2.02E-04	9.37E-05
211	437901.9	3763343	1.17E-03	1.91E-04	8.88E-05
212	437889.7	3763348	1.11E-03	1.81E-04	8.42E-05
213	437877.5	3763353	1.05E-03	1.72E-04	7.99E-05
214	437865.4	3763357	1.00E-03	1.64E-04	7.60E-05
215	437853.2	3763362	9.54E-04	1.56E-04	7.23E-05
216	437841	3763366	9.03E-04	1.47E-04	6.84E-05
217	437828.8	3763371	8.54E-04	1.39E-04	6.47E-05
218	437816.7	3763376	8.09E-04	1.32E-04	6.13E-05
219	437804.5	3763380	7.70E-04	1.26E-04	5.83E-05
220	437792.3	3763385	7.34E-04	1.20E-04	5.56E-05
221	437780.2	3763390	7.03E-04	1.15E-04	5.33E-05
222	437768	3763394	6.76E-04	1.10E-04	5.12E-05
223	437755.8	3763399	6.51E-04	1.06E-04	4.93E-05
224	437743.6	3763403	6.26E-04	1.02E-04	4.74E-05
225	437731.5	3763408	6.02E-04	9.83E-05	4.56E-05
226	437719.3	3763413	5.82E-04	9.51E-05	4.41E-05
227	437695	3763422	5.51E-04	9.01E-05	4.18E-05
228	437682.8	3763426	5.34E-04	8.73E-05	4.05E-05
229	437670.6	3763431	5.19E-04	8.48E-05	3.93E-05
230	437658.4	3763436	5.01E-04	8.19E-05	3.80E-05
231	437646.3	3763440	4.85E-04	7.92E-05	3.67E-05
232	437634.1	3763445	4.68E-04	7.64E-05	3.55E-05
233	437621.9	3763450	4.50E-04	7.35E-05	3.41E-05
234	437609.8	3763454	4.35E-04	7.11E-05	3.30E-05
235	437597.6	3763459	4.22E-04	6.90E-05	3.20E-05
236	437938.6	3763370	1.09E-03	1.78E-04	8.25E-05
237	437926.5	3763375	1.03E-03	1.69E-04	7.84E-05
238	437914.4	3763379	9.84E-04	1.61E-04	7.46E-05
239	437902.3	3763384	9.37E-04	1.53E-04	7.10E-05
240	437890.2	3763389	8.91E-04	1.46E-04	6.75E-05
241	437878.2	3763393	8.49E-04	1.39E-04	6.43E-05
242	437866.1	3763398	8.08E-04	1.32E-04	6.13E-05
243	437854	3763402	7.71E-04	1.26E-04	5.84E-05
244	437841.9	3763407	7.34E-04	1.20E-04	5.56E-05
245	437829.8	3763412	6.98E-04	1.14E-04	5.29E-05
246	437817.7	3763416	6.63E-04	1.08E-04	5.03E-05
247	437805.6	3763421	6.33E-04	1.03E-04	4.79E-05
248	437745.2	3763444	5.25E-04	8.58E-05	3.98E-05
249	437733.1	3763448	5.09E-04	8.32E-05	3.86E-05
250	437721	3763453	4.95E-04	8.08E-05	3.75E-05
251	437696.9	3763462	4.68E-04	7.65E-05	3.55E-05
252	437684.8	3763467	4.54E-04	7.42E-05	3.44E-05
253	437672.7	3763471	4.41E-04	7.20E-05	3.34E-05
254	437660.6	3763476	4.28E-04	6.99E-05	3.24E-05

255	437648.5	3763480	4.15E-04	6.79E-05	3.15E-05
256	437636.4	3763485	4.03E-04	6.59E-05	3.06E-05
257	437624.3	3763490	3.92E-04	6.41E-05	2.97E-05
258	437612.2	3763494	3.82E-04	6.23E-05	2.89E-05
259	437600.2	3763499	3.72E-04	6.07E-05	2.82E-05
260	437951	3763406	9.11E-04	1.49E-04	6.90E-05
261	437938.8	3763411	8.71E-04	1.42E-04	6.60E-05
262	437926.7	3763416	8.32E-04	1.36E-04	6.31E-05
263	437914.5	3763420	7.95E-04	1.30E-04	6.03E-05
264	437853.8	3763443	6.25E-04	1.02E-04	4.74E-05
265	437841.7	3763448	5.98E-04	9.76E-05	4.53E-05
266	437829.5	3763453	5.72E-04	9.35E-05	4.34E-05
267	437817.4	3763457	5.49E-04	8.97E-05	4.16E-05
268	437805.2	3763462	5.29E-04	8.64E-05	4.01E-05
269	437793.1	3763466	5.10E-04	8.34E-05	3.87E-05
270	437780.9	3763471	4.93E-04	8.06E-05	3.74E-05
271	437768.8	3763476	4.78E-04	7.81E-05	3.62E-05
272	437756.6	3763480	4.64E-04	7.58E-05	3.51E-05
273	437744.5	3763485	4.51E-04	7.37E-05	3.42E-05
274	437732.4	3763489	4.40E-04	7.18E-05	3.33E-05
275	437720.2	3763494	4.28E-04	6.99E-05	3.24E-05
276	437695.9	3763503	4.05E-04	6.61E-05	3.07E-05
277	437683.8	3763508	3.94E-04	6.44E-05	2.99E-05
278	437671.6	3763513	3.84E-04	6.27E-05	2.91E-05
279	437659.5	3763517	3.73E-04	6.10E-05	2.83E-05
280	437647.3	3763522	3.63E-04	5.94E-05	2.75E-05
281	437635.2	3763526	3.54E-04	5.78E-05	2.68E-05
282	437987.6	3763433	8.54E-04	1.39E-04	6.47E-05
283	437951	3763447	7.44E-04	1.22E-04	5.64E-05
284	437938.8	3763452	7.11E-04	1.16E-04	5.39E-05
285	437926.6	3763457	6.81E-04	1.11E-04	5.16E-05
286	437914.4	3763461	6.55E-04	1.07E-04	4.96E-05
287	437902.2	3763466	6.28E-04	1.03E-04	4.76E-05
288	437890	3763471	6.00E-04	9.80E-05	4.55E-05
289	437877.8	3763475	5.74E-04	9.38E-05	4.35E-05
290	437865.6	3763480	5.50E-04	8.98E-05	4.17E-05
291	437853.5	3763484	5.26E-04	8.60E-05	3.99E-05
292	437841.3	3763489	5.05E-04	8.25E-05	3.83E-05
293	437829.1	3763494	4.86E-04	7.94E-05	3.68E-05
294	437816.9	3763498	4.69E-04	7.66E-05	3.55E-05
295	437804.7	3763503	4.54E-04	7.42E-05	3.44E-05
296	437792.5	3763508	4.40E-04	7.19E-05	3.34E-05
297	437780.3	3763512	4.28E-04	7.00E-05	3.24E-05
298	437768.1	3763517	4.17E-04	6.80E-05	3.16E-05
299	437755.9	3763521	4.05E-04	6.62E-05	3.07E-05
300	437743.7	3763526	3.94E-04	6.44E-05	2.99E-05
301	437731.5	3763531	3.84E-04	6.27E-05	2.91E-05
302	437682.7	3763549	3.48E-04	5.69E-05	2.64E-05
303	437670.5	3763554	3.40E-04	5.55E-05	2.58E-05
304	437658.3	3763558	3.32E-04	5.42E-05	2.51E-05
305	437646.1	3763563	3.24E-04	5.30E-05	2.46E-05
306	437633.9	3763568	3.17E-04	5.17E-05	2.40E-05

307	437621.7	3763572	3.10E-04	5.06E-05	2.35E-05
308	437609.5	3763577	3.03E-04	4.95E-05	2.30E-05
309	438012.2	3763465	7.73E-04	1.26E-04	5.86E-05
310	438000	3763470	7.43E-04	1.21E-04	5.63E-05
311	437987.9	3763474	7.10E-04	1.16E-04	5.38E-05
312	437951.5	3763488	6.25E-04	1.02E-04	4.73E-05
313	437939.4	3763493	6.02E-04	9.83E-05	4.56E-05
314	437927.3	3763497	5.92E-04	9.67E-05	4.48E-05
315	437915.2	3763502	5.69E-04	9.30E-05	4.31E-05
316	437903	3763506	5.46E-04	8.93E-05	4.14E-05
317	437890.9	3763511	5.13E-04	8.38E-05	3.89E-05
318	437878.8	3763516	4.92E-04	8.04E-05	3.73E-05
319	437866.7	3763520	4.72E-04	7.71E-05	3.58E-05
320	437854.6	3763525	4.53E-04	7.40E-05	3.43E-05
321	437842.4	3763530	4.37E-04	7.13E-05	3.31E-05
322	437830.3	3763534	4.22E-04	6.90E-05	3.20E-05
323	437769.7	3763557	3.67E-04	6.00E-05	2.78E-05
324	437757.6	3763562	3.57E-04	5.84E-05	2.71E-05
325	437745.4	3763566	3.48E-04	5.69E-05	2.64E-05
326	437733.3	3763571	3.40E-04	5.56E-05	2.58E-05
327	437721.2	3763576	3.33E-04	5.44E-05	2.52E-05
328	437709.1	3763580	3.26E-04	5.32E-05	2.47E-05
329	437696.9	3763585	3.19E-04	5.21E-05	2.42E-05
330	437684.8	3763589	3.12E-04	5.10E-05	2.36E-05
331	437672.7	3763594	3.05E-04	4.99E-05	2.31E-05
332	437660.6	3763599	2.98E-04	4.87E-05	2.26E-05
333	437648.4	3763603	2.91E-04	4.76E-05	2.21E-05
334	437636.3	3763608	2.85E-04	4.65E-05	2.16E-05
335	437624.2	3763612	2.79E-04	4.56E-05	2.11E-05
336	437612.1	3763617	2.74E-04	4.47E-05	2.08E-05
337	438036.7	3763497	6.97E-04	1.14E-04	5.28E-05
338	438024.5	3763501	6.70E-04	1.09E-04	5.08E-05
339	438012.3	3763506	6.44E-04	1.05E-04	4.88E-05
340	438000.2	3763511	6.18E-04	1.01E-04	4.69E-05
341	437988	3763515	5.95E-04	9.71E-05	4.51E-05
342	437951.5	3763529	5.44E-04	8.89E-05	4.12E-05
343	437939.3	3763534	5.24E-04	8.56E-05	3.97E-05
344	437927.1	3763538	5.03E-04	8.22E-05	3.81E-05
345	437878.4	3763557	4.21E-04	6.88E-05	3.19E-05
346	437866.3	3763561	4.06E-04	6.64E-05	3.08E-05
347	437854.1	3763566	3.93E-04	6.42E-05	2.98E-05
348	437841.9	3763571	3.82E-04	6.23E-05	2.89E-05
349	437829.8	3763575	3.71E-04	6.06E-05	2.81E-05
350	437817.6	3763580	3.61E-04	5.90E-05	2.74E-05
351	437805.4	3763584	3.51E-04	5.74E-05	2.66E-05
352	437793.2	3763589	3.42E-04	5.59E-05	2.59E-05
353	437781.1	3763594	3.33E-04	5.44E-05	2.52E-05
354	437768.9	3763598	3.25E-04	5.31E-05	2.46E-05
355	437756.7	3763603	3.18E-04	5.19E-05	2.41E-05
356	437744.6	3763608	3.11E-04	5.09E-05	2.36E-05
357	437732.4	3763612	3.05E-04	4.98E-05	2.31E-05
358	437720.2	3763617	2.99E-04	4.88E-05	2.26E-05

359	437708	3763621	2.92E-04	4.78E-05	2.22E-05
360	437695.9	3763626	2.86E-04	4.67E-05	2.17E-05
361	437683.7	3763631	2.79E-04	4.56E-05	2.12E-05
362	437671.5	3763635	2.72E-04	4.45E-05	2.06E-05
363	437659.4	3763640	2.66E-04	4.35E-05	2.02E-05
364	437647.2	3763645	2.60E-04	4.26E-05	1.97E-05
365	437635	3763649	2.55E-04	4.17E-05	1.93E-05
366	437622.8	3763654	2.50E-04	4.09E-05	1.90E-05
367	437610.7	3763658	2.46E-04	4.01E-05	1.86E-05
368	438061.2	3763528	6.31E-04	1.03E-04	4.78E-05
369	438049.1	3763533	6.05E-04	9.88E-05	4.58E-05
370	438037	3763537	5.79E-04	9.46E-05	4.39E-05
371	437952.3	3763570	4.47E-04	7.31E-05	3.39E-05
372	437940.1	3763574	4.33E-04	7.07E-05	3.28E-05
373	437928	3763579	4.18E-04	6.83E-05	3.17E-05
374	437915.9	3763583	4.05E-04	6.61E-05	3.07E-05
375	437903.8	3763588	3.92E-04	6.41E-05	2.97E-05
376	437891.7	3763593	3.80E-04	6.21E-05	2.88E-05
377	437879.6	3763597	3.69E-04	6.03E-05	2.80E-05
378	437867.5	3763602	3.58E-04	5.85E-05	2.71E-05
379	437855.4	3763606	3.48E-04	5.68E-05	2.64E-05
380	437843.3	3763611	3.38E-04	5.53E-05	2.56E-05
381	437831.2	3763616	3.30E-04	5.38E-05	2.50E-05
382	437819.1	3763620	3.21E-04	5.25E-05	2.43E-05
383	437807	3763625	3.14E-04	5.13E-05	2.38E-05
384	437794.9	3763629	3.07E-04	5.02E-05	2.33E-05
385	437782.8	3763634	3.01E-04	4.91E-05	2.28E-05
386	437770.6	3763639	2.94E-04	4.81E-05	2.23E-05
387	437758.5	3763643	2.88E-04	4.71E-05	2.19E-05
388	437746.4	3763648	2.83E-04	4.62E-05	2.14E-05
389	437734.3	3763652	2.78E-04	4.54E-05	2.10E-05
390	437722.2	3763657	2.72E-04	4.44E-05	2.06E-05
391	437710.1	3763662	2.66E-04	4.34E-05	2.01E-05
392	437698	3763666	2.60E-04	4.25E-05	1.97E-05
393	437685.9	3763671	2.54E-04	4.15E-05	1.93E-05
394	437613.3	3763698	2.25E-04	3.67E-05	1.70E-05
395	438085.7	3763560	5.66E-04	9.25E-05	4.29E-05
396	438073.6	3763564	5.44E-04	8.89E-05	4.12E-05
397	438061.4	3763569	5.23E-04	8.55E-05	3.97E-05
398	438049.3	3763574	5.03E-04	8.22E-05	3.81E-05
399	438037.1	3763578	4.84E-04	7.91E-05	3.67E-05
400	438025	3763583	4.66E-04	7.61E-05	3.53E-05
401	438012.8	3763588	4.49E-04	7.33E-05	3.40E-05
402	438000.7	3763592	4.33E-04	7.07E-05	3.28E-05
403	437988.5	3763597	4.19E-04	6.85E-05	3.18E-05
404	437952.1	3763611	3.84E-04	6.27E-05	2.91E-05
405	437939.9	3763615	3.74E-04	6.10E-05	2.83E-05
406	437927.8	3763620	3.63E-04	5.94E-05	2.75E-05
407	437915.6	3763624	3.54E-04	5.79E-05	2.69E-05
408	437903.5	3763629	3.45E-04	5.64E-05	2.62E-05
409	437891.3	3763634	3.37E-04	5.50E-05	2.55E-05
410	437879.2	3763638	3.28E-04	5.36E-05	2.49E-05

411	437867	3763643	3.19E-04	5.21E-05	2.42E-05
412	437854.9	3763648	3.10E-04	5.07E-05	2.35E-05
413	437842.7	3763652	3.03E-04	4.94E-05	2.29E-05
414	437830.6	3763657	2.96E-04	4.84E-05	2.24E-05
415	437818.4	3763661	2.90E-04	4.74E-05	2.20E-05
416	437806.3	3763666	2.84E-04	4.64E-05	2.15E-05
417	437794.1	3763671	2.78E-04	4.54E-05	2.10E-05
418	437721.2	3763698	2.47E-04	4.04E-05	1.87E-05
419	437709.1	3763703	2.43E-04	3.96E-05	1.84E-05
420	437696.9	3763707	2.38E-04	3.89E-05	1.80E-05
421	437684.8	3763712	2.33E-04	3.81E-05	1.77E-05
422	437672.6	3763717	2.28E-04	3.73E-05	1.73E-05
423	437660.5	3763721	2.24E-04	3.65E-05	1.69E-05
424	437648.3	3763726	2.19E-04	3.58E-05	1.66E-05
425	437636.1	3763731	2.15E-04	3.51E-05	1.63E-05
426	437624	3763735	2.11E-04	3.45E-05	1.60E-05
427	437611.8	3763740	2.07E-04	3.39E-05	1.57E-05
428	438110.2	3763591	5.20E-04	8.50E-05	3.94E-05
429	438098.1	3763596	5.01E-04	8.19E-05	3.80E-05
430	438085.9	3763601	4.83E-04	7.89E-05	3.66E-05
431	438073.7	3763605	4.65E-04	7.59E-05	3.52E-05
432	438061.5	3763610	4.47E-04	7.31E-05	3.39E-05
433	438049.3	3763615	4.31E-04	7.04E-05	3.27E-05
434	438037.1	3763619	4.16E-04	6.79E-05	3.15E-05
435	438024.9	3763624	4.02E-04	6.56E-05	3.04E-05
436	438012.7	3763628	3.90E-04	6.36E-05	2.95E-05
437	438000.5	3763633	3.79E-04	6.18E-05	2.87E-05
438	437988.3	3763638	3.69E-04	6.02E-05	2.79E-05
439	437951.8	3763652	3.42E-04	5.59E-05	2.59E-05
440	437939.6	3763656	3.33E-04	5.45E-05	2.53E-05
441	437927.4	3763661	3.24E-04	5.30E-05	2.46E-05
442	437915.2	3763666	3.16E-04	5.17E-05	2.40E-05
443	437903	3763670	3.08E-04	5.04E-05	2.34E-05
444	437829.9	3763698	2.69E-04	4.39E-05	2.04E-05
445	437817.7	3763703	2.63E-04	4.30E-05	1.99E-05
446	437805.5	3763707	2.58E-04	4.21E-05	1.95E-05
447	437793.3	3763712	2.52E-04	4.12E-05	1.91E-05
448	437781.1	3763716	2.47E-04	4.04E-05	1.88E-05
449	437768.9	3763721	2.43E-04	3.97E-05	1.84E-05
450	437756.7	3763726	2.39E-04	3.90E-05	1.81E-05
451	437744.5	3763730	2.34E-04	3.83E-05	1.78E-05
452	437732.3	3763735	2.31E-04	3.77E-05	1.75E-05
453	437720.1	3763740	2.26E-04	3.70E-05	1.71E-05
454	437707.9	3763744	2.22E-04	3.62E-05	1.68E-05
455	437695.8	3763749	2.18E-04	3.55E-05	1.65E-05
456	437683.6	3763753	2.14E-04	3.49E-05	1.62E-05
457	437671.4	3763758	2.10E-04	3.43E-05	1.59E-05
458	437659.2	3763763	2.06E-04	3.36E-05	1.56E-05
459	437647	3763767	2.02E-04	3.30E-05	1.53E-05
460	437634.8	3763772	1.98E-04	3.24E-05	1.50E-05
461	437622.6	3763777	1.95E-04	3.19E-05	1.48E-05
462	438134.8	3763623	4.80E-04	7.84E-05	3.64E-05

463	438122.7	3763628	4.63E-04	7.56E-05	3.51E-05
464	438110.5	3763632	4.47E-04	7.30E-05	3.39E-05
465	438098.4	3763637	4.32E-04	7.06E-05	3.28E-05
466	438086.3	3763641	4.17E-04	6.82E-05	3.16E-05
467	438074.1	3763646	4.02E-04	6.57E-05	3.05E-05
468	438062	3763651	3.87E-04	6.32E-05	2.93E-05
469	438049.9	3763655	3.74E-04	6.11E-05	2.83E-05
470	438037.7	3763660	3.62E-04	5.91E-05	2.74E-05
471	438025.6	3763665	3.51E-04	5.74E-05	2.66E-05
472	437940.6	3763697	2.93E-04	4.79E-05	2.22E-05
473	437928.5	3763701	2.86E-04	4.68E-05	2.17E-05
474	437916.4	3763706	2.80E-04	4.57E-05	2.12E-05
475	437904.2	3763711	2.74E-04	4.48E-05	2.08E-05
476	437892.1	3763715	2.69E-04	4.39E-05	2.04E-05
477	437880	3763720	2.63E-04	4.30E-05	2.00E-05
478	437867.8	3763724	2.59E-04	4.23E-05	1.96E-05
479	437855.7	3763729	2.54E-04	4.15E-05	1.93E-05
480	437843.6	3763734	2.49E-04	4.08E-05	1.89E-05
481	437831.4	3763738	2.45E-04	4.00E-05	1.86E-05
482	437819.3	3763743	2.40E-04	3.93E-05	1.82E-05
483	437807.2	3763747	2.36E-04	3.85E-05	1.79E-05
484	437795	3763752	2.31E-04	3.78E-05	1.75E-05
485	437782.9	3763757	2.27E-04	3.71E-05	1.72E-05
486	437770.8	3763761	2.23E-04	3.65E-05	1.69E-05
487	437758.6	3763766	2.19E-04	3.58E-05	1.66E-05
488	437746.5	3763770	2.15E-04	3.52E-05	1.63E-05
489	437734.4	3763775	2.12E-04	3.46E-05	1.60E-05
490	437722.2	3763780	2.08E-04	3.40E-05	1.58E-05
491	437710.1	3763784	2.05E-04	3.35E-05	1.55E-05
492	437698	3763789	2.02E-04	3.29E-05	1.53E-05
493	437685.8	3763793	1.98E-04	3.24E-05	1.50E-05
494	437673.7	3763798	1.95E-04	3.19E-05	1.48E-05
495	437661.6	3763803	1.92E-04	3.14E-05	1.46E-05
496	437649.4	3763807	1.89E-04	3.09E-05	1.43E-05
497	437637.3	3763812	1.86E-04	3.03E-05	1.41E-05
498	437625.2	3763817	1.83E-04	2.98E-05	1.38E-05
499	438159.3	3763655	4.44E-04	7.26E-05	3.37E-05
500	438147.1	3763659	4.29E-04	7.01E-05	3.25E-05
501	438135	3763664	4.14E-04	6.76E-05	3.14E-05
502	438122.8	3763669	4.00E-04	6.53E-05	3.03E-05
503	438037.6	3763701	3.17E-04	5.17E-05	2.40E-05
504	438025.4	3763705	3.08E-04	5.03E-05	2.33E-05
505	438013.2	3763710	2.99E-04	4.89E-05	2.27E-05
506	438001.1	3763715	2.91E-04	4.76E-05	2.21E-05
507	437988.9	3763719	2.85E-04	4.66E-05	2.16E-05
508	437976.7	3763724	2.79E-04	4.56E-05	2.12E-05
509	437940.2	3763738	2.61E-04	4.27E-05	1.98E-05
510	437928	3763742	2.57E-04	4.19E-05	1.94E-05
511	437915.9	3763747	2.52E-04	4.11E-05	1.91E-05
512	437903.7	3763752	2.47E-04	4.04E-05	1.87E-05
513	437891.5	3763756	2.43E-04	3.97E-05	1.84E-05
514	437879.4	3763761	2.38E-04	3.89E-05	1.81E-05

515	437867.2	3763766	2.34E-04	3.82E-05	1.77E-05
516	437855	3763770	2.30E-04	3.76E-05	1.74E-05
517	437842.8	3763775	2.26E-04	3.70E-05	1.71E-05
518	437830.7	3763779	2.23E-04	3.64E-05	1.69E-05
519	437818.5	3763784	2.19E-04	3.58E-05	1.66E-05
520	437806.3	3763789	2.15E-04	3.52E-05	1.63E-05
521	437794.2	3763793	2.12E-04	3.46E-05	1.61E-05
522	437782	3763798	2.09E-04	3.41E-05	1.58E-05
523	437769.8	3763803	2.05E-04	3.36E-05	1.56E-05
524	437757.6	3763807	2.02E-04	3.30E-05	1.53E-05
525	437745.5	3763812	1.99E-04	3.25E-05	1.51E-05
526	437733.3	3763816	1.96E-04	3.20E-05	1.48E-05
527	437721.1	3763821	1.93E-04	3.15E-05	1.46E-05
528	437709	3763826	1.90E-04	3.11E-05	1.44E-05
529	437696.8	3763830	1.88E-04	3.07E-05	1.42E-05
530	437684.6	3763835	1.85E-04	3.02E-05	1.40E-05
531	437672.4	3763839	1.82E-04	2.97E-05	1.38E-05
532	437660.3	3763844	1.78E-04	2.91E-05	1.35E-05
533	437648.1	3763849	1.75E-04	2.86E-05	1.33E-05
534	437635.9	3763853	1.72E-04	2.82E-05	1.31E-05
535	437623.8	3763858	1.70E-04	2.77E-05	1.29E-05
536	437601	3762897	6.09E-02	9.95E-03	4.61E-03
537	437593.1	3762905	5.34E-02	8.72E-03	4.05E-03
538	437609.4	3762902	5.33E-02	8.70E-03	4.04E-03
539	437601.7	3762910	4.75E-02	7.76E-03	3.60E-03
540	437617.7	3762908	4.72E-02	7.71E-03	3.58E-03
541	437610.2	3762916	4.25E-02	6.94E-03	3.22E-03
542	437626.1	3762913	4.22E-02	6.89E-03	3.19E-03
543	437618.7	3762921	3.82E-02	6.25E-03	2.90E-03
544	437634.2	3762919	3.78E-02	6.18E-03	2.87E-03
545	437650.9	3762930	3.12E-02	5.09E-03	2.36E-03
546	437650.7	3762959	2.15E-02	3.52E-03	1.63E-03
547	437642.3	3762968	1.91E-02	3.12E-03	1.45E-03
548	437676	3762961	2.06E-02	3.36E-03	1.56E-03
549	437668	3762969	1.87E-02	3.05E-03	1.42E-03
550	437659.9	3762978	1.68E-02	2.75E-03	1.27E-03
551	437700.9	3762963	1.93E-02	3.15E-03	1.46E-03
552	437693	3762972	1.79E-02	2.92E-03	1.36E-03
553	437685.1	3762980	1.64E-02	2.68E-03	1.24E-03
554	437677.2	3762989	1.49E-02	2.44E-03	1.13E-03
555	437669.3	3762997	1.34E-02	2.20E-03	1.02E-03
556	437709.2	3762983	1.56E-02	2.55E-03	1.18E-03
557	437701	3762992	1.43E-02	2.34E-03	1.09E-03
558	437692.7	3763001	1.30E-02	2.13E-03	9.88E-04
559	437684.5	3763010	0.01176368	1.92E-03	8.91E-04
560	437710	3763011	0.01171813	1.91E-03	8.88E-04
561	437701.9	3763020	0.01066318	1.74E-03	8.08E-04
562	437750.7	3762996	0.01302758	2.13E-03	9.87E-04
563	437742.4	3763005	0.01222694	2.00E-03	9.27E-04
564	437767.4	3763007	0.01159728	1.89E-03	8.79E-04
565	437759.2	3763016	0.01093432	1.79E-03	8.29E-04
566	437751.1	3763025	0.01018541	1.66E-03	7.72E-04

567	437742.9	3763034	0.009368777	1.53E-03	7.10E-04
568	437783.9	3763019	0.01035573	1.69E-03	7.85E-04
569	437775.6	3763028	0.009742721	1.59E-03	7.38E-04
570	437767.2	3763037	0.009073495	1.48E-03	6.88E-04
571	437758.8	3763046	0.008362368	1.37E-03	6.34E-04
572	437750.5	3763055	0.007643197	1.25E-03	5.79E-04
573	437742.1	3763064	0.006949091	1.14E-03	5.27E-04
574	437800.6	3763030	0.009333704	1.52E-03	7.07E-04
575	437792.4	3763039	0.008796546	1.44E-03	6.67E-04
576	437784.2	3763047	0.008230767	1.34E-03	6.24E-04
577	437776	3763056	0.007633563	1.25E-03	5.78E-04
578	437767.7	3763065	0.00702981	1.15E-03	5.33E-04
579	437759.5	3763074	0.006433446	1.05E-03	4.87E-04
580	437751.3	3763083	0.005858877	9.57E-04	4.44E-04
581	437743.1	3763092	0.005318446	8.69E-04	4.03E-04
582	437808.9	3763064	0.007159914	1.17E-03	5.43E-04
583	437800.5	3763073	0.006660731	1.09E-03	5.05E-04
584	437792.2	3763082	0.006152569	1.01E-03	4.66E-04
585	437783.8	3763091	0.005662271	9.25E-04	4.29E-04
586	437775.5	3763100	0.005181327	8.46E-04	3.93E-04
587	437767.1	3763109	0.004714693	7.70E-04	3.57E-04
588	437758.8	3763118	0.004281451	6.99E-04	3.24E-04
589	437793.4	3763124	0.004340189	7.09E-04	3.29E-04
590	437785.3	3763133	0.003968865	6.48E-04	3.01E-04
591	437777.1	3763142	0.003626723	5.92E-04	2.75E-04
592	437875.5	3763080	0.006247972	1.02E-03	4.73E-04
593	437859	3763097	0.00565666	9.24E-04	4.29E-04
594	437850.7	3763106	0.00534557	8.73E-04	4.05E-04
595	437842.4	3763115	0.004986218	8.15E-04	3.78E-04
596	437834.2	3763124	0.004620226	7.55E-04	3.50E-04
597	437825.9	3763133	0.004261996	6.96E-04	3.23E-04
598	437900.5	3763096	0.005532542	9.04E-04	4.19E-04
599	437867	3763132	0.004447845	7.27E-04	3.37E-04
600	437858.6	3763141	0.004161823	6.80E-04	3.15E-04
601	437850.2	3763150	0.003867195	6.32E-04	2.93E-04
602	437841.9	3763159	0.003568265	5.83E-04	2.70E-04
603	437833.5	3763168	0.003288977	5.37E-04	2.49E-04
604	437825.1	3763177	0.003032137	4.95E-04	2.30E-04
605	437925.5	3763113	0.004924861	8.05E-04	3.73E-04
606	437917.3	3763122	0.004711139	7.70E-04	3.57E-04
607	437909.1	3763130	0.004486942	7.33E-04	3.40E-04
608	437900.8	3763139	0.004255729	6.95E-04	3.22E-04
609	437867.9	3763175	0.0032872	5.37E-04	2.49E-04
610	437859.7	3763184	0.00305365	4.99E-04	2.31E-04
611	437851.5	3763192	0.002826552	4.62E-04	2.14E-04
612	437843.3	3763201	0.002617321	4.28E-04	1.98E-04
613	437835.1	3763210	0.002427543	3.97E-04	1.84E-04
614	437950.4	3763129	0.004418102	7.22E-04	3.35E-04
615	437942.1	3763138	0.004230101	6.91E-04	3.21E-04
616	437933.8	3763147	0.004035273	6.59E-04	3.06E-04
617	437925.5	3763156	0.003833898	6.26E-04	2.91E-04
618	437917.2	3763165	0.003629342	5.93E-04	2.75E-04

619	437908.9	3763174	0.003422729	5.59E-04	2.59E-04
620	437900.6	3763183	0.003212842	5.25E-04	2.43E-04
621	437867.4	3763219	0.0024137	3.94E-04	1.83E-04
622	437859	3763228	0.002243003	3.66E-04	1.70E-04
623	437850.7	3763237	0.002083063	3.40E-04	1.58E-04
624	437950.2	3763173	0.003484741	5.69E-04	2.64E-04
625	437941.8	3763182	0.003301885	5.39E-04	2.50E-04
626	437933.5	3763191	0.00312277	5.10E-04	2.37E-04
627	437925.1	3763200	0.002942346	4.81E-04	2.23E-04
628	437916.7	3763209	0.00275631	4.50E-04	2.09E-04
629	437908.3	3763218	0.002574482	4.21E-04	1.95E-04
630	437874.7	3763254	0.001909373	3.12E-04	1.45E-04
631	438000.4	3763163	0.003645804	5.96E-04	2.76E-04
632	437992.1	3763172	0.003508779	5.73E-04	2.66E-04
633	437983.9	3763180	0.00335445	5.48E-04	2.54E-04
634	437950.8	3763216	0.002719645	4.44E-04	2.06E-04
635	437942.6	3763225	0.002561108	4.18E-04	1.94E-04
636	437934.3	3763234	0.002403599	3.93E-04	1.82E-04
637	437926.1	3763243	0.002250205	3.68E-04	1.71E-04
638	437917.8	3763252	0.002099618	3.43E-04	1.59E-04
639	437909.5	3763260	0.001955858	3.20E-04	1.48E-04
640	437901.3	3763269	0.001826316	2.98E-04	1.38E-04
641	437893	3763278	0.001703975	2.78E-04	1.29E-04
642	438025.4	3763179	0.003323584	5.43E-04	2.52E-04
643	438017	3763188	0.003197315	5.22E-04	2.42E-04
644	438008.7	3763197	0.003063377	5.00E-04	2.32E-04
645	438000.4	3763206	0.002923172	4.78E-04	2.22E-04
646	437992	3763215	0.002794284	4.56E-04	2.12E-04
647	437983.7	3763224	0.00265146	4.33E-04	2.01E-04
648	437950.4	3763260	0.002081566	3.40E-04	1.58E-04
649	437942	3763269	0.001953146	3.19E-04	1.48E-04
650	437933.7	3763278	0.001829496	2.99E-04	1.39E-04
651	437925.4	3763287	0.00171258	2.80E-04	1.30E-04
652	437917	3763296	0.001611472	2.63E-04	1.22E-04
653	437908.7	3763305	0.001507464	2.46E-04	1.14E-04
654	438025.1	3763223	0.002699255	4.41E-04	2.05E-04
655	437999.9	3763250	0.002304454	3.76E-04	1.75E-04
656	437991.5	3763259	0.002174912	3.55E-04	1.65E-04
657	437983.1	3763268	0.002051075	3.35E-04	1.55E-04
658	437949.5	3763304	0.00160268	2.62E-04	1.21E-04
659	437941.1	3763313	0.001507651	2.46E-04	1.14E-04
660	438083.6	3763218	0.002716278	4.44E-04	2.06E-04
661	438075.2	3763227	0.002618817	4.28E-04	1.98E-04
662	438058.3	3763245	0.002412203	3.94E-04	1.83E-04
663	438049.9	3763254	0.002305202	3.77E-04	1.75E-04
664	438041.5	3763263	0.002196143	3.59E-04	1.66E-04
665	438033.1	3763272	0.002086897	3.41E-04	1.58E-04
666	438024.7	3763282	0.001977371	3.23E-04	1.50E-04
667	438016.2	3763291	0.001870744	3.06E-04	1.42E-04
668	438007.8	3763300	0.001771038	2.89E-04	1.34E-04
669	437999.4	3763309	0.001672455	2.73E-04	1.27E-04
670	437991	3763318	0.001575836	2.57E-04	1.19E-04

671	437982.6	3763327	0.001482958	2.42E-04	1.12E-04
672	437948.9	3763363	0.001153817	1.88E-04	8.74E-05
673	438108.4	3763249	0.00236815	3.87E-04	1.79E-04
674	438100	3763258	0.002278265	3.72E-04	1.73E-04
675	438091.6	3763268	0.002186135	3.57E-04	1.66E-04
676	438083.1	3763277	0.00209438	3.42E-04	1.59E-04
677	438074.7	3763286	0.002000754	3.27E-04	1.52E-04
678	438066.2	3763295	0.001906286	3.11E-04	1.44E-04
679	438057.8	3763304	0.001813408	2.96E-04	1.37E-04
680	438049.4	3763313	0.001724178	2.82E-04	1.31E-04
681	438040.9	3763322	0.001637287	2.67E-04	1.24E-04
682	438032.5	3763331	0.001552079	2.54E-04	1.18E-04
683	438024	3763340	0.001467993	2.40E-04	1.11E-04
684	438015.6	3763349	0.001386245	2.26E-04	1.05E-04
685	438007.2	3763358	0.001304311	2.13E-04	9.88E-05
686	437998.7	3763367	0.001224528	2.00E-04	9.28E-05
687	438150.2	3763262	0.002226822	3.64E-04	1.69E-04
688	438141.9	3763271	0.002165465	3.54E-04	1.64E-04
689	438133.6	3763280	0.002089797	3.41E-04	1.58E-04
690	438125.3	3763289	0.002012539	3.29E-04	1.53E-04
691	438117	3763298	0.001931072	3.15E-04	1.46E-04
692	438108.7	3763307	0.001848951	3.02E-04	1.40E-04
693	438100.4	3763316	0.001767858	2.89E-04	1.34E-04
694	438092.1	3763325	0.001687888	2.76E-04	1.28E-04
695	438083.8	3763334	0.001607637	2.63E-04	1.22E-04
696	438075.4	3763343	0.001528789	2.50E-04	1.16E-04
697	438067.1	3763352	0.001452186	2.37E-04	1.10E-04
698	438058.8	3763361	0.001377079	2.25E-04	1.04E-04
699	438050.5	3763370	0.001305433	2.13E-04	9.89E-05
700	438017.3	3763405	0.001037369	1.69E-04	7.86E-05
701	438009	3763414	0.000977695	1.60E-04	7.41E-05
702	438000.7	3763423	0.000921669	1.51E-04	6.98E-05
703	438183.5	3763285	0.002026943	3.31E-04	1.54E-04
704	438175.2	3763294	0.001964089	3.21E-04	1.49E-04
705	438166.9	3763303	0.001909092	3.12E-04	1.45E-04
706	438158.5	3763312	0.001841001	3.01E-04	1.40E-04
707	438150.2	3763320	0.001771225	2.89E-04	1.34E-04
708	438141.9	3763329	0.001698551	2.77E-04	1.29E-04
709	438133.5	3763338	0.001626718	2.66E-04	1.23E-04
710	438125.2	3763347	0.001556288	2.54E-04	1.18E-04
711	438116.9	3763356	0.001487073	2.43E-04	1.13E-04
712	438108.5	3763365	0.001417953	2.32E-04	1.07E-04
713	438075.2	3763401	0.001158868	1.89E-04	8.78E-05
714	438066.9	3763410	0.001099568	1.80E-04	8.33E-05
715	438058.5	3763419	0.00104083	1.70E-04	7.89E-05
716	438050.2	3763428	0.000983307	1.61E-04	7.45E-05
717	438041.9	3763437	0.00092831	1.52E-04	7.03E-05
718	438033.5	3763446	0.000875839	1.43E-04	6.64E-05
719	438025.2	3763455	0.000827576	1.35E-04	6.27E-05
720	438216.8	3763307	0.001858491	3.04E-04	1.41E-04
721	438208.5	3763316	0.001801997	2.94E-04	1.37E-04
722	438200.1	3763325	0.001744755	2.85E-04	1.32E-04

723	438191.7	3763334	0.001685362	2.75E-04	1.28E-04
724	438183.4	3763343	0.001623257	2.65E-04	1.23E-04
725	438175	3763352	0.001559748	2.55E-04	1.18E-04
726	438166.7	3763361	0.001496894	2.45E-04	1.13E-04
727	438158.3	3763370	0.00143376	2.34E-04	1.09E-04
728	438124.9	3763406	0.001193662	1.95E-04	9.05E-05
729	438116.6	3763415	0.001138197	1.86E-04	8.62E-05
730	438108.2	3763424	0.001085071	1.77E-04	8.22E-05
731	438099.9	3763433	0.001032973	1.69E-04	7.83E-05
732	438091.5	3763442	0.000981624	1.60E-04	7.44E-05
733	438083.2	3763451	0.000928871	1.52E-04	7.04E-05
734	438074.8	3763460	0.000878832	1.44E-04	6.66E-05
735	438066.4	3763469	0.000831691	1.36E-04	6.30E-05
736	438058.1	3763477	0.000787263	1.29E-04	5.97E-05
737	438049.7	3763486	0.000744893	1.22E-04	5.64E-05
738	438250.1	3763329	0.001703882	2.78E-04	1.29E-04
739	438241.7	3763338	0.001655338	2.70E-04	1.25E-04
740	438233.4	3763347	0.001605018	2.62E-04	1.22E-04
741	438225	3763356	0.001553014	2.54E-04	1.18E-04
742	438216.6	3763365	0.001498952	2.45E-04	1.14E-04
743	438183.1	3763401	0.001273258	2.08E-04	9.65E-05
744	438174.7	3763410	0.001217419	1.99E-04	9.23E-05
745	438166.4	3763419	0.001167379	1.91E-04	8.85E-05
746	438158	3763428	0.001118181	1.83E-04	8.47E-05
747	438149.6	3763437	0.001069918	1.75E-04	8.11E-05
748	438141.3	3763446	0.00102044	1.67E-04	7.73E-05
749	438132.9	3763455	0.000970587	1.59E-04	7.35E-05
750	438124.5	3763464	0.000921576	1.51E-04	6.98E-05
751	438116.1	3763473	0.000873781	1.43E-04	6.62E-05
752	438107.8	3763482	0.00082795	1.35E-04	6.27E-05
753	438099.4	3763491	0.000784644	1.28E-04	5.95E-05
754	438091	3763500	0.000743958	1.22E-04	5.64E-05
755	438082.7	3763509	0.000706732	1.15E-04	5.36E-05
756	438074.3	3763518	0.00067147	1.10E-04	5.09E-05
757	438283.4	3763351	0.001572936	2.57E-04	1.19E-04
758	438275	3763360	0.001529257	2.50E-04	1.16E-04
759	438266.6	3763369	0.001483426	2.42E-04	1.12E-04
760	438233.1	3763405	0.001290468	2.11E-04	9.78E-05
761	438224.7	3763414	0.001240802	2.03E-04	9.40E-05
762	438216.3	3763423	0.001193101	1.95E-04	9.04E-05
763	438207.9	3763432	0.001146989	1.87E-04	8.69E-05
764	438199.5	3763441	0.001101158	1.80E-04	8.34E-05
765	438191.1	3763450	0.001056076	1.73E-04	8.00E-05
766	438182.7	3763459	0.001011835	1.65E-04	7.67E-05
767	438174.3	3763468	0.0009675	1.58E-04	7.33E-05
768	438165.9	3763477	0.000919612	1.50E-04	6.97E-05
769	438157.5	3763486	0.000872658	1.43E-04	6.61E-05
770	438149.2	3763496	0.000827669	1.35E-04	6.27E-05
771	438140.8	3763505	0.000785206	1.28E-04	5.95E-05
772	438132.4	3763514	0.000745454	1.22E-04	5.65E-05
773	438124	3763523	0.000707854	1.16E-04	5.36E-05
774	438115.6	3763532	0.000672967	1.10E-04	5.10E-05

775	438291.5	3763400	0.001333119	2.18E-04	1.01E-04
776	438283.1	3763409	0.001288223	2.10E-04	9.76E-05
777	438266.2	3763428	0.001200303	1.96E-04	9.10E-05
778	438257.8	3763437	0.001156997	1.89E-04	8.77E-05
779	438249.4	3763446	0.001114908	1.82E-04	8.45E-05
780	438241	3763455	0.001074502	1.76E-04	8.14E-05
781	438232.6	3763464	0.001035218	1.69E-04	7.84E-05
782	438224.2	3763473	0.000995279	1.63E-04	7.54E-05
783	438215.8	3763482	0.000953845	1.56E-04	7.23E-05
784	438207.4	3763491	0.000912223	1.49E-04	6.91E-05
785	438199	3763500	0.000869665	1.42E-04	6.59E-05
786	438190.6	3763509	0.000827202	1.35E-04	6.27E-05
787	438182.2	3763518	0.000785954	1.28E-04	5.96E-05
788	438173.8	3763527	0.000747044	1.22E-04	5.66E-05
789	438165.4	3763536	0.000711221	1.16E-04	5.39E-05
790	438140.2	3763563	0.000613948	1.00E-04	4.65E-05
791	438131.8	3763572	0.000583736	9.54E-05	4.42E-05
792	438123.4	3763581	0.000554461	9.06E-05	4.20E-05
793	438350	3763395	0.001345652	2.20E-04	1.02E-04
794	438341.6	3763405	0.001312822	2.14E-04	9.95E-05
795	438333.1	3763414	0.001278122	2.09E-04	9.69E-05
796	438324.7	3763423	0.001240335	2.03E-04	9.40E-05
797	438316.3	3763432	0.001200864	1.96E-04	9.10E-05
798	438307.9	3763441	0.001160832	1.90E-04	8.80E-05
799	438299.5	3763450	0.001122484	1.83E-04	8.51E-05
800	438291	3763459	0.00108451	1.77E-04	8.22E-05
801	438257.4	3763495	0.000937102	1.53E-04	7.10E-05
802	438248.9	3763504	0.000899315	1.47E-04	6.81E-05
803	438240.5	3763513	0.000860967	1.41E-04	6.52E-05
804	438232.1	3763522	0.000823554	1.35E-04	6.24E-05
805	438223.7	3763531	0.000786421	1.28E-04	5.96E-05
806	438198.4	3763558	0.000680169	1.11E-04	5.15E-05
807	438190	3763568	0.000648929	1.06E-04	4.92E-05
808	438181.6	3763577	0.000619092	1.01E-04	4.69E-05
809	438173.1	3763586	0.000590377	9.64E-05	4.47E-05
810	438164.7	3763595	0.000562785	9.19E-05	4.26E-05
811	438156.3	3763604	0.000535848	8.75E-05	4.06E-05
812	438147.9	3763613	0.000509846	8.33E-05	3.86E-05
813	438349.5	3763454	0.001119117	1.83E-04	8.48E-05
814	438341.1	3763463	0.001084977	1.77E-04	8.22E-05
815	438332.7	3763472	0.001050744	1.72E-04	7.96E-05
816	438324.2	3763481	0.001017447	1.66E-04	7.71E-05
817	438315.8	3763490	0.000984336	1.61E-04	7.46E-05
818	438307.4	3763499	0.0009516	1.55E-04	7.21E-05
819	438298.9	3763508	0.000917554	1.50E-04	6.95E-05
820	438290.5	3763517	0.000883228	1.44E-04	6.69E-05
821	438248.3	3763563	0.000712905	1.16E-04	5.40E-05
822	438239.9	3763572	0.000680823	1.11E-04	5.16E-05
823	438231.5	3763581	0.000650051	1.06E-04	4.93E-05
824	438223	3763590	0.000621149	1.01E-04	4.71E-05
825	438214.6	3763599	0.000594306	9.71E-05	4.50E-05
826	438206.2	3763608	0.000568117	9.28E-05	4.30E-05

827	438197.7	3763617	0.000542676	8.87E-05	4.11E-05
828	438189.3	3763626	0.000517796	8.46E-05	3.92E-05
829	438180.9	3763635	0.000493852	8.07E-05	3.74E-05
830	438172.4	3763644	0.000470843	7.69E-05	3.57E-05
831	437586	3762818	0.1594467	2.60E-02	1.21E-02
832	437586	3762808	0.1598119	2.61E-02	1.21E-02
833	437586	3762798	0.1592339	2.60E-02	1.21E-02
834	437586	3762788	0.1564874	2.56E-02	1.19E-02
835	437586.1	3762779	0.1514969	2.47E-02	1.15E-02
836	437586.1	3762769	0.1437882	2.35E-02	1.09E-02
837	437586.1	3762759	0.1333223	2.18E-02	1.01E-02
838	437586.1	3762749	0.1198343	1.96E-02	9.08E-03
839	437586.1	3762739	0.1031109	1.68E-02	7.81E-03
840	437586.1	3762730	0.08532812	1.39E-02	6.47E-03
841	437596	3762818	0.1320858	2.16E-02	1.00E-02
842	437596	3762808	0.1321856	2.16E-02	1.00E-02
843	437596	3762798	0.1316391	2.15E-02	9.98E-03
844	437596	3762788	0.1292172	2.11E-02	9.79E-03
845	437596.1	3762779	0.1248002	2.04E-02	9.46E-03
846	437596.1	3762769	0.1178848	1.93E-02	8.93E-03
847	437596.1	3762759	0.1089143	1.78E-02	8.25E-03
848	437596.1	3762749	0.09788074	1.60E-02	7.42E-03
849	437596.1	3762739	0.08514526	1.39E-02	6.45E-03
850	437596.1	3762730	0.07203687	1.18E-02	5.46E-03
851	437606	3762828	0.1102305	1.80E-02	8.35E-03
852	437606	3762818	0.1114483	1.82E-02	8.45E-03
853	437606	3762808	0.1112931	1.82E-02	8.43E-03
854	437606	3762798	0.1107126	1.81E-02	8.39E-03
855	437606	3762788	0.1085323	1.77E-02	8.22E-03
856	437606.1	3762779	0.1046255	1.71E-02	7.93E-03
857	437606.1	3762769	0.09851752	1.61E-02	7.47E-03
858	437606.1	3762759	0.09087975	1.48E-02	6.89E-03
859	437606.1	3762749	0.0819053	1.34E-02	6.21E-03
860	437606.1	3762739	0.0720234	1.18E-02	5.46E-03
861	437606.1	3762730	0.0620245	1.01E-02	4.70E-03
862	437616	3762828	0.0962038	1.57E-02	7.29E-03
863	437616	3762818	0.09694926	1.58E-02	7.35E-03
864	437616	3762808	0.09654258	1.58E-02	7.32E-03
865	437616	3762798	0.09579347	1.56E-02	7.26E-03
866	437616	3762788	0.09368291	1.53E-02	7.10E-03
867	437616.1	3762779	0.09009669	1.47E-02	6.83E-03
868	437616.1	3762769	0.08466984	1.38E-02	6.42E-03
869	437616.1	3762759	0.07809871	1.28E-02	5.92E-03
870	437616.1	3762749	0.07063314	1.15E-02	5.35E-03
871	437616.1	3762739	0.06272225	1.02E-02	4.75E-03
872	437616.1	3762730	0.05474851	8.94E-03	4.15E-03
873	437626	3762828	0.08559544	1.40E-02	6.49E-03
874	437626	3762818	0.08600418	1.41E-02	6.52E-03
875	437626	3762808	0.08539397	1.40E-02	6.47E-03
876	437626	3762798	0.08442712	1.38E-02	6.40E-03
877	437626	3762788	0.0822987	1.34E-02	6.24E-03
878	437626.1	3762779	0.07893311	1.29E-02	5.98E-03

879	437626.1	3762769	0.07411554	1.21E-02	5.62E-03
880	437626.1	3762759	0.06841689	1.12E-02	5.18E-03
881	437626.1	3762749	0.06208071	1.01E-02	4.70E-03
882	437626.1	3762739	0.05557206	9.08E-03	4.21E-03
883	437626.1	3762730	0.04902554	8.01E-03	3.71E-03
884	437636	3762828	0.07656431	1.25E-02	5.80E-03
885	437636	3762818	0.07669778	1.25E-02	5.81E-03
886	437636	3762808	0.07595298	1.24E-02	5.76E-03
887	437636	3762798	0.07485257	1.22E-02	5.67E-03
888	437636	3762789	0.07273472	1.19E-02	5.51E-03
889	437636.1	3762779	0.069617	1.14E-02	5.28E-03
890	437636.1	3762769	0.06533939	1.07E-02	4.95E-03
891	437636.1	3762759	0.0604018	9.87E-03	4.58E-03
892	437636.1	3762749	0.05501217	8.99E-03	4.17E-03
893	437636.1	3762739	0.04958636	8.10E-03	3.76E-03
894	437636.1	3762730	0.04412518	7.21E-03	3.34E-03
895	437633.4	3762899	0.04950489	8.09E-03	3.75E-03
896	437646	3762828	0.06899969	1.13E-02	5.23E-03
897	437646	3762818	0.06901745	1.13E-02	5.23E-03
898	437646	3762808	0.06824038	1.11E-02	5.17E-03
899	437646	3762798	0.06702343	1.09E-02	5.08E-03
900	437646	3762789	0.06494851	1.06E-02	4.92E-03
901	437646.1	3762779	0.06203235	1.01E-02	4.70E-03
902	437646.1	3762769	0.0582383	9.51E-03	4.41E-03
903	437646.1	3762759	0.05392683	8.81E-03	4.09E-03
904	437646.1	3762749	0.04927405	8.05E-03	3.73E-03
905	437646.1	3762739	0.04456113	7.28E-03	3.38E-03
906	437646.1	3762730	0.03986496	6.51E-03	3.02E-03
907	437642	3762903	0.0446021	7.29E-03	3.38E-03
908	437656	3762828	0.06241097	1.02E-02	4.73E-03
909	437656	3762818	0.06235065	1.02E-02	4.72E-03
910	437656	3762808	0.06157657	1.01E-02	4.67E-03
911	437656	3762798	0.06027376	9.85E-03	4.57E-03
912	437656	3762789	0.05824728	9.52E-03	4.41E-03
913	437656.1	3762779	0.05553643	9.07E-03	4.21E-03
914	437656.1	3762769	0.05216542	8.52E-03	3.95E-03
915	437656.1	3762759	0.04839223	7.91E-03	3.67E-03
916	437656.1	3762749	0.04435807	7.25E-03	3.36E-03
917	437656.1	3762739	0.04022787	6.57E-03	3.05E-03
918	437656.1	3762730	0.03614957	5.91E-03	2.74E-03
919	437663.4	3762899	0.04137747	6.76E-03	3.14E-03
920	437658.3	3762915	0.03602021	5.88E-03	2.73E-03
921	437676	3762828	0.05118707	8.36E-03	3.88E-03
922	437676	3762818	0.05091882	8.32E-03	3.86E-03
923	437676	3762808	0.05010144	8.18E-03	3.80E-03
924	437676	3762798	0.04877533	7.97E-03	3.70E-03
925	437676	3762789	0.04695463	7.67E-03	3.56E-03
926	437676.1	3762779	0.04469572	7.30E-03	3.39E-03
927	437676.1	3762769	0.04206737	6.87E-03	3.19E-03
928	437676.1	3762759	0.03919312	6.40E-03	2.97E-03
929	437676.1	3762749	0.03616435	5.91E-03	2.74E-03
930	437676.1	3762740	0.03307993	5.40E-03	2.51E-03

931	437676.1	3762730	0.03003844	4.91E-03	2.28E-03
932	437676.1	3762720	0.02712331	4.43E-03	2.06E-03
933	437680.3	3762909	0.03436759	5.61E-03	2.60E-03
934	437677.7	3762917	0.03226161	5.27E-03	2.44E-03
935	437696	3762838	0.04227146	6.91E-03	3.20E-03
936	437696	3762828	0.04228063	6.91E-03	3.20E-03
937	437696	3762818	0.04186562	6.84E-03	3.17E-03
938	437696	3762808	0.0410489	6.71E-03	3.11E-03
939	437696	3762798	0.03985028	6.51E-03	3.02E-03
940	437696	3762789	0.03831728	6.26E-03	2.90E-03
941	437696.1	3762779	0.03649686	5.96E-03	2.77E-03
942	437696.1	3762769	0.03444644	5.63E-03	2.61E-03
943	437696.1	3762759	0.03223804	5.27E-03	2.44E-03
944	437696.1	3762749	0.02993321	4.89E-03	2.27E-03
945	437696.1	3762740	0.02760846	4.51E-03	2.09E-03
946	437696.1	3762730	0.02530962	4.13E-03	1.92E-03
947	437696.1	3762720	0.0230914	3.77E-03	1.75E-03
948	437702.5	3762902	0.03194126	5.22E-03	2.42E-03
949	437699.9	3762910	0.03055127	4.99E-03	2.32E-03
950	437697.2	3762919	0.02896608	4.73E-03	2.19E-03
951	437716	3762838	0.03546407	5.79E-03	2.69E-03
952	437716	3762828	0.03530619	5.77E-03	2.68E-03
953	437716	3762818	0.03483703	5.69E-03	2.64E-03
954	437716	3762808	0.03407782	5.57E-03	2.58E-03
955	437716	3762798	0.03304653	5.40E-03	2.50E-03
956	437716	3762789	0.03178123	5.19E-03	2.41E-03
957	437716.1	3762779	0.03031763	4.95E-03	2.30E-03
958	437716.1	3762769	0.02869615	4.69E-03	2.17E-03
959	437716.1	3762759	0.02696907	4.41E-03	2.04E-03
960	437716.1	3762749	0.0251783	4.11E-03	1.91E-03
961	437716.1	3762740	0.0233835	3.82E-03	1.77E-03
962	437716.1	3762730	0.02160386	3.53E-03	1.64E-03
963	437716.1	3762720	0.01987659	3.25E-03	1.51E-03
964	437736	3762838	0.03008398	4.91E-03	2.28E-03
965	437736	3762828	0.02983753	4.87E-03	2.26E-03
966	437736	3762818	0.02935995	4.80E-03	2.22E-03
967	437736	3762808	0.02867267	4.68E-03	2.17E-03
968	437736	3762798	0.02779141	4.54E-03	2.11E-03
969	437736	3762789	0.02674338	4.37E-03	2.03E-03
970	437736.1	3762779	0.02555505	4.17E-03	1.94E-03
971	437736.1	3762769	0.02425625	3.96E-03	1.84E-03
972	437736.1	3762759	0.02288348	3.74E-03	1.73E-03
973	437736.1	3762749	0.02146627	3.51E-03	1.63E-03
974	437736.1	3762740	0.02005487	3.28E-03	1.52E-03
975	437736.1	3762730	0.01865141	3.05E-03	1.41E-03
976	437736.1	3762720	0.01728154	2.82E-03	1.31E-03
977	437744.8	3762894	0.02567645	4.19E-03	1.95E-03
978	437742	3762903	0.02512545	4.10E-03	1.90E-03
979	437739.2	3762913	0.02440965	3.99E-03	1.85E-03
980	437736.4	3762922	0.02353128	3.84E-03	1.78E-03
981	437756	3762838	0.02579804	4.21E-03	1.95E-03
982	437756	3762828	0.02550978	4.17E-03	1.93E-03

983	437756	3762818	0.02505699	4.09E-03	1.90E-03
984	437756	3762808	0.0244234	3.99E-03	1.85E-03
985	437756	3762798	0.02366981	3.87E-03	1.79E-03
986	437756	3762789	0.02279434	3.72E-03	1.73E-03
987	437756.1	3762779	0.02181767	3.56E-03	1.65E-03
988	437756.1	3762769	0.02076132	3.39E-03	1.57E-03
989	437756.1	3762759	0.01965193	3.21E-03	1.49E-03
990	437756.1	3762749	0.01851672	3.02E-03	1.40E-03
991	437756.1	3762740	0.01739172	2.84E-03	1.32E-03
992	437756.1	3762730	0.01627064	2.66E-03	1.23E-03
993	437756.1	3762720	0.01516901	2.48E-03	1.15E-03
994	437764.6	3762895	0.02274346	3.72E-03	1.72E-03
995	437761.8	3762904	0.02239094	3.66E-03	1.70E-03
996	437758.9	3762913	0.02188053	3.57E-03	1.66E-03
997	437756.1	3762923	0.02122271	3.47E-03	1.61E-03
998	437753.3	3762932	0.02044359	3.34E-03	1.55E-03
999	437750.4	3762942	0.01956953	3.20E-03	1.48E-03
1000	437747.6	3762951	0.01860362	3.04E-03	1.41E-03
1001	437744.7	3762960	0.01756896	2.87E-03	1.33E-03
1002	437741.9	3762970	0.01650484	2.70E-03	1.25E-03
1003	437782.5	3762902	0.02006029	3.28E-03	1.52E-03
1004	437779.9	3762910	0.01980046	3.23E-03	1.50E-03
1005	437777.2	3762919	0.01942343	3.17E-03	1.47E-03
1006	437774.5	3762928	0.01893528	3.09E-03	1.43E-03
1007	437771.8	3762937	0.01835548	3.00E-03	1.39E-03
1008	437769.1	3762946	0.01769168	2.89E-03	1.34E-03
1009	437766.5	3762955	0.01695361	2.77E-03	1.28E-03
1010	437763.8	3762964	0.01615447	2.64E-03	1.22E-03
1011	437761.1	3762972	0.01531165	2.50E-03	1.16E-03
1012	437758.4	3762981	0.01444572	2.36E-03	1.09E-03
1013	437796	3762848	0.01965445	3.21E-03	1.49E-03
1014	437796	3762838	0.01947422	3.18E-03	1.48E-03
1015	437796	3762828	0.01918838	3.13E-03	1.45E-03
1016	437794.2	3762929	0.01720063	2.81E-03	1.30E-03
1017	437791.4	3762938	0.01676804	2.74E-03	1.27E-03
1018	437788.7	3762947	0.01625361	2.66E-03	1.23E-03
1019	437786	3762956	0.01566857	2.56E-03	1.19E-03
1020	437783.3	3762965	0.01502366	2.45E-03	1.14E-03
1021	437780.5	3762974	0.01432937	2.34E-03	1.09E-03
1022	437777.8	3762983	0.01359823	2.22E-03	1.03E-03
1023	437775.1	3762992	0.01284183	2.10E-03	9.73E-04
1024	437816	3762848	0.01732877	2.83E-03	1.31E-03
1025	437816	3762838	0.0171417	2.80E-03	1.30E-03
1026	437816	3762828	0.01685755	2.75E-03	1.28E-03
1027	437816	3762818	0.01650204	2.70E-03	1.25E-03
1028	437816	3762808	0.01604803	2.62E-03	1.22E-03
1029	437816	3762799	0.01552574	2.54E-03	1.18E-03
1030	437816	3762789	0.01495042	2.44E-03	1.13E-03
1031	437816.1	3762779	0.01434228	2.34E-03	1.09E-03
1032	437816.1	3762769	0.01377622	2.25E-03	1.04E-03
1033	437816.1	3762759	0.01318986	2.15E-03	9.99E-04
1034	437816.1	3762750	0.01259135	2.06E-03	9.54E-04

1035	437816.1	3762740	0.01197413	1.96E-03	9.07E-04
1036	437816.1	3762730	0.01133773	1.85E-03	8.59E-04
1037	437816.1	3762720	0.01070872	1.75E-03	8.11E-04
1038	437800.1	3762976	0.01340761	2.19E-03	1.02E-03
1039	437797.3	3762985	0.01279328	2.09E-03	9.69E-04
1040	437794.5	3762994	0.01214548	1.98E-03	9.20E-04
1041	437791.8	3763003	0.01146765	1.87E-03	8.69E-04
1042	437836	3762848	0.01536402	2.51E-03	1.16E-03
1043	437836	3762838	0.01517359	2.48E-03	1.15E-03
1044	437836	3762828	0.01491217	2.44E-03	1.13E-03
1045	437836	3762818	0.01458836	2.38E-03	1.11E-03
1046	437836	3762808	0.01421788	2.32E-03	1.08E-03
1047	437836	3762799	0.01379099	2.25E-03	1.05E-03
1048	437836	3762789	0.01329883	2.17E-03	1.01E-03
1049	437836.1	3762779	0.01277935	2.09E-03	9.68E-04
1050	437836.1	3762769	0.01230242	2.01E-03	9.32E-04
1051	437836.1	3762759	0.01180857	1.93E-03	8.95E-04
1052	437836.1	3762750	0.01126889	1.84E-03	8.54E-04
1053	437836.1	3762740	0.0107249	1.75E-03	8.13E-04
1054	437836.1	3762730	0.01018391	1.66E-03	7.72E-04
1055	437836.1	3762720	0.009647692	1.58E-03	7.31E-04
1056	437844.8	3762894	0.01455272	2.38E-03	1.10E-03
1057	437842	3762904	0.01454721	2.38E-03	1.10E-03
1058	437839.2	3762913	0.01451204	2.37E-03	1.10E-03
1059	437836.4	3762922	0.01441112	2.35E-03	1.09E-03
1060	437833.6	3762931	0.01424584	2.33E-03	1.08E-03
1061	437830.8	3762940	0.01402754	2.29E-03	1.06E-03
1062	437828	3762950	0.01374881	2.25E-03	1.04E-03
1063	437825.2	3762959	0.01341369	2.19E-03	1.02E-03
1064	437822.4	3762968	0.01300635	2.12E-03	9.86E-04
1065	437819.6	3762977	0.01254028	2.05E-03	9.50E-04
1066	437816.8	3762986	0.01202332	1.96E-03	9.11E-04
1067	437856	3762848	0.01369531	2.24E-03	1.04E-03
1068	437856	3762838	0.01350871	2.21E-03	1.02E-03
1069	437856	3762828	0.0132703	2.17E-03	1.01E-03
1070	437856	3762818	0.01298315	2.12E-03	9.84E-04
1071	437856	3762808	0.01265401	2.07E-03	9.59E-04
1072	437856	3762799	0.01228858	2.01E-03	9.31E-04
1073	437856	3762789	0.01189603	1.94E-03	9.01E-04
1074	437856.1	3762779	0.011477	1.87E-03	8.70E-04
1075	437856.1	3762769	0.01103693	1.80E-03	8.36E-04
1076	437856.1	3762759	0.0105861	1.73E-03	8.02E-04
1077	437856.1	3762750	0.01012602	1.65E-03	7.67E-04
1078	437856.1	3762740	0.009662563	1.58E-03	7.32E-04
1079	437856.1	3762730	0.0091978	1.50E-03	6.97E-04
1080	437856.1	3762720	0.008737152	1.43E-03	6.62E-04
1081	437874.9	3762894	0.01248248	2.04E-03	9.46E-04
1082	437872.1	3762903	0.01252288	2.05E-03	9.49E-04
1083	437869.4	3762912	0.01253242	2.05E-03	9.50E-04
1084	437866.6	3762921	0.01249529	2.04E-03	9.47E-04
1085	437863.8	3762930	0.01241092	2.03E-03	9.40E-04
1086	437861.1	3762940	0.01229036	2.01E-03	9.31E-04

1087	437858.3	3762949	0.01211442	1.98E-03	9.18E-04
1088	437855.5	3762958	0.01188705	1.94E-03	9.01E-04
1089	437852.8	3762967	0.01163105	1.90E-03	8.81E-04
1090	437850	3762976	0.01134016	1.85E-03	8.59E-04
1091	437847.2	3762985	0.01101252	1.80E-03	8.34E-04
1092	437844.5	3762994	0.01063942	1.74E-03	8.06E-04
1093	437841.7	3763003	0.01022694	1.67E-03	7.75E-04
1094	437838.9	3763013	0.009788832	1.60E-03	7.42E-04
1095	437836.2	3763022	0.00933258	1.52E-03	7.07E-04
1096	437833.4	3763031	0.008872681	1.45E-03	6.72E-04
1097	437886	3762848	0.01162993	1.90E-03	8.81E-04
1098	437886	3762838	0.01146063	1.87E-03	8.68E-04
1099	437886	3762828	0.01125177	1.84E-03	8.53E-04
1100	437886	3762818	0.0110084	1.80E-03	8.34E-04
1101	437886	3762808	0.01073669	1.75E-03	8.14E-04
1102	437886	3762799	0.01044702	1.71E-03	7.92E-04
1103	437886	3762789	0.01013462	1.66E-03	7.68E-04
1104	437886.1	3762779	0.009801271	1.60E-03	7.43E-04
1105	437886.1	3762769	0.009447719	1.54E-03	7.16E-04
1106	437886.1	3762759	0.009083597	1.48E-03	6.88E-04
1107	437886.1	3762750	0.008711806	1.42E-03	6.60E-04
1108	437886.1	3762740	0.008339546	1.36E-03	6.32E-04
1109	437886.1	3762730	0.007966164	1.30E-03	6.04E-04
1110	437886.1	3762720	0.007595588	1.24E-03	5.76E-04
1111	437905	3762894	0.01078	1.76E-03	8.17E-04
1112	437902.2	3762903	0.01085632	1.77E-03	8.23E-04
1113	437899.5	3762912	0.01090552	1.78E-03	8.26E-04
1114	437896.7	3762921	0.01091552	1.78E-03	8.27E-04
1115	437872.1	3763002	0.009475404	1.55E-03	7.18E-04
1116	437869.3	3763011	0.009164222	1.50E-03	6.94E-04
1117	437866.6	3763020	0.008829095	1.44E-03	6.69E-04
1118	437916	3762848	0.009974307	1.63E-03	7.56E-04
1119	437916	3762838	0.009821943	1.60E-03	7.44E-04
1120	437916	3762828	0.009643109	1.58E-03	7.31E-04
1121	437916	3762818	0.009439208	1.54E-03	7.15E-04
1122	437916	3762809	0.009214917	1.51E-03	6.98E-04
1123	437916	3762799	0.008977157	1.47E-03	6.80E-04
1124	437916	3762789	0.008721719	1.42E-03	6.61E-04
1125	437916.1	3762779	0.008450569	1.38E-03	6.40E-04
1126	437916.1	3762769	0.008162864	1.33E-03	6.19E-04
1127	437916.1	3762759	0.007867207	1.29E-03	5.96E-04
1128	437916.1	3762750	0.007565658	1.24E-03	5.73E-04
1129	437916.1	3762740	0.007262052	1.19E-03	5.50E-04
1130	437916.1	3762730	0.00695751	1.14E-03	5.27E-04
1131	437916.1	3762720	0.006654932	1.09E-03	5.04E-04
1132	437934.6	3762895	0.00936859	1.53E-03	7.10E-04
1133	437931.7	3762904	0.009456605	1.54E-03	7.17E-04
1134	437928.9	3762914	0.009529373	1.56E-03	7.22E-04
1135	437926.1	3762923	0.009571837	1.56E-03	7.25E-04
1136	437914.7	3762961	0.009425364	1.54E-03	7.14E-04
1137	437911.8	3762970	0.009313312	1.52E-03	7.06E-04
1138	437909	3762979	0.009167309	1.50E-03	6.95E-04

1139	437906.2	3762989	0.008990906	1.47E-03	6.81E-04
1140	437903.3	3762998	0.008802345	1.44E-03	6.67E-04
1141	437900.5	3763008	0.008585537	1.40E-03	6.51E-04
1142	437889.1	3763045	0.007467917	1.22E-03	5.66E-04
1143	437886.3	3763054	0.007143733	1.17E-03	5.41E-04
1144	437883.4	3763064	0.006803649	1.11E-03	5.16E-04
1145	437946	3762848	0.008644274	1.41E-03	6.55E-04
1146	437946	3762838	0.008508559	1.39E-03	6.45E-04
1147	437946	3762828	0.00835264	1.36E-03	6.33E-04
1148	437946	3762818	0.008177922	1.34E-03	6.20E-04
1149	437946	3762809	0.00798777	1.30E-03	6.05E-04
1150	437946	3762799	0.007785833	1.27E-03	5.90E-04
1151	437946	3762789	0.007571551	1.24E-03	5.74E-04
1152	437946.1	3762779	0.007346231	1.20E-03	5.57E-04
1153	437946.1	3762769	0.00710978	1.16E-03	5.39E-04
1154	437946.1	3762760	0.006867718	1.12E-03	5.20E-04
1155	437946.1	3762750	0.006620699	1.08E-03	5.02E-04
1156	437946.1	3762740	0.006373025	1.04E-03	4.83E-04
1157	437946.1	3762730	0.006124229	1.00E-03	4.64E-04
1158	437946.1	3762720	0.005876461	9.60E-04	4.45E-04
1159	437945	3762960	0.008442339	1.38E-03	6.40E-04
1160	437942.2	3762969	0.008389493	1.37E-03	6.36E-04
1161	437939.3	3762978	0.008310738	1.36E-03	6.30E-04
1162	437936.5	3762988	0.008205326	1.34E-03	6.22E-04
1163	437933.7	3762997	0.008075597	1.32E-03	6.12E-04
1164	437930.9	3763006	0.007924168	1.29E-03	6.00E-04
1165	437919.6	3763043	0.007086117	1.16E-03	5.37E-04
1166	437916.8	3763053	0.006832457	1.12E-03	5.18E-04
1167	437914	3763062	0.006564579	1.07E-03	4.97E-04
1168	437911.2	3763071	0.00628763	1.03E-03	4.76E-04
1169	437908.4	3763081	0.006003946	9.81E-04	4.55E-04
1170	437992	3762904	0.007327431	1.20E-03	5.55E-04
1171	437989.2	3762913	0.00741956	1.21E-03	5.62E-04
1172	437986.4	3762922	0.007490925	1.22E-03	5.68E-04
1173	437983.6	3762931	0.007541246	1.23E-03	5.71E-04
1174	437980.8	3762941	0.007578191	1.24E-03	5.74E-04
1175	437978	3762950	0.007596524	1.24E-03	5.76E-04
1176	437975.2	3762959	0.00759615	1.24E-03	5.76E-04
1177	437950.1	3763042	0.006647543	1.09E-03	5.04E-04
1178	437947.3	3763051	0.006448412	1.05E-03	4.89E-04
1179	437944.5	3763060	0.006239554	1.02E-03	4.73E-04
1180	437941.7	3763070	0.006020033	9.83E-04	4.56E-04
1181	437938.9	3763079	0.005792375	9.46E-04	4.39E-04
1182	437936.1	3763088	0.005558076	9.08E-04	4.21E-04
1183	437933.3	3763097	0.005319475	8.69E-04	4.03E-04
1184	438006	3762838	0.006506589	1.06E-03	4.93E-04
1185	438006	3762828	0.006410345	1.05E-03	4.86E-04
1186	438006	3762818	0.006295206	1.03E-03	4.77E-04
1187	438006	3762809	0.006158555	1.01E-03	4.67E-04
1188	438006	3762799	0.006013392	9.82E-04	4.56E-04
1189	438006	3762789	0.005860934	9.57E-04	4.44E-04
1190	438006.1	3762779	0.005701929	9.31E-04	4.32E-04

1191	438006.1	3762769	0.005535629	9.04E-04	4.19E-04
1192	438006.1	3762760	0.005365773	8.77E-04	4.07E-04
1193	438006.1	3762750	0.005193112	8.48E-04	3.94E-04
1194	438006.1	3762740	0.005020826	8.20E-04	3.80E-04
1195	438006.1	3762730	0.004847697	7.92E-04	3.67E-04
1196	438006.1	3762720	0.004674942	7.64E-04	3.54E-04
1197	438022.1	3762903	0.006530253	1.07E-03	4.95E-04
1198	438019.3	3762913	0.006623224	1.08E-03	5.02E-04
1199	438016.5	3762922	0.006703569	1.10E-03	5.08E-04
1200	438013.8	3762931	0.006768293	1.11E-03	5.13E-04
1201	438011	3762940	0.006810664	1.11E-03	5.16E-04
1202	438008.2	3762949	0.006837788	1.12E-03	5.18E-04
1203	438005.4	3762958	0.006849199	1.12E-03	5.19E-04
1204	438002.7	3762968	0.006850228	1.12E-03	5.19E-04
1205	437999.9	3762977	0.006836665	1.12E-03	5.18E-04
1206	437997.1	3762986	0.006804958	1.11E-03	5.16E-04
1207	437994.3	3762995	0.006752954	1.10E-03	5.12E-04
1208	437991.6	3763004	0.006681027	1.09E-03	5.06E-04
1209	437988.8	3763013	0.0065932	1.08E-03	5.00E-04
1210	437986	3763022	0.006483767	1.06E-03	4.91E-04
1211	437983.2	3763032	0.006344497	1.04E-03	4.81E-04
1212	437980.5	3763041	0.006194565	1.01E-03	4.69E-04
1213	437977.7	3763050	0.006035373	9.86E-04	4.57E-04
1214	437974.9	3763059	0.005877302	9.60E-04	4.45E-04
1215	438036	3762838	0.005795087	9.47E-04	4.39E-04
1216	438036	3762828	0.005697813	9.31E-04	4.32E-04
1217	438036	3762819	0.005585013	9.12E-04	4.23E-04
1218	438036	3762809	0.005467069	8.93E-04	4.14E-04
1219	438036	3762799	0.005342577	8.73E-04	4.05E-04
1220	438036	3762789	0.00521238	8.52E-04	3.95E-04
1221	438036.1	3762779	0.005076945	8.29E-04	3.85E-04
1222	438036.1	3762769	0.004936179	8.06E-04	3.74E-04
1223	438036.1	3762760	0.004792512	7.83E-04	3.63E-04
1224	438036.1	3762750	0.004646508	7.59E-04	3.52E-04
1225	438036.1	3762740	0.004500223	7.35E-04	3.41E-04
1226	438036.1	3762730	0.004353097	7.11E-04	3.30E-04
1227	438036.1	3762720	0.004206157	6.87E-04	3.19E-04
1228	438052.2	3762903	0.005853919	9.56E-04	4.44E-04
1229	438049.4	3762912	0.005935854	9.70E-04	4.50E-04
1230	438046.6	3762921	0.006009651	9.82E-04	4.55E-04
1231	438035.6	3762958	0.006182406	1.01E-03	4.68E-04
1232	438032.9	3762967	0.00619578	1.01E-03	4.69E-04
1233	438030.1	3762976	0.00619709	1.01E-03	4.70E-04
1234	438027.3	3762985	0.006182686	1.01E-03	4.68E-04
1235	438024.6	3762994	0.006152475	1.01E-03	4.66E-04
1236	438021.8	3763003	0.006106831	9.98E-04	4.63E-04
1237	438019.1	3763012	0.006048841	9.88E-04	4.58E-04
1238	438016.3	3763021	0.005974857	9.76E-04	4.53E-04
1239	438013.6	3763031	0.005868885	9.59E-04	4.45E-04
1240	438010.8	3763040	0.00574907	9.39E-04	4.36E-04
1241	438008	3763049	0.00564263	9.22E-04	4.28E-04
1242	438005.3	3763058	0.005519634	9.02E-04	4.18E-04

1243	438002.5	3763067	0.005388876	8.80E-04	4.08E-04
1244	437999.8	3763076	0.005248483	8.57E-04	3.98E-04
1245	437997	3763085	0.005104724	8.34E-04	3.87E-04
1246	437994.3	3763094	0.004955353	8.10E-04	3.75E-04
1247	437991.5	3763103	0.004799247	7.84E-04	3.64E-04
1248	437988.8	3763112	0.004637529	7.58E-04	3.51E-04
1249	437986	3763121	0.004470948	7.30E-04	3.39E-04
1250	437983.2	3763131	0.004299783	7.02E-04	3.26E-04
1251	438066	3762838	0.005170665	8.45E-04	3.92E-04
1252	438066	3762828	0.005084802	8.31E-04	3.85E-04
1253	438066	3762819	0.00498706	8.15E-04	3.78E-04
1254	438066	3762809	0.004885297	7.98E-04	3.70E-04
1255	438066	3762799	0.004777641	7.81E-04	3.62E-04
1256	438066	3762789	0.004665495	7.62E-04	3.54E-04
1257	438066.1	3762779	0.004549328	7.43E-04	3.45E-04
1258	438066.1	3762770	0.004429513	7.24E-04	3.36E-04
1259	438066.1	3762760	0.004307359	7.04E-04	3.26E-04
1260	438066.1	3762750	0.004183242	6.83E-04	3.17E-04
1261	438066.1	3762740	0.004057347	6.63E-04	3.07E-04
1262	438066.1	3762730	0.003930891	6.42E-04	2.98E-04
1263	438066.1	3762720	0.003804529	6.22E-04	2.88E-04
1264	438081.8	3762904	0.005275046	8.62E-04	4.00E-04
1265	438079	3762914	0.005352024	8.74E-04	4.06E-04
1266	438076.1	3762923	0.005417496	8.85E-04	4.11E-04
1267	438067.7	3762951	0.005550313	9.07E-04	4.21E-04
1268	438064.8	3762960	0.005573883	9.11E-04	4.22E-04
1269	438062	3762970	0.005586323	9.13E-04	4.23E-04
1270	438059.2	3762979	0.005589223	9.13E-04	4.24E-04
1271	438056.4	3762988	0.005583611	9.12E-04	4.23E-04
1272	438053.5	3762998	0.005566307	9.09E-04	4.22E-04
1273	438050.7	3763007	0.005537218	9.05E-04	4.20E-04
1274	438039.4	3763044	0.005289732	8.64E-04	4.01E-04
1275	438036.6	3763054	0.005195918	8.49E-04	3.94E-04
1276	438033.7	3763063	0.00509827	8.33E-04	3.86E-04
1277	438030.9	3763072	0.004988931	8.15E-04	3.78E-04
1278	438028.1	3763082	0.004872296	7.96E-04	3.69E-04
1279	438025.2	3763091	0.004754538	7.77E-04	3.60E-04
1280	438022.4	3763100	0.004627708	7.56E-04	3.51E-04
1281	438019.6	3763110	0.004493302	7.34E-04	3.40E-04
1282	438016.8	3763119	0.004353564	7.11E-04	3.30E-04
1283	438013.9	3763128	0.004208776	6.88E-04	3.19E-04
1284	438011.1	3763138	0.00406034	6.63E-04	3.08E-04
1285	438008.3	3763147	0.003909939	6.39E-04	2.96E-04
1286	438096	3762838	0.004644731	7.59E-04	3.52E-04
1287	438096	3762828	0.004564106	7.46E-04	3.46E-04
1288	438096	3762819	0.004480488	7.32E-04	3.40E-04
1289	438096	3762809	0.004392006	7.18E-04	3.33E-04
1290	438096	3762799	0.004298287	7.02E-04	3.26E-04
1291	438096	3762789	0.004200826	6.86E-04	3.18E-04
1292	438096.1	3762779	0.004100278	6.70E-04	3.11E-04
1293	438096.1	3762770	0.003995803	6.53E-04	3.03E-04
1294	438096.1	3762760	0.003889643	6.35E-04	2.95E-04

1295	438096.1	3762750	0.003781987	6.18E-04	2.87E-04
1296	438096.1	3762740	0.003674518	6.00E-04	2.78E-04
1297	438096.1	3762730	0.003566395	5.83E-04	2.70E-04
1298	438096.1	3762721	0.003458271	5.65E-04	2.62E-04
1299	438111.9	3762904	0.004752668	7.76E-04	3.60E-04
1300	438109.1	3762913	0.004823378	7.88E-04	3.65E-04
1301	438106.3	3762923	0.004886513	7.98E-04	3.70E-04
1302	438097.9	3762951	0.005025502	8.21E-04	3.81E-04
1303	438095	3762960	0.005053936	8.26E-04	3.83E-04
1304	438092.2	3762969	0.005072362	8.29E-04	3.84E-04
1305	438089.4	3762978	0.00508237	8.30E-04	3.85E-04
1306	438086.6	3762988	0.005084708	8.31E-04	3.85E-04
1307	438083.8	3762997	0.00507788	8.30E-04	3.85E-04
1308	438081	3763006	0.005061419	8.27E-04	3.84E-04
1309	438078.2	3763015	0.005035323	8.23E-04	3.82E-04
1310	438069.8	3763043	0.004895211	8.00E-04	3.71E-04
1311	438066.9	3763052	0.004848819	7.92E-04	3.67E-04
1312	438064.1	3763062	0.004782318	7.81E-04	3.62E-04
1313	438061.3	3763071	0.004686914	7.66E-04	3.55E-04
1314	438058.5	3763080	0.004603203	7.52E-04	3.49E-04
1315	438055.7	3763090	0.004510606	7.37E-04	3.42E-04
1316	438052.9	3763099	0.004410525	7.21E-04	3.34E-04
1317	438126	3762838	0.004189321	6.84E-04	3.17E-04
1318	438126	3762828	0.004117582	6.73E-04	3.12E-04
1319	438126	3762819	0.004041446	6.60E-04	3.06E-04
1320	438126	3762809	0.003961944	6.47E-04	3.00E-04
1321	438126	3762799	0.003880009	6.34E-04	2.94E-04
1322	438126	3762789	0.003795269	6.20E-04	2.88E-04
1323	438126.1	3762779	0.003707816	6.06E-04	2.81E-04
1324	438126.1	3762770	0.003617276	5.91E-04	2.74E-04
1325	438126.1	3762760	0.00352524	5.76E-04	2.67E-04
1326	438126.1	3762750	0.003432082	5.61E-04	2.60E-04
1327	438126.1	3762740	0.003339298	5.46E-04	2.53E-04
1328	438126.1	3762730	0.003245952	5.30E-04	2.46E-04
1329	438126.1	3762721	0.00315242	5.15E-04	2.39E-04
1330	438142	3762904	0.00429866	7.02E-04	3.26E-04
1331	438139.2	3762913	0.004367501	7.13E-04	3.31E-04
1332	438136.4	3762922	0.00442811	7.23E-04	3.36E-04
1333	438116.8	3762987	0.004658106	7.61E-04	3.53E-04
1334	438114.1	3762996	0.004661661	7.62E-04	3.53E-04
1335	438111.3	3763005	0.0046582	7.61E-04	3.53E-04
1336	438108.5	3763015	0.004645853	7.59E-04	3.52E-04
1337	438100.1	3763042	0.004562797	7.45E-04	3.46E-04
1338	438097.3	3763051	0.004519304	7.38E-04	3.42E-04
1339	438094.5	3763061	0.004467768	7.30E-04	3.39E-04
1340	438091.7	3763070	0.004408468	7.20E-04	3.34E-04
1341	438088.9	3763079	0.00434206	7.09E-04	3.29E-04
1342	438086.1	3763088	0.004269666	6.98E-04	3.24E-04
1343	438083.3	3763097	0.004191098	6.85E-04	3.18E-04
1344	438072.2	3763134	0.00380668	6.22E-04	2.88E-04
1345	438069.4	3763143	0.003697714	6.04E-04	2.80E-04
1346	438066.6	3763153	0.003587159	5.86E-04	2.72E-04

1347	438063.8	3763162	0.003474172	5.68E-04	2.63E-04
1348	438061	3763171	0.003358565	5.49E-04	2.54E-04
1349	438058.2	3763180	0.00325409	5.32E-04	2.47E-04
1350	438156	3762838	0.003786477	6.19E-04	2.87E-04
1351	438156	3762829	0.0037225	6.08E-04	2.82E-04
1352	438156	3762819	0.003655064	5.97E-04	2.77E-04
1353	438156	3762809	0.003585008	5.86E-04	2.72E-04
1354	438156	3762799	0.003513175	5.74E-04	2.66E-04
1355	438156	3762789	0.003439378	5.62E-04	2.61E-04
1356	438156.1	3762779	0.003363429	5.49E-04	2.55E-04
1357	438156.1	3762770	0.003284394	5.37E-04	2.49E-04
1358	438156.1	3762760	0.003204237	5.23E-04	2.43E-04
1359	438156.1	3762750	0.003123051	5.10E-04	2.37E-04
1360	438156.1	3762740	0.003047102	4.98E-04	2.31E-04
1361	438156.1	3762730	0.002964887	4.84E-04	2.25E-04
1362	438156.1	3762721	0.002882859	4.71E-04	2.18E-04
1363	438181.8	3762905	0.003795924	6.20E-04	2.88E-04
1364	438179	3762914	0.003856439	6.30E-04	2.92E-04
1365	438176.2	3762923	0.003912746	6.39E-04	2.96E-04
1366	438173.4	3762932	0.003964376	6.48E-04	3.00E-04
1367	438170.5	3762942	0.004010674	6.55E-04	3.04E-04
1368	438167.7	3762951	0.004052203	6.62E-04	3.07E-04
1369	438164.9	3762960	0.004088587	6.68E-04	3.10E-04
1370	438162.1	3762970	0.004118985	6.73E-04	3.12E-04
1371	438159.3	3762979	0.004143958	6.77E-04	3.14E-04
1372	438156.4	3762988	0.004163132	6.80E-04	3.15E-04
1373	438153.6	3762998	0.004176694	6.82E-04	3.16E-04
1374	438150.8	3763007	0.004183803	6.83E-04	3.17E-04
1375	438148	3763016	0.004183896	6.84E-04	3.17E-04
1376	438145.1	3763026	0.004177536	6.82E-04	3.17E-04
1377	438142.3	3763035	0.004164909	6.80E-04	3.16E-04
1378	438139.5	3763044	0.004145361	6.77E-04	3.14E-04
1379	438111.3	3763137	0.003563027	5.82E-04	2.70E-04
1380	438108.5	3763147	0.003472862	5.67E-04	2.63E-04
1381	438105.6	3763156	0.003396353	5.55E-04	2.57E-04
1382	438102.8	3763165	0.003300388	5.39E-04	2.50E-04
1383	438100	3763174	0.003201057	5.23E-04	2.43E-04
1384	438097.2	3763184	0.003098358	5.06E-04	2.35E-04
1385	438094.3	3763193	0.002993789	4.89E-04	2.27E-04
1386	438091.5	3763202	0.002888284	4.72E-04	2.19E-04
1387	438196	3762838	0.003329009	5.44E-04	2.52E-04
1388	438196	3762829	0.003273919	5.35E-04	2.48E-04
1389	438196	3762819	0.003216303	5.25E-04	2.44E-04
1390	438196	3762809	0.003156816	5.16E-04	2.39E-04
1391	438196	3762799	0.003097423	5.06E-04	2.35E-04
1392	438196	3762789	0.00303644	4.96E-04	2.30E-04
1393	438196.1	3762780	0.00297396	4.86E-04	2.25E-04
1394	438196.1	3762770	0.002907271	4.75E-04	2.20E-04
1395	438196.1	3762760	0.002839928	4.64E-04	2.15E-04
1396	438196.1	3762750	0.002771649	4.53E-04	2.10E-04
1397	438196.1	3762740	0.00270627	4.42E-04	2.05E-04
1398	438196.1	3762730	0.00264033	4.31E-04	2.00E-04

1399	438196.1	3762721	0.002574669	4.21E-04	1.95E-04
1400	438222	3762904	0.003348651	5.47E-04	2.54E-04
1401	438219.3	3762913	0.003408325	5.57E-04	2.58E-04
1402	438216.5	3762922	0.003464444	5.66E-04	2.63E-04
1403	438213.7	3762931	0.00351093	5.74E-04	2.66E-04
1404	438210.9	3762941	0.003554048	5.81E-04	2.69E-04
1405	438208.2	3762950	0.003593613	5.87E-04	2.72E-04
1406	438205.4	3762959	0.003629529	5.93E-04	2.75E-04
1407	438202.6	3762968	0.003661424	5.98E-04	2.77E-04
1408	438199.8	3762977	0.003689109	6.03E-04	2.80E-04
1409	438197	3762986	0.003712305	6.06E-04	2.81E-04
1410	438194.3	3762996	0.003731012	6.10E-04	2.83E-04
1411	438191.5	3763005	0.003744948	6.12E-04	2.84E-04
1412	438188.7	3763014	0.003754021	6.13E-04	2.84E-04
1413	438185.9	3763023	0.003757949	6.14E-04	2.85E-04
1414	438183.1	3763032	0.003756827	6.14E-04	2.85E-04
1415	438180.4	3763041	0.003750373	6.13E-04	2.84E-04
1416	438177.6	3763051	0.003736811	6.10E-04	2.83E-04
1417	438174.8	3763060	0.003720162	6.08E-04	2.82E-04
1418	438172	3763069	0.003697527	6.04E-04	2.80E-04
1419	438169.2	3763078	0.003669	5.99E-04	2.78E-04
1420	438166.5	3763087	0.003633551	5.94E-04	2.75E-04
1421	438163.7	3763096	0.003592303	5.87E-04	2.72E-04
1422	438160.9	3763106	0.003546192	5.79E-04	2.69E-04
1423	438158.1	3763115	0.003492597	5.71E-04	2.65E-04
1424	438155.3	3763124	0.003431427	5.61E-04	2.60E-04
1425	438152.6	3763133	0.0033653	5.50E-04	2.55E-04
1426	438149.8	3763142	0.003295244	5.38E-04	2.50E-04
1427	438147	3763151	0.003241369	5.30E-04	2.46E-04
1428	438144.2	3763161	0.003168507	5.18E-04	2.40E-04
1429	438141.4	3763170	0.003092185	5.05E-04	2.34E-04
1430	438138.7	3763179	0.003015488	4.93E-04	2.29E-04
1431	438135.9	3763188	0.002935331	4.80E-04	2.22E-04
1432	438133.1	3763197	0.002851993	4.66E-04	2.16E-04
1433	438130.3	3763206	0.002768469	4.52E-04	2.10E-04
1434	438127.6	3763216	0.002684102	4.38E-04	2.03E-04
1435	438236	3762838	0.00296021	4.84E-04	2.24E-04
1436	438236	3762829	0.002912696	4.76E-04	2.21E-04
1437	438236	3762819	0.00286303	4.68E-04	2.17E-04
1438	438236	3762809	0.002811774	4.59E-04	2.13E-04
1439	438236	3762799	0.002758929	4.51E-04	2.09E-04
1440	438236	3762789	0.002704586	4.42E-04	2.05E-04
1441	438236.1	3762780	0.002649215	4.33E-04	2.01E-04
1442	438236.1	3762770	0.002592815	4.24E-04	1.96E-04
1443	438236.1	3762760	0.002535667	4.14E-04	1.92E-04
1444	438236.1	3762750	0.002477863	4.05E-04	1.88E-04
1445	438261.9	3762904	0.002974989	4.86E-04	2.25E-04
1446	438259.1	3762914	0.003023626	4.94E-04	2.29E-04
1447	438256.3	3762923	0.003070859	5.02E-04	2.33E-04
1448	438253.5	3762932	0.003115568	5.09E-04	2.36E-04
1449	438250.7	3762941	0.003155319	5.15E-04	2.39E-04
1450	438247.9	3762951	0.0031932	5.22E-04	2.42E-04

1451	438245.1	3762960	0.003228742	5.27E-04	2.45E-04
1452	438242.3	3762969	0.003262414	5.33E-04	2.47E-04
1453	438239.5	3762978	0.003292064	5.38E-04	2.49E-04
1454	438236.7	3762988	0.003317411	5.42E-04	2.51E-04
1455	438233.9	3762997	0.003339204	5.46E-04	2.53E-04
1456	438231	3763006	0.003357069	5.48E-04	2.54E-04
1457	438228.2	3763015	0.003370912	5.51E-04	2.55E-04
1458	438225.4	3763025	0.003381668	5.52E-04	2.56E-04
1459	438222.6	3763034	0.003388309	5.54E-04	2.57E-04
1460	438219.8	3763043	0.003390179	5.54E-04	2.57E-04
1461	438217	3763052	0.003386719	5.53E-04	2.57E-04
1462	438214.2	3763062	0.003377927	5.52E-04	2.56E-04
1463	438211.4	3763071	0.003364739	5.50E-04	2.55E-04
1464	438208.6	3763080	0.003346968	5.47E-04	2.54E-04
1465	438205.8	3763089	0.003321994	5.43E-04	2.52E-04
1466	438203	3763099	0.003292812	5.38E-04	2.50E-04
1467	438200.2	3763108	0.003259141	5.32E-04	2.47E-04
1468	438197.4	3763117	0.003219109	5.26E-04	2.44E-04
1469	438194.6	3763126	0.003174306	5.19E-04	2.41E-04
1470	438191.8	3763136	0.003125482	5.11E-04	2.37E-04
1471	438189	3763145	0.003073478	5.02E-04	2.33E-04
1472	438186.2	3763154	0.003017546	4.93E-04	2.29E-04
1473	438183.3	3763163	0.002972183	4.86E-04	2.25E-04
1474	438180.5	3763173	0.002910545	4.75E-04	2.21E-04
1475	438177.7	3763182	0.002847036	4.65E-04	2.16E-04
1476	438174.9	3763191	0.002781283	4.54E-04	2.11E-04
1477	438172.1	3763201	0.002713472	4.43E-04	2.06E-04
1478	438169.3	3763210	0.002646877	4.32E-04	2.01E-04
1479	438166.5	3763219	0.002578037	4.21E-04	1.95E-04
1480	438163.7	3763228	0.00250742	4.10E-04	1.90E-04
1481	438160.9	3763238	0.002435493	3.98E-04	1.85E-04
1482	438158.1	3763247	0.002362257	3.86E-04	1.79E-04
1483	438276	3762838	0.002649776	4.33E-04	2.01E-04
1484	438276	3762829	0.002613673	4.27E-04	1.98E-04
1485	438276	3762819	0.002576166	4.21E-04	1.95E-04
1486	438276	3762809	0.002536789	4.14E-04	1.92E-04
1487	438276	3762799	0.002491332	4.07E-04	1.89E-04
1488	438276	3762789	0.002444659	3.99E-04	1.85E-04
1489	438276.1	3762780	0.002397238	3.92E-04	1.82E-04
1490	438276.1	3762770	0.002348882	3.84E-04	1.78E-04
1491	438276.1	3762760	0.002299965	3.76E-04	1.74E-04
1492	438276.1	3762750	0.002250486	3.68E-04	1.71E-04
1493	438301.8	3762905	0.002682793	4.38E-04	2.03E-04
1494	438299	3762914	0.002725257	4.45E-04	2.07E-04
1495	438296.1	3762924	0.002764634	4.52E-04	2.09E-04
1496	438293.3	3762933	0.002801205	4.58E-04	2.12E-04
1497	438290.5	3762942	0.00283338	4.63E-04	2.15E-04
1498	438287.6	3762952	0.002863311	4.68E-04	2.17E-04
1499	438284.8	3762961	0.002891464	4.72E-04	2.19E-04
1500	438282	3762970	0.002922143	4.77E-04	2.21E-04
1501	438279.2	3762980	0.002950857	4.82E-04	2.24E-04
1502	438276.3	3762989	0.002977327	4.86E-04	2.26E-04

1503	438273.5	3762998	0.003001458	4.90E-04	2.27E-04
1504	438270.7	3763008	0.003023158	4.94E-04	2.29E-04
1505	438267.8	3763017	0.003041584	4.97E-04	2.30E-04
1506	438265	3763026	0.003054585	4.99E-04	2.31E-04
1507	438262.2	3763036	0.003063845	5.01E-04	2.32E-04
1508	438259.3	3763045	0.003070111	5.02E-04	2.33E-04
1509	438256.5	3763054	0.00307273	5.02E-04	2.33E-04
1510	438253.7	3763064	0.003070953	5.02E-04	2.33E-04
1511	438250.9	3763073	0.003065528	5.01E-04	2.32E-04
1512	438248	3763082	0.003055801	4.99E-04	2.32E-04
1513	438245.2	3763092	0.003040368	4.97E-04	2.30E-04
1514	438242.4	3763101	0.003020726	4.93E-04	2.29E-04
1515	438239.5	3763110	0.002996969	4.90E-04	2.27E-04
1516	438236.7	3763120	0.002969003	4.85E-04	2.25E-04
1517	438233.9	3763129	0.002936921	4.80E-04	2.23E-04
1518	438231	3763138	0.002900817	4.74E-04	2.20E-04
1519	438228.2	3763148	0.002861627	4.67E-04	2.17E-04
1520	438225.4	3763157	0.002819163	4.61E-04	2.14E-04
1521	438222.5	3763166	0.00277352	4.53E-04	2.10E-04
1522	438219.7	3763176	0.002724696	4.45E-04	2.06E-04
1523	438216.9	3763185	0.002685506	4.39E-04	2.03E-04
1524	438214.1	3763194	0.002631818	4.30E-04	1.99E-04
1525	438211.2	3763204	0.002576072	4.21E-04	1.95E-04
1526	438208.4	3763213	0.002519111	4.12E-04	1.91E-04
1527	438205.6	3763222	0.002460373	4.02E-04	1.86E-04
1528	438202.7	3763232	0.002400418	3.92E-04	1.82E-04
1529	438199.9	3763241	0.002340558	3.82E-04	1.77E-04
1530	438197.1	3763250	0.002267135	3.70E-04	1.72E-04
1531	438194.2	3763260	0.002204842	3.60E-04	1.67E-04
1532	438191.4	3763269	0.002138153	3.49E-04	1.62E-04
1533	438316	3762839	0.002385079	3.90E-04	1.81E-04
1534	438316	3762829	0.002354494	3.85E-04	1.78E-04
1535	438316	3762819	0.00232288	3.79E-04	1.76E-04
1536	438316	3762809	0.002287338	3.74E-04	1.73E-04
1537	438316	3762799	0.002248054	3.67E-04	1.70E-04
1538	438316	3762789	0.002207835	3.61E-04	1.67E-04
1539	438316.1	3762780	0.002167148	3.54E-04	1.64E-04
1540	438316.1	3762770	0.002125152	3.47E-04	1.61E-04
1541	438316.1	3762760	0.002082875	3.40E-04	1.58E-04
1542	438316.1	3762750	0.002040225	3.33E-04	1.55E-04
1543	438342	3762904	0.002410146	3.94E-04	1.83E-04
1544	438339.2	3762913	0.002450552	4.00E-04	1.86E-04
1545	438336.4	3762923	0.002489649	4.07E-04	1.89E-04
1546	438333.6	3762932	0.002526594	4.13E-04	1.91E-04
1547	438330.8	3762941	0.002559704	4.18E-04	1.94E-04
1548	438328	3762950	0.002590664	4.23E-04	1.96E-04
1549	438325.2	3762960	0.002619097	4.28E-04	1.98E-04
1550	438322.4	3762969	0.002643883	4.32E-04	2.00E-04
1551	438319.6	3762978	0.002666892	4.36E-04	2.02E-04
1552	438316.8	3762987	0.002688498	4.39E-04	2.04E-04
1553	438314.1	3762996	0.002709356	4.43E-04	2.05E-04
1554	438311.3	3763006	0.00272853	4.46E-04	2.07E-04

1555	438308.5	3763015	0.002745086	4.48E-04	2.08E-04
1556	438305.7	3763024	0.002758929	4.51E-04	2.09E-04
1557	438302.9	3763033	0.002770339	4.53E-04	2.10E-04
1558	438300.1	3763042	0.002779506	4.54E-04	2.11E-04
1559	438297.3	3763052	0.002786708	4.55E-04	2.11E-04
1560	438294.5	3763061	0.002792787	4.56E-04	2.12E-04
1561	438291.7	3763070	0.002795313	4.57E-04	2.12E-04
1562	438288.9	3763079	0.002794377	4.57E-04	2.12E-04
1563	438286.1	3763089	0.002787269	4.55E-04	2.11E-04
1564	438283.3	3763098	0.002777448	4.54E-04	2.10E-04
1565	438280.5	3763107	0.002764915	4.52E-04	2.10E-04
1566	438277.7	3763116	0.002748921	4.49E-04	2.08E-04
1567	438274.9	3763125	0.002729372	4.46E-04	2.07E-04
1568	438272.2	3763135	0.00270627	4.42E-04	2.05E-04
1569	438269.4	3763144	0.002679707	4.38E-04	2.03E-04
1570	438266.6	3763153	0.002650337	4.33E-04	2.01E-04
1571	438263.8	3763162	0.002617975	4.28E-04	1.98E-04
1572	438261	3763171	0.002582713	4.22E-04	1.96E-04
1573	438258.2	3763181	0.002544926	4.16E-04	1.93E-04
1574	438255.4	3763190	0.002504333	4.09E-04	1.90E-04
1575	438252.6	3763199	0.002461308	4.02E-04	1.87E-04
1576	438249.8	3763208	0.002417722	3.95E-04	1.83E-04
1577	438247	3763217	0.002372078	3.88E-04	1.80E-04
1578	438244.2	3763227	0.002324283	3.80E-04	1.76E-04
1579	438241.4	3763236	0.002275833	3.72E-04	1.72E-04
1580	438238.6	3763245	0.002226167	3.64E-04	1.69E-04
1581	438235.8	3763254	0.002174912	3.55E-04	1.65E-04
1582	438233.1	3763264	0.002120756	3.46E-04	1.61E-04
1583	438230.3	3763273	0.002062673	3.37E-04	1.56E-04
1584	438227.5	3763282	0.002004121	3.27E-04	1.52E-04
1585	438224.7	3763291	0.001956794	3.20E-04	1.48E-04
1586	438353.7	3762998	0.002462711	4.02E-04	1.87E-04
1587	438350.9	3763007	0.002481511	4.05E-04	1.88E-04
1588	438348.1	3763016	0.002498253	4.08E-04	1.89E-04
1589	438345.3	3763025	0.002511535	4.10E-04	1.90E-04
1590	438342.5	3763035	0.002521449	4.12E-04	1.91E-04
1591	438339.6	3763044	0.0025294	4.13E-04	1.92E-04
1592	438336.8	3763053	0.002536508	4.14E-04	1.92E-04
1593	438334	3763063	0.002544552	4.16E-04	1.93E-04
1594	438331.2	3763072	0.002550538	4.17E-04	1.93E-04
1595	438328.4	3763081	0.002553812	4.17E-04	1.94E-04
1596	438325.6	3763090	0.002550351	4.17E-04	1.93E-04
1597	438322.7	3763100	0.002544552	4.16E-04	1.93E-04
1598	438319.9	3763109	0.002536041	4.14E-04	1.92E-04
1599	438317.1	3763118	0.002526968	4.13E-04	1.91E-04
1600	438314.3	3763128	0.002515463	4.11E-04	1.91E-04
1601	438311.5	3763137	0.002501247	4.09E-04	1.90E-04
1602	438308.7	3763146	0.002481605	4.05E-04	1.88E-04
1603	438305.9	3763155	0.002458128	4.02E-04	1.86E-04
1604	438303	3763165	0.002432032	3.97E-04	1.84E-04
1605	438300.2	3763174	0.002404347	3.93E-04	1.82E-04
1606	438297.4	3763183	0.002385547	3.90E-04	1.81E-04

1607	438294.6	3763193	0.002354494	3.85E-04	1.78E-04
1608	438291.8	3763202	0.002321383	3.79E-04	1.76E-04
1609	438289	3763211	0.002287151	3.74E-04	1.73E-04
1610	438286.1	3763220	0.002250673	3.68E-04	1.71E-04
1611	438283.3	3763230	0.002212137	3.61E-04	1.68E-04
1612	438280.5	3763239	0.002172012	3.55E-04	1.65E-04
1613	438277.7	3763248	0.00211954	3.46E-04	1.61E-04
1614	438274.9	3763258	0.002075767	3.39E-04	1.57E-04
1615	438272.1	3763267	0.002028814	3.31E-04	1.54E-04
1616	438269.3	3763276	0.001991027	3.25E-04	1.51E-04
1617	438266.4	3763285	0.001941641	3.17E-04	1.47E-04
1618	438263.6	3763295	0.001891414	3.09E-04	1.43E-04
1619	438260.8	3763304	0.001840346	3.01E-04	1.39E-04
1620	438258	3763313	0.001788903	2.92E-04	1.36E-04
1621	438395.9	3762858	0.002014316	3.29E-04	1.53E-04
1622	438396	3762848	0.001988314	3.25E-04	1.51E-04
1623	438396	3762839	0.001961564	3.20E-04	1.49E-04
1624	438396	3762829	0.00193603	3.16E-04	1.47E-04
1625	438396	3762819	0.001909653	3.12E-04	1.45E-04
1626	438396	3762809	0.001882435	3.08E-04	1.43E-04
1627	438396	3762799	0.001853066	3.03E-04	1.40E-04
1628	438396	3762790	0.001823042	2.98E-04	1.38E-04
1629	438396.1	3762780	0.001792644	2.93E-04	1.36E-04
1630	438396.1	3762770	0.001763462	2.88E-04	1.34E-04
1631	438396.1	3762760	0.001731661	2.83E-04	1.31E-04
1632	438396.1	3762750	0.001699953	2.78E-04	1.29E-04
1633	438396.1	3762741	0.001667965	2.72E-04	1.26E-04
1634	438396.1	3762731	0.001635697	2.67E-04	1.24E-04
1635	438396.1	3762721	0.001603428	2.62E-04	1.22E-04
1636	438424.6	3762896	0.001966802	3.21E-04	1.49E-04
1637	438421.8	3762905	0.001998603	3.27E-04	1.51E-04
1638	438418.9	3762914	0.002029562	3.32E-04	1.54E-04
1639	438416.1	3762924	0.002059586	3.36E-04	1.56E-04
1640	438413.3	3762933	0.002089049	3.41E-04	1.58E-04
1641	438410.4	3762943	0.002116454	3.46E-04	1.60E-04
1642	438407.6	3762952	0.002142269	3.50E-04	1.62E-04
1643	438404.7	3762961	0.002166494	3.54E-04	1.64E-04
1644	438401.9	3762971	0.002188941	3.58E-04	1.66E-04
1645	438399.1	3762980	0.002209706	3.61E-04	1.67E-04
1646	438396.2	3762989	0.002228506	3.64E-04	1.69E-04
1647	438393.4	3762999	0.002247212	3.67E-04	1.70E-04
1648	438390.6	3763008	0.00226489	3.70E-04	1.72E-04
1649	438387.7	3763017	0.002281351	3.73E-04	1.73E-04
1650	438384.9	3763027	0.00229454	3.75E-04	1.74E-04
1651	438353.7	3763130	0.002323254	3.80E-04	1.76E-04
1652	438350.9	3763139	0.00231334	3.78E-04	1.75E-04
1653	438348	3763148	0.002298842	3.76E-04	1.74E-04
1654	438345.2	3763158	0.002281445	3.73E-04	1.73E-04
1655	438342.4	3763167	0.002270502	3.71E-04	1.72E-04
1656	438339.5	3763176	0.002250579	3.68E-04	1.71E-04
1657	438336.7	3763186	0.00222916	3.64E-04	1.69E-04
1658	438333.9	3763195	0.002205497	3.60E-04	1.67E-04

1659	438331	3763204	0.002180336	3.56E-04	1.65E-04
1660	438328.2	3763214	0.00215396	3.52E-04	1.63E-04
1661	438325.3	3763223	0.002125246	3.47E-04	1.61E-04
1662	438322.5	3763232	0.002085027	3.41E-04	1.58E-04
1663	438319.7	3763242	0.002052571	3.35E-04	1.56E-04
1664	438316.8	3763251	0.002018432	3.30E-04	1.53E-04
1665	438314	3763261	0.001982422	3.24E-04	1.50E-04
1666	438311.2	3763270	0.001943419	3.17E-04	1.47E-04
1667	438308.3	3763279	0.0019032	3.11E-04	1.44E-04
1668	438305.5	3763289	0.001861578	3.04E-04	1.41E-04
1669	438302.7	3763298	0.001817804	2.97E-04	1.38E-04
1670	438299.8	3763307	0.001782917	2.91E-04	1.35E-04
1671	438297	3763317	0.001737741	2.84E-04	1.32E-04
1672	438294.1	3763326	0.001692751	2.77E-04	1.28E-04
1673	438291.3	3763335	0.001647856	2.69E-04	1.25E-04
1674	438435.9	3762858	0.001835669	3.00E-04	1.39E-04
1675	438436	3762849	0.001813782	2.96E-04	1.37E-04
1676	438436	3762839	0.001791148	2.93E-04	1.36E-04
1677	438436	3762829	0.001767858	2.89E-04	1.34E-04
1678	438436	3762819	0.00174382	2.85E-04	1.32E-04
1679	438436	3762809	0.001719502	2.81E-04	1.30E-04
1680	438436	3762799	0.001695651	2.77E-04	1.28E-04
1681	438436	3762790	0.001671426	2.73E-04	1.27E-04
1682	438436.1	3762780	0.001644582	2.69E-04	1.25E-04
1683	438436.1	3762770	0.001617177	2.64E-04	1.23E-04
1684	438436.1	3762760	0.001589772	2.60E-04	1.20E-04
1685	438436.1	3762750	0.001561993	2.55E-04	1.18E-04
1686	438436.1	3762741	0.001533653	2.51E-04	1.16E-04
1687	438436.1	3762731	0.001505125	2.46E-04	1.14E-04
1688	438436.1	3762721	0.001476598	2.41E-04	1.12E-04
1689	438464.7	3762895	0.001788809	2.92E-04	1.36E-04
1690	438461.9	3762905	0.001816869	2.97E-04	1.38E-04
1691	438459.1	3762914	0.001845022	3.01E-04	1.40E-04
1692	438456.3	3762923	0.001872053	3.06E-04	1.42E-04
1693	438453.5	3762932	0.001897962	3.10E-04	1.44E-04
1694	438450.7	3762942	0.001922748	3.14E-04	1.46E-04
1695	438447.9	3762951	0.001947253	3.18E-04	1.48E-04
1696	438445.1	3762960	0.001970917	3.22E-04	1.49E-04
1697	438442.3	3762969	0.001992055	3.25E-04	1.51E-04
1698	438439.5	3762979	0.002012539	3.29E-04	1.53E-04
1699	438436.7	3762988	0.002032274	3.32E-04	1.54E-04
1700	438433.9	3762997	0.002051916	3.35E-04	1.55E-04
1701	438431.1	3763006	0.002069875	3.38E-04	1.57E-04
1702	438428.3	3763016	0.002085682	3.41E-04	1.58E-04
1703	438425.5	3763025	0.002098963	3.43E-04	1.59E-04
1704	438422.7	3763034	0.002110374	3.45E-04	1.60E-04
1705	438419.9	3763043	0.002120289	3.46E-04	1.61E-04
1706	438417.1	3763053	0.002129361	3.48E-04	1.61E-04
1707	438414.3	3763062	0.00213834	3.49E-04	1.62E-04
1708	438411.5	3763071	0.002145729	3.51E-04	1.63E-04
1709	438408.7	3763080	0.002151528	3.51E-04	1.63E-04
1710	438405.9	3763090	0.00215555	3.52E-04	1.63E-04

1711	438403.1	3763099	0.002157889	3.53E-04	1.64E-04
1712	438400.3	3763108	0.002158356	3.53E-04	1.64E-04
1713	438397.5	3763117	0.002158637	3.53E-04	1.64E-04
1714	438394.7	3763126	0.002157421	3.52E-04	1.63E-04
1715	438391.9	3763136	0.002154147	3.52E-04	1.63E-04
1716	438389	3763145	0.002147881	3.51E-04	1.63E-04
1717	438386.2	3763154	0.002138153	3.49E-04	1.62E-04
1718	438352.6	3763265	0.001882997	3.08E-04	1.43E-04
1719	438349.8	3763274	0.001851289	3.02E-04	1.40E-04
1720	438347	3763284	0.001818179	2.97E-04	1.38E-04
1721	438344.2	3763293	0.001783291	2.91E-04	1.35E-04
1722	438341.4	3763302	0.001746065	2.85E-04	1.32E-04
1723	438338.6	3763311	0.001708184	2.79E-04	1.29E-04
1724	438335.8	3763321	0.001669649	2.73E-04	1.27E-04
1725	438333	3763330	0.001639812	2.68E-04	1.24E-04
1726	438330.2	3763339	0.001600622	2.61E-04	1.21E-04
1727	438327.4	3763348	0.001560683	2.55E-04	1.18E-04
1728	438324.6	3763358	0.001521026	2.48E-04	1.15E-04
1729	438475.9	3762858	0.001682276	2.75E-04	1.27E-04
1730	438476	3762849	0.001665814	2.72E-04	1.26E-04
1731	438476	3762839	0.001648885	2.69E-04	1.25E-04
1732	438476	3762829	0.001629336	2.66E-04	1.23E-04
1733	438476	3762819	0.001607263	2.63E-04	1.22E-04
1734	438476	3762809	0.001584908	2.59E-04	1.20E-04
1735	438476	3762800	0.001561806	2.55E-04	1.18E-04
1736	438476	3762790	0.001538236	2.51E-04	1.17E-04
1737	438476.1	3762780	0.001514385	2.47E-04	1.15E-04
1738	438476.1	3762770	0.001489692	2.43E-04	1.13E-04
1739	438476.1	3762760	0.001464906	2.39E-04	1.11E-04
1740	438476.1	3762750	0.00143984	2.35E-04	1.09E-04
1741	438476.1	3762741	0.001414866	2.31E-04	1.07E-04
1742	438476.1	3762731	0.0013898	2.27E-04	1.05E-04
1743	438476.1	3762721	0.001364639	2.23E-04	1.03E-04
1744	438504.7	3762896	0.001640654	2.68E-04	1.24E-04
1745	438501.8	3762905	0.001664879	2.72E-04	1.26E-04
1746	438499	3762914	0.001690039	2.76E-04	1.28E-04
1747	438496.2	3762924	0.001715012	2.80E-04	1.30E-04
1748	438493.4	3762933	0.001739424	2.84E-04	1.32E-04
1749	438490.5	3762942	0.00176262	2.88E-04	1.34E-04
1750	438487.7	3762952	0.001785162	2.92E-04	1.35E-04
1751	438484.9	3762961	0.001806768	2.95E-04	1.37E-04
1752	438482.1	3762970	0.001825755	2.98E-04	1.38E-04
1753	438479.3	3762979	0.001843806	3.01E-04	1.40E-04
1754	438476.4	3762989	0.001860549	3.04E-04	1.41E-04
1755	438473.6	3762998	0.00187701	3.07E-04	1.42E-04
1756	438470.8	3763007	0.001893192	3.09E-04	1.43E-04
1757	438468	3763017	0.001908999	3.12E-04	1.45E-04
1758	438465.1	3763026	0.001924432	3.14E-04	1.46E-04
1759	438462.3	3763035	0.001938274	3.17E-04	1.47E-04
1760	438459.5	3763045	0.001950153	3.19E-04	1.48E-04
1761	438456.7	3763054	0.001960535	3.20E-04	1.49E-04
1762	438453.9	3763063	0.001969982	3.22E-04	1.49E-04

1763	438451	3763073	0.001978119	3.23E-04	1.50E-04
1764	438448.2	3763082	0.001984947	3.24E-04	1.50E-04
1765	438445.4	3763091	0.001990278	3.25E-04	1.51E-04
1766	438442.6	3763100	0.001994113	3.26E-04	1.51E-04
1767	438439.7	3763110	0.001996452	3.26E-04	1.51E-04
1768	438436.9	3763119	0.001998042	3.26E-04	1.51E-04
1769	438434.1	3763128	0.001998416	3.26E-04	1.51E-04
1770	438431.3	3763138	0.00199748	3.26E-04	1.51E-04
1771	438428.5	3763147	0.001995516	3.26E-04	1.51E-04
1772	438425.6	3763156	0.001991962	3.25E-04	1.51E-04
1773	438422.8	3763166	0.001986724	3.25E-04	1.51E-04
1774	438420	3763175	0.001978026	3.23E-04	1.50E-04
1775	438417.2	3763184	0.001965211	3.21E-04	1.49E-04
1776	438414.3	3763194	0.001950995	3.19E-04	1.48E-04
1777	438411.5	3763203	0.001935094	3.16E-04	1.47E-04
1778	438408.7	3763212	0.001918165	3.13E-04	1.45E-04
1779	438405.9	3763221	0.001899832	3.10E-04	1.44E-04
1780	438403.1	3763231	0.001880471	3.07E-04	1.42E-04
1781	438400.2	3763240	0.001861391	3.04E-04	1.41E-04
1782	438397.4	3763249	0.001840626	3.01E-04	1.39E-04
1783	438394.6	3763259	0.001818366	2.97E-04	1.38E-04
1784	438391.8	3763268	0.001793392	2.93E-04	1.36E-04
1785	438388.9	3763277	0.001766923	2.89E-04	1.34E-04
1786	438515.9	3762858	0.001547121	2.53E-04	1.17E-04
1787	438516	3762849	0.00153225	2.50E-04	1.16E-04
1788	438516	3762839	0.001517004	2.48E-04	1.15E-04
1789	438516	3762829	0.001500075	2.45E-04	1.14E-04
1790	438516	3762819	0.001480433	2.42E-04	1.12E-04
1791	438516	3762809	0.00146051	2.39E-04	1.11E-04
1792	438516	3762800	0.001440307	2.35E-04	1.09E-04
1793	438516	3762790	0.001419636	2.32E-04	1.08E-04
1794	438516.1	3762780	0.001398592	2.28E-04	1.06E-04
1795	438516.1	3762770	0.001376799	2.25E-04	1.04E-04
1796	438516.1	3762760	0.001354818	2.21E-04	1.03E-04
1797	438516.1	3762751	0.001332651	2.18E-04	1.01E-04
1798	438516.1	3762741	0.001310391	2.14E-04	9.93E-05
1799	438516.1	3762731	0.001287943	2.10E-04	9.76E-05
1800	438516.1	3762721	0.001265495	2.07E-04	9.59E-05
1801	438544.6	3762896	0.001508492	2.46E-04	1.14E-04
1802	438541.7	3762905	0.001529257	2.50E-04	1.16E-04
1803	438538.9	3762915	0.001551143	2.53E-04	1.18E-04
1804	438536.1	3762924	0.00157331	2.57E-04	1.19E-04
1805	438533.2	3762933	0.001595478	2.61E-04	1.21E-04
1806	438530.4	3762943	0.001617738	2.64E-04	1.23E-04
1807	438527.5	3762952	0.001639064	2.68E-04	1.24E-04
1808	438524.7	3762962	0.001659267	2.71E-04	1.26E-04
1809	438521.9	3762971	0.001676944	2.74E-04	1.27E-04
1810	438519	3762980	0.001693687	2.77E-04	1.28E-04
1811	438516.2	3762990	0.0017094	2.79E-04	1.30E-04
1812	438513.3	3762999	0.001725488	2.82E-04	1.31E-04
1813	438510.5	3763008	0.001740547	2.84E-04	1.32E-04
1814	438507.7	3763018	0.001755231	2.87E-04	1.33E-04

1815	438504.8	3763027	0.00177029	2.89E-04	1.34E-04
1816	438502	3763036	0.001784881	2.92E-04	1.35E-04
1817	438499.1	3763046	0.001798443	2.94E-04	1.36E-04
1818	438496.3	3763055	0.001809948	2.96E-04	1.37E-04
1819	438493.5	3763065	0.001819581	2.97E-04	1.38E-04
1820	438490.6	3763074	0.001828187	2.99E-04	1.39E-04
1821	438487.8	3763083	0.001835388	3.00E-04	1.39E-04
1822	438484.9	3763093	0.001841375	3.01E-04	1.40E-04
1823	438482.1	3763102	0.001846425	3.02E-04	1.40E-04
1824	438479.3	3763111	0.001850073	3.02E-04	1.40E-04
1825	438476.4	3763121	0.001851102	3.02E-04	1.40E-04
1826	438473.6	3763130	0.001851008	3.02E-04	1.40E-04
1827	438470.7	3763140	0.001850073	3.02E-04	1.40E-04
1828	438467.9	3763149	0.001849418	3.02E-04	1.40E-04
1829	438465.1	3763158	0.001847735	3.02E-04	1.40E-04
1830	438462.2	3763168	0.001844835	3.01E-04	1.40E-04
1831	438459.4	3763177	0.001839223	3.00E-04	1.39E-04
1832	438456.5	3763186	0.00183146	2.99E-04	1.39E-04
1833	438453.7	3763196	0.00182192	2.98E-04	1.38E-04
1834	438450.9	3763205	0.001811444	2.96E-04	1.37E-04
1835	438448	3763214	0.001799846	2.94E-04	1.36E-04
1836	438445.2	3763224	0.001786564	2.92E-04	1.35E-04
1837	438442.3	3763233	0.001771786	2.89E-04	1.34E-04
1838	438439.5	3763243	0.001756073	2.87E-04	1.33E-04
1839	438436.7	3763252	0.001739144	2.84E-04	1.32E-04
1840	438433.8	3763261	0.001720905	2.81E-04	1.30E-04
1841	438431	3763271	0.001700047	2.78E-04	1.29E-04
1842	438428.1	3763280	0.001677693	2.74E-04	1.27E-04
1843	438425.3	3763289	0.001654029	2.70E-04	1.25E-04
1844	438422.5	3763299	0.001627653	2.66E-04	1.23E-04
1845	438419.6	3763308	0.001600248	2.61E-04	1.21E-04
1846	438416.8	3763318	0.001579577	2.58E-04	1.20E-04
1847	438413.9	3763327	0.001551237	2.53E-04	1.18E-04
1848	438411.1	3763336	0.001522055	2.49E-04	1.15E-04
1849	438408.2	3763346	0.001491844	2.44E-04	1.13E-04
1850	438405.4	3763355	0.001461071	2.39E-04	1.11E-04
1851	438402.6	3763364	0.001429738	2.34E-04	1.08E-04
1852	438399.7	3763374	0.001397843	2.28E-04	1.06E-04
1853	438396.9	3763383	0.001365762	2.23E-04	1.03E-04
1854	438394	3763392	0.001333774	2.18E-04	1.01E-04
1855	438391.2	3763402	0.001301599	2.13E-04	9.86E-05
1856	438555.9	3762859	0.001426371	2.33E-04	1.08E-04
1857	438556	3762849	0.001411499	2.31E-04	1.07E-04
1858	438556	3762839	0.001396253	2.28E-04	1.06E-04
1859	438556	3762829	0.001381475	2.26E-04	1.05E-04
1860	438556	3762819	0.001366416	2.23E-04	1.04E-04
1861	438556	3762809	0.001349674	2.20E-04	1.02E-04
1862	438556	3762800	0.001331716	2.18E-04	1.01E-04
1863	438556	3762790	0.001313571	2.15E-04	9.95E-05
1864	438556.1	3762780	0.001295051	2.12E-04	9.81E-05
1865	438556.1	3762770	0.001275877	2.08E-04	9.67E-05
1866	438556.1	3762760	0.001256516	2.05E-04	9.52E-05

1867	438556.1	3762751	0.001236968	2.02E-04	9.37E-05
1868	438556.1	3762741	0.001217419	1.99E-04	9.23E-05
1869	438556.1	3762731	0.001197684	1.96E-04	9.08E-05
1870	438556.1	3762721	0.001177855	1.92E-04	8.93E-05
1871	437546.8	3762710	0.08531577	1.39E-02	6.46E-03
1872	437537.4	3762710	0.09076975	1.48E-02	6.88E-03
1873	437528	3762710	0.09500406	1.55E-02	7.20E-03
1874	437518.6	3762710	0.09805266	1.60E-02	7.43E-03
1875	437509.2	3762710	0.09938699	1.62E-02	7.53E-03
1876	437499.8	3762710	0.09992995	1.63E-02	7.57E-03
1877	437490.4	3762710	0.09972493	1.63E-02	7.56E-03
1878	437481	3762710	0.09826797	1.61E-02	7.45E-03
1879	437471.6	3762710	0.09619566	1.57E-02	7.29E-03
1880	437462.2	3762710	0.09360697	1.53E-02	7.09E-03
1881	437452.8	3762710	0.09063572	1.48E-02	6.87E-03
1882	437546.8	3762700	0.06151662	1.00E-02	4.66E-03
1883	437537.4	3762700	0.06467399	1.06E-02	4.90E-03
1884	437528	3762700	0.0672105	1.10E-02	5.09E-03
1885	437518.6	3762700	0.069066	1.13E-02	5.23E-03
1886	437509.2	3762700	0.06991172	1.14E-02	5.30E-03
1887	437499.8	3762700	0.07022168	1.15E-02	5.32E-03
1888	437490.4	3762700	0.07000787	1.14E-02	5.30E-03
1889	437481	3762700	0.06917132	1.13E-02	5.24E-03
1890	437471.6	3762700	0.06787916	1.11E-02	5.14E-03
1891	437462.2	3762700	0.0661432	1.08E-02	5.01E-03
1892	437452.8	3762700	0.06387307	1.04E-02	4.84E-03
1893	437546.8	3762690	0.04658331	7.61E-03	3.53E-03
1894	437537.4	3762690	0.04843853	7.91E-03	3.67E-03
1895	437528	3762690	0.0499574	8.16E-03	3.79E-03
1896	437518.6	3762690	0.0510667	8.34E-03	3.87E-03
1897	437509.2	3762690	0.05156466	8.42E-03	3.91E-03
1898	437499.8	3762690	0.05171525	8.45E-03	3.92E-03
1899	437490.4	3762690	0.05149086	8.41E-03	3.90E-03
1900	437481	3762690	0.05093416	8.32E-03	3.86E-03
1901	437471.6	3762690	0.05006889	8.18E-03	3.79E-03
1902	437462.2	3762690	0.04888374	7.99E-03	3.70E-03
1903	437452.8	3762690	0.04716218	7.70E-03	3.57E-03
1904	437546.8	3762680	0.03665904	5.99E-03	2.78E-03
1905	437537.4	3762680	0.03770689	6.16E-03	2.86E-03
1906	437528	3762680	0.03851959	6.29E-03	2.92E-03
1907	437518.6	3762680	0.03909042	6.39E-03	2.96E-03
1908	437509.2	3762680	0.03941993	6.44E-03	2.99E-03
1909	437499.8	3762680	0.03951272	6.46E-03	2.99E-03
1910	437490.4	3762680	0.03934716	6.43E-03	2.98E-03
1911	437481	3762680	0.03895059	6.36E-03	2.95E-03
1912	437471.6	3762680	0.03832392	6.26E-03	2.90E-03
1913	437462.2	3762680	0.037468	6.12E-03	2.84E-03
1914	437452.8	3762680	0.03626592	5.92E-03	2.75E-03
1915	437546.7	3762670	0.02959537	4.83E-03	2.24E-03
1916	437537.4	3762670	0.03019323	4.93E-03	2.29E-03
1917	437528	3762670	0.03062198	5.00E-03	2.32E-03
1918	437518.6	3762670	0.03089669	5.05E-03	2.34E-03

1919	437509.2	3762670	0.03110003	5.08E-03	2.36E-03
1920	437499.8	3762670	0.03114044	5.09E-03	2.36E-03
1921	437490.4	3762670	0.03100631	5.07E-03	2.35E-03
1922	437481	3762670	0.03069756	5.01E-03	2.33E-03
1923	437471.6	3762670	0.03022007	4.94E-03	2.29E-03
1924	437462.2	3762670	0.02957779	4.83E-03	2.24E-03
1925	437452.8	3762670	0.02870092	4.69E-03	2.17E-03
1926	437443.5	3762670	0.02765728	4.52E-03	2.10E-03
1927	437581.6	3762670	0.02612101	4.27E-03	1.98E-03
1928	437590.1	3762674	0.02666388	4.36E-03	2.02E-03
1929	437546.7	3762660	0.0243742	3.98E-03	1.85E-03
1930	437537.4	3762660	0.02471831	4.04E-03	1.87E-03
1931	437528	3762660	0.02493343	4.07E-03	1.89E-03
1932	437518.6	3762660	0.02504127	4.09E-03	1.90E-03
1933	437509.2	3762660	0.02515968	4.11E-03	1.91E-03
1934	437499.8	3762660	0.02516202	4.11E-03	1.91E-03
1935	437490.4	3762660	0.02503781	4.09E-03	1.90E-03
1936	437481	3762660	0.02478565	4.05E-03	1.88E-03
1937	437471.6	3762660	0.02441049	3.99E-03	1.85E-03
1938	437462.2	3762660	0.02391018	3.91E-03	1.81E-03
1939	437452.8	3762660	0.02325059	3.80E-03	1.76E-03
1940	437443.4	3762660	0.02247212	3.67E-03	1.70E-03
1941	437597.4	3762667	0.02294736	3.75E-03	1.74E-03
1942	437546.7	3762650	0.02041151	3.33E-03	1.55E-03
1943	437537.4	3762650	0.02063486	3.37E-03	1.56E-03
1944	437528	3762650	0.0207631	3.39E-03	1.57E-03
1945	437518.6	3762650	0.02081042	3.40E-03	1.58E-03
1946	437509.2	3762650	0.02085448	3.41E-03	1.58E-03
1947	437499.8	3762650	0.02081267	3.40E-03	1.58E-03
1948	437490.4	3762650	0.02067677	3.38E-03	1.57E-03
1949	437481	3762650	0.02046024	3.34E-03	1.55E-03
1950	437471.6	3762650	0.02015008	3.29E-03	1.53E-03
1951	437462.2	3762650	0.01974602	3.23E-03	1.50E-03
1952	437452.8	3762650	0.01923066	3.14E-03	1.46E-03
1953	437443.4	3762650	0.01863308	3.04E-03	1.41E-03
1954	437596.6	3762656	0.01965595	3.21E-03	1.49E-03
1955	437616.1	3762671	0.02228066	3.64E-03	1.69E-03
1956	437546.7	3762640	0.01732362	2.83E-03	1.31E-03
1957	437537.4	3762640	0.01746701	2.85E-03	1.32E-03
1958	437528	3762640	0.01753847	2.87E-03	1.33E-03
1959	437518.6	3762640	0.01754754	2.87E-03	1.33E-03
1960	437509.2	3762640	0.01754595	2.87E-03	1.33E-03
1961	437499.8	3762640	0.01747964	2.86E-03	1.32E-03
1962	437490.4	3762640	0.01734252	2.83E-03	1.31E-03
1963	437481	3762640	0.01715246	2.80E-03	1.30E-03
1964	437471.6	3762640	0.01689038	2.76E-03	1.28E-03
1965	437462.2	3762640	0.01655469	2.70E-03	1.25E-03
1966	437452.8	3762640	0.01614231	2.64E-03	1.22E-03
1967	437443.4	3762640	0.01566941	2.56E-03	1.19E-03
1968	437595.9	3762646	0.01698251	2.77E-03	1.29E-03
1969	437611.9	3762653	0.01750526	2.86E-03	1.33E-03
1970	437623.1	3762664	0.01935899	3.16E-03	1.47E-03

1971	437546.7	3762630	0.0148713	2.43E-03	1.13E-03
1972	437537.4	3762630	0.01496062	2.44E-03	1.13E-03
1973	437528	3762630	0.01499448	2.45E-03	1.14E-03
1974	437518.6	3762630	0.01498007	2.45E-03	1.14E-03
1975	437509.2	3762630	0.01495117	2.44E-03	1.13E-03
1976	437499.8	3762630	0.0148726	2.43E-03	1.13E-03
1977	437490.4	3762630	0.01474016	2.41E-03	1.12E-03
1978	437481	3762630	0.01457068	2.38E-03	1.10E-03
1979	437471.6	3762630	0.01434396	2.34E-03	1.09E-03
1980	437462.2	3762630	0.01406121	2.30E-03	1.07E-03
1981	437452.8	3762630	0.013723	2.24E-03	1.04E-03
1982	437443.4	3762630	0.01334073	2.18E-03	1.01E-03
1983	437595.5	3762636	0.01477701	2.41E-03	1.12E-03
1984	437611.2	3762643	0.0152849	2.50E-03	1.16E-03
1985	437630.2	3762657	0.01697568	2.77E-03	1.29E-03
1986	437636.7	3762673	0.02017421	3.30E-03	1.53E-03
1987	437546.7	3762620	0.01289233	2.11E-03	9.77E-04
1988	437537.4	3762620	0.01294883	2.12E-03	9.81E-04
1989	437528	3762620	0.01296323	2.12E-03	9.82E-04
1990	437518.6	3762620	0.01293863	2.11E-03	9.80E-04
1991	437509.2	3762620	0.0128928	2.11E-03	9.77E-04
1992	437499.8	3762620	0.01280872	2.09E-03	9.71E-04
1993	437490.4	3762620	0.01268207	2.07E-03	9.61E-04
1994	437481	3762620	0.0125212	2.05E-03	9.49E-04
1995	437471.6	3762620	0.01231917	2.01E-03	9.33E-04
1996	437462.2	3762620	0.0120771	1.97E-03	9.15E-04
1997	437452.8	3762620	0.01179688	1.93E-03	8.94E-04
1998	437443.4	3762620	0.01148561	1.88E-03	8.70E-04
1999	437590.1	3762614	0.01125234	1.84E-03	8.53E-04
2000	437598.6	3762617	0.01152975	1.88E-03	8.74E-04
2001	437607.1	3762621	0.01177518	1.92E-03	8.92E-04
2002	437615.6	3762624	0.01198572	1.96E-03	9.08E-04
2003	437624.1	3762628	0.01215988	1.99E-03	9.21E-04
2004	437632.6	3762631	0.01229803	2.01E-03	9.32E-04
2005	437644.6	3762643	0.01347514	2.20E-03	1.02E-03
2006	437648.1	3762652	0.01464607	2.39E-03	1.11E-03
2007	437651.6	3762660	0.0159168	2.60E-03	1.21E-03
2008	437655.1	3762669	0.01730978	2.83E-03	1.31E-03
2009	437665.6	3762694	0.02203486	3.60E-03	1.67E-03
2010	437669.1	3762703	0.0237306	3.88E-03	1.80E-03
2011	437672.6	3762711	0.02544215	4.16E-03	1.93E-03
2012	437546.7	3762600	0.009926044	1.62E-03	7.52E-04
2013	437537.4	3762600	0.009940636	1.62E-03	7.53E-04
2014	437528	3762600	0.009928476	1.62E-03	7.52E-04
2015	437518.6	3762600	0.009890783	1.62E-03	7.49E-04
2016	437509.2	3762600	0.009831015	1.61E-03	7.45E-04
2017	437499.8	3762600	0.00974721	1.59E-03	7.39E-04
2018	437490.4	3762600	0.00963759	1.57E-03	7.30E-04
2019	437481	3762600	0.009504306	1.55E-03	7.20E-04
2020	437471.6	3762600	0.009348481	1.53E-03	7.08E-04
2021	437462.2	3762600	0.009171518	1.50E-03	6.95E-04
2022	437452.8	3762600	0.008975567	1.47E-03	6.80E-04

2023	437443.4	3762600	0.008763154	1.43E-03	6.64E-04
2024	437597.4	3762597	0.009107354	1.49E-03	6.90E-04
2025	437613.9	3762604	0.009499816	1.55E-03	7.20E-04
2026	437630.4	3762611	0.009803703	1.60E-03	7.43E-04
2027	437647	3762617	0.01001799	1.64E-03	7.59E-04
2028	437658.6	3762629	0.01086146	1.77E-03	8.23E-04
2029	437665.4	3762646	0.01259022	2.06E-03	9.54E-04
2030	437672.3	3762662	0.01458817	2.38E-03	1.11E-03
2031	437679.1	3762679	0.01686391	2.75E-03	1.28E-03
2032	437682.5	3762687	0.01808245	2.95E-03	1.37E-03
2033	437689.3	3762703	0.02059857	3.37E-03	1.56E-03
2034	437546.7	3762580	0.007844852	1.28E-03	5.94E-04
2035	437537.4	3762580	0.007835779	1.28E-03	5.94E-04
2036	437528	3762580	0.007808749	1.28E-03	5.92E-04
2037	437518.6	3762580	0.007764134	1.27E-03	5.88E-04
2038	437509.2	3762580	0.007702216	1.26E-03	5.84E-04
2039	437499.8	3762580	0.007625238	1.25E-03	5.78E-04
2040	437490.4	3762580	0.00753208	1.23E-03	5.71E-04
2041	437481	3762580	0.007426856	1.21E-03	5.63E-04
2042	437471.6	3762580	0.007308537	1.19E-03	5.54E-04
2043	437462.2	3762580	0.007178246	1.17E-03	5.44E-04
2044	437452.8	3762580	0.007036732	1.15E-03	5.33E-04
2045	437443.4	3762580	0.006885677	1.12E-03	5.22E-04
2046	437596.6	3762576	0.007343051	1.20E-03	5.56E-04
2047	437612.7	3762583	0.00767322	1.25E-03	5.81E-04
2048	437628.9	3762590	0.007947738	1.30E-03	6.02E-04
2049	437645.1	3762597	0.008160618	1.33E-03	6.18E-04
2050	437661.3	3762603	0.008314479	1.36E-03	6.30E-04
2051	437672.7	3762615	0.008938809	1.46E-03	6.77E-04
2052	437679.4	3762631	0.01020496	1.67E-03	7.73E-04
2053	437686.1	3762647	0.01165565	1.90E-03	8.83E-04
2054	437692.8	3762663	0.01329284	2.17E-03	1.01E-03
2055	437699.4	3762679	0.01510915	2.47E-03	1.14E-03
2056	437706.1	3762696	0.01702488	2.78E-03	1.29E-03
2057	437546.7	3762560	0.006331964	1.03E-03	4.80E-04
2058	437537.3	3762560	0.006312229	1.03E-03	4.78E-04
2059	437528	3762560	0.00627996	1.03E-03	4.76E-04
2060	437518.6	3762560	0.006235813	1.02E-03	4.73E-04
2061	437509.2	3762560	0.006179412	1.01E-03	4.68E-04
2062	437499.8	3762560	0.006112911	9.99E-04	4.63E-04
2063	437490.4	3762560	0.006035466	9.86E-04	4.57E-04
2064	437481	3762560	0.005950351	9.72E-04	4.51E-04
2065	437471.6	3762560	0.005857193	9.57E-04	4.44E-04
2066	437462.2	3762560	0.005756926	9.40E-04	4.36E-04
2067	437452.8	3762560	0.005650486	9.23E-04	4.28E-04
2068	437443.4	3762560	0.005538715	9.05E-04	4.20E-04
2069	437598.6	3762557	0.006071663	9.92E-04	4.60E-04
2070	437607.1	3762561	0.006220847	1.02E-03	4.71E-04
2071	437615.6	3762564	0.006359837	1.04E-03	4.82E-04
2072	437624.1	3762568	0.006487883	1.06E-03	4.92E-04
2073	437632.6	3762571	0.006604237	1.08E-03	5.00E-04
2074	437641.1	3762575	0.006708713	1.10E-03	5.08E-04

2075	437649.5	3762578	0.006800562	1.11E-03	5.15E-04
2076	437658	3762582	0.006879971	1.12E-03	5.21E-04
2077	437666.5	3762585	0.006947408	1.13E-03	5.26E-04
2078	437675	3762589	0.007002966	1.14E-03	5.31E-04
2079	437687	3762601	0.007511128	1.23E-03	5.69E-04
2080	437690.5	3762610	0.008009189	1.31E-03	6.07E-04
2081	437694	3762618	0.008541576	1.40E-03	6.47E-04
2082	437697.5	3762627	0.009109786	1.49E-03	6.90E-04
2083	437701.1	3762635	0.009715782	1.59E-03	7.36E-04
2084	437704.6	3762644	0.01036256	1.69E-03	7.85E-04
2085	437708.1	3762652	0.01104694	1.80E-03	8.37E-04
2086	437711.6	3762661	0.01176592	1.92E-03	8.92E-04
2087	437715.1	3762669	0.01252335	2.05E-03	9.49E-04
2088	437718.6	3762678	0.01330472	2.17E-03	1.01E-03
2089	437722.1	3762686	0.01410152	2.30E-03	1.07E-03
2090	437725.6	3762694	0.01490712	2.44E-03	1.13E-03
2091	437729.1	3762703	0.01571309	2.57E-03	1.19E-03
2092	437732.6	3762711	0.01650896	2.70E-03	1.25E-03
2093	437546.7	3762540	0.00520153	8.50E-04	3.94E-04
2094	437537.3	3762540	0.005177492	8.46E-04	3.92E-04
2095	437528	3762540	0.005144569	8.40E-04	3.90E-04
2096	437518.6	3762540	0.005103228	8.34E-04	3.87E-04
2097	437509.2	3762540	0.00505403	8.26E-04	3.83E-04
2098	437499.8	3762540	0.004998097	8.17E-04	3.79E-04
2099	437490.4	3762540	0.004935056	8.06E-04	3.74E-04
2100	437481	3762540	0.004866122	7.95E-04	3.69E-04
2101	437471.6	3762540	0.004792045	7.83E-04	3.63E-04
2102	437462.2	3762540	0.004713384	7.70E-04	3.57E-04
2103	437452.8	3762540	0.004630795	7.57E-04	3.51E-04
2104	437443.4	3762540	0.004545026	7.42E-04	3.44E-04
2105	437631.1	3762551	0.005504576	8.99E-04	4.17E-04
2106	437639.4	3762554	0.005598575	9.15E-04	4.24E-04
2107	437647.7	3762558	0.005684532	9.29E-04	4.31E-04
2108	437656	3762561	0.005760855	9.41E-04	4.37E-04
2109	437672.7	3762568	0.005886469	9.62E-04	4.46E-04
2110	437681	3762571	0.005935761	9.70E-04	4.50E-04
2111	437689.3	3762575	0.005976821	9.76E-04	4.53E-04
2112	437701.1	3762587	0.006369096	1.04E-03	4.83E-04
2113	437708	3762603	0.007158885	1.17E-03	5.42E-04
2114	437714.9	3762620	0.008052682	1.32E-03	6.10E-04
2115	437718.3	3762628	0.008540641	1.40E-03	6.47E-04
2116	437725.2	3762645	0.009600831	1.57E-03	7.28E-04
2117	437732.1	3762662	0.01076484	1.76E-03	8.16E-04
2118	437738.9	3762678	0.01200817	1.96E-03	9.10E-04
2119	437742.4	3762687	0.01264616	2.07E-03	9.58E-04
2120	437749.3	3762703	0.01392924	2.28E-03	1.06E-03
2121	437546.7	3762520	0.004337945	7.09E-04	3.29E-04
2122	437537.3	3762520	0.00431241	7.04E-04	3.27E-04
2123	437528	3762520	0.004280515	6.99E-04	3.24E-04
2124	437518.6	3762520	0.004242822	6.93E-04	3.22E-04
2125	437509.2	3762520	0.004200078	6.86E-04	3.18E-04
2126	437499.8	3762520	0.00415303	6.78E-04	3.15E-04

2127	437490.4	3762520	0.004101401	6.70E-04	3.11E-04
2128	437481	3762520	0.004046217	6.61E-04	3.07E-04
2129	437471.6	3762520	0.003987665	6.51E-04	3.02E-04
2130	437462.2	3762520	0.003926495	6.41E-04	2.98E-04
2131	437452.8	3762520	0.003862612	6.31E-04	2.93E-04
2132	437443.4	3762520	0.003796578	6.20E-04	2.88E-04
2133	437625.3	3762528	0.004592727	7.50E-04	3.48E-04
2134	437634	3762532	0.004684202	7.65E-04	3.55E-04
2135	437642.6	3762536	0.004769504	7.79E-04	3.61E-04
2136	437651.3	3762539	0.004847136	7.92E-04	3.67E-04
2137	437659.9	3762543	0.004917659	8.03E-04	3.73E-04
2138	437668.6	3762546	0.004980326	8.14E-04	3.77E-04
2139	437677.2	3762550	0.005035978	8.23E-04	3.82E-04
2140	437685.9	3762554	0.005083866	8.31E-04	3.85E-04
2141	437694.5	3762557	0.005123711	8.37E-04	3.88E-04
2142	437703.2	3762561	0.005156635	8.42E-04	3.91E-04
2143	437715.4	3762573	0.00548007	8.95E-04	4.15E-04
2144	437719	3762582	0.005797987	9.47E-04	4.39E-04
2145	437722.5	3762590	0.006136762	1.00E-03	4.65E-04
2146	437726.1	3762599	0.006496394	1.06E-03	4.92E-04
2147	437729.7	3762608	0.006878474	1.12E-03	5.21E-04
2148	437733.3	3762616	0.007284125	1.19E-03	5.52E-04
2149	437736.8	3762625	0.00771241	1.26E-03	5.84E-04
2150	437740.4	3762634	0.008164734	1.33E-03	6.19E-04
2151	437744	3762642	0.008638663	1.41E-03	6.55E-04
2152	437747.6	3762651	0.009134292	1.49E-03	6.92E-04
2153	437751.1	3762659	0.009648627	1.58E-03	7.31E-04
2154	437754.7	3762668	0.01017737	1.66E-03	7.71E-04
2155	437758.3	3762677	0.01071901	1.75E-03	8.12E-04
2156	437761.8	3762685	0.01126721	1.84E-03	8.54E-04
2157	437765.4	3762694	0.01181802	1.93E-03	8.96E-04
2158	437546.7	3762500	0.003664417	5.99E-04	2.78E-04
2159	437537.3	3762500	0.003639257	5.95E-04	2.76E-04
2160	437528	3762500	0.0036097	5.90E-04	2.74E-04
2161	437518.6	3762500	0.003575935	5.84E-04	2.71E-04
2162	437509.2	3762500	0.003538709	5.78E-04	2.68E-04
2163	437499.8	3762500	0.003498584	5.72E-04	2.65E-04
2164	437490.4	3762500	0.003455465	5.65E-04	2.62E-04
2165	437481	3762500	0.003410195	5.57E-04	2.58E-04
2166	437471.6	3762500	0.003362962	5.49E-04	2.55E-04
2167	437462.2	3762500	0.003314325	5.41E-04	2.51E-04
2168	437452.8	3762500	0.003264098	5.33E-04	2.47E-04
2169	437443.4	3762500	0.003212561	5.25E-04	2.43E-04
2170	437590.1	3762494	0.003547501	5.80E-04	2.69E-04
2171	437598.6	3762497	0.003642811	5.95E-04	2.76E-04
2172	437607.1	3762501	0.003735221	6.10E-04	2.83E-04
2173	437615.6	3762504	0.003824077	6.25E-04	2.90E-04
2174	437624.1	3762508	0.00390863	6.39E-04	2.96E-04
2175	437632.6	3762511	0.0039886	6.52E-04	3.02E-04
2176	437641	3762515	0.004064175	6.64E-04	3.08E-04
2177	437649.5	3762518	0.004134605	6.75E-04	3.13E-04
2178	437658	3762522	0.004199516	6.86E-04	3.18E-04

2179	437666.5	3762525	0.004258816	6.96E-04	3.23E-04
2180	437675	3762529	0.004312597	7.05E-04	3.27E-04
2181	437683.5	3762533	0.004360579	7.12E-04	3.30E-04
2182	437692	3762536	0.004402669	7.19E-04	3.34E-04
2183	437700.5	3762540	0.004438772	7.25E-04	3.36E-04
2184	437709	3762543	0.00446889	7.30E-04	3.39E-04
2185	437717.5	3762547	0.004493209	7.34E-04	3.40E-04
2186	437729.5	3762559	0.00474902	7.76E-04	3.60E-04
2187	437736.5	3762576	0.005265881	8.60E-04	3.99E-04
2188	437740	3762584	0.005548161	9.06E-04	4.20E-04
2189	437743.5	3762593	0.00584653	9.55E-04	4.43E-04
2190	437747	3762601	0.006161454	1.01E-03	4.67E-04
2191	437750.5	3762610	0.006496768	1.06E-03	4.92E-04
2192	437754	3762618	0.006850321	1.12E-03	5.19E-04
2193	437757.5	3762627	0.007221365	1.18E-03	5.47E-04
2194	437761.1	3762635	0.007608683	1.24E-03	5.77E-04
2195	437764.6	3762644	0.00801106	1.31E-03	6.07E-04
2196	437768.1	3762652	0.008428215	1.38E-03	6.39E-04
2197	437771.6	3762661	0.008859306	1.45E-03	6.71E-04
2198	437775.1	3762669	0.00929947	1.52E-03	7.05E-04
2199	437778.6	3762678	0.009746649	1.59E-03	7.39E-04
2200	437546.7	3762480	0.003130627	5.11E-04	2.37E-04
2201	437537.3	3762480	0.003106963	5.08E-04	2.35E-04
2202	437528	3762480	0.003079932	5.03E-04	2.33E-04
2203	437518.6	3762480	0.003050189	4.98E-04	2.31E-04
2204	437509.2	3762480	0.003017826	4.93E-04	2.29E-04
2205	437499.8	3762480	0.0029835	4.87E-04	2.26E-04
2206	437490.4	3762480	0.00294721	4.81E-04	2.23E-04
2207	437481	3762480	0.002909422	4.75E-04	2.20E-04
2208	437471.6	3762480	0.002870606	4.69E-04	2.18E-04
2209	437462.2	3762480	0.002830949	4.62E-04	2.15E-04
2210	437452.8	3762480	0.00279073	4.56E-04	2.11E-04
2211	437443.4	3762480	0.002749762	4.49E-04	2.08E-04
2212	437589.6	3762474	0.003051031	4.98E-04	2.31E-04
2213	437597.9	3762477	0.003131282	5.12E-04	2.37E-04
2214	437606.3	3762481	0.003209381	5.24E-04	2.43E-04
2215	437614.7	3762484	0.00328561	5.37E-04	2.49E-04
2216	437623	3762487	0.003359127	5.49E-04	2.55E-04
2217	437631.4	3762491	0.003429089	5.60E-04	2.60E-04
2218	437639.8	3762494	0.003495778	5.71E-04	2.65E-04
2219	437656.5	3762501	0.003617463	5.91E-04	2.74E-04
2220	437664.8	3762505	0.003671806	6.00E-04	2.78E-04
2221	437673.2	3762508	0.00372222	6.08E-04	2.82E-04
2222	437681.6	3762512	0.003768518	6.16E-04	2.86E-04
2223	437689.9	3762515	0.003810047	6.22E-04	2.89E-04
2224	437698.3	3762519	0.003847179	6.28E-04	2.92E-04
2225	437706.7	3762522	0.003879728	6.34E-04	2.94E-04
2226	437723.4	3762529	0.003929862	6.42E-04	2.98E-04
2227	437731.8	3762533	0.003948568	6.45E-04	2.99E-04
2228	437743.6	3762544	0.00415621	6.79E-04	3.15E-04
2229	437747	3762553	0.00435768	7.12E-04	3.30E-04
2230	437753.9	3762569	0.004793074	7.83E-04	3.63E-04

2231	437760.9	3762586	0.005279068	8.62E-04	4.00E-04
2232	437767.8	3762603	0.005821089	9.51E-04	4.41E-04
2233	437774.7	3762620	0.006422691	1.05E-03	4.87E-04
2234	437781.6	3762636	0.007074893	1.16E-03	5.36E-04
2235	437788.5	3762653	0.007774984	1.27E-03	5.89E-04
2236	437795.4	3762670	0.008510336	1.39E-03	6.45E-04
2237	437802.3	3762687	0.009263554	1.51E-03	7.02E-04
2238	437809.2	3762703	0.01000442	1.63E-03	7.58E-04
2239	437546.7	3762460	0.002701593	4.41E-04	2.05E-04
2240	437537.3	3762460	0.002679707	4.38E-04	2.03E-04
2241	437527.9	3762460	0.002655388	4.34E-04	2.01E-04
2242	437518.6	3762460	0.002629012	4.29E-04	1.99E-04
2243	437509.2	3762460	0.002600952	4.25E-04	1.97E-04
2244	437499.8	3762460	0.002571489	4.20E-04	1.95E-04
2245	437490.4	3762460	0.002540717	4.15E-04	1.93E-04
2246	437481	3762460	0.00250901	4.10E-04	1.90E-04
2247	437471.6	3762460	0.002476647	4.05E-04	1.88E-04
2248	437462.2	3762460	0.002443911	3.99E-04	1.85E-04
2249	437452.8	3762460	0.002410894	3.94E-04	1.83E-04
2250	437443.4	3762460	0.002377877	3.88E-04	1.80E-04
2251	437582	3762450	0.002587857	4.23E-04	1.96E-04
2252	437590.6	3762454	0.002659784	4.35E-04	2.02E-04
2253	437599.2	3762458	0.002730588	4.46E-04	2.07E-04
2254	437607.8	3762461	0.002799896	4.57E-04	2.12E-04
2255	437616.4	3762465	0.002867613	4.68E-04	2.17E-04
2256	437625	3762468	0.00293318	4.79E-04	2.22E-04
2257	437633.7	3762472	0.002996127	4.89E-04	2.27E-04
2258	437642.3	3762475	0.003056549	4.99E-04	2.32E-04
2259	437650.9	3762479	0.003113604	5.09E-04	2.36E-04
2260	437659.5	3762483	0.003167291	5.17E-04	2.40E-04
2261	437668.1	3762486	0.003217425	5.26E-04	2.44E-04
2262	437676.7	3762490	0.003264004	5.33E-04	2.47E-04
2263	437685.3	3762493	0.003306749	5.40E-04	2.51E-04
2264	437694	3762497	0.003345658	5.47E-04	2.54E-04
2265	437702.6	3762500	0.003381013	5.52E-04	2.56E-04
2266	437711.2	3762504	0.003412066	5.57E-04	2.59E-04
2267	437719.8	3762508	0.003439097	5.62E-04	2.61E-04
2268	437728.4	3762511	0.003461919	5.66E-04	2.62E-04
2269	437737	3762515	0.003481467	5.69E-04	2.64E-04
2270	437745.7	3762518	0.003497648	5.71E-04	2.65E-04
2271	437757.8	3762530	0.00367536	6.00E-04	2.79E-04
2272	437761.4	3762539	0.003848395	6.29E-04	2.92E-04
2273	437764.9	3762548	0.004029661	6.58E-04	3.05E-04
2274	437768.5	3762556	0.004220374	6.89E-04	3.20E-04
2275	437772.1	3762565	0.004421001	7.22E-04	3.35E-04
2276	437775.6	3762574	0.004632946	7.57E-04	3.51E-04
2277	437779.2	3762582	0.004857237	7.94E-04	3.68E-04
2278	437782.7	3762591	0.005093219	8.32E-04	3.86E-04
2279	437786.3	3762599	0.005341268	8.73E-04	4.05E-04
2280	437789.9	3762608	0.005601381	9.15E-04	4.24E-04
2281	437793.4	3762617	0.005872907	9.59E-04	4.45E-04
2282	437797	3762625	0.006155187	1.01E-03	4.66E-04

2283	437800.5	3762634	0.006449628	1.05E-03	4.89E-04
2284	437804.1	3762643	0.006756227	1.10E-03	5.12E-04
2285	437807.7	3762651	0.007071619	1.16E-03	5.36E-04
2286	437811.2	3762660	0.0073944	1.21E-03	5.60E-04
2287	437814.8	3762668	0.007722137	1.26E-03	5.85E-04
2288	437818.3	3762677	0.008053523	1.32E-03	6.10E-04
2289	437821.9	3762686	0.008385938	1.37E-03	6.35E-04
2290	437825.5	3762694	0.008713302	1.42E-03	6.60E-04
2291	437829	3762703	0.009033184	1.48E-03	6.84E-04
2292	437832.6	3762712	0.009345582	1.53E-03	7.08E-04
2293	437546.7	3762440	0.002352249	3.84E-04	1.78E-04
2294	437537.3	3762440	0.002332233	3.81E-04	1.77E-04
2295	437527.9	3762440	0.00231044	3.77E-04	1.75E-04
2296	437518.6	3762440	0.002287244	3.74E-04	1.73E-04
2297	437509.2	3762440	0.002262739	3.70E-04	1.71E-04
2298	437499.8	3762440	0.002237391	3.66E-04	1.70E-04
2299	437490.4	3762440	0.002211015	3.61E-04	1.68E-04
2300	437481	3762440	0.002184171	3.57E-04	1.66E-04
2301	437471.6	3762440	0.002156953	3.52E-04	1.63E-04
2302	437462.2	3762440	0.002129548	3.48E-04	1.61E-04
2303	437452.8	3762440	0.002102237	3.43E-04	1.59E-04
2304	437443.4	3762440	0.002075019	3.39E-04	1.57E-04
2305	437581.6	3762430	0.002264983	3.70E-04	1.72E-04
2306	437590.1	3762434	0.002325873	3.80E-04	1.76E-04
2307	437598.6	3762437	0.002386202	3.90E-04	1.81E-04
2308	437607.1	3762441	0.002445688	4.00E-04	1.85E-04
2309	437615.6	3762444	0.002503959	4.09E-04	1.90E-04
2310	437624.1	3762448	0.002560827	4.18E-04	1.94E-04
2311	437632.5	3762451	0.002615917	4.27E-04	1.98E-04
2312	437641	3762455	0.002669137	4.36E-04	2.02E-04
2313	437649.5	3762458	0.002720019	4.44E-04	2.06E-04
2314	437658	3762462	0.002768282	4.52E-04	2.10E-04
2315	437666.5	3762465	0.002814113	4.60E-04	2.13E-04
2316	437675	3762469	0.002857044	4.67E-04	2.16E-04
2317	437683.5	3762473	0.002897076	4.73E-04	2.20E-04
2318	437692	3762476	0.002934209	4.79E-04	2.22E-04
2319	437700.5	3762480	0.002968254	4.85E-04	2.25E-04
2320	437709	3762483	0.002999214	4.90E-04	2.27E-04
2321	437717.5	3762487	0.003026899	4.94E-04	2.29E-04
2322	437726	3762490	0.003051405	4.98E-04	2.31E-04
2323	437734.5	3762494	0.003072917	5.02E-04	2.33E-04
2324	437742.9	3762497	0.003091343	5.05E-04	2.34E-04
2325	437751.4	3762501	0.003106963	5.08E-04	2.35E-04
2326	437759.9	3762504	0.003119683	5.10E-04	2.36E-04
2327	437771.9	3762516	0.003267278	5.34E-04	2.48E-04
2328	437775.4	3762525	0.003409915	5.57E-04	2.58E-04
2329	437778.9	3762533	0.003559099	5.81E-04	2.70E-04
2330	437782.5	3762542	0.003715673	6.07E-04	2.82E-04
2331	437786	3762550	0.003879635	6.34E-04	2.94E-04
2332	437789.5	3762559	0.004051361	6.62E-04	3.07E-04
2333	437793	3762567	0.004232346	6.91E-04	3.21E-04
2334	437796.5	3762576	0.004423527	7.23E-04	3.35E-04

2335	437800	3762584	0.004623967	7.55E-04	3.50E-04
2336	437803.5	3762593	0.004833386	7.90E-04	3.66E-04
2337	437807	3762601	0.005052252	8.25E-04	3.83E-04
2338	437810.5	3762610	0.005280285	8.63E-04	4.00E-04
2339	437814	3762618	0.005516174	9.01E-04	4.18E-04
2340	437817.5	3762627	0.005760293	9.41E-04	4.36E-04
2341	437821.1	3762635	0.006016011	9.83E-04	4.56E-04
2342	437824.6	3762644	0.006281644	1.03E-03	4.76E-04
2343	437828.1	3762652	0.006552514	1.07E-03	4.97E-04
2344	437831.6	3762661	0.006827032	1.12E-03	5.17E-04
2345	437835.1	3762669	0.007106507	1.16E-03	5.39E-04
2346	437838.6	3762678	0.007387198	1.21E-03	5.60E-04
2347	437842.1	3762686	0.007668263	1.25E-03	5.81E-04
2348	437845.6	3762695	0.007944465	1.30E-03	6.02E-04
2349	437849.1	3762703	0.008214493	1.34E-03	6.22E-04
2350	437852.6	3762712	0.008479845	1.39E-03	6.43E-04
2351	437546.7	3762420	0.002064637	3.37E-04	1.56E-04
2352	437537.3	3762420	0.002046398	3.34E-04	1.55E-04
2353	437527.9	3762420	0.002026943	3.31E-04	1.54E-04
2354	437518.6	3762420	0.00200646	3.28E-04	1.52E-04
2355	437509.2	3762420	0.00198504	3.24E-04	1.50E-04
2356	437499.8	3762420	0.00196306	3.21E-04	1.49E-04
2357	437490.4	3762420	0.001940425	3.17E-04	1.47E-04
2358	437481	3762420	0.001917416	3.13E-04	1.45E-04
2359	437471.6	3762420	0.001894314	3.09E-04	1.44E-04
2360	437462.2	3762420	0.001871211	3.06E-04	1.42E-04
2361	437452.8	3762420	0.001848203	3.02E-04	1.40E-04
2362	437443.4	3762420	0.00182538	2.98E-04	1.38E-04
2363	437582.1	3762400	0.001885241	3.08E-04	1.43E-04
2364	437590.7	3762404	0.001935281	3.16E-04	1.47E-04
2365	437599.4	3762408	0.001985134	3.24E-04	1.50E-04
2366	437608	3762411	0.002034332	3.32E-04	1.54E-04
2367	437616.7	3762415	0.002083063	3.40E-04	1.58E-04
2368	437625.3	3762418	0.002130764	3.48E-04	1.61E-04
2369	437634	3762422	0.002177156	3.56E-04	1.65E-04
2370	437642.6	3762426	0.002222332	3.63E-04	1.68E-04
2371	437651.3	3762429	0.002265825	3.70E-04	1.72E-04
2372	437659.9	3762433	0.002307728	3.77E-04	1.75E-04
2373	437668.6	3762436	0.002347479	3.83E-04	1.78E-04
2374	437677.2	3762440	0.00238536	3.90E-04	1.81E-04
2375	437685.9	3762444	0.002421089	3.96E-04	1.83E-04
2376	437694.5	3762447	0.00245448	4.01E-04	1.86E-04
2377	437703.2	3762451	0.002485626	4.06E-04	1.88E-04
2378	437711.8	3762454	0.002514341	4.11E-04	1.91E-04
2379	437720.5	3762458	0.00254081	4.15E-04	1.93E-04
2380	437729.1	3762461	0.002564661	4.19E-04	1.94E-04
2381	437737.8	3762465	0.002586267	4.23E-04	1.96E-04
2382	437746.4	3762469	0.002605348	4.26E-04	1.97E-04
2383	437755.1	3762472	0.002621997	4.28E-04	1.99E-04
2384	437763.7	3762476	0.002636494	4.31E-04	2.00E-04
2385	437772.4	3762479	0.002648934	4.33E-04	2.01E-04
2386	437781	3762483	0.002659503	4.34E-04	2.02E-04

2387	437793.2	3762495	0.002776793	4.54E-04	2.10E-04
2388	437796.8	3762504	0.002890061	4.72E-04	2.19E-04
2389	437800.4	3762513	0.00300838	4.91E-04	2.28E-04
2390	437803.9	3762521	0.003131843	5.12E-04	2.37E-04
2391	437807.5	3762530	0.003261198	5.33E-04	2.47E-04
2392	437811.1	3762538	0.003396259	5.55E-04	2.57E-04
2393	437814.7	3762547	0.003538616	5.78E-04	2.68E-04
2394	437818.2	3762556	0.003688268	6.03E-04	2.79E-04
2395	437821.8	3762564	0.003845589	6.28E-04	2.91E-04
2396	437825.4	3762573	0.004010487	6.55E-04	3.04E-04
2397	437829	3762582	0.004181651	6.83E-04	3.17E-04
2398	437832.5	3762590	0.004360486	7.12E-04	3.30E-04
2399	437836.1	3762599	0.004545961	7.43E-04	3.44E-04
2400	437839.7	3762608	0.004739386	7.74E-04	3.59E-04
2401	437843.3	3762616	0.004940294	8.07E-04	3.74E-04
2402	437846.8	3762625	0.005147188	8.41E-04	3.90E-04
2403	437850.4	3762634	0.005360442	8.76E-04	4.06E-04
2404	437854	3762642	0.005578466	9.11E-04	4.23E-04
2405	437857.6	3762651	0.005800606	9.48E-04	4.40E-04
2406	437861.1	3762660	0.006025551	9.84E-04	4.57E-04
2407	437864.7	3762668	0.00625639	1.02E-03	4.74E-04
2408	437868.3	3762677	0.006487789	1.06E-03	4.92E-04
2409	437871.8	3762686	0.006717037	1.10E-03	5.09E-04
2410	437875.4	3762694	0.006944134	1.13E-03	5.26E-04
2411	437879	3762703	0.007168145	1.17E-03	5.43E-04
2412	437882.6	3762712	0.007386075	1.21E-03	5.60E-04
2413	437546.7	3762390	0.001720718	2.81E-04	1.30E-04
2414	437537.3	3762390	0.001705191	2.79E-04	1.29E-04
2415	437527.9	3762390	0.00168873	2.76E-04	1.28E-04
2416	437518.6	3762390	0.001671613	2.73E-04	1.27E-04
2417	437509.2	3762390	0.001653935	2.70E-04	1.25E-04
2418	437499.8	3762390	0.001635977	2.67E-04	1.24E-04
2419	437490.4	3762390	0.001617645	2.64E-04	1.23E-04
2420	437481	3762390	0.001599219	2.61E-04	1.21E-04
2421	437471.6	3762390	0.001580793	2.58E-04	1.20E-04
2422	437462.2	3762390	0.001562461	2.55E-04	1.18E-04
2423	437452.8	3762390	0.001544409	2.52E-04	1.17E-04
2424	437443.4	3762390	0.001526638	2.49E-04	1.16E-04
2425	437581.6	3762370	0.001586966	2.59E-04	1.20E-04
2426	437590.1	3762374	0.001626998	2.66E-04	1.23E-04
2427	437598.6	3762377	0.00166703	2.72E-04	1.26E-04
2428	437607.1	3762381	0.001706875	2.79E-04	1.29E-04
2429	437615.6	3762384	0.001746346	2.85E-04	1.32E-04
2430	437624.1	3762388	0.001785349	2.92E-04	1.35E-04
2431	437632.5	3762391	0.001823697	2.98E-04	1.38E-04
2432	437641	3762395	0.001861391	3.04E-04	1.41E-04
2433	437649.5	3762398	0.001897962	3.10E-04	1.44E-04
2434	437658	3762402	0.001933504	3.16E-04	1.47E-04
2435	437666.5	3762405	0.001967737	3.21E-04	1.49E-04
2436	437675	3762409	0.00200066	3.27E-04	1.52E-04
2437	437683.5	3762413	0.002032087	3.32E-04	1.54E-04
2438	437692	3762416	0.002062018	3.37E-04	1.56E-04

2439	437700.5	3762420	0.002090265	3.41E-04	1.58E-04
2440	437709	3762423	0.002116828	3.46E-04	1.60E-04
2441	437717.5	3762427	0.002141708	3.50E-04	1.62E-04
2442	437726	3762430	0.002164716	3.54E-04	1.64E-04
2443	437734.4	3762434	0.002186042	3.57E-04	1.66E-04
2444	437742.9	3762437	0.00220559	3.60E-04	1.67E-04
2445	437751.4	3762441	0.002223361	3.63E-04	1.68E-04
2446	437759.9	3762444	0.002239355	3.66E-04	1.70E-04
2447	437768.4	3762448	0.002253666	3.68E-04	1.71E-04
2448	437776.9	3762451	0.002266199	3.70E-04	1.72E-04
2449	437785.4	3762455	0.002277143	3.72E-04	1.73E-04
2450	437793.9	3762458	0.002286683	3.74E-04	1.73E-04
2451	437802.4	3762462	0.00229482	3.75E-04	1.74E-04
2452	437814.4	3762474	0.002386389	3.90E-04	1.81E-04
2453	437817.9	3762482	0.002474683	4.04E-04	1.88E-04
2454	437821.4	3762491	0.002566252	4.19E-04	1.94E-04
2455	437824.9	3762499	0.002661374	4.35E-04	2.02E-04
2456	437828.4	3762508	0.002760706	4.51E-04	2.09E-04
2457	437831.9	3762516	0.002864433	4.68E-04	2.17E-04
2458	437835.4	3762525	0.002972744	4.86E-04	2.25E-04
2459	437838.9	3762533	0.003085918	5.04E-04	2.34E-04
2460	437842.5	3762542	0.003204518	5.24E-04	2.43E-04
2461	437846	3762550	0.003329383	5.44E-04	2.52E-04
2462	437849.5	3762559	0.003459674	5.65E-04	2.62E-04
2463	437853	3762567	0.00359567	5.87E-04	2.72E-04
2464	437856.5	3762576	0.003736343	6.10E-04	2.83E-04
2465	437860	3762584	0.003882348	6.34E-04	2.94E-04
2466	437863.5	3762593	0.004034432	6.59E-04	3.06E-04
2467	437867	3762601	0.004192501	6.85E-04	3.18E-04
2468	437870.5	3762610	0.004354967	7.11E-04	3.30E-04
2469	437874	3762618	0.00452211	7.39E-04	3.43E-04
2470	437877.5	3762627	0.004693181	7.67E-04	3.56E-04
2471	437881.1	3762635	0.00486818	7.95E-04	3.69E-04
2472	437884.6	3762644	0.005046921	8.24E-04	3.82E-04
2473	437888.1	3762652	0.005228093	8.54E-04	3.96E-04
2474	437891.6	3762661	0.005410763	8.84E-04	4.10E-04
2475	437895.1	3762669	0.005595489	9.14E-04	4.24E-04
2476	437898.6	3762678	0.005780029	9.44E-04	4.38E-04
2477	437902.1	3762686	0.005963259	9.74E-04	4.52E-04
2478	437905.6	3762695	0.006143496	1.00E-03	4.66E-04
2479	437909.1	3762703	0.006319898	1.03E-03	4.79E-04
2480	437912.6	3762712	0.006490689	1.06E-03	4.92E-04
2481	437546.7	3762360	0.001455085	2.38E-04	1.10E-04
2482	437537.3	3762360	0.001441617	2.36E-04	1.09E-04
2483	437527.9	3762360	0.001427493	2.33E-04	1.08E-04
2484	437518.5	3762360	0.001413089	2.31E-04	1.07E-04
2485	437509.2	3762360	0.001398405	2.28E-04	1.06E-04
2486	437499.8	3762360	0.001383533	2.26E-04	1.05E-04
2487	437490.4	3762360	0.001368568	2.24E-04	1.04E-04
2488	437481	3762360	0.001353509	2.21E-04	1.03E-04
2489	437471.6	3762360	0.001338637	2.19E-04	1.01E-04
2490	437462.2	3762360	0.001323859	2.16E-04	1.00E-04

2491	437452.8	3762360	0.001309362	2.14E-04	9.92E-05
2492	437443.4	3762360	0.001295145	2.12E-04	9.81E-05
2493	437582	3762340	0.001356408	2.22E-04	1.03E-04
2494	437590.6	3762344	0.001389893	2.27E-04	1.05E-04
2495	437599.2	3762348	0.001423658	2.33E-04	1.08E-04
2496	437607.9	3762351	0.001457143	2.38E-04	1.10E-04
2497	437616.5	3762355	0.001490628	2.44E-04	1.13E-04
2498	437625.1	3762358	0.001523738	2.49E-04	1.15E-04
2499	437633.7	3762362	0.001556288	2.54E-04	1.18E-04
2500	437642.4	3762365	0.001588463	2.59E-04	1.20E-04
2501	437651	3762369	0.00161989	2.65E-04	1.23E-04
2502	437659.6	3762373	0.001650568	2.70E-04	1.25E-04
2503	437668.2	3762376	0.001680312	2.75E-04	1.27E-04
2504	437676.9	3762380	0.001709307	2.79E-04	1.30E-04
2505	437685.5	3762383	0.001737086	2.84E-04	1.32E-04
2506	437694.1	3762387	0.001763743	2.88E-04	1.34E-04
2507	437702.7	3762391	0.00178909	2.92E-04	1.36E-04
2508	437711.4	3762394	0.001813221	2.96E-04	1.37E-04
2509	437720	3762398	0.001836043	3.00E-04	1.39E-04
2510	437728.6	3762401	0.001857369	3.03E-04	1.41E-04
2511	437737.2	3762405	0.001877385	3.07E-04	1.42E-04
2512	437745.9	3762408	0.001895904	3.10E-04	1.44E-04
2513	437754.5	3762412	0.001913114	3.13E-04	1.45E-04
2514	437763.1	3762416	0.001928734	3.15E-04	1.46E-04
2515	437771.7	3762419	0.001943044	3.17E-04	1.47E-04
2516	437780.4	3762423	0.001955858	3.20E-04	1.48E-04
2517	437789	3762426	0.001967456	3.21E-04	1.49E-04
2518	437797.6	3762430	0.001977558	3.23E-04	1.50E-04
2519	437806.2	3762433	0.001986444	3.25E-04	1.51E-04
2520	437814.9	3762437	0.001994113	3.26E-04	1.51E-04
2521	437823.5	3762441	0.002000473	3.27E-04	1.52E-04
2522	437835.7	3762453	0.002075299	3.39E-04	1.57E-04
2523	437839.2	3762461	0.002147413	3.51E-04	1.63E-04
2524	437842.8	3762470	0.002222426	3.63E-04	1.68E-04
2525	437846.4	3762479	0.002300245	3.76E-04	1.74E-04
2526	437849.9	3762487	0.002381244	3.89E-04	1.80E-04
2527	437853.5	3762496	0.002465424	4.03E-04	1.87E-04
2528	437857.1	3762505	0.002553157	4.17E-04	1.93E-04
2529	437860.6	3762513	0.002644632	4.32E-04	2.00E-04
2530	437864.2	3762522	0.002740035	4.48E-04	2.08E-04
2531	437867.7	3762530	0.002839554	4.64E-04	2.15E-04
2532	437871.3	3762539	0.002943468	4.81E-04	2.23E-04
2533	437874.9	3762548	0.003052247	4.99E-04	2.31E-04
2534	437878.4	3762556	0.003165701	5.17E-04	2.40E-04
2535	437882	3762565	0.00328374	5.36E-04	2.49E-04
2536	437885.6	3762574	0.003406454	5.56E-04	2.58E-04
2537	437889.1	3762582	0.003534032	5.77E-04	2.68E-04
2538	437892.7	3762591	0.003666194	5.99E-04	2.78E-04
2539	437896.3	3762599	0.003802658	6.21E-04	2.88E-04
2540	437899.8	3762608	0.003942582	6.44E-04	2.99E-04
2541	437903.4	3762617	0.004086155	6.68E-04	3.10E-04
2542	437906.9	3762625	0.004233001	6.92E-04	3.21E-04

2543	437910.5	3762634	0.00438284	7.16E-04	3.32E-04
2544	437914.1	3762643	0.004534737	7.41E-04	3.44E-04
2545	437917.6	3762651	0.004688224	7.66E-04	3.55E-04
2546	437921.2	3762660	0.004842365	7.91E-04	3.67E-04
2547	437924.8	3762669	0.004997068	8.16E-04	3.79E-04
2548	437928.3	3762677	0.005150742	8.41E-04	3.90E-04
2549	437931.9	3762686	0.005302265	8.66E-04	4.02E-04
2550	437935.5	3762694	0.005451449	8.91E-04	4.13E-04
2551	437939	3762703	0.005597827	9.14E-04	4.24E-04
2552	437942.6	3762712	0.005739809	9.38E-04	4.35E-04
2553	437546.7	3762330	0.001245853	2.04E-04	9.44E-05
2554	437537.3	3762330	0.001234162	2.02E-04	9.35E-05
2555	437527.9	3762330	0.001222096	2.00E-04	9.26E-05
2556	437518.5	3762330	0.001209843	1.98E-04	9.17E-05
2557	437509.2	3762330	0.00119759	1.96E-04	9.07E-05
2558	437499.8	3762330	0.00118515	1.94E-04	8.98E-05
2559	437490.4	3762330	0.001172804	1.92E-04	8.89E-05
2560	437481	3762330	0.001160364	1.90E-04	8.79E-05
2561	437471.6	3762330	0.001148112	1.88E-04	8.70E-05
2562	437462.2	3762330	0.001135952	1.86E-04	8.61E-05
2563	437452.8	3762330	0.001124167	1.84E-04	8.52E-05
2564	437443.4	3762330	0.001112569	1.82E-04	8.43E-05
2565	437581.6	3762310	0.001169624	1.91E-04	8.86E-05
2566	437590.1	3762314	0.001197216	1.96E-04	9.07E-05
2567	437598.6	3762317	0.001224902	2.00E-04	9.28E-05
2568	437607.1	3762321	0.001252587	2.05E-04	9.49E-05
2569	437615.6	3762324	0.001280179	2.09E-04	9.70E-05
2570	437624	3762328	0.001307678	2.14E-04	9.91E-05
2571	437632.5	3762331	0.00133499	2.18E-04	1.01E-04
2572	437641	3762335	0.001362114	2.23E-04	1.03E-04
2573	437649.5	3762338	0.001388677	2.27E-04	1.05E-04
2574	437658	3762342	0.001414773	2.31E-04	1.07E-04
2575	437666.5	3762345	0.001440307	2.35E-04	1.09E-04
2576	437675	3762349	0.001465093	2.39E-04	1.11E-04
2577	437683.5	3762353	0.001489225	2.43E-04	1.13E-04
2578	437692	3762356	0.001512608	2.47E-04	1.15E-04
2579	437700.5	3762360	0.001535056	2.51E-04	1.16E-04
2580	437709	3762363	0.001556662	2.54E-04	1.18E-04
2581	437717.5	3762367	0.001577239	2.58E-04	1.20E-04
2582	437726	3762370	0.00159688	2.61E-04	1.21E-04
2583	437734.4	3762374	0.0016154	2.64E-04	1.22E-04
2584	437742.9	3762377	0.001632891	2.67E-04	1.24E-04
2585	437751.4	3762381	0.001649259	2.69E-04	1.25E-04
2586	437759.9	3762384	0.001664505	2.72E-04	1.26E-04
2587	437768.4	3762388	0.001678815	2.74E-04	1.27E-04
2588	437776.9	3762391	0.001692003	2.76E-04	1.28E-04
2589	437785.4	3762395	0.001704256	2.78E-04	1.29E-04
2590	437793.9	3762398	0.001715386	2.80E-04	1.30E-04
2591	437802.4	3762402	0.001725581	2.82E-04	1.31E-04
2592	437810.9	3762405	0.00173456	2.83E-04	1.31E-04
2593	437819.4	3762409	0.001742511	2.85E-04	1.32E-04
2594	437827.9	3762412	0.001749526	2.86E-04	1.33E-04

2595	437836.3	3762416	0.001755512	2.87E-04	1.33E-04
2596	437844.8	3762419	0.001760562	2.88E-04	1.33E-04
2597	437856.8	3762431	0.001820704	2.97E-04	1.38E-04
2598	437860.4	3762440	0.001878507	3.07E-04	1.42E-04
2599	437863.9	3762448	0.001938368	3.17E-04	1.47E-04
2600	437867.4	3762457	0.002000473	3.27E-04	1.52E-04
2601	437870.9	3762465	0.002064637	3.37E-04	1.56E-04
2602	437874.4	3762474	0.002131419	3.48E-04	1.62E-04
2603	437877.9	3762482	0.002200727	3.60E-04	1.67E-04
2604	437881.4	3762491	0.002272653	3.71E-04	1.72E-04
2605	437884.9	3762499	0.002347479	3.83E-04	1.78E-04
2606	437888.4	3762508	0.002425485	3.96E-04	1.84E-04
2607	437891.9	3762516	0.002506391	4.09E-04	1.90E-04
2608	437895.4	3762525	0.002590944	4.23E-04	1.96E-04
2609	437898.9	3762533	0.002678865	4.38E-04	2.03E-04
2610	437902.5	3762542	0.002770433	4.53E-04	2.10E-04
2611	437906	3762550	0.002865462	4.68E-04	2.17E-04
2612	437909.5	3762559	0.002964233	4.84E-04	2.25E-04
2613	437913	3762567	0.003066276	5.01E-04	2.32E-04
2614	437916.5	3762576	0.003171968	5.18E-04	2.40E-04
2615	437920	3762584	0.003281775	5.36E-04	2.49E-04
2616	437923.5	3762593	0.003395324	5.55E-04	2.57E-04
2617	437930.5	3762610	0.003631213	5.93E-04	2.75E-04
2618	437934	3762618	0.003753086	6.13E-04	2.84E-04
2619	437937.5	3762627	0.003877203	6.33E-04	2.94E-04
2620	437941.1	3762635	0.00400263	6.54E-04	3.03E-04
2621	437546.7	3762300	0.00107843	1.76E-04	8.17E-05
2622	437537.3	3762300	0.001068422	1.75E-04	8.10E-05
2623	437527.9	3762300	0.001058227	1.73E-04	8.02E-05
2624	437518.5	3762300	0.001047938	1.71E-04	7.94E-05
2625	437509.2	3762300	0.001037556	1.70E-04	7.86E-05
2626	437499.8	3762300	0.001027081	1.68E-04	7.78E-05
2627	437490.4	3762300	0.001016511	1.66E-04	7.70E-05
2628	437481	3762300	0.001006129	1.64E-04	7.62E-05
2629	437471.6	3762300	0.000995841	1.63E-04	7.55E-05
2630	437462.2	3762300	0.000985739	1.61E-04	7.47E-05
2631	437452.8	3762300	0.000975918	1.59E-04	7.40E-05
2632	437443.4	3762300	0.000966378	1.58E-04	7.32E-05
2633	437581.9	3762280	0.001020627	1.67E-04	7.73E-05
2634	437590.5	3762284	0.001044197	1.71E-04	7.91E-05
2635	437599.1	3762288	0.001067954	1.74E-04	8.09E-05
2636	437607.7	3762291	0.001091805	1.78E-04	8.27E-05
2637	437616.4	3762295	0.001115656	1.82E-04	8.45E-05
2638	437625	3762298	0.00113932	1.86E-04	8.63E-05
2639	437633.6	3762302	0.00116289	1.90E-04	8.81E-05
2640	437642.2	3762305	0.001186179	1.94E-04	8.99E-05
2641	437650.8	3762309	0.001209282	1.98E-04	9.16E-05
2642	437659.4	3762313	0.00123201	2.01E-04	9.34E-05
2643	437668	3762316	0.001254365	2.05E-04	9.51E-05
2644	437676.6	3762320	0.001276158	2.08E-04	9.67E-05
2645	437685.2	3762323	0.001297483	2.12E-04	9.83E-05
2646	437693.8	3762327	0.001318154	2.15E-04	9.99E-05

2647	437702.4	3762330	0.001338263	2.19E-04	1.01E-04
2648	437711	3762334	0.001357625	2.22E-04	1.03E-04
2649	437719.6	3762338	0.001376144	2.25E-04	1.04E-04
2650	437728.2	3762341	0.001394009	2.28E-04	1.06E-04
2651	437736.9	3762345	0.001411031	2.31E-04	1.07E-04
2652	437745.5	3762348	0.001427213	2.33E-04	1.08E-04
2653	437754.1	3762352	0.001442552	2.36E-04	1.09E-04
2654	437762.7	3762355	0.001456862	2.38E-04	1.10E-04
2655	437771.3	3762359	0.001470425	2.40E-04	1.11E-04
2656	437779.9	3762362	0.001482864	2.42E-04	1.12E-04
2657	437788.5	3762366	0.001494649	2.44E-04	1.13E-04
2658	437797.1	3762370	0.001505593	2.46E-04	1.14E-04
2659	437805.7	3762373	0.001515507	2.48E-04	1.15E-04
2660	437814.3	3762377	0.001524674	2.49E-04	1.16E-04
2661	437822.9	3762380	0.001532998	2.50E-04	1.16E-04
2662	437831.5	3762384	0.001540574	2.52E-04	1.17E-04
2663	437840.1	3762387	0.001547215	2.53E-04	1.17E-04
2664	437848.7	3762391	0.001553107	2.54E-04	1.18E-04
2665	437857.3	3762395	0.001558065	2.55E-04	1.18E-04
2666	437866	3762398	0.001562274	2.55E-04	1.18E-04
2667	437878.1	3762410	0.001612688	2.63E-04	1.22E-04
2668	437881.7	3762419	0.001661044	2.71E-04	1.26E-04
2669	437885.2	3762428	0.001711084	2.80E-04	1.30E-04
2670	437888.8	3762436	0.001762901	2.88E-04	1.34E-04
2671	437892.3	3762445	0.001816308	2.97E-04	1.38E-04
2672	437895.9	3762453	0.001871679	3.06E-04	1.42E-04
2673	437899.5	3762462	0.001929015	3.15E-04	1.46E-04
2674	437903	3762471	0.001988408	3.25E-04	1.51E-04
2675	437906.6	3762479	0.002050233	3.35E-04	1.55E-04
2676	437910.1	3762488	0.002114396	3.45E-04	1.60E-04
2677	437913.7	3762496	0.002180991	3.56E-04	1.65E-04
2678	437917.2	3762505	0.002250299	3.68E-04	1.71E-04
2679	437920.8	3762514	0.002322319	3.79E-04	1.76E-04
2680	437924.3	3762522	0.002397145	3.92E-04	1.82E-04
2681	437927.9	3762531	0.002474964	4.04E-04	1.88E-04
2682	437931.5	3762540	0.002555589	4.17E-04	1.94E-04
2683	437935	3762548	0.002638926	4.31E-04	2.00E-04
2684	437938.6	3762557	0.002725163	4.45E-04	2.07E-04
2685	437995.5	3762695	0.00438443	7.16E-04	3.32E-04
2686	437999	3762703	0.00448451	7.33E-04	3.40E-04
2687	438002.6	3762712	0.004581503	7.48E-04	3.47E-04
2688	437546.7	3762270	0.000943088	1.54E-04	7.15E-05
2689	437537.3	3762270	0.000934577	1.53E-04	7.08E-05
2690	437527.9	3762270	0.000925878	1.51E-04	7.02E-05
2691	437518.5	3762270	0.000916993	1.50E-04	6.95E-05
2692	437509.2	3762270	0.000908107	1.48E-04	6.88E-05
2693	437499.8	3762270	0.000899222	1.47E-04	6.81E-05
2694	437490.4	3762270	0.000890243	1.45E-04	6.75E-05
2695	437481	3762270	0.00088145	1.44E-04	6.68E-05
2696	437471.6	3762270	0.000872752	1.43E-04	6.61E-05
2697	437462.2	3762270	0.000864334	1.41E-04	6.55E-05
2698	437452.8	3762270	0.00085601	1.40E-04	6.49E-05

2699	437443.4	3762270	0.000848059	1.39E-04	6.43E-05
2700	437649.5	3762278	0.00105673	1.73E-04	8.01E-05
2701	437658	3762282	0.001076185	1.76E-04	8.15E-05
2702	437666.5	3762285	0.001095359	1.79E-04	8.30E-05
2703	437675	3762289	0.001114253	1.82E-04	8.44E-05
2704	437683.5	3762293	0.001132772	1.85E-04	8.58E-05
2705	437692	3762296	0.001150824	1.88E-04	8.72E-05
2706	437700.5	3762300	0.001168502	1.91E-04	8.85E-05
2707	437709	3762303	0.001185618	1.94E-04	8.98E-05
2708	437717.5	3762307	0.001202267	1.96E-04	9.11E-05
2709	437725.9	3762310	0.001218261	1.99E-04	9.23E-05
2710	437734.4	3762314	0.001233694	2.02E-04	9.35E-05
2711	437742.9	3762317	0.001248566	2.04E-04	9.46E-05
2712	437751.4	3762321	0.001262689	2.06E-04	9.57E-05
2713	437759.9	3762324	0.001276251	2.08E-04	9.67E-05
2714	437768.4	3762328	0.001289065	2.11E-04	9.77E-05
2715	437776.9	3762331	0.001301318	2.13E-04	9.86E-05
2716	437785.4	3762335	0.001312729	2.14E-04	9.95E-05
2717	437793.9	3762338	0.001323485	2.16E-04	1.00E-04
2718	437802.4	3762342	0.001333587	2.18E-04	1.01E-04
2719	437810.9	3762345	0.001343033	2.19E-04	1.02E-04
2720	437819.4	3762349	0.001351732	2.21E-04	1.02E-04
2721	437827.9	3762352	0.001359682	2.22E-04	1.03E-04
2722	437836.3	3762356	0.001366978	2.23E-04	1.04E-04
2723	437844.8	3762359	0.001373618	2.24E-04	1.04E-04
2724	437853.3	3762363	0.001379698	2.25E-04	1.05E-04
2725	437861.8	3762366	0.00138503	2.26E-04	1.05E-04
2726	437870.3	3762370	0.001389613	2.27E-04	1.05E-04
2727	437878.8	3762374	0.001393634	2.28E-04	1.06E-04
2728	437887.3	3762377	0.001396908	2.28E-04	1.06E-04
2729	437899.3	3762389	0.001438343	2.35E-04	1.09E-04
2730	437902.8	3762398	0.001478188	2.41E-04	1.12E-04
2731	437906.3	3762406	0.001519342	2.48E-04	1.15E-04
2732	437909.8	3762415	0.001561806	2.55E-04	1.18E-04
2733	437913.3	3762423	0.001605392	2.62E-04	1.22E-04
2734	437916.8	3762432	0.001650381	2.70E-04	1.25E-04
2735	437920.4	3762440	0.001696867	2.77E-04	1.29E-04
2736	437923.9	3762449	0.001744943	2.85E-04	1.32E-04
2737	437927.4	3762457	0.001794608	2.93E-04	1.36E-04
2738	437930.9	3762466	0.001846145	3.02E-04	1.40E-04
2739	437934.4	3762474	0.001899645	3.10E-04	1.44E-04
2740	437937.9	3762483	0.001954923	3.19E-04	1.48E-04
2741	437941.4	3762491	0.002012352	3.29E-04	1.52E-04
2742	437944.9	3762500	0.002071932	3.38E-04	1.57E-04
2743	437994	3762618	0.003153823	5.15E-04	2.39E-04
2744	437997.5	3762627	0.003244736	5.30E-04	2.46E-04
2745	438001.1	3762635	0.003336305	5.45E-04	2.53E-04
2746	438004.6	3762644	0.003428153	5.60E-04	2.60E-04
2747	438008.1	3762652	0.003519816	5.75E-04	2.67E-04
2748	438011.6	3762661	0.003611197	5.90E-04	2.74E-04
2749	438015.1	3762669	0.003701549	6.05E-04	2.80E-04
2750	438018.6	3762678	0.003790779	6.19E-04	2.87E-04

2751	438022.1	3762686	0.003878793	6.34E-04	2.94E-04
2752	438025.6	3762695	0.003964656	6.48E-04	3.00E-04
2753	438029.1	3762703	0.004047994	6.61E-04	3.07E-04
2754	438032.6	3762712	0.004128525	6.74E-04	3.13E-04
2755	437546.7	3762240	0.000832814	1.36E-04	6.31E-05
2756	437537.3	3762240	0.000825237	1.35E-04	6.25E-05
2757	437527.9	3762240	0.000817474	1.34E-04	6.19E-05
2758	437518.5	3762240	0.000809805	1.32E-04	6.14E-05
2759	437509.1	3762240	0.000802041	1.31E-04	6.08E-05
2760	437499.8	3762240	0.000794465	1.30E-04	6.02E-05
2761	437490.4	3762240	0.000786796	1.29E-04	5.96E-05
2762	437481	3762240	0.000779313	1.27E-04	5.91E-05
2763	437471.6	3762240	0.00077183	1.26E-04	5.85E-05
2764	437462.2	3762240	0.000764628	1.25E-04	5.79E-05
2765	437452.8	3762240	0.000757613	1.24E-04	5.74E-05
2766	437443.4	3762240	0.000750786	1.23E-04	5.69E-05
2767	437719.4	3762277	0.001064774	1.74E-04	8.07E-05
2768	437728	3762281	0.001079272	1.76E-04	8.18E-05
2769	437736.6	3762285	0.001093395	1.79E-04	8.29E-05
2770	437745.2	3762288	0.001107051	1.81E-04	8.39E-05
2771	437753.7	3762292	0.001120145	1.83E-04	8.49E-05
2772	437762.3	3762295	0.001132679	1.85E-04	8.58E-05
2773	437770.9	3762299	0.001144557	1.87E-04	8.67E-05
2774	437779.5	3762302	0.001155968	1.89E-04	8.76E-05
2775	437788.1	3762306	0.001166818	1.91E-04	8.84E-05
2776	437796.7	3762309	0.001177013	1.92E-04	8.92E-05
2777	437805.3	3762313	0.001186647	1.94E-04	8.99E-05
2778	437813.9	3762317	0.00119572	1.95E-04	9.06E-05
2779	437822.5	3762320	0.001204138	1.97E-04	9.12E-05
2780	437831.1	3762324	0.001212088	1.98E-04	9.18E-05
2781	437839.7	3762327	0.001219477	1.99E-04	9.24E-05
2782	437848.3	3762331	0.001226211	2.00E-04	9.29E-05
2783	437856.9	3762334	0.001232478	2.01E-04	9.34E-05
2784	437865.5	3762338	0.00123809	2.02E-04	9.38E-05
2785	437874	3762342	0.001243141	2.03E-04	9.42E-05
2786	437882.6	3762345	0.00124763	2.04E-04	9.45E-05
2787	437891.2	3762349	0.001251652	2.04E-04	9.48E-05
2788	437899.8	3762352	0.001255113	2.05E-04	9.51E-05
2789	437908.4	3762356	0.001257919	2.06E-04	9.53E-05
2790	437920.6	3762368	0.001293274	2.11E-04	9.80E-05
2791	437924.1	3762377	0.001327226	2.17E-04	1.01E-04
2792	437927.7	3762385	0.001362208	2.23E-04	1.03E-04
2793	437931.2	3762394	0.001398124	2.28E-04	1.06E-04
2794	437934.8	3762402	0.001435069	2.34E-04	1.09E-04
2795	437938.3	3762411	0.001473137	2.41E-04	1.12E-04
2796	437941.9	3762420	0.001512421	2.47E-04	1.15E-04
2797	437945.4	3762428	0.00155292	2.54E-04	1.18E-04
2798	437949	3762437	0.001594916	2.61E-04	1.21E-04
2799	437952.5	3762445	0.001638128	2.68E-04	1.24E-04
2800	437956.1	3762454	0.001683024	2.75E-04	1.28E-04
2801	438005.8	3762574	0.002508448	4.10E-04	1.90E-04
2802	438009.3	3762583	0.002582713	4.22E-04	1.96E-04

2803	438012.9	3762591	0.002658288	4.34E-04	2.01E-04
2804	438016.4	3762600	0.002735171	4.47E-04	2.07E-04
2805	438020	3762609	0.00281299	4.60E-04	2.13E-04
2806	438023.5	3762617	0.002891651	4.72E-04	2.19E-04
2807	438027.1	3762626	0.00297078	4.85E-04	2.25E-04
2808	438030.6	3762634	0.003050376	4.98E-04	2.31E-04
2809	438034.2	3762643	0.003130253	5.11E-04	2.37E-04
2810	438037.7	3762652	0.003210129	5.24E-04	2.43E-04
2811	438041.3	3762660	0.003289632	5.37E-04	2.49E-04
2812	438044.8	3762669	0.003368012	5.50E-04	2.55E-04
2813	438048.4	3762677	0.003445551	5.63E-04	2.61E-04
2814	438051.9	3762686	0.003521686	5.75E-04	2.67E-04
2815	438055.5	3762695	0.003595857	5.87E-04	2.72E-04
2816	438059	3762703	0.00366769	5.99E-04	2.78E-04
2817	438062.6	3762712	0.003737092	6.11E-04	2.83E-04
2818	437546.7	3762210	0.000741339	1.21E-04	5.62E-05
2819	437537.3	3762210	0.000734511	1.20E-04	5.57E-05
2820	437527.9	3762210	0.000727589	1.19E-04	5.51E-05
2821	437518.5	3762210	0.000720762	1.18E-04	5.46E-05
2822	437509.1	3762210	0.000714121	1.17E-04	5.41E-05
2823	437499.8	3762210	0.00070748	1.16E-04	5.36E-05
2824	437490.4	3762210	0.000700933	1.15E-04	5.31E-05
2825	437481	3762210	0.000694479	1.13E-04	5.26E-05
2826	437471.6	3762210	0.000688212	1.12E-04	5.21E-05
2827	437462.2	3762210	0.000681946	1.11E-04	5.17E-05
2828	437452.8	3762210	0.00067596	1.10E-04	5.12E-05
2829	437443.4	3762210	0.000670161	1.09E-04	5.08E-05
2830	437793.9	3762278	0.001046909	1.71E-04	7.93E-05
2831	437802.4	3762282	0.001056169	1.73E-04	8.00E-05
2832	437810.9	3762285	0.001064961	1.74E-04	8.07E-05
2833	437819.4	3762289	0.001073286	1.75E-04	8.13E-05
2834	437827.8	3762292	0.001081142	1.77E-04	8.19E-05
2835	437836.3	3762296	0.001088625	1.78E-04	8.25E-05
2836	437844.8	3762299	0.001095546	1.79E-04	8.30E-05
2837	437853.3	3762303	0.001102	1.80E-04	8.35E-05
2838	437861.8	3762306	0.00110808	1.81E-04	8.40E-05
2839	437870.3	3762310	0.001113692	1.82E-04	8.44E-05
2840	437878.8	3762314	0.001118742	1.83E-04	8.48E-05
2841	437887.3	3762317	0.001123419	1.84E-04	8.51E-05
2842	437895.8	3762321	0.001127628	1.84E-04	8.54E-05
2843	437904.3	3762324	0.001131369	1.85E-04	8.57E-05
2844	437912.8	3762328	0.001134643	1.85E-04	8.60E-05
2845	437921.3	3762331	0.001137542	1.86E-04	8.62E-05
2846	437929.8	3762335	0.001139881	1.86E-04	8.64E-05
2847	437941.8	3762347	0.001169811	1.91E-04	8.86E-05
2848	437945.3	3762355	0.001198339	1.96E-04	9.08E-05
2849	437948.8	3762364	0.001227427	2.01E-04	9.30E-05
2850	437952.3	3762372	0.001257451	2.05E-04	9.53E-05
2851	437955.8	3762381	0.001288317	2.10E-04	9.76E-05
2852	437983.9	3762449	0.00156985	2.56E-04	1.19E-04
2853	437987.4	3762457	0.001610536	2.63E-04	1.22E-04
2854	437990.9	3762466	0.001652626	2.70E-04	1.25E-04

2855	437994.4	3762474	0.001696212	2.77E-04	1.29E-04
2856	437997.9	3762483	0.001741388	2.84E-04	1.32E-04
2857	438001.4	3762491	0.001788155	2.92E-04	1.35E-04
2858	438004.9	3762500	0.001836604	3.00E-04	1.39E-04
2859	438008.4	3762508	0.001886738	3.08E-04	1.43E-04
2860	438011.9	3762517	0.001938835	3.17E-04	1.47E-04
2861	438015.4	3762525	0.001992617	3.26E-04	1.51E-04
2862	438018.9	3762534	0.002047988	3.35E-04	1.55E-04
2863	438022.5	3762542	0.002105043	3.44E-04	1.60E-04
2864	438026	3762551	0.002163688	3.53E-04	1.64E-04
2865	438029.5	3762559	0.002223735	3.63E-04	1.69E-04
2866	438033	3762568	0.00228528	3.73E-04	1.73E-04
2867	438036.5	3762576	0.002348227	3.84E-04	1.78E-04
2868	438040	3762585	0.002412578	3.94E-04	1.83E-04
2869	438043.5	3762593	0.002477957	4.05E-04	1.88E-04
2870	438047	3762602	0.002544365	4.16E-04	1.93E-04
2871	438050.5	3762610	0.002611428	4.27E-04	1.98E-04
2872	438054	3762619	0.002678865	4.38E-04	2.03E-04
2873	438057.5	3762627	0.002746769	4.49E-04	2.08E-04
2874	438061.1	3762636	0.002815329	4.60E-04	2.13E-04
2875	438064.6	3762644	0.002884169	4.71E-04	2.19E-04
2876	438068.1	3762653	0.002952634	4.82E-04	2.24E-04
2877	438071.6	3762661	0.003020633	4.93E-04	2.29E-04
2878	438075.1	3762670	0.003087227	5.04E-04	2.34E-04
2879	438078.6	3762678	0.003153075	5.15E-04	2.39E-04
2880	438082.1	3762687	0.003217519	5.26E-04	2.44E-04
2881	438085.6	3762695	0.003280466	5.36E-04	2.49E-04
2882	438089.1	3762704	0.003341823	5.46E-04	2.53E-04
2883	438092.6	3762712	0.003401123	5.56E-04	2.58E-04
2884	437546.7	3762180	0.000664549	1.09E-04	5.04E-05
2885	437537.3	3762180	0.000658562	1.08E-04	4.99E-05
2886	437527.9	3762180	0.000652576	1.07E-04	4.94E-05
2887	437518.5	3762180	0.00064659	1.06E-04	4.90E-05
2888	437509.1	3762180	0.000640698	1.05E-04	4.85E-05
2889	437499.8	3762180	0.000634805	1.04E-04	4.81E-05
2890	437490.4	3762180	0.000629006	1.03E-04	4.77E-05
2891	437481	3762180	0.000623394	1.02E-04	4.72E-05
2892	437471.6	3762180	0.000617876	1.01E-04	4.68E-05
2893	437462.2	3762180	0.000612544	1.00E-04	4.64E-05
2894	437452.8	3762180	0.000607494	9.92E-05	4.60E-05
2895	437443.4	3762180	0.000602536	9.84E-05	4.57E-05
2896	437865.1	3762278	0.001000517	1.63E-04	7.58E-05
2897	437873.6	3762281	0.001006129	1.64E-04	7.62E-05
2898	437882.2	3762285	0.001011274	1.65E-04	7.66E-05
2899	437890.8	3762288	0.001016137	1.66E-04	7.70E-05
2900	437899.4	3762292	0.001020533	1.67E-04	7.73E-05
2901	437908	3762296	0.001024555	1.67E-04	7.76E-05
2902	437916.6	3762299	0.001028109	1.68E-04	7.79E-05
2903	437925.1	3762303	0.001031383	1.68E-04	7.82E-05
2904	437933.7	3762306	0.001034282	1.69E-04	7.84E-05
2905	437942.3	3762310	0.001036714	1.69E-04	7.86E-05
2906	437950.9	3762313	0.001038772	1.70E-04	7.87E-05

2907	437984.3	3762377	0.001222283	2.00E-04	9.26E-05
2908	437987.8	3762386	0.001250904	2.04E-04	9.48E-05
2909	437991.4	3762394	0.00128046	2.09E-04	9.70E-05
2910	437994.9	3762403	0.001310671	2.14E-04	9.93E-05
2911	437998.5	3762411	0.001341911	2.19E-04	1.02E-04
2912	438002	3762420	0.001373993	2.24E-04	1.04E-04
2913	438005.6	3762429	0.001407477	2.30E-04	1.07E-04
2914	438009.1	3762437	0.001442084	2.36E-04	1.09E-04
2915	438012.7	3762446	0.001477814	2.41E-04	1.12E-04
2916	438016.2	3762454	0.001514759	2.47E-04	1.15E-04
2917	438019.8	3762463	0.001553107	2.54E-04	1.18E-04
2918	438023.3	3762472	0.001592859	2.60E-04	1.21E-04
2919	438026.8	3762480	0.001633919	2.67E-04	1.24E-04
2920	438030.4	3762489	0.001676477	2.74E-04	1.27E-04
2921	438033.9	3762497	0.001720531	2.81E-04	1.30E-04
2922	438037.5	3762506	0.001766081	2.89E-04	1.34E-04
2923	438041	3762514	0.001813128	2.96E-04	1.37E-04
2924	438044.6	3762523	0.001861578	3.04E-04	1.41E-04
2925	438048.1	3762532	0.001911524	3.12E-04	1.45E-04
2926	438051.7	3762540	0.00196278	3.21E-04	1.49E-04
2927	438055.2	3762549	0.002015158	3.29E-04	1.53E-04
2928	438058.8	3762557	0.002068659	3.38E-04	1.57E-04
2929	438062.3	3762566	0.002123095	3.47E-04	1.61E-04
2930	438065.9	3762575	0.002178933	3.56E-04	1.65E-04
2931	438069.4	3762583	0.002235988	3.65E-04	1.69E-04
2932	438073	3762592	0.002293978	3.75E-04	1.74E-04
2933	438076.5	3762600	0.002352717	3.84E-04	1.78E-04
2934	438080	3762609	0.002412203	3.94E-04	1.83E-04
2935	438083.6	3762618	0.002472345	4.04E-04	1.87E-04
2936	438087.1	3762626	0.00253286	4.14E-04	1.92E-04
2937	438090.7	3762635	0.00259347	4.24E-04	1.97E-04
2938	438094.2	3762643	0.002653798	4.34E-04	2.01E-04
2939	438097.8	3762652	0.002713939	4.43E-04	2.06E-04
2940	438101.3	3762660	0.002773426	4.53E-04	2.10E-04
2941	438104.9	3762669	0.002831603	4.63E-04	2.15E-04
2942	438108.4	3762678	0.002888378	4.72E-04	2.19E-04
2943	438112	3762686	0.002944123	4.81E-04	2.23E-04
2944	438115.5	3762695	0.002998559	4.90E-04	2.27E-04
2945	438119.1	3762703	0.003051779	4.99E-04	2.31E-04
2946	438122.6	3762712	0.003103222	5.07E-04	2.35E-04
2947	437546.7	3762150	0.000600198	9.81E-05	4.55E-05
2948	437537.3	3762150	0.00059496	9.72E-05	4.51E-05
2949	437527.9	3762150	0.000589629	9.63E-05	4.47E-05
2950	437518.5	3762150	0.000584391	9.55E-05	4.43E-05
2951	437509.1	3762150	0.000579153	9.46E-05	4.39E-05
2952	437499.7	3762150	0.000574009	9.38E-05	4.35E-05
2953	437490.4	3762150	0.000568958	9.29E-05	4.31E-05
2954	437481	3762150	0.000563908	9.21E-05	4.27E-05
2955	437471.6	3762150	0.000559044	9.13E-05	4.24E-05
2956	437462.2	3762150	0.00055418	9.05E-05	4.20E-05
2957	437452.8	3762150	0.000549597	8.98E-05	4.16E-05
2958	437443.4	3762150	0.000545201	8.91E-05	4.13E-05

2959	437937.4	3762278	0.00094234	1.54E-04	7.14E-05
2960	437946	3762281	0.000945146	1.54E-04	7.16E-05
2961	437954.7	3762285	0.000947578	1.55E-04	7.18E-05
2962	438016.5	3762382	0.001187302	1.94E-04	9.00E-05
2963	438020.1	3762391	0.001214146	1.98E-04	9.20E-05
2964	438023.7	3762400	0.001241831	2.03E-04	9.41E-05
2965	438027.2	3762408	0.001270359	2.08E-04	9.63E-05
2966	438030.8	3762417	0.001299821	2.12E-04	9.85E-05
2967	438034.4	3762426	0.001330219	2.17E-04	1.01E-04
2968	438038	3762434	0.001361646	2.22E-04	1.03E-04
2969	438041.6	3762443	0.001394196	2.28E-04	1.06E-04
2970	438045.1	3762452	0.001427961	2.33E-04	1.08E-04
2971	438048.7	3762460	0.001462942	2.39E-04	1.11E-04
2972	438052.3	3762469	0.001499233	2.45E-04	1.14E-04
2973	438055.9	3762478	0.001536739	2.51E-04	1.16E-04
2974	438059.5	3762486	0.001575462	2.57E-04	1.19E-04
2975	438063.1	3762495	0.001615587	2.64E-04	1.22E-04
2976	438066.6	3762504	0.001657022	2.71E-04	1.26E-04
2977	438070.2	3762513	0.001699766	2.78E-04	1.29E-04
2978	438073.8	3762521	0.001743633	2.85E-04	1.32E-04
2979	438077.4	3762530	0.001788622	2.92E-04	1.36E-04
2980	438081	3762539	0.00183464	3.00E-04	1.39E-04
2981	438084.5	3762547	0.0018815	3.07E-04	1.43E-04
2982	438088.1	3762556	0.001929295	3.15E-04	1.46E-04
2983	438091.7	3762565	0.001978026	3.23E-04	1.50E-04
2984	438095.3	3762573	0.002028066	3.31E-04	1.54E-04
2985	438098.9	3762582	0.002079509	3.40E-04	1.58E-04
2986	438102.4	3762591	0.002131512	3.48E-04	1.62E-04
2987	438106	3762599	0.002184078	3.57E-04	1.65E-04
2988	438109.6	3762608	0.002237204	3.65E-04	1.70E-04
2989	438113.2	3762617	0.002290424	3.74E-04	1.74E-04
2990	438116.8	3762625	0.002343644	3.83E-04	1.78E-04
2991	438120.3	3762634	0.002396958	3.92E-04	1.82E-04
2992	438123.9	3762643	0.002450458	4.00E-04	1.86E-04
2993	438127.5	3762651	0.002503398	4.09E-04	1.90E-04
2994	438131.1	3762660	0.002555963	4.18E-04	1.94E-04
2995	438134.7	3762669	0.002606751	4.26E-04	1.98E-04
2996	438138.2	3762677	0.002656417	4.34E-04	2.01E-04
2997	438141.8	3762686	0.00270496	4.42E-04	2.05E-04
2998	438145.4	3762695	0.002752101	4.50E-04	2.09E-04
2999	438149	3762703	0.002797464	4.57E-04	2.12E-04
3000	438152.6	3762712	0.002841144	4.64E-04	2.15E-04
3001	437546.7	3762120	0.00054492	8.90E-05	4.13E-05
3002	437537.3	3762120	0.00054015	8.82E-05	4.09E-05
3003	437527.9	3762120	0.00053538	8.75E-05	4.06E-05
3004	437518.5	3762120	0.00053061	8.67E-05	4.02E-05
3005	437509.1	3762120	0.000526307	8.60E-05	3.99E-05
3006	437499.7	3762120	0.000521911	8.53E-05	3.95E-05
3007	437490.4	3762120	0.000517609	8.46E-05	3.92E-05
3008	437481	3762120	0.000513213	8.38E-05	3.89E-05
3009	437471.6	3762120	0.00050891	8.31E-05	3.86E-05
3010	437462.2	3762120	0.000504608	8.24E-05	3.82E-05

3011	437452.8	3762120	0.000500493	8.18E-05	3.79E-05
3012	437443.4	3762120	0.000496564	8.11E-05	3.76E-05
3013	437983.4	3762257	0.000849649	1.39E-04	6.44E-05
3014	437991.9	3762260	0.000851427	1.39E-04	6.45E-05
3015	438000.5	3762264	0.000852923	1.39E-04	6.46E-05
3016	438012.5	3762276	0.000871442	1.42E-04	6.60E-05
3017	438016.1	3762285	0.00088912	1.45E-04	6.74E-05
3018	438019.6	3762293	0.000907078	1.48E-04	6.87E-05
3019	438023.1	3762302	0.000925411	1.51E-04	7.01E-05
3020	438026.7	3762310	0.000944117	1.54E-04	7.15E-05
3021	438030.2	3762319	0.000963198	1.57E-04	7.30E-05
3022	438033.7	3762327	0.000982746	1.61E-04	7.45E-05
3023	438037.3	3762336	0.001002669	1.64E-04	7.60E-05
3024	438040.8	3762344	0.001023059	1.67E-04	7.75E-05
3025	438054.9	3762379	0.001110137	1.81E-04	8.41E-05
3026	438058.4	3762387	0.001133333	1.85E-04	8.59E-05
3027	438062	3762396	0.001157278	1.89E-04	8.77E-05
3028	438065.5	3762404	0.00118197	1.93E-04	8.96E-05
3029	438069	3762413	0.001207411	1.97E-04	9.15E-05
3030	438072.6	3762421	0.001233694	2.02E-04	9.35E-05
3031	438076.1	3762430	0.001261005	2.06E-04	9.56E-05
3032	438079.6	3762438	0.001289252	2.11E-04	9.77E-05
3033	438083.2	3762447	0.001318528	2.15E-04	9.99E-05
3034	438086.7	3762456	0.001348645	2.20E-04	1.02E-04
3035	438090.2	3762464	0.001379792	2.25E-04	1.05E-04
3036	438093.7	3762473	0.001411967	2.31E-04	1.07E-04
3037	438097.3	3762481	0.001445264	2.36E-04	1.10E-04
3038	438100.8	3762490	0.001479497	2.42E-04	1.12E-04
3039	438104.3	3762498	0.001514853	2.47E-04	1.15E-04
3040	438107.9	3762507	0.001551143	2.53E-04	1.18E-04
3041	438111.4	3762515	0.001588182	2.59E-04	1.20E-04
3042	438114.9	3762524	0.001626063	2.66E-04	1.23E-04
3043	438118.5	3762533	0.001664785	2.72E-04	1.26E-04
3044	438122	3762541	0.001704349	2.78E-04	1.29E-04
3045	438125.5	3762550	0.00174541	2.85E-04	1.32E-04
3046	438129.1	3762558	0.001787219	2.92E-04	1.35E-04
3047	438132.6	3762567	0.001829589	2.99E-04	1.39E-04
3048	438136.1	3762575	0.001872708	3.06E-04	1.42E-04
3049	438139.6	3762584	0.001916107	3.13E-04	1.45E-04
3050	438143.2	3762592	0.001959974	3.20E-04	1.49E-04
3051	438146.7	3762601	0.002004028	3.27E-04	1.52E-04
3052	438150.2	3762610	0.002048362	3.35E-04	1.55E-04
3053	438153.8	3762618	0.002092696	3.42E-04	1.59E-04
3054	438157.3	3762627	0.002137031	3.49E-04	1.62E-04
3055	438160.8	3762635	0.002181178	3.56E-04	1.65E-04
3056	438164.4	3762644	0.002224952	3.63E-04	1.69E-04
3057	438167.9	3762652	0.002268257	3.71E-04	1.72E-04
3058	438171.4	3762661	0.002310721	3.77E-04	1.75E-04
3059	438175	3762669	0.002352343	3.84E-04	1.78E-04
3060	438178.5	3762678	0.002393217	3.91E-04	1.81E-04
3061	438182	3762686	0.002433061	3.97E-04	1.84E-04
3062	438185.6	3762695	0.002471316	4.04E-04	1.87E-04

3063	438189.1	3762704	0.002507981	4.10E-04	1.90E-04
3064	438192.6	3762712	0.002543523	4.16E-04	1.93E-04
3065	437985.7	3762218	0.000761542	1.24E-04	5.77E-05
3066	437994.3	3762221	0.000763693	1.25E-04	5.79E-05
3067	438002.9	3762225	0.000765657	1.25E-04	5.80E-05
3068	438011.5	3762229	0.000767247	1.25E-04	5.81E-05
3069	438020.1	3762232	0.00076865	1.26E-04	5.82E-05
3070	438028.7	3762236	0.000769773	1.26E-04	5.83E-05
3071	438040.9	3762248	0.00078558	1.28E-04	5.95E-05
3072	438044.4	3762256	0.000800545	1.31E-04	6.07E-05
3073	438048	3762265	0.000815791	1.33E-04	6.18E-05
3074	438051.5	3762274	0.000831317	1.36E-04	6.30E-05
3075	438055.1	3762282	0.00084703	1.38E-04	6.42E-05
3076	438058.6	3762291	0.000863025	1.41E-04	6.54E-05
3077	438062.2	3762299	0.000879393	1.44E-04	6.66E-05
3078	438065.7	3762308	0.000896042	1.46E-04	6.79E-05
3079	438069.3	3762317	0.000913064	1.49E-04	6.92E-05
3080	438072.8	3762325	0.000930368	1.52E-04	7.05E-05
3081	438076.4	3762334	0.000948233	1.55E-04	7.19E-05
3082	438079.9	3762342	0.000966378	1.58E-04	7.32E-05
3083	438083.5	3762351	0.000985085	1.61E-04	7.46E-05
3084	438087	3762360	0.001004259	1.64E-04	7.61E-05
3085	438090.6	3762368	0.001023994	1.67E-04	7.76E-05
3086	438094.1	3762377	0.001044197	1.71E-04	7.91E-05
3087	438097.7	3762385	0.001065055	1.74E-04	8.07E-05
3088	438101.2	3762394	0.001086567	1.78E-04	8.23E-05
3089	438104.8	3762403	0.001108734	1.81E-04	8.40E-05
3090	438108.3	3762411	0.00113165	1.85E-04	8.58E-05
3091	438111.9	3762420	0.00115522	1.89E-04	8.75E-05
3092	438115.4	3762428	0.001179726	1.93E-04	8.94E-05
3093	438119	3762437	0.001205073	1.97E-04	9.13E-05
3094	438122.5	3762446	0.001231262	2.01E-04	9.33E-05
3095	438126.1	3762454	0.001258199	2.06E-04	9.53E-05
3096	438129.6	3762463	0.001286166	2.10E-04	9.75E-05
3097	438133.2	3762471	0.00131488	2.15E-04	9.96E-05
3098	438136.7	3762480	0.00134453	2.20E-04	1.02E-04
3099	438140.3	3762489	0.001375021	2.25E-04	1.04E-04
3100	438143.8	3762497	0.001406261	2.30E-04	1.07E-04
3101	438147.4	3762506	0.001438436	2.35E-04	1.09E-04
3102	438150.9	3762514	0.001471266	2.40E-04	1.11E-04
3103	438154.5	3762523	0.001504845	2.46E-04	1.14E-04
3104	438158	3762532	0.001539265	2.51E-04	1.17E-04
3105	438161.6	3762540	0.001574339	2.57E-04	1.19E-04
3106	438165.1	3762549	0.001610162	2.63E-04	1.22E-04
3107	438168.7	3762557	0.001646546	2.69E-04	1.25E-04
3108	438172.2	3762566	0.001683305	2.75E-04	1.28E-04
3109	438175.8	3762575	0.001720531	2.81E-04	1.30E-04
3110	438179.3	3762583	0.001758037	2.87E-04	1.33E-04
3111	438193.5	3762618	0.001908999	3.12E-04	1.45E-04
3112	438197.1	3762626	0.001946505	3.18E-04	1.47E-04
3113	438200.6	3762635	0.001983731	3.24E-04	1.50E-04
3114	438204.2	3762643	0.00202077	3.30E-04	1.53E-04

3115	438207.7	3762652	0.002057528	3.36E-04	1.56E-04
3116	438211.3	3762661	0.002093632	3.42E-04	1.59E-04
3117	438214.8	3762669	0.002128519	3.48E-04	1.61E-04
3118	438218.4	3762678	0.002162565	3.53E-04	1.64E-04
3119	438221.9	3762686	0.002195769	3.59E-04	1.66E-04
3120	438225.5	3762695	0.002228038	3.64E-04	1.69E-04
3121	438229	3762704	0.002259745	3.69E-04	1.71E-04
3122	438232.6	3762712	0.002283783	3.73E-04	1.73E-04
3123	437987.9	3762179	0.000685687	1.12E-04	5.20E-05
3124	437996.5	3762182	0.000687932	1.12E-04	5.21E-05
3125	438005.2	3762186	0.000690083	1.13E-04	5.23E-05
3126	438013.8	3762189	0.000692047	1.13E-04	5.24E-05
3127	438022.4	3762193	0.000693824	1.13E-04	5.26E-05
3128	438031.1	3762197	0.000695414	1.14E-04	5.27E-05
3129	438039.7	3762200	0.000696911	1.14E-04	5.28E-05
3130	438048.3	3762204	0.00069822	1.14E-04	5.29E-05
3131	438057	3762207	0.000699249	1.14E-04	5.30E-05
3132	438069.2	3762220	0.000712905	1.16E-04	5.40E-05
3133	438072.7	3762228	0.000725719	1.19E-04	5.50E-05
3134	438076.3	3762237	0.00073872	1.21E-04	5.60E-05
3135	438079.9	3762246	0.000751908	1.23E-04	5.70E-05
3136	438083.5	3762254	0.000765377	1.25E-04	5.80E-05
3137	438087	3762263	0.000779032	1.27E-04	5.90E-05
3138	438090.6	3762271	0.000792875	1.30E-04	6.01E-05
3139	438094.2	3762280	0.000806905	1.32E-04	6.11E-05
3140	438097.7	3762289	0.000821216	1.34E-04	6.22E-05
3141	438101.3	3762297	0.000835807	1.37E-04	6.33E-05
3142	438104.9	3762306	0.000850678	1.39E-04	6.45E-05
3143	438108.4	3762315	0.000865831	1.41E-04	6.56E-05
3144	438112	3762323	0.000881357	1.44E-04	6.68E-05
3145	438115.6	3762332	0.000897257	1.47E-04	6.80E-05
3146	438119.1	3762341	0.000913626	1.49E-04	6.92E-05
3147	438122.7	3762349	0.000930368	1.52E-04	7.05E-05
3148	438126.3	3762358	0.000947671	1.55E-04	7.18E-05
3149	438129.8	3762366	0.00096563	1.58E-04	7.32E-05
3150	438133.4	3762375	0.000983869	1.61E-04	7.46E-05
3151	438137	3762384	0.001002762	1.64E-04	7.60E-05
3152	438140.5	3762392	0.001022217	1.67E-04	7.75E-05
3153	438144.1	3762401	0.001042233	1.70E-04	7.90E-05
3154	438147.7	3762410	0.001062904	1.74E-04	8.05E-05
3155	438151.3	3762418	0.001084229	1.77E-04	8.22E-05
3156	438154.8	3762427	0.001106396	1.81E-04	8.38E-05
3157	438158.4	3762436	0.001129218	1.84E-04	8.56E-05
3158	438162	3762444	0.001152788	1.88E-04	8.74E-05
3159	438165.5	3762453	0.001177107	1.92E-04	8.92E-05
3160	438169.1	3762462	0.001202173	1.96E-04	9.11E-05
3161	438172.7	3762470	0.001227988	2.01E-04	9.31E-05
3162	438176.2	3762479	0.001254552	2.05E-04	9.51E-05
3163	438179.8	3762487	0.001281676	2.09E-04	9.71E-05
3164	438183.4	3762496	0.001309549	2.14E-04	9.92E-05
3165	438197.6	3762531	0.00142768	2.33E-04	1.08E-04
3166	438201.2	3762539	0.001458546	2.38E-04	1.11E-04

3167	438204.8	3762548	0.001489786	2.43E-04	1.13E-04
3168	438208.3	3762557	0.0015214	2.49E-04	1.15E-04
3169	438211.9	3762565	0.001553294	2.54E-04	1.18E-04
3170	438215.5	3762574	0.00158547	2.59E-04	1.20E-04
3171	438219.1	3762583	0.001617925	2.64E-04	1.23E-04
3172	438233.3	3762617	0.001747842	2.86E-04	1.32E-04
3173	438236.9	3762626	0.001780017	2.91E-04	1.35E-04
3174	438240.5	3762634	0.001811912	2.96E-04	1.37E-04
3175	438244	3762643	0.001843526	3.01E-04	1.40E-04
3176	438247.6	3762652	0.001874672	3.06E-04	1.42E-04
3177	438251.2	3762660	0.001905257	3.11E-04	1.44E-04
3178	438254.7	3762669	0.001935094	3.16E-04	1.47E-04
3179	438258.3	3762678	0.001964183	3.21E-04	1.49E-04
3180	438261.9	3762686	0.001992617	3.26E-04	1.51E-04
3181	438265.4	3762695	0.002020583	3.30E-04	1.53E-04
3182	438269	3762703	0.002048362	3.35E-04	1.55E-04
3183	438272.6	3762712	0.002075393	3.39E-04	1.57E-04
3184	437599.5	3761978	0.000386944	6.32E-05	2.93E-05
3185	437608.1	3761981	0.000393117	6.42E-05	2.98E-05
3186	437616.8	3761985	0.000399384	6.52E-05	3.03E-05
3187	437625.5	3761988	0.000405931	6.63E-05	3.08E-05
3188	437634.2	3761992	0.000412478	6.74E-05	3.13E-05
3189	437642.8	3761996	0.000419026	6.85E-05	3.18E-05
3190	437651.5	3761999	0.000425667	6.95E-05	3.23E-05
3191	437989.8	3762140	0.000620962	1.01E-04	4.71E-05
3192	437998.5	3762143	0.000623301	1.02E-04	4.72E-05
3193	438007.2	3762147	0.000625452	1.02E-04	4.74E-05
3194	438015.8	3762150	0.00062751	1.03E-04	4.75E-05
3195	438024.5	3762154	0.00062938	1.03E-04	4.77E-05
3196	438033.2	3762158	0.000631157	1.03E-04	4.78E-05
3197	438041.9	3762161	0.000632841	1.03E-04	4.80E-05
3198	438050.5	3762165	0.000634338	1.04E-04	4.81E-05
3199	438059.2	3762168	0.000635741	1.04E-04	4.82E-05
3200	438067.9	3762172	0.00063705	1.04E-04	4.83E-05
3201	438076.6	3762175	0.000638172	1.04E-04	4.84E-05
3202	438085.2	3762179	0.000639201	1.04E-04	4.84E-05
3203	438097.5	3762191	0.000650986	1.06E-04	4.93E-05
3204	438101.1	3762200	0.000662117	1.08E-04	5.02E-05
3205	438104.7	3762209	0.000673341	1.10E-04	5.10E-05
3206	438108.3	3762217	0.000684752	1.12E-04	5.19E-05
3207	438111.8	3762226	0.000696256	1.14E-04	5.28E-05
3208	438115.4	3762235	0.000707948	1.16E-04	5.36E-05
3209	438119	3762243	0.000719733	1.18E-04	5.45E-05
3210	438122.6	3762252	0.000731611	1.20E-04	5.54E-05
3211	438126.2	3762261	0.000743677	1.21E-04	5.64E-05
3212	438129.8	3762269	0.000756023	1.24E-04	5.73E-05
3213	438133.3	3762278	0.000768557	1.26E-04	5.82E-05
3214	438136.9	3762287	0.000781464	1.28E-04	5.92E-05
3215	438140.5	3762296	0.000794559	1.30E-04	6.02E-05
3216	438144.1	3762304	0.000807934	1.32E-04	6.12E-05
3217	438147.7	3762313	0.00082159	1.34E-04	6.23E-05
3218	438151.3	3762322	0.00083562	1.37E-04	6.33E-05

3219	438154.8	3762330	0.000850024	1.39E-04	6.44E-05
3220	438158.4	3762339	0.000864802	1.41E-04	6.55E-05
3221	438162	3762348	0.000880047	1.44E-04	6.67E-05
3222	438165.6	3762356	0.000895667	1.46E-04	6.79E-05
3223	438169.2	3762365	0.000912036	1.49E-04	6.91E-05
3224	438172.8	3762374	0.000928778	1.52E-04	7.04E-05
3225	438176.4	3762382	0.000945894	1.55E-04	7.17E-05
3226	438179.9	3762391	0.000963572	1.57E-04	7.30E-05
3227	438183.5	3762400	0.000981811	1.60E-04	7.44E-05
3228	438187.1	3762408	0.001000704	1.63E-04	7.58E-05
3229	438190.7	3762417	0.001020159	1.67E-04	7.73E-05
3230	438194.3	3762426	0.001040175	1.70E-04	7.88E-05
3231	438197.9	3762434	0.001060846	1.73E-04	8.04E-05
3232	438201.4	3762443	0.001082171	1.77E-04	8.20E-05
3233	438205	3762452	0.001104151	1.80E-04	8.37E-05
3234	438208.6	3762460	0.001126786	1.84E-04	8.54E-05
3235	438212.2	3762469	0.001149982	1.88E-04	8.71E-05
3236	438215.8	3762478	0.001173739	1.92E-04	8.89E-05
3237	438219.4	3762486	0.001198151	1.96E-04	9.08E-05
3238	438223	3762495	0.001223031	2.00E-04	9.27E-05
3239	438237.3	3762530	0.00132732	2.17E-04	1.01E-04
3240	438240.9	3762539	0.001354444	2.21E-04	1.03E-04
3241	438244.5	3762547	0.001381849	2.26E-04	1.05E-04
3242	438248	3762556	0.001409535	2.30E-04	1.07E-04
3243	438251.6	3762565	0.001437501	2.35E-04	1.09E-04
3244	438255.2	3762573	0.001465561	2.39E-04	1.11E-04
3245	438258.8	3762582	0.001493901	2.44E-04	1.13E-04
3246	438294.6	3762669	0.001768139	2.89E-04	1.34E-04
3247	438298.2	3762677	0.001793205	2.93E-04	1.36E-04
3248	438301.8	3762686	0.001817711	2.97E-04	1.38E-04
3249	438305.4	3762695	0.001841655	3.01E-04	1.40E-04
3250	438309	3762703	0.0018656	3.05E-04	1.41E-04
3251	438312.6	3762712	0.001888889	3.09E-04	1.43E-04
3252	437599	3761938	0.000352431	5.76E-05	2.67E-05
3253	437607.5	3761941	0.000357668	5.84E-05	2.71E-05
3254	437616.1	3761945	0.000363093	5.93E-05	2.75E-05
3255	437624.7	3761948	0.000368612	6.02E-05	2.79E-05
3256	437633.3	3761952	0.00037413	6.11E-05	2.83E-05
3257	437641.9	3761955	0.000379742	6.20E-05	2.88E-05
3258	437650.4	3761959	0.000385448	6.30E-05	2.92E-05
3259	437659	3761962	0.000391247	6.39E-05	2.96E-05
3260	437667.6	3761966	0.000397046	6.49E-05	3.01E-05
3261	437676.2	3761970	0.000402938	6.58E-05	3.05E-05
3262	437684.7	3761973	0.000408831	6.68E-05	3.10E-05
3263	437693.3	3761977	0.00041463	6.77E-05	3.14E-05
3264	437701.9	3761980	0.000420429	6.87E-05	3.19E-05
3265	437710.5	3761984	0.000426041	6.96E-05	3.23E-05
3266	437719.1	3761987	0.000431559	7.05E-05	3.27E-05
3267	437727.6	3761991	0.000437077	7.14E-05	3.31E-05
3268	437736.2	3761994	0.000442596	7.23E-05	3.35E-05
3269	437744.8	3761998	0.000448114	7.32E-05	3.40E-05
3270	437993.5	3762101	0.000565591	9.24E-05	4.29E-05

3271	438002.1	3762105	0.000567929	9.28E-05	4.30E-05
3272	438010.7	3762108	0.000570268	9.32E-05	4.32E-05
3273	438019.3	3762112	0.000572419	9.35E-05	4.34E-05
3274	438027.9	3762115	0.000574383	9.38E-05	4.35E-05
3275	438036.4	3762119	0.00057616	9.41E-05	4.37E-05
3276	438045	3762122	0.000577844	9.44E-05	4.38E-05
3277	438053.6	3762126	0.00057934	9.46E-05	4.39E-05
3278	438062.2	3762130	0.000580743	9.49E-05	4.40E-05
3279	438070.7	3762133	0.000582146	9.51E-05	4.41E-05
3280	438079.3	3762137	0.000583362	9.53E-05	4.42E-05
3281	438087.9	3762140	0.000584578	9.55E-05	4.43E-05
3282	438096.5	3762144	0.000585701	9.57E-05	4.44E-05
3283	438105.1	3762147	0.000586823	9.59E-05	4.45E-05
3284	438113.6	3762151	0.000587758	9.60E-05	4.45E-05
3285	438125.8	3762163	0.000597673	9.76E-05	4.53E-05
3286	438129.3	3762172	0.000607026	9.92E-05	4.60E-05
3287	438132.9	3762180	0.000616379	1.01E-04	4.67E-05
3288	438136.4	3762189	0.0006262	1.02E-04	4.75E-05
3289	438139.9	3762197	0.000636021	1.04E-04	4.82E-05
3290	438143.5	3762206	0.000646029	1.06E-04	4.90E-05
3291	438147	3762215	0.000656037	1.07E-04	4.97E-05
3292	438150.6	3762223	0.000666139	1.09E-04	5.05E-05
3293	438154.1	3762232	0.000676427	1.11E-04	5.13E-05
3294	438157.7	3762240	0.000686903	1.12E-04	5.21E-05
3295	438161.2	3762249	0.000697378	1.14E-04	5.28E-05
3296	438164.7	3762257	0.000708135	1.16E-04	5.37E-05
3297	438168.3	3762266	0.000719078	1.17E-04	5.45E-05
3298	438171.8	3762275	0.000730208	1.19E-04	5.53E-05
3299	438175.4	3762283	0.000741619	1.21E-04	5.62E-05
3300	438178.9	3762292	0.000753217	1.23E-04	5.71E-05
3301	438182.5	3762300	0.000765002	1.25E-04	5.80E-05
3302	438186	3762309	0.000777255	1.27E-04	5.89E-05
3303	438189.6	3762317	0.000789789	1.29E-04	5.98E-05
3304	438193.1	3762326	0.000802603	1.31E-04	6.08E-05
3305	438196.6	3762335	0.000815791	1.33E-04	6.18E-05
3306	438200.2	3762343	0.000829353	1.35E-04	6.28E-05
3307	438203.7	3762352	0.000843383	1.38E-04	6.39E-05
3308	438207.3	3762360	0.000857693	1.40E-04	6.50E-05
3309	438210.8	3762369	0.000872471	1.43E-04	6.61E-05
3310	438214.4	3762378	0.000887717	1.45E-04	6.73E-05
3311	438217.9	3762386	0.000903431	1.48E-04	6.85E-05
3312	438221.5	3762395	0.000919612	1.50E-04	6.97E-05
3313	438225	3762403	0.000936354	1.53E-04	7.10E-05
3314	438228.5	3762412	0.000953564	1.56E-04	7.23E-05
3315	438232.1	3762420	0.000971242	1.59E-04	7.36E-05
3316	438235.6	3762429	0.000989574	1.62E-04	7.50E-05
3317	438239.2	3762438	0.00100828	1.65E-04	7.64E-05
3318	438242.7	3762446	0.001027735	1.68E-04	7.79E-05
3319	438246.3	3762455	0.001047564	1.71E-04	7.94E-05
3320	438249.8	3762463	0.001067954	1.74E-04	8.09E-05
3321	438253.4	3762472	0.001088719	1.78E-04	8.25E-05
3322	438256.9	3762481	0.001109857	1.81E-04	8.41E-05

3323	438260.4	3762489	0.001131369	1.85E-04	8.57E-05
3324	438264	3762498	0.001153349	1.88E-04	8.74E-05
3325	438299.4	3762584	0.001389706	2.27E-04	1.05E-04
3326	438313.6	3762618	0.001486606	2.43E-04	1.13E-04
3327	438317.2	3762626	0.00151055	2.47E-04	1.14E-04
3328	438320.7	3762635	0.001534214	2.51E-04	1.16E-04
3329	438324.2	3762644	0.00155741	2.54E-04	1.18E-04
3330	438327.8	3762652	0.001580512	2.58E-04	1.20E-04
3331	438331.3	3762661	0.001603241	2.62E-04	1.21E-04
3332	438334.9	3762669	0.00162494	2.65E-04	1.23E-04
3333	438338.4	3762678	0.001646172	2.69E-04	1.25E-04
3334	438342	3762687	0.001666936	2.72E-04	1.26E-04
3335	438345.5	3762695	0.00168742	2.76E-04	1.28E-04
3336	438349.1	3762704	0.001707342	2.79E-04	1.29E-04
3337	437616.4	3761905	0.000333443	5.45E-05	2.53E-05
3338	437625	3761908	0.000338307	5.53E-05	2.56E-05
3339	437633.6	3761912	0.000343077	5.60E-05	2.60E-05
3340	437642.2	3761915	0.000348035	5.69E-05	2.64E-05
3341	437650.8	3761919	0.000352898	5.77E-05	2.67E-05
3342	437659.5	3761923	0.000357949	5.85E-05	2.71E-05
3343	437668.1	3761926	0.000363	5.93E-05	2.75E-05
3344	437676.7	3761930	0.000367957	6.01E-05	2.79E-05
3345	437685.3	3761933	0.000373008	6.09E-05	2.83E-05
3346	437693.9	3761937	0.000378058	6.18E-05	2.86E-05
3347	437702.5	3761940	0.000383109	6.26E-05	2.90E-05
3348	437711.1	3761944	0.000388066	6.34E-05	2.94E-05
3349	437719.8	3761948	0.000393024	6.42E-05	2.98E-05
3350	437728.4	3761951	0.000397981	6.50E-05	3.02E-05
3351	437737	3761955	0.000403032	6.58E-05	3.05E-05
3352	437745.6	3761958	0.000408082	6.67E-05	3.09E-05
3353	437754.2	3761962	0.000413133	6.75E-05	3.13E-05
3354	437762.8	3761965	0.00041809	6.83E-05	3.17E-05
3355	437771.5	3761969	0.000423141	6.91E-05	3.21E-05
3356	437780.1	3761973	0.000427911	6.99E-05	3.24E-05
3357	437788.7	3761976	0.000432681	7.07E-05	3.28E-05
3358	437797.3	3761980	0.000437358	7.14E-05	3.31E-05
3359	437805.9	3761983	0.000441848	7.22E-05	3.35E-05
3360	437814.5	3761987	0.000446244	7.29E-05	3.38E-05
3361	437823.1	3761990	0.000450546	7.36E-05	3.41E-05
3362	437831.8	3761994	0.000454475	7.42E-05	3.44E-05
3363	437840.4	3761998	0.000458309	7.49E-05	3.47E-05
3364	438090.2	3762101	0.00053697	8.77E-05	4.07E-05
3365	438098.8	3762105	0.000538186	8.79E-05	4.08E-05
3366	438107.4	3762108	0.000539309	8.81E-05	4.09E-05
3367	438116.1	3762112	0.000540337	8.83E-05	4.09E-05
3368	438124.7	3762115	0.000541273	8.84E-05	4.10E-05
3369	438133.3	3762119	0.000542302	8.86E-05	4.11E-05
3370	438141.9	3762123	0.000543237	8.87E-05	4.12E-05
3371	438154.1	3762135	0.000551935	9.02E-05	4.18E-05
3372	438157.6	3762143	0.000560073	9.15E-05	4.24E-05
3373	438161.2	3762152	0.000568304	9.28E-05	4.31E-05
3374	438164.8	3762161	0.000576534	9.42E-05	4.37E-05

3375	438168.3	3762169	0.000584952	9.56E-05	4.43E-05
3376	438171.9	3762178	0.000593464	9.70E-05	4.50E-05
3377	438175.4	3762187	0.000602162	9.84E-05	4.56E-05
3378	438179	3762195	0.000610954	9.98E-05	4.63E-05
3379	438182.6	3762204	0.000619934	1.01E-04	4.70E-05
3380	438186.1	3762212	0.000628913	1.03E-04	4.77E-05
3381	438189.7	3762221	0.000638079	1.04E-04	4.84E-05
3382	438193.2	3762230	0.000647432	1.06E-04	4.91E-05
3383	438196.8	3762238	0.000656879	1.07E-04	4.98E-05
3384	438200.4	3762247	0.000666513	1.09E-04	5.05E-05
3385	438203.9	3762255	0.000676334	1.10E-04	5.12E-05
3386	438207.5	3762264	0.000686342	1.12E-04	5.20E-05
3387	438211	3762273	0.000696443	1.14E-04	5.28E-05
3388	438214.6	3762281	0.000706825	1.15E-04	5.36E-05
3389	438218.2	3762290	0.000717394	1.17E-04	5.44E-05
3390	438221.7	3762299	0.000728244	1.19E-04	5.52E-05
3391	438225.3	3762307	0.000739375	1.21E-04	5.60E-05
3392	438228.8	3762316	0.000750786	1.23E-04	5.69E-05
3393	438232.4	3762324	0.000762571	1.25E-04	5.78E-05
3394	438236	3762333	0.000774636	1.27E-04	5.87E-05
3395	438239.5	3762342	0.000787076	1.29E-04	5.96E-05
3396	438243.1	3762350	0.000799797	1.31E-04	6.06E-05
3397	438246.6	3762359	0.000812798	1.33E-04	6.16E-05
3398	438250.2	3762368	0.00082636	1.35E-04	6.26E-05
3399	438253.8	3762376	0.00084039	1.37E-04	6.37E-05
3400	438257.3	3762385	0.000854794	1.40E-04	6.48E-05
3401	438260.9	3762393	0.000869759	1.42E-04	6.59E-05
3402	438264.4	3762402	0.000885098	1.45E-04	6.71E-05
3403	438268	3762411	0.000900905	1.47E-04	6.83E-05
3404	438271.6	3762419	0.00091718	1.50E-04	6.95E-05
3405	438275.1	3762428	0.000933829	1.53E-04	7.08E-05
3406	438278.7	3762436	0.000950945	1.55E-04	7.21E-05
3407	438282.2	3762445	0.000968436	1.58E-04	7.34E-05
3408	438285.8	3762454	0.0009863	1.61E-04	7.47E-05
3409	438289.4	3762462	0.001004539	1.64E-04	7.61E-05
3410	438292.9	3762471	0.001023246	1.67E-04	7.75E-05
3411	438296.5	3762480	0.001042233	1.70E-04	7.90E-05
3412	438300	3762488	0.001061594	1.73E-04	8.04E-05
3413	438303.6	3762497	0.001081329	1.77E-04	8.19E-05
3414	438317.8	3762531	0.00116289	1.90E-04	8.81E-05
3415	438321.4	3762540	0.001183935	1.93E-04	8.97E-05
3416	438324.9	3762549	0.001205073	1.97E-04	9.13E-05
3417	438328.5	3762557	0.001226305	2.00E-04	9.29E-05
3418	438332.1	3762566	0.001247537	2.04E-04	9.45E-05
3419	438335.6	3762574	0.001268862	2.07E-04	9.61E-05
3420	438339.2	3762583	0.001290187	2.11E-04	9.78E-05
3421	438342.7	3762592	0.001311513	2.14E-04	9.94E-05
3422	438389	3762704	0.001569288	2.56E-04	1.19E-04
3423	438392.6	3762712	0.001586686	2.59E-04	1.20E-04
3424	437668.5	3761886	0.000333818	5.45E-05	2.53E-05
3425	437677.2	3761890	0.00033812	5.52E-05	2.56E-05
3426	437685.8	3761894	0.000342329	5.59E-05	2.59E-05

3427	437694.5	3761897	0.000346632	5.66E-05	2.63E-05
3428	437703.1	3761901	0.00035084	5.73E-05	2.66E-05
3429	437711.8	3761904	0.000355143	5.80E-05	2.69E-05
3430	437720.4	3761908	0.000359446	5.87E-05	2.72E-05
3431	437729.1	3761911	0.000363561	5.94E-05	2.75E-05
3432	437737.7	3761915	0.000368144	6.01E-05	2.79E-05
3433	437746.4	3761919	0.000372727	6.09E-05	2.82E-05
3434	437755	3761922	0.00037731	6.16E-05	2.86E-05
3435	437763.7	3761926	0.000381987	6.24E-05	2.89E-05
3436	437772.3	3761929	0.000386757	6.32E-05	2.93E-05
3437	437781	3761933	0.000391434	6.39E-05	2.97E-05
3438	437789.6	3761937	0.000396017	6.47E-05	3.00E-05
3439	437798.3	3761940	0.000400506	6.54E-05	3.03E-05
3440	437806.9	3761944	0.000404809	6.61E-05	3.07E-05
3441	437815.5	3761947	0.000409111	6.68E-05	3.10E-05
3442	437824.2	3761951	0.00041304	6.75E-05	3.13E-05
3443	437832.8	3761954	0.000416781	6.81E-05	3.16E-05
3444	437841.5	3761958	0.000420522	6.87E-05	3.19E-05
3445	437850.1	3761962	0.000424076	6.93E-05	3.21E-05
3446	437858.8	3761965	0.000427631	6.99E-05	3.24E-05
3447	437867.4	3761969	0.000430998	7.04E-05	3.27E-05
3448	437876.1	3761972	0.000434271	7.09E-05	3.29E-05
3449	437884.7	3761976	0.000437545	7.15E-05	3.32E-05
3450	437893.4	3761980	0.000440725	7.20E-05	3.34E-05
3451	437902	3761983	0.000443905	7.25E-05	3.36E-05
3452	437910.7	3761987	0.000446992	7.30E-05	3.39E-05
3453	437919.3	3761990	0.000450079	7.35E-05	3.41E-05
3454	437928	3761994	0.000453165	7.40E-05	3.43E-05
3455	437936.6	3761997	0.000456252	7.45E-05	3.46E-05
3456	438182.4	3762107	0.000512184	8.37E-05	3.88E-05
3457	438186	3762115	0.000519386	8.48E-05	3.94E-05
3458	438189.5	3762124	0.000526682	8.60E-05	3.99E-05
3459	438193.1	3762133	0.000533884	8.72E-05	4.05E-05
3460	438196.7	3762141	0.000541179	8.84E-05	4.10E-05
3461	438200.3	3762150	0.000548662	8.96E-05	4.16E-05
3462	438203.8	3762158	0.000556144	9.09E-05	4.21E-05
3463	438207.4	3762167	0.000563627	9.21E-05	4.27E-05
3464	438211	3762176	0.000571297	9.33E-05	4.33E-05
3465	438214.6	3762184	0.00057906	9.46E-05	4.39E-05
3466	438218.1	3762193	0.000587104	9.59E-05	4.45E-05
3467	438221.7	3762202	0.000595147	9.72E-05	4.51E-05
3468	438225.3	3762210	0.000603285	9.86E-05	4.57E-05
3469	438228.9	3762219	0.000611609	9.99E-05	4.63E-05
3470	438232.4	3762228	0.000620121	1.01E-04	4.70E-05
3471	438236	3762236	0.000628726	1.03E-04	4.76E-05
3472	438239.6	3762245	0.000637424	1.04E-04	4.83E-05
3473	438243.2	3762254	0.00064631	1.06E-04	4.90E-05
3474	438246.7	3762262	0.000655476	1.07E-04	4.97E-05
3475	438250.3	3762271	0.000664736	1.09E-04	5.04E-05
3476	438253.9	3762280	0.000674276	1.10E-04	5.11E-05
3477	438257.4	3762288	0.00068391	1.12E-04	5.18E-05
3478	438261	3762297	0.000693824	1.13E-04	5.26E-05

3479	438264.6	3762306	0.000704019	1.15E-04	5.33E-05
3480	438268.2	3762314	0.000714495	1.17E-04	5.41E-05
3481	438271.7	3762323	0.000725345	1.18E-04	5.50E-05
3482	438275.3	3762332	0.000736475	1.20E-04	5.58E-05
3483	438278.9	3762340	0.000747886	1.22E-04	5.67E-05
3484	438282.5	3762349	0.000759765	1.24E-04	5.76E-05
3485	438286	3762358	0.000771737	1.26E-04	5.85E-05
3486	438300.3	3762392	0.000824396	1.35E-04	6.25E-05
3487	438303.9	3762401	0.000838519	1.37E-04	6.35E-05
3488	438307.5	3762409	0.000853017	1.39E-04	6.46E-05
3489	438311.1	3762418	0.000867795	1.42E-04	6.58E-05
3490	438314.6	3762427	0.000882947	1.44E-04	6.69E-05
3491	438325.4	3762453	0.000930742	1.52E-04	7.05E-05
3492	438328.9	3762461	0.000947391	1.55E-04	7.18E-05
3493	438332.5	3762470	0.00096432	1.58E-04	7.31E-05
3494	438336.1	3762479	0.000981437	1.60E-04	7.44E-05
3495	438339.6	3762487	0.000998834	1.63E-04	7.57E-05
3496	438343.2	3762496	0.001016418	1.66E-04	7.70E-05
3497	438346.8	3762505	0.001034282	1.69E-04	7.84E-05
3498	438389.7	3762609	0.001258199	2.06E-04	9.53E-05
3499	438393.3	3762617	0.001276719	2.09E-04	9.67E-05
3500	438396.8	3762626	0.001295051	2.12E-04	9.81E-05
3501	438400.4	3762634	0.00131329	2.15E-04	9.95E-05
3502	438404	3762643	0.001331155	2.17E-04	1.01E-04
3503	438407.6	3762652	0.001348739	2.20E-04	1.02E-04
3504	438411.1	3762660	0.001366042	2.23E-04	1.04E-04
3505	438414.7	3762669	0.001382691	2.26E-04	1.05E-04
3506	438418.3	3762678	0.001399059	2.29E-04	1.06E-04
3507	438421.8	3762686	0.00141524	2.31E-04	1.07E-04
3508	438425.4	3762695	0.001431234	2.34E-04	1.08E-04
3509	438429	3762704	0.001446854	2.36E-04	1.10E-04
3510	438432.6	3762712	0.001462007	2.39E-04	1.11E-04
3511	437693.1	3761857	0.000318665	5.21E-05	2.41E-05
3512	437701.7	3761860	0.0003225	5.27E-05	2.44E-05
3513	437710.3	3761864	0.000326428	5.33E-05	2.47E-05
3514	437718.8	3761867	0.000330357	5.40E-05	2.50E-05
3515	437727.4	3761871	0.000334192	5.46E-05	2.53E-05
3516	437736	3761874	0.000338307	5.53E-05	2.56E-05
3517	437744.5	3761878	0.000342329	5.59E-05	2.59E-05
3518	437753.1	3761881	0.000346351	5.66E-05	2.62E-05
3519	437761.7	3761885	0.000350373	5.72E-05	2.65E-05
3520	437770.2	3761889	0.000354675	5.79E-05	2.69E-05
3521	437778.8	3761892	0.000358884	5.86E-05	2.72E-05
3522	437787.4	3761896	0.000363093	5.93E-05	2.75E-05
3523	437795.9	3761899	0.000367209	6.00E-05	2.78E-05
3524	437804.5	3761903	0.000371231	6.06E-05	2.81E-05
3525	437813.1	3761906	0.000375159	6.13E-05	2.84E-05
3526	437821.6	3761910	0.0003789	6.19E-05	2.87E-05
3527	437830.2	3761913	0.000382361	6.25E-05	2.90E-05
3528	437838.8	3761917	0.000385728	6.30E-05	2.92E-05
3529	437847.3	3761920	0.000389095	6.36E-05	2.95E-05
3530	437855.9	3761924	0.000392369	6.41E-05	2.97E-05

3531	437864.5	3761928	0.000395549	6.46E-05	3.00E-05
3532	437873	3761931	0.000398729	6.51E-05	3.02E-05
3533	437881.6	3761935	0.000401722	6.56E-05	3.04E-05
3534	437890.2	3761938	0.000404715	6.61E-05	3.07E-05
3535	437898.7	3761942	0.000407708	6.66E-05	3.09E-05
3536	437907.3	3761945	0.000410608	6.71E-05	3.11E-05
3537	437915.9	3761949	0.00041332	6.75E-05	3.13E-05
3538	437924.4	3761952	0.000416033	6.80E-05	3.15E-05
3539	437933	3761956	0.000418558	6.84E-05	3.17E-05
3540	437941.6	3761960	0.000421083	6.88E-05	3.19E-05
3541	437950.1	3761963	0.000423609	6.92E-05	3.21E-05
3542	437958.7	3761967	0.000426134	6.96E-05	3.23E-05
3543	437967.3	3761970	0.000428566	7.00E-05	3.25E-05
3544	437975.8	3761974	0.000430998	7.04E-05	3.27E-05
3545	438070.1	3762013	0.000453913	7.42E-05	3.44E-05
3546	438078.6	3762016	0.000455503	7.44E-05	3.45E-05
3547	438087.2	3762020	0.000457	7.47E-05	3.46E-05
3548	438095.8	3762023	0.000458496	7.49E-05	3.47E-05
3549	438104.3	3762027	0.000459899	7.51E-05	3.48E-05
3550	438112.9	3762031	0.000461302	7.54E-05	3.50E-05
3551	438121.5	3762034	0.000462518	7.56E-05	3.50E-05
3552	438130	3762038	0.000463734	7.58E-05	3.51E-05
3553	438138.6	3762041	0.000464857	7.59E-05	3.52E-05
3554	438147.2	3762045	0.000465885	7.61E-05	3.53E-05
3555	438221.3	3762104	0.000495816	8.10E-05	3.76E-05
3556	438224.8	3762112	0.000502176	8.20E-05	3.81E-05
3557	438228.4	3762121	0.000508723	8.31E-05	3.85E-05
3558	438231.9	3762130	0.000515271	8.42E-05	3.90E-05
3559	438235.4	3762138	0.000521818	8.52E-05	3.95E-05
3560	438239	3762147	0.000528552	8.63E-05	4.01E-05
3561	438242.5	3762155	0.000535287	8.74E-05	4.06E-05
3562	438246.1	3762164	0.000542114	8.86E-05	4.11E-05
3563	438249.6	3762172	0.000549036	8.97E-05	4.16E-05
3564	438253.1	3762181	0.000556051	9.08E-05	4.21E-05
3565	438256.7	3762190	0.000563159	9.20E-05	4.27E-05
3566	438260.2	3762198	0.000570361	9.32E-05	4.32E-05
3567	438263.8	3762207	0.00057775	9.44E-05	4.38E-05
3568	438267.3	3762215	0.000585233	9.56E-05	4.43E-05
3569	438270.8	3762224	0.000592809	9.68E-05	4.49E-05
3570	438274.4	3762232	0.000600572	9.81E-05	4.55E-05
3571	438277.9	3762241	0.000608429	9.94E-05	4.61E-05
3572	438281.5	3762250	0.000616379	1.01E-04	4.67E-05
3573	438285	3762258	0.000624517	1.02E-04	4.73E-05
3574	438288.5	3762267	0.000632841	1.03E-04	4.80E-05
3575	438292.1	3762275	0.000641353	1.05E-04	4.86E-05
3576	438295.6	3762284	0.000650145	1.06E-04	4.93E-05
3577	438299.2	3762292	0.000659217	1.08E-04	5.00E-05
3578	438302.7	3762301	0.000668383	1.09E-04	5.06E-05
3579	438306.2	3762310	0.00067783	1.11E-04	5.14E-05
3580	438309.8	3762318	0.000687558	1.12E-04	5.21E-05
3581	438313.3	3762327	0.000697566	1.14E-04	5.29E-05
3582	438316.9	3762335	0.000707854	1.16E-04	5.36E-05

3583	438320.4	3762344	0.000718517	1.17E-04	5.44E-05
3584	438323.9	3762352	0.000729554	1.19E-04	5.53E-05
3585	438327.5	3762361	0.000740778	1.21E-04	5.61E-05
3586	438341.6	3762395	0.000789227	1.29E-04	5.98E-05
3587	438345.2	3762404	0.000802228	1.31E-04	6.08E-05
3588	438348.7	3762412	0.000815417	1.33E-04	6.18E-05
3589	438391.2	3762515	0.000995373	1.63E-04	7.54E-05
3590	438394.7	3762524	0.001011648	1.65E-04	7.67E-05
3591	438398.3	3762532	0.001028016	1.68E-04	7.79E-05
3592	438401.8	3762541	0.001044384	1.71E-04	7.91E-05
3593	438405.4	3762550	0.001060752	1.73E-04	8.04E-05
3594	438408.9	3762558	0.00107712	1.76E-04	8.16E-05
3595	438412.4	3762567	0.001093395	1.79E-04	8.29E-05
3596	438416	3762575	0.00110967	1.81E-04	8.41E-05
3597	438419.5	3762584	0.001126038	1.84E-04	8.53E-05
3598	438423	3762592	0.001142219	1.87E-04	8.66E-05
3599	438426.6	3762601	0.001158307	1.89E-04	8.78E-05
3600	438430.1	3762610	0.001174675	1.92E-04	8.90E-05
3601	438433.7	3762618	0.001190856	1.95E-04	9.02E-05
3602	438437.2	3762627	0.00120685	1.97E-04	9.14E-05
3603	438440.7	3762635	0.001222564	2.00E-04	9.26E-05
3604	438444.3	3762644	0.00123809	2.02E-04	9.38E-05
3605	438447.8	3762652	0.001253429	2.05E-04	9.50E-05
3606	438451.4	3762661	0.001268394	2.07E-04	9.61E-05
3607	438454.9	3762670	0.001283173	2.10E-04	9.72E-05
3608	438458.4	3762678	0.00129767	2.12E-04	9.83E-05
3609	438462	3762687	0.0013117	2.14E-04	9.94E-05
3610	438465.5	3762695	0.001325449	2.17E-04	1.00E-04
3611	438469.1	3762704	0.001338824	2.19E-04	1.01E-04
3612	438472.6	3762712	0.001351919	2.21E-04	1.02E-04
3613	437537.3	3761800	0.000255531	4.17E-05	1.94E-05
3614	437527.9	3761800	0.000253941	4.15E-05	1.92E-05
3615	437518.5	3761800	0.000252257	4.12E-05	1.91E-05
3616	437509.1	3761800	0.000250667	4.10E-05	1.90E-05
3617	437499.7	3761800	0.000249077	4.07E-05	1.89E-05
3618	437490.3	3761800	0.000247581	4.04E-05	1.88E-05
3619	437480.9	3761800	0.000245991	4.02E-05	1.86E-05
3620	437471.5	3761800	0.000244494	3.99E-05	1.85E-05
3621	437462.2	3761800	0.000242904	3.97E-05	1.84E-05
3622	437719.5	3761827	0.000306225	5.00E-05	2.32E-05
3623	437728.1	3761831	0.00031006	5.07E-05	2.35E-05
3624	437736.7	3761835	0.000313895	5.13E-05	2.38E-05
3625	437745.3	3761838	0.00031773	5.19E-05	2.41E-05
3626	437753.9	3761842	0.000321565	5.25E-05	2.44E-05
3627	437762.5	3761845	0.000325493	5.32E-05	2.47E-05
3628	437771.1	3761849	0.000329328	5.38E-05	2.50E-05
3629	437779.7	3761852	0.000333163	5.44E-05	2.52E-05
3630	437788.3	3761856	0.000336904	5.50E-05	2.55E-05
3631	437796.8	3761860	0.000340739	5.57E-05	2.58E-05
3632	437805.4	3761863	0.00034448	5.63E-05	2.61E-05
3633	437814	3761867	0.000348035	5.69E-05	2.64E-05
3634	437822.6	3761870	0.000351495	5.74E-05	2.66E-05

3635	437831.2	3761874	0.000354582	5.79E-05	2.69E-05
3636	437839.8	3761877	0.000357575	5.84E-05	2.71E-05
3637	437848.4	3761881	0.000360568	5.89E-05	2.73E-05
3638	437857	3761885	0.000363467	5.94E-05	2.75E-05
3639	437865.6	3761888	0.000366273	5.98E-05	2.78E-05
3640	437874.2	3761892	0.000369079	6.03E-05	2.80E-05
3641	437882.8	3761895	0.000371885	6.08E-05	2.82E-05
3642	437891.4	3761899	0.000374598	6.12E-05	2.84E-05
3643	437900	3761902	0.000377217	6.16E-05	2.86E-05
3644	437908.6	3761906	0.000379836	6.21E-05	2.88E-05
3645	437917.2	3761909	0.000382361	6.25E-05	2.90E-05
3646	437925.8	3761913	0.000384886	6.29E-05	2.92E-05
3647	437934.4	3761917	0.000387318	6.33E-05	2.93E-05
3648	437943	3761920	0.000389657	6.37E-05	2.95E-05
3649	437951.6	3761924	0.000391995	6.40E-05	2.97E-05
3650	437960.2	3761927	0.00039424	6.44E-05	2.99E-05
3651	437968.8	3761931	0.000396484	6.48E-05	3.00E-05
3652	437977.4	3761934	0.000398729	6.51E-05	3.02E-05
3653	438046.2	3761963	0.000415284	6.78E-05	3.15E-05
3654	438054.8	3761967	0.000417249	6.82E-05	3.16E-05
3655	438063.4	3761970	0.000419026	6.85E-05	3.18E-05
3656	438072	3761974	0.000420709	6.87E-05	3.19E-05
3657	438080.6	3761977	0.000422299	6.90E-05	3.20E-05
3658	438089.2	3761981	0.000423889	6.92E-05	3.21E-05
3659	438097.8	3761984	0.000425386	6.95E-05	3.22E-05
3660	438106.4	3761988	0.000426882	6.97E-05	3.23E-05
3661	438115	3761991	0.000428285	7.00E-05	3.25E-05
3662	438123.6	3761995	0.000429688	7.02E-05	3.26E-05
3663	438132.2	3761999	0.000430904	7.04E-05	3.27E-05
3664	438140.8	3762002	0.00043212	7.06E-05	3.27E-05
3665	438149.4	3762006	0.000433243	7.08E-05	3.28E-05
3666	438158	3762009	0.000434271	7.09E-05	3.29E-05
3667	438166.6	3762013	0.000435113	7.11E-05	3.30E-05
3668	438175.2	3762016	0.000435955	7.12E-05	3.30E-05
3669	438183.8	3762020	0.000436797	7.14E-05	3.31E-05
3670	438192.4	3762024	0.000437639	7.15E-05	3.32E-05
3671	438201	3762027	0.000438293	7.16E-05	3.32E-05
3672	438209.6	3762031	0.000438948	7.17E-05	3.33E-05
3673	438218.2	3762034	0.000439416	7.18E-05	3.33E-05
3674	438226.8	3762038	0.000439883	7.19E-05	3.33E-05
3675	438260.3	3762102	0.000479822	7.84E-05	3.64E-05
3676	438263.9	3762110	0.000485621	7.93E-05	3.68E-05
3677	438267.4	3762119	0.000491513	8.03E-05	3.72E-05
3678	438271	3762127	0.000497593	8.13E-05	3.77E-05
3679	438274.5	3762136	0.000503766	8.23E-05	3.82E-05
3680	438278.1	3762145	0.000509939	8.33E-05	3.86E-05
3681	438281.6	3762153	0.000516206	8.43E-05	3.91E-05
3682	438285.2	3762162	0.000522473	8.54E-05	3.96E-05
3683	438288.7	3762170	0.000528739	8.64E-05	4.01E-05
3684	438292.3	3762179	0.0005351	8.74E-05	4.05E-05
3685	438295.8	3762188	0.000541647	8.85E-05	4.10E-05
3686	438299.4	3762196	0.000548194	8.96E-05	4.15E-05

3687	438302.9	3762205	0.000554835	9.06E-05	4.20E-05
3688	438306.5	3762213	0.000561569	9.17E-05	4.26E-05
3689	438310.1	3762222	0.000568491	9.29E-05	4.31E-05
3690	438313.6	3762231	0.000575506	9.40E-05	4.36E-05
3691	438317.2	3762239	0.000582708	9.52E-05	4.42E-05
3692	438320.7	3762248	0.000590003	9.64E-05	4.47E-05
3693	438324.3	3762256	0.000597579	9.76E-05	4.53E-05
3694	438327.8	3762265	0.000605342	9.89E-05	4.59E-05
3695	438331.4	3762274	0.000613293	1.00E-04	4.65E-05
3696	438334.9	3762282	0.00062143	1.02E-04	4.71E-05
3697	438338.5	3762291	0.000629754	1.03E-04	4.77E-05
3698	438342	3762300	0.000638266	1.04E-04	4.84E-05
3699	438345.6	3762308	0.000647152	1.06E-04	4.90E-05
3700	438349.1	3762317	0.000656224	1.07E-04	4.97E-05
3701	438391.8	3762420	0.000786889	1.29E-04	5.96E-05
3702	438395.3	3762429	0.000799516	1.31E-04	6.06E-05
3703	438398.9	3762437	0.000812423	1.33E-04	6.16E-05
3704	438402.4	3762446	0.000825612	1.35E-04	6.26E-05
3705	438406	3762454	0.000838987	1.37E-04	6.36E-05
3706	438409.5	3762463	0.000852549	1.39E-04	6.46E-05
3707	438413.1	3762472	0.000866298	1.42E-04	6.56E-05
3708	438416.7	3762480	0.000880328	1.44E-04	6.67E-05
3709	438420.2	3762489	0.000894545	1.46E-04	6.78E-05
3710	438423.8	3762497	0.000908762	1.48E-04	6.89E-05
3711	438427.3	3762506	0.000923259	1.51E-04	7.00E-05
3712	438430.9	3762515	0.000937757	1.53E-04	7.11E-05
3713	438434.4	3762523	0.000952348	1.56E-04	7.22E-05
3714	438438	3762532	0.000966939	1.58E-04	7.33E-05
3715	438441.5	3762540	0.000981624	1.60E-04	7.44E-05
3716	438445.1	3762549	0.000996121	1.63E-04	7.55E-05
3717	438448.6	3762558	0.001010619	1.65E-04	7.66E-05
3718	438452.2	3762566	0.00102521	1.67E-04	7.77E-05
3719	438455.7	3762575	0.001039707	1.70E-04	7.88E-05
3720	438459.3	3762583	0.001054111	1.72E-04	7.99E-05
3721	438462.8	3762592	0.001068515	1.75E-04	8.10E-05
3722	438466.4	3762601	0.001082826	1.77E-04	8.21E-05
3723	438470	3762609	0.001097323	1.79E-04	8.32E-05
3724	438473.5	3762618	0.001111634	1.82E-04	8.42E-05
3725	438477.1	3762626	0.001125851	1.84E-04	8.53E-05
3726	438480.6	3762635	0.001139694	1.86E-04	8.64E-05
3727	438484.2	3762644	0.001153443	1.88E-04	8.74E-05
3728	438487.7	3762652	0.001167005	1.91E-04	8.84E-05
3729	438491.3	3762661	0.001180287	1.93E-04	8.94E-05
3730	438494.8	3762669	0.001193194	1.95E-04	9.04E-05
3731	438498.4	3762678	0.001206102	1.97E-04	9.14E-05
3732	438501.9	3762687	0.001218542	1.99E-04	9.23E-05
3733	438505.5	3762695	0.001230794	2.01E-04	9.33E-05
3734	438509	3762704	0.001242673	2.03E-04	9.42E-05
3735	438512.6	3762713	0.001254271	2.05E-04	9.50E-05
3736	437737.3	3761795	0.000292476	4.78E-05	2.22E-05
3737	437745.9	3761798	0.000296124	4.84E-05	2.24E-05
3738	437754.6	3761802	0.000299678	4.90E-05	2.27E-05

3739	437763.2	3761806	0.000303139	4.95E-05	2.30E-05
3740	437771.8	3761809	0.0003066	5.01E-05	2.32E-05
3741	437780.4	3761813	0.000309967	5.06E-05	2.35E-05
3742	437789.1	3761816	0.000313427	5.12E-05	2.38E-05
3743	437797.7	3761820	0.000316888	5.18E-05	2.40E-05
3744	437806.3	3761823	0.000320255	5.23E-05	2.43E-05
3745	437815	3761827	0.000323623	5.29E-05	2.45E-05
3746	437823.6	3761831	0.00032699	5.34E-05	2.48E-05
3747	437832.2	3761834	0.00033017	5.39E-05	2.50E-05
3748	437840.9	3761838	0.000333256	5.44E-05	2.53E-05
3749	437849.5	3761841	0.000336249	5.49E-05	2.55E-05
3750	437858.1	3761845	0.000338962	5.54E-05	2.57E-05
3751	437866.7	3761849	0.000341581	5.58E-05	2.59E-05
3752	437875.4	3761852	0.000344013	5.62E-05	2.61E-05
3753	437884	3761856	0.000346444	5.66E-05	2.63E-05
3754	437892.6	3761859	0.000348783	5.70E-05	2.64E-05
3755	437901.3	3761863	0.000351028	5.73E-05	2.66E-05
3756	437909.9	3761866	0.000353366	5.77E-05	2.68E-05
3757	437918.5	3761870	0.000355704	5.81E-05	2.70E-05
3758	437927.2	3761874	0.000357949	5.85E-05	2.71E-05
3759	437935.8	3761877	0.000360287	5.89E-05	2.73E-05
3760	437944.4	3761881	0.000362439	5.92E-05	2.75E-05
3761	437953	3761884	0.000364496	5.95E-05	2.76E-05
3762	437961.7	3761888	0.000366554	5.99E-05	2.78E-05
3763	437970.3	3761891	0.000368612	6.02E-05	2.79E-05
3764	437978.9	3761895	0.000370576	6.05E-05	2.81E-05
3765	438048	3761924	0.000386196	6.31E-05	2.93E-05
3766	438056.6	3761927	0.000387973	6.34E-05	2.94E-05
3767	438065.2	3761931	0.000389657	6.37E-05	2.95E-05
3768	438073.9	3761934	0.00039134	6.39E-05	2.97E-05
3769	438082.5	3761938	0.00039293	6.42E-05	2.98E-05
3770	438091.1	3761942	0.00039452	6.45E-05	2.99E-05
3771	438099.8	3761945	0.000396017	6.47E-05	3.00E-05
3772	438108.4	3761949	0.00039742	6.49E-05	3.01E-05
3773	438117	3761952	0.000398823	6.52E-05	3.02E-05
3774	438125.7	3761956	0.000400039	6.54E-05	3.03E-05
3775	438134.3	3761959	0.000401255	6.56E-05	3.04E-05
3776	438142.9	3761963	0.000402377	6.57E-05	3.05E-05
3777	438151.5	3761967	0.000403499	6.59E-05	3.06E-05
3778	438160.2	3761970	0.000404715	6.61E-05	3.07E-05
3779	438168.8	3761974	0.000405838	6.63E-05	3.08E-05
3780	438177.4	3761977	0.00040696	6.65E-05	3.08E-05
3781	438186.1	3761981	0.000407989	6.67E-05	3.09E-05
3782	438194.7	3761984	0.000408924	6.68E-05	3.10E-05
3783	438203.3	3761988	0.00040986	6.70E-05	3.11E-05
3784	438212	3761992	0.000410608	6.71E-05	3.11E-05
3785	438220.6	3761995	0.000411356	6.72E-05	3.12E-05
3786	438229.2	3761999	0.000411917	6.73E-05	3.12E-05
3787	438237.8	3762002	0.000412478	6.74E-05	3.13E-05
3788	438246.5	3762006	0.000412946	6.75E-05	3.13E-05
3789	438255.1	3762010	0.000413414	6.75E-05	3.13E-05
3790	438267.3	3762022	0.000418652	6.84E-05	3.17E-05

3791	438270.9	3762030	0.000423609	6.92E-05	3.21E-05
3792	438274.4	3762039	0.000428472	7.00E-05	3.25E-05
3793	438303	3762108	0.000469907	7.68E-05	3.56E-05
3794	438306.5	3762117	0.000475332	7.77E-05	3.60E-05
3795	438310.1	3762125	0.000480851	7.86E-05	3.64E-05
3796	438313.7	3762134	0.000486463	7.95E-05	3.69E-05
3797	438317.2	3762143	0.000492075	8.04E-05	3.73E-05
3798	438320.8	3762151	0.00049778	8.13E-05	3.77E-05
3799	438324.4	3762160	0.000503392	8.22E-05	3.81E-05
3800	438327.9	3762169	0.000509098	8.32E-05	3.86E-05
3801	438331.5	3762177	0.000514897	8.41E-05	3.90E-05
3802	438335.1	3762186	0.000520789	8.51E-05	3.95E-05
3803	438338.6	3762194	0.000526775	8.61E-05	3.99E-05
3804	438342.2	3762203	0.000532948	8.71E-05	4.04E-05
3805	438345.8	3762212	0.000539121	8.81E-05	4.09E-05
3806	438349.3	3762220	0.000545482	8.91E-05	4.13E-05
3807	438352.9	3762229	0.000552029	9.02E-05	4.18E-05
3808	438388.5	3762315	0.000627042	1.02E-04	4.75E-05
3809	438392.1	3762324	0.000635834	1.04E-04	4.82E-05
3810	438395.7	3762333	0.000644813	1.05E-04	4.89E-05
3811	438399.2	3762341	0.000654073	1.07E-04	4.96E-05
3812	438402.8	3762350	0.00066352	1.08E-04	5.03E-05
3813	438406.4	3762359	0.000673341	1.10E-04	5.10E-05
3814	438409.9	3762367	0.000683255	1.12E-04	5.18E-05
3815	438413.5	3762376	0.00069345	1.13E-04	5.25E-05
3816	438417.1	3762384	0.000703926	1.15E-04	5.33E-05
3817	438420.6	3762393	0.000714588	1.17E-04	5.41E-05
3818	438424.2	3762402	0.000725532	1.19E-04	5.50E-05
3819	438427.8	3762410	0.000736756	1.20E-04	5.58E-05
3820	438431.3	3762419	0.000748167	1.22E-04	5.67E-05
3821	438434.9	3762428	0.000759765	1.24E-04	5.76E-05
3822	438438.5	3762436	0.00077155	1.26E-04	5.85E-05
3823	438442	3762445	0.000783522	1.28E-04	5.94E-05
3824	438445.6	3762453	0.000795775	1.30E-04	6.03E-05
3825	438449.2	3762462	0.000808121	1.32E-04	6.12E-05
3826	438452.7	3762471	0.000820654	1.34E-04	6.22E-05
3827	438456.3	3762479	0.000833281	1.36E-04	6.31E-05
3828	438459.9	3762488	0.000846095	1.38E-04	6.41E-05
3829	438463.4	3762497	0.000858909	1.40E-04	6.51E-05
3830	438467	3762505	0.00087191	1.42E-04	6.61E-05
3831	438470.6	3762514	0.000884911	1.45E-04	6.71E-05
3832	438474.1	3762523	0.000897912	1.47E-04	6.80E-05
3833	438477.7	3762531	0.000911007	1.49E-04	6.90E-05
3834	438481.3	3762540	0.000924195	1.51E-04	7.00E-05
3835	438484.8	3762548	0.000937196	1.53E-04	7.10E-05
3836	438488.4	3762557	0.00095029	1.55E-04	7.20E-05
3837	438492	3762566	0.000963385	1.57E-04	7.30E-05
3838	438495.5	3762574	0.000976292	1.59E-04	7.40E-05
3839	438499.1	3762583	0.000989293	1.62E-04	7.50E-05
3840	438502.7	3762592	0.001002107	1.64E-04	7.59E-05
3841	438506.2	3762600	0.001014828	1.66E-04	7.69E-05
3842	438509.8	3762609	0.001027642	1.68E-04	7.79E-05

3843	438513.4	3762618	0.001040456	1.70E-04	7.88E-05
3844	438516.9	3762626	0.001053083	1.72E-04	7.98E-05
3845	438520.5	3762635	0.001065522	1.74E-04	8.07E-05
3846	438524.1	3762643	0.001077775	1.76E-04	8.17E-05
3847	438527.6	3762652	0.001089841	1.78E-04	8.26E-05
3848	438531.2	3762661	0.001101626	1.80E-04	8.35E-05
3849	438534.7	3762669	0.001113317	1.82E-04	8.44E-05
3850	438538.3	3762678	0.001124728	1.84E-04	8.52E-05
3851	438541.9	3762687	0.001135859	1.86E-04	8.61E-05
3852	438545.4	3762695	0.001146709	1.87E-04	8.69E-05
3853	438549	3762704	0.001157371	1.89E-04	8.77E-05
3854	438552.6	3762713	0.001167753	1.91E-04	8.85E-05
3855	437683.5	3762711	0.02321505	3.79E-03	1.76E-03
3856	437703.5	3762711	0.02002756	3.27E-03	1.52E-03
3857	437723.5	3762711	0.01743165	2.85E-03	1.32E-03
3858	437743.5	3762711	0.01530491	2.50E-03	1.16E-03
3859	437803.5	3762711	0.01081189	1.77E-03	8.19E-04
3860	437803.5	3762675	0.008481341	1.39E-03	6.43E-04
3861	437863.5	3762711	0.008019104	1.31E-03	6.08E-04
3862	437863.5	3762702	0.00762926	1.25E-03	5.78E-04
3863	437863.5	3762693	0.007249799	1.18E-03	5.49E-04
3864	437893.5	3762711	0.007009981	1.15E-03	5.31E-04
3865	437893.5	3762702	0.006694215	1.09E-03	5.07E-04
3866	437893.5	3762693	0.006385652	1.04E-03	4.84E-04
3867	437923.5	3762711	0.006174455	1.01E-03	4.68E-04
3868	437923.5	3762702	0.00591668	9.67E-04	4.48E-04
3869	437923.5	3762693	0.005663861	9.25E-04	4.29E-04
3870	438013.5	3762711	0.004390977	7.17E-04	3.33E-04
3871	438013.5	3762702	0.004240858	6.93E-04	3.21E-04
3872	438013.5	3762693	0.004092421	6.69E-04	3.10E-04
3873	438043.5	3762711	0.00396344	6.47E-04	3.00E-04
3874	438043.5	3762702	0.003835488	6.27E-04	2.91E-04
3875	438043.5	3762693	0.003708845	6.06E-04	2.81E-04
3876	438083.5	3762720	0.003590526	5.87E-04	2.72E-04
3877	438083.5	3762711	0.00348446	5.69E-04	2.64E-04
3878	438123.5	3762684	0.00282543	4.62E-04	2.14E-04
3879	438123.5	3762675	0.002741812	4.48E-04	2.08E-04
3880	438163.5	3762711	0.002745179	4.48E-04	2.08E-04
3881	438163.5	3762702	0.002674562	4.37E-04	2.03E-04
3882	438163.5	3762693	0.002604039	4.25E-04	1.97E-04
3883	438163.5	3762684	0.002533702	4.14E-04	1.92E-04
3884	438163.5	3762675	0.00246374	4.02E-04	1.87E-04
3885	438203.5	3762711	0.002461776	4.02E-04	1.87E-04
3886	438203.5	3762702	0.002402102	3.92E-04	1.82E-04
3887	438203.5	3762693	0.002342709	3.83E-04	1.78E-04
3888	438203.5	3762684	0.002283409	3.73E-04	1.73E-04
3889	438203.5	3762675	0.002224484	3.63E-04	1.69E-04
3890	438243.5	3762711	0.002212979	3.62E-04	1.68E-04
3891	438243.5	3762702	0.002169487	3.54E-04	1.64E-04
3892	438243.5	3762693	0.00211795	3.46E-04	1.60E-04
3893	438243.5	3762684	0.002067817	3.38E-04	1.57E-04
3894	438243.5	3762675	0.00201787	3.30E-04	1.53E-04

3895	438283.5	3762711	0.002014971	3.29E-04	1.53E-04
3896	438283.5	3762702	0.001970449	3.22E-04	1.49E-04
3897	438283.5	3762693	0.001926396	3.15E-04	1.46E-04
3898	438283.5	3762684	0.001883184	3.08E-04	1.43E-04
3899	438283.5	3762675	0.001840346	3.01E-04	1.39E-04
3900	438323.5	3762711	0.001836324	3.00E-04	1.39E-04
3901	438323.5	3762702	0.001797976	2.94E-04	1.36E-04
3902	438323.5	3762693	0.001759908	2.88E-04	1.33E-04
3903	438323.5	3762684	0.001722775	2.81E-04	1.31E-04
3904	438323.5	3762675	0.001685924	2.75E-04	1.28E-04
3905	438403.5	3762711	0.001545905	2.53E-04	1.17E-04
3906	438403.5	3762702	0.001516817	2.48E-04	1.15E-04
3907	438403.5	3762693	0.001487822	2.43E-04	1.13E-04
3908	438403.5	3762684	0.001459201	2.38E-04	1.11E-04
3909	438403.5	3762675	0.001430954	2.34E-04	1.08E-04
3910	438443.5	3762711	0.00142609	2.33E-04	1.08E-04
3911	438443.5	3762702	0.001400743	2.29E-04	1.06E-04
3912	438443.5	3762693	0.001375396	2.25E-04	1.04E-04
3913	438443.5	3762684	0.001350048	2.21E-04	1.02E-04
3914	438443.5	3762675	0.001324794	2.16E-04	1.00E-04
3915	437433.5	3762665	0.0237784	3.88E-03	1.80E-03
3916	437423.6	3762665	0.02263524	3.70E-03	1.72E-03
3917	437413.7	3762665	0.0214066	3.50E-03	1.62E-03
3918	437403.8	3762665	0.0201224	3.29E-03	1.52E-03
3919	437393.9	3762665	0.01884764	3.08E-03	1.43E-03
3920	437433.5	3762655	0.01960292	3.20E-03	1.49E-03
3921	437423.6	3762655	0.01873755	3.06E-03	1.42E-03
3922	437413.7	3762655	0.01780663	2.91E-03	1.35E-03
3923	437403.8	3762655	0.01684071	2.75E-03	1.28E-03
3924	437393.9	3762655	0.01586723	2.59E-03	1.20E-03
3925	437433.4	3762645	0.01641945	2.68E-03	1.24E-03
3926	437423.6	3762645	0.01575088	2.57E-03	1.19E-03
3927	437413.7	3762645	0.01503535	2.46E-03	1.14E-03
3928	437403.8	3762645	0.01429588	2.34E-03	1.08E-03
3929	437393.9	3762645	0.01354379	2.21E-03	1.03E-03
3930	437433.4	3762635	0.01392727	2.28E-03	1.06E-03
3931	437423.5	3762635	0.01340209	2.19E-03	1.02E-03
3932	437413.6	3762635	0.01284473	2.10E-03	9.73E-04
3933	437403.7	3762635	0.01227109	2.00E-03	9.30E-04
3934	437393.8	3762635	0.01168754	1.91E-03	8.86E-04
3935	437433.4	3762625	0.01194962	1.95E-03	9.05E-04
3936	437423.5	3762625	0.011532	1.88E-03	8.74E-04
3937	437413.6	3762625	0.01109211	1.81E-03	8.41E-04
3938	437403.7	3762625	0.0106397	1.74E-03	8.06E-04
3939	437393.8	3762625	0.01018148	1.66E-03	7.72E-04
3940	437433.3	3762615	0.01036424	1.69E-03	7.85E-04
3941	437423.4	3762615	0.0100279	1.64E-03	7.60E-04
3942	437413.5	3762615	0.009675564	1.58E-03	7.33E-04
3943	437403.6	3762615	0.009314061	1.52E-03	7.06E-04
3944	437393.8	3762615	0.008947788	1.46E-03	6.78E-04
3945	437433.3	3762605	0.009071625	1.48E-03	6.87E-04
3946	437423.4	3762605	0.008797762	1.44E-03	6.67E-04

3947	437413.5	3762605	0.00851202	1.39E-03	6.45E-04
3948	437403.6	3762605	0.008219918	1.34E-03	6.23E-04
3949	437393.7	3762605	0.00792342	1.29E-03	6.00E-04
3950	437475.6	3762608	0.01050931	1.72E-03	7.96E-04
3951	437433.3	3762595	0.008002454	1.31E-03	6.06E-04
3952	437423.4	3762595	0.007777042	1.27E-03	5.89E-04
3953	437413.5	3762595	0.007542836	1.23E-03	5.72E-04
3954	437403.6	3762595	0.007304048	1.19E-03	5.53E-04
3955	437393.7	3762595	0.007061799	1.15E-03	5.35E-04
3956	437433.2	3762585	0.00710473	1.16E-03	5.38E-04
3957	437423.3	3762585	0.006918226	1.13E-03	5.24E-04
3958	437413.4	3762585	0.006724895	1.10E-03	5.10E-04
3959	437403.5	3762585	0.006528382	1.07E-03	4.95E-04
3960	437393.6	3762585	0.006329065	1.03E-03	4.80E-04
3961	437478.6	3762589	0.008288851	1.35E-03	6.28E-04
3962	437433.2	3762575	0.006343937	1.04E-03	4.81E-04
3963	437423.3	3762575	0.006188391	1.01E-03	4.69E-04
3964	437413.4	3762575	0.006028264	9.85E-04	4.57E-04
3965	437403.5	3762575	0.005865611	9.58E-04	4.44E-04
3966	437393.6	3762575	0.005700713	9.31E-04	4.32E-04
3967	437477.1	3762569	0.006505467	1.06E-03	4.93E-04
3968	437433.1	3762555	0.005141575	8.40E-04	3.90E-04
3969	437423.2	3762555	0.005029524	8.22E-04	3.81E-04
3970	437413.3	3762555	0.004915975	8.03E-04	3.73E-04
3971	437403.4	3762555	0.004801024	7.84E-04	3.64E-04
3972	437393.5	3762555	0.004685699	7.65E-04	3.55E-04
3973	437479	3762549	0.005339397	8.72E-04	4.05E-04
3974	437524.2	3762568	0.006842839	1.12E-03	5.19E-04
3975	437533.2	3762572	0.007160756	1.17E-03	5.43E-04
3976	437433	3762535	0.004246189	6.94E-04	3.22E-04
3977	437423.1	3762535	0.004162291	6.80E-04	3.15E-04
3978	437413.2	3762535	0.004078672	6.66E-04	3.09E-04
3979	437403.3	3762535	0.003994025	6.52E-04	3.03E-04
3980	437393.4	3762535	0.003910501	6.39E-04	2.96E-04
3981	437477.8	3762529	0.004377696	7.15E-04	3.32E-04
3982	437530.2	3762551	0.005726715	9.36E-04	4.34E-04
3983	437432.9	3762515	0.003564805	5.82E-04	2.70E-04
3984	437423.1	3762515	0.003499987	5.72E-04	2.65E-04
3985	437413.2	3762515	0.003435543	5.61E-04	2.60E-04
3986	437403.3	3762515	0.003370725	5.51E-04	2.55E-04
3987	437393.4	3762515	0.00330731	5.40E-04	2.51E-04
3988	437479.3	3762510	0.003696218	6.04E-04	2.80E-04
3989	437524.9	3762528	0.004615362	7.54E-04	3.50E-04
3990	437432.9	3762495	0.003030079	4.95E-04	2.30E-04
3991	437423	3762495	0.002979665	4.87E-04	2.26E-04
3992	437413.1	3762495	0.002929812	4.79E-04	2.22E-04
3993	437403.2	3762495	0.002879866	4.70E-04	2.18E-04
3994	437393.3	3762495	0.002831042	4.62E-04	2.15E-04
3995	437478.2	3762489	0.003120245	5.10E-04	2.36E-04
3996	437531.4	3762511	0.003982801	6.51E-04	3.02E-04
3997	437610.4	3762595	0.008709841	1.42E-03	6.60E-04
3998	437617.7	3762613	0.01039923	1.70E-03	7.88E-04

3999	437632.4	3762648	0.01502347	2.45E-03	1.14E-03
4000	437432.8	3762475	0.002604319	4.25E-04	1.97E-04
4001	437422.9	3762475	0.002564381	4.19E-04	1.94E-04
4002	437413	3762475	0.002525097	4.13E-04	1.91E-04
4003	437403.1	3762475	0.002485814	4.06E-04	1.88E-04
4004	437393.2	3762475	0.002447652	4.00E-04	1.85E-04
4005	437477.3	3762469	0.002668202	4.36E-04	2.02E-04
4006	437529.3	3762490	0.003348931	5.47E-04	2.54E-04
4007	437623.9	3762579	0.007241662	1.18E-03	5.49E-04
4008	437645.5	3762631	0.01171195	1.91E-03	8.87E-04
4009	437432.7	3762455	0.002260213	3.69E-04	1.71E-04
4010	437422.8	3762455	0.002228225	3.64E-04	1.69E-04
4011	437412.9	3762455	0.002196518	3.59E-04	1.66E-04
4012	437403	3762455	0.002164997	3.54E-04	1.64E-04
4013	437393.1	3762455	0.002134412	3.49E-04	1.62E-04
4014	437478.4	3762449	0.00232447	3.80E-04	1.76E-04
4015	437523.2	3762468	0.002802141	4.58E-04	2.12E-04
4016	437532.2	3762471	0.002905868	4.75E-04	2.20E-04
4017	437616.6	3762514	0.004106265	6.71E-04	3.11E-04
4018	437627.7	3762540	0.005059829	8.27E-04	3.83E-04
4019	437657.4	3762612	0.009162071	1.50E-03	6.94E-04
4020	437432.6	3762435	0.001978213	3.23E-04	1.50E-04
4021	437422.7	3762435	0.001952024	3.19E-04	1.48E-04
4022	437412.9	3762435	0.001926302	3.15E-04	1.46E-04
4023	437403	3762435	0.001900768	3.11E-04	1.44E-04
4024	437393.1	3762435	0.001875982	3.06E-04	1.42E-04
4025	437477.6	3762429	0.002026943	3.31E-04	1.54E-04
4026	437530.3	3762451	0.002498067	4.08E-04	1.89E-04
4027	437641.5	3762526	0.004409309	7.20E-04	3.34E-04
4028	437659.7	3762569	0.006133488	1.00E-03	4.65E-04
4029	437674.3	3762604	0.008071295	1.32E-03	6.12E-04
4030	437681.6	3762622	0.009281325	1.52E-03	7.03E-04
4031	437432.6	3762415	0.001744755	2.85E-04	1.32E-04
4032	437422.7	3762415	0.001723056	2.81E-04	1.31E-04
4033	437412.8	3762415	0.001701824	2.78E-04	1.29E-04
4034	437402.9	3762415	0.001680966	2.75E-04	1.27E-04
4035	437393	3762415	0.00166067	2.71E-04	1.26E-04
4036	437460.4	3762402	0.001675822	2.74E-04	1.27E-04
4037	437469.5	3762406	0.001733345	2.83E-04	1.31E-04
4038	437478.5	3762409	0.001793392	2.93E-04	1.36E-04
4039	437523.7	3762428	0.0021288	3.48E-04	1.61E-04
4040	437532.7	3762432	0.002201849	3.60E-04	1.67E-04
4041	437656	3762512	0.003919386	6.40E-04	2.97E-04
4042	437686	3762584	0.006529037	1.07E-03	4.95E-04
4043	437432.5	3762395	0.00154974	2.53E-04	1.17E-04
4044	437422.6	3762395	0.001531501	2.50E-04	1.16E-04
4045	437412.7	3762395	0.00151373	2.47E-04	1.15E-04
4046	437402.8	3762395	0.001496333	2.44E-04	1.13E-04
4047	437392.9	3762395	0.001479591	2.42E-04	1.12E-04
4048	437451.2	3762378	0.001445077	2.36E-04	1.10E-04
4049	437504.4	3762400	0.001749526	2.86E-04	1.33E-04
4050	437513.3	3762404	0.001806955	2.95E-04	1.37E-04

4051	437522.1	3762407	0.00186588	3.05E-04	1.41E-04
4052	437531	3762411	0.001926302	3.15E-04	1.46E-04
4053	437658.9	3762471	0.002933273	4.79E-04	2.22E-04
4054	437703	3762577	0.005866921	9.58E-04	4.45E-04
4055	437442.3	3762375	0.001401304	2.29E-04	1.06E-04
4056	437432.4	3762375	0.001385404	2.26E-04	1.05E-04
4057	437422.5	3762375	0.001369877	2.24E-04	1.04E-04
4058	437412.6	3762375	0.001354818	2.21E-04	1.03E-04
4059	437402.7	3762375	0.001340227	2.19E-04	1.02E-04
4060	437392.8	3762375	0.001326104	2.17E-04	1.00E-04
4061	437451.2	3762348	0.00123173	2.01E-04	9.33E-05
4062	437505.2	3762371	0.001476785	2.41E-04	1.12E-04
4063	437514.2	3762374	0.00152299	2.49E-04	1.15E-04
4064	437523.2	3762378	0.001570504	2.57E-04	1.19E-04
4065	437532.3	3762382	0.001619235	2.65E-04	1.23E-04
4066	437683.8	3762459	0.00265941	4.34E-04	2.02E-04
4067	437706.2	3762513	0.003645897	5.96E-04	2.76E-04
4068	437713.7	3762531	0.00405847	6.63E-04	3.08E-04
4069	437442.2	3762345	0.001196468	1.95E-04	9.07E-05
4070	437432.3	3762345	0.00118356	1.93E-04	8.97E-05
4071	437422.4	3762345	0.001171121	1.91E-04	8.87E-05
4072	437412.5	3762345	0.001159148	1.89E-04	8.78E-05
4073	437402.6	3762345	0.00114755	1.87E-04	8.70E-05
4074	437392.7	3762345	0.00113642	1.86E-04	8.61E-05
4075	437451.2	3762318	0.001062529	1.74E-04	8.05E-05
4076	437505.9	3762341	0.001262408	2.06E-04	9.57E-05
4077	437515.1	3762345	0.001300008	2.12E-04	9.85E-05
4078	437524.2	3762348	0.001338824	2.19E-04	1.01E-04
4079	437701.3	3762429	0.002197079	3.59E-04	1.66E-04
4080	437705.1	3762438	0.002304641	3.76E-04	1.75E-04
4081	437720.2	3762474	0.002797745	4.57E-04	2.12E-04
4082	437742.9	3762529	0.003762719	6.15E-04	2.85E-04
4083	437761.8	3762574	0.004849006	7.92E-04	3.67E-04
4084	437769.4	3762593	0.00537999	8.79E-04	4.08E-04
4085	437777	3762611	0.00597467	9.76E-04	4.53E-04
4086	437442.1	3762315	0.001033721	1.69E-04	7.83E-05
4087	437432.2	3762315	0.001023246	1.67E-04	7.75E-05
4088	437422.3	3762315	0.001013144	1.66E-04	7.68E-05
4089	437412.4	3762315	0.001003417	1.64E-04	7.60E-05
4090	437402.5	3762315	0.00099397	1.62E-04	7.53E-05
4091	437392.6	3762315	0.000984991	1.61E-04	7.46E-05
4092	437450.9	3762288	0.000925598	1.51E-04	7.01E-05
4093	437504.4	3762310	0.001084697	1.77E-04	8.22E-05
4094	437513.4	3762314	0.001114346	1.82E-04	8.44E-05
4095	437522.3	3762318	0.001145025	1.87E-04	8.68E-05
4096	437531.2	3762321	0.001176639	1.92E-04	8.92E-05
4097	437726.1	3762416	0.002010201	3.28E-04	1.52E-04
4098	437740.9	3762452	0.002392842	3.91E-04	1.81E-04
4099	437755.7	3762487	0.002854519	4.66E-04	2.16E-04
4100	437442	3762285	0.000902589	1.47E-04	6.84E-05
4101	437432.1	3762285	0.00089389	1.46E-04	6.77E-05
4102	437422.2	3762285	0.000885472	1.45E-04	6.71E-05

4103	437412.3	3762285	0.000877429	1.43E-04	6.65E-05
4104	437402.4	3762285	0.000869665	1.42E-04	6.59E-05
4105	437392.5	3762285	0.000862276	1.41E-04	6.53E-05
4106	437450.9	3762258	0.000814949	1.33E-04	6.18E-05
4107	437505.1	3762281	0.000948046	1.55E-04	7.18E-05
4108	437514.1	3762284	0.000972925	1.59E-04	7.37E-05
4109	437523.1	3762288	0.000998553	1.63E-04	7.57E-05
4110	437532.2	3762292	0.001024836	1.67E-04	7.77E-05
4111	437747.4	3762395	0.00177347	2.90E-04	1.34E-04
4112	437762.3	3762431	0.002087739	3.41E-04	1.58E-04
4113	437777.3	3762467	0.002461495	4.02E-04	1.87E-04
4114	437441.8	3762255	0.000795681	1.30E-04	6.03E-05
4115	437431.9	3762255	0.000788292	1.29E-04	5.97E-05
4116	437422.1	3762255	0.000781184	1.28E-04	5.92E-05
4117	437412.2	3762255	0.000774356	1.27E-04	5.87E-05
4118	437402.3	3762255	0.000767902	1.25E-04	5.82E-05
4119	437392.4	3762255	0.000761635	1.24E-04	5.77E-05
4120	437450.8	3762228	0.000723661	1.18E-04	5.48E-05
4121	437505.6	3762251	0.000836087	1.37E-04	6.34E-05
4122	437514.7	3762255	0.000857132	1.40E-04	6.49E-05
4123	437523.8	3762258	0.000878832	1.44E-04	6.66E-05
4124	437768.6	3762374	0.00157649	2.58E-04	1.19E-04
4125	437783.7	3762410	0.001837259	3.00E-04	1.39E-04
4126	437798.9	3762447	0.002143859	3.50E-04	1.62E-04
4127	437441.7	3762225	0.000707293	1.16E-04	5.36E-05
4128	437431.8	3762225	0.000701026	1.15E-04	5.31E-05
4129	437421.9	3762225	0.00069504	1.14E-04	5.27E-05
4130	437412	3762225	0.000689241	1.13E-04	5.22E-05
4131	437402.2	3762225	0.000683723	1.12E-04	5.18E-05
4132	437392.3	3762225	0.000678485	1.11E-04	5.14E-05
4133	437450.6	3762198	0.000647245	1.06E-04	4.90E-05
4134	437504.4	3762220	0.000740123	1.21E-04	5.61E-05
4135	437513.3	3762224	0.00075752	1.24E-04	5.74E-05
4136	437522.3	3762228	0.000775385	1.27E-04	5.88E-05
4137	437789.6	3762352	0.001408974	2.30E-04	1.07E-04
4138	437804.5	3762388	0.00162017	2.65E-04	1.23E-04
4139	437819.4	3762424	0.001865974	3.05E-04	1.41E-04
4140	437441.6	3762195	0.000633683	1.04E-04	4.80E-05
4141	437431.7	3762195	0.000628258	1.03E-04	4.76E-05
4142	437421.8	3762195	0.000623114	1.02E-04	4.72E-05
4143	437411.9	3762195	0.000618156	1.01E-04	4.68E-05
4144	437402	3762195	0.000613386	1.00E-04	4.65E-05
4145	437392.1	3762195	0.000608803	9.95E-05	4.61E-05
4146	437450.5	3762168	0.000583269	9.53E-05	4.42E-05
4147	437504.8	3762191	0.000663146	1.08E-04	5.03E-05
4148	437513.9	3762194	0.000678111	1.11E-04	5.14E-05
4149	437522.9	3762198	0.000693544	1.13E-04	5.26E-05
4150	437810.9	3762331	0.001269985	2.07E-04	9.62E-05
4151	437825.9	3762368	0.001448632	2.37E-04	1.10E-04
4152	437840.9	3762404	0.00165459	2.70E-04	1.25E-04
4153	437923.4	3762602	0.00356705	5.83E-04	2.70E-04
4154	437441.5	3762165	0.000571577	9.34E-05	4.33E-05

4155	437431.6	3762165	0.000566994	9.26E-05	4.30E-05
4156	437421.7	3762165	0.000562505	9.19E-05	4.26E-05
4157	437411.8	3762165	0.000558202	9.12E-05	4.23E-05
4158	437401.9	3762165	0.000554087	9.05E-05	4.20E-05
4159	437392	3762165	0.000550065	8.99E-05	4.17E-05
4160	437450.5	3762138	0.000529114	8.64E-05	4.01E-05
4161	437505.2	3762161	0.000598702	9.78E-05	4.54E-05
4162	437514.4	3762165	0.000611609	9.99E-05	4.63E-05
4163	437523.5	3762168	0.000624891	1.02E-04	4.74E-05
4164	437832.1	3762310	0.001151385	1.88E-04	8.72E-05
4165	437847.3	3762347	0.001303937	2.13E-04	9.88E-05
4166	437862.4	3762383	0.001478001	2.41E-04	1.12E-04
4167	437441.4	3762135	0.000518918	8.48E-05	3.93E-05
4168	437431.5	3762135	0.000514803	8.41E-05	3.90E-05
4169	437421.6	3762135	0.000510875	8.35E-05	3.87E-05
4170	437411.7	3762135	0.000507133	8.28E-05	3.84E-05
4171	437401.8	3762135	0.000503486	8.23E-05	3.82E-05
4172	437391.9	3762135	0.000500025	8.17E-05	3.79E-05
4173	437450.3	3762108	0.000482721	7.89E-05	3.66E-05
4174	437504.2	3762131	0.000542021	8.85E-05	4.11E-05
4175	437513.2	3762134	0.000552964	9.03E-05	4.19E-05
4176	437522.2	3762138	0.000564375	9.22E-05	4.28E-05
4177	437853.2	3762289	0.001048219	1.71E-04	7.94E-05
4178	437868.1	3762325	0.001176078	1.92E-04	8.91E-05
4179	437883	3762361	0.001320211	2.16E-04	1.00E-04
4180	437441.3	3762105	0.000473929	7.74E-05	3.59E-05
4181	437431.4	3762105	0.000470188	7.68E-05	3.56E-05
4182	437421.5	3762105	0.000466727	7.62E-05	3.54E-05
4183	437411.6	3762105	0.00046336	7.57E-05	3.51E-05
4184	437401.7	3762105	0.00046018	7.52E-05	3.49E-05
4185	437391.8	3762105	0.000457187	7.47E-05	3.46E-05
4186	437486.4	3762093	0.000476642	7.79E-05	3.61E-05
4187	437495.5	3762097	0.000485808	7.94E-05	3.68E-05
4188	437504.6	3762101	0.000495161	8.09E-05	3.75E-05
4189	437513.6	3762104	0.000504702	8.25E-05	3.82E-05
4190	437522.7	3762108	0.000514522	8.41E-05	3.90E-05
4191	437889.4	3762304	0.001071415	1.75E-04	8.12E-05
4192	437904.5	3762340	0.001195439	1.95E-04	9.06E-05
4193	437921.5	3762285	0.000976947	1.60E-04	7.40E-05
4194	437925.3	3762294	0.001002107	1.64E-04	7.59E-05
4195	437936.6	3762321	0.001081329	1.77E-04	8.19E-05
4196	437940.3	3762330	0.001109015	1.81E-04	8.40E-05
4197	438002.6	3762384	0.001216764	1.99E-04	9.22E-05
4198	438006.4	3762393	0.001246227	2.04E-04	9.44E-05
4199	438010.2	3762402	0.001276625	2.09E-04	9.67E-05
4200	438014	3762411	0.001308052	2.14E-04	9.91E-05
4201	438017.7	3762420	0.001340601	2.19E-04	1.02E-04
4202	438021.5	3762429	0.001374273	2.25E-04	1.04E-04
4203	438025.3	3762438	0.001409161	2.30E-04	1.07E-04
4204	438029.1	3762447	0.001445264	2.36E-04	1.10E-04
4205	438032.8	3762457	0.001482864	2.42E-04	1.12E-04
4206	438036.6	3762466	0.001521867	2.49E-04	1.15E-04

4207	438040.4	3762475	0.001562367	2.55E-04	1.18E-04
4208	438044.2	3762484	0.00160427	2.62E-04	1.22E-04
4209	438047.9	3762493	0.001647762	2.69E-04	1.25E-04
4210	438051.7	3762502	0.001692751	2.77E-04	1.28E-04
4211	438055.5	3762511	0.001739331	2.84E-04	1.32E-04
4212	438059.3	3762520	0.001787219	2.92E-04	1.35E-04
4213	438063	3762529	0.001836698	3.00E-04	1.39E-04
4214	438066.8	3762538	0.001887393	3.08E-04	1.43E-04
4215	438070.6	3762547	0.00193921	3.17E-04	1.47E-04
4216	438074.4	3762556	0.001992055	3.25E-04	1.51E-04
4217	438078.2	3762566	0.002045837	3.34E-04	1.55E-04
4218	438081.9	3762575	0.002101021	3.43E-04	1.59E-04
4219	438085.7	3762584	0.002157608	3.52E-04	1.63E-04
4220	438089.5	3762593	0.002214944	3.62E-04	1.68E-04
4221	438093.3	3762602	0.002273401	3.71E-04	1.72E-04
4222	438097	3762611	0.002332794	3.81E-04	1.77E-04
4223	438100.8	3762620	0.002392188	3.91E-04	1.81E-04
4224	438104.6	3762629	0.002451581	4.01E-04	1.86E-04
4225	438108.4	3762638	0.002510974	4.10E-04	1.90E-04
4226	438112.1	3762647	0.002570086	4.20E-04	1.95E-04
4227	438115.9	3762656	0.002628638	4.29E-04	1.99E-04
4228	438119.7	3762666	0.00268588	4.39E-04	2.04E-04
4229	437981.9	3762237	0.00080597	1.32E-04	6.11E-05
4230	437985.6	3762247	0.000823834	1.35E-04	6.24E-05
4231	437997	3762274	0.00087986	1.44E-04	6.67E-05
4232	438000.8	3762283	0.000899409	1.47E-04	6.82E-05
4233	438004.6	3762292	0.000919331	1.50E-04	6.97E-05
4234	438008.3	3762301	0.000939721	1.54E-04	7.12E-05
4235	438012.1	3762310	0.000960485	1.57E-04	7.28E-05
4236	438015.9	3762319	0.000981717	1.60E-04	7.44E-05
4237	438019.7	3762329	0.001003417	1.64E-04	7.60E-05
4238	438042.4	3762383	0.00114596	1.87E-04	8.68E-05
4239	438046.2	3762392	0.001172243	1.92E-04	8.88E-05
4240	438050	3762401	0.001199274	1.96E-04	9.09E-05
4241	438053.7	3762410	0.001227053	2.00E-04	9.30E-05
4242	438057.5	3762420	0.001255861	2.05E-04	9.52E-05
4243	438061.3	3762429	0.001285885	2.10E-04	9.74E-05
4244	438065.1	3762438	0.001317031	2.15E-04	9.98E-05
4245	438068.9	3762447	0.001349394	2.20E-04	1.02E-04
4246	438072.7	3762456	0.001382878	2.26E-04	1.05E-04
4247	438076.4	3762465	0.001417485	2.32E-04	1.07E-04
4248	438080.2	3762474	0.001453402	2.37E-04	1.10E-04
4249	438084	3762483	0.001490534	2.44E-04	1.13E-04
4250	438087.8	3762492	0.001528882	2.50E-04	1.16E-04
4251	438091.6	3762502	0.001568634	2.56E-04	1.19E-04
4252	438095.4	3762511	0.001609507	2.63E-04	1.22E-04
4253	438099.1	3762520	0.001651317	2.70E-04	1.25E-04
4254	438102.9	3762529	0.001694154	2.77E-04	1.28E-04
4255	438106.7	3762538	0.001737928	2.84E-04	1.32E-04
4256	438110.5	3762547	0.001782917	2.91E-04	1.35E-04
4257	438114.3	3762556	0.001829028	2.99E-04	1.39E-04
4258	438118.1	3762565	0.001876169	3.07E-04	1.42E-04

4259	438121.8	3762574	0.001924338	3.14E-04	1.46E-04
4260	438125.6	3762584	0.001973068	3.22E-04	1.50E-04
4261	438129.4	3762593	0.00202236	3.30E-04	1.53E-04
4262	438133.2	3762602	0.002071932	3.38E-04	1.57E-04
4263	438137	3762611	0.002121785	3.47E-04	1.61E-04
4264	438140.8	3762620	0.002171731	3.55E-04	1.65E-04
4265	438144.5	3762629	0.002221678	3.63E-04	1.68E-04
4266	438148.3	3762638	0.002271624	3.71E-04	1.72E-04
4267	438152.1	3762647	0.002321196	3.79E-04	1.76E-04
4268	438155.9	3762656	0.00237002	3.87E-04	1.80E-04
4269	438159.7	3762666	0.002417441	3.95E-04	1.83E-04
4270	437987.4	3762154	0.000645094	1.05E-04	4.89E-05
4271	437991.2	3762164	0.000658469	1.08E-04	4.99E-05
4272	437995	3762173	0.000672031	1.10E-04	5.09E-05
4273	438006.4	3762200	0.000715337	1.17E-04	5.42E-05
4274	438010.1	3762209	0.000730302	1.19E-04	5.53E-05
4275	438013.9	3762218	0.000745548	1.22E-04	5.65E-05
4276	438025.3	3762246	0.000792969	1.30E-04	6.01E-05
4277	438029.1	3762255	0.00080943	1.32E-04	6.13E-05
4278	438032.9	3762264	0.000826173	1.35E-04	6.26E-05
4279	438036.7	3762273	0.000843289	1.38E-04	6.39E-05
4280	438040.5	3762282	0.000860593	1.41E-04	6.52E-05
4281	438044.3	3762291	0.000878364	1.43E-04	6.66E-05
4282	438048	3762300	0.000896509	1.46E-04	6.79E-05
4283	438051.8	3762310	0.000914935	1.49E-04	6.93E-05
4284	438055.6	3762319	0.000933829	1.53E-04	7.08E-05
4285	438059.4	3762328	0.000953096	1.56E-04	7.22E-05
4286	438063.2	3762337	0.000972925	1.59E-04	7.37E-05
4287	438067	3762346	0.000993222	1.62E-04	7.53E-05
4288	438070.8	3762355	0.00101408	1.66E-04	7.68E-05
4289	438074.6	3762364	0.001035498	1.69E-04	7.85E-05
4290	438078.4	3762373	0.001057479	1.73E-04	8.01E-05
4291	438082.2	3762383	0.001080301	1.76E-04	8.19E-05
4292	438086	3762392	0.001103684	1.80E-04	8.36E-05
4293	438089.7	3762401	0.001128002	1.84E-04	8.55E-05
4294	438093.5	3762410	0.001152975	1.88E-04	8.74E-05
4295	438097.3	3762419	0.001178884	1.93E-04	8.93E-05
4296	438101.1	3762428	0.001205821	1.97E-04	9.14E-05
4297	438104.9	3762437	0.001233694	2.02E-04	9.35E-05
4298	438108.7	3762447	0.001262595	2.06E-04	9.57E-05
4299	438112.5	3762456	0.001292432	2.11E-04	9.79E-05
4300	438116.3	3762465	0.001323391	2.16E-04	1.00E-04
4301	438120.1	3762474	0.00135538	2.21E-04	1.03E-04
4302	438123.9	3762483	0.001388397	2.27E-04	1.05E-04
4303	438127.6	3762492	0.001422349	2.32E-04	1.08E-04
4304	438131.4	3762501	0.001457424	2.38E-04	1.10E-04
4305	438135.2	3762510	0.00149334	2.44E-04	1.13E-04
4306	438139	3762520	0.001530192	2.50E-04	1.16E-04
4307	438142.8	3762529	0.001567886	2.56E-04	1.19E-04
4308	438146.6	3762538	0.001606514	2.62E-04	1.22E-04
4309	438150.4	3762547	0.001646079	2.69E-04	1.25E-04
4310	438154.2	3762556	0.001686391	2.75E-04	1.28E-04

4311	438158	3762565	0.001727358	2.82E-04	1.31E-04
4312	438161.8	3762574	0.001768793	2.89E-04	1.34E-04
4313	438165.6	3762583	0.001810696	2.96E-04	1.37E-04
4314	438169.3	3762593	0.001852973	3.03E-04	1.40E-04
4315	438173.1	3762602	0.001895249	3.10E-04	1.44E-04
4316	438176.9	3762611	0.001937807	3.17E-04	1.47E-04
4317	438180.7	3762620	0.001980083	3.23E-04	1.50E-04
4318	438184.5	3762629	0.002022173	3.30E-04	1.53E-04
4319	438188.3	3762638	0.002063795	3.37E-04	1.56E-04
4320	438192.1	3762647	0.002104949	3.44E-04	1.60E-04
4321	438195.9	3762656	0.002145823	3.51E-04	1.63E-04
4322	438199.7	3762666	0.002185668	3.57E-04	1.66E-04
4323	438015.5	3762126	0.000592529	9.68E-05	4.49E-05
4324	438019.3	3762135	0.000603752	9.86E-05	4.57E-05
4325	438023	3762144	0.000615257	1.01E-04	4.66E-05
4326	438034.2	3762171	0.000651173	1.06E-04	4.93E-05
4327	438037.9	3762180	0.000663707	1.08E-04	5.03E-05
4328	438041.7	3762189	0.000676614	1.11E-04	5.13E-05
4329	438052.9	3762216	0.000716459	1.17E-04	5.43E-05
4330	438056.6	3762225	0.000730208	1.19E-04	5.53E-05
4331	438060.4	3762234	0.000744145	1.22E-04	5.64E-05
4332	438064.1	3762243	0.000758362	1.24E-04	5.75E-05
4333	438067.8	3762252	0.000772953	1.26E-04	5.86E-05
4334	438071.6	3762261	0.000787731	1.29E-04	5.97E-05
4335	438075.3	3762270	0.000802603	1.31E-04	6.08E-05
4336	438079	3762279	0.000817848	1.34E-04	6.20E-05
4337	438082.8	3762288	0.000833281	1.36E-04	6.31E-05
4338	438086.5	3762297	0.000849088	1.39E-04	6.43E-05
4339	438090.3	3762306	0.000865176	1.41E-04	6.56E-05
4340	438094	3762315	0.000881637	1.44E-04	6.68E-05
4341	438097.7	3762324	0.000898473	1.47E-04	6.81E-05
4342	438101.5	3762333	0.000915683	1.50E-04	6.94E-05
4343	438105.2	3762342	0.000933361	1.52E-04	7.07E-05
4344	438108.9	3762351	0.0009516	1.55E-04	7.21E-05
4345	438112.7	3762360	0.0009704	1.59E-04	7.35E-05
4346	438116.4	3762369	0.000989668	1.62E-04	7.50E-05
4347	438120.1	3762378	0.00100959	1.65E-04	7.65E-05
4348	438123.9	3762387	0.001030074	1.68E-04	7.81E-05
4349	438127.6	3762396	0.001051212	1.72E-04	7.97E-05
4350	438131.4	3762405	0.001073099	1.75E-04	8.13E-05
4351	438135.1	3762414	0.00109564	1.79E-04	8.30E-05
4352	438138.8	3762423	0.001119023	1.83E-04	8.48E-05
4353	438142.6	3762432	0.001143248	1.87E-04	8.66E-05
4354	438146.3	3762441	0.001168221	1.91E-04	8.85E-05
4355	438150	3762450	0.00119413	1.95E-04	9.05E-05
4356	438153.8	3762459	0.001220973	1.99E-04	9.25E-05
4357	438157.5	3762468	0.001248659	2.04E-04	9.46E-05
4358	438161.3	3762477	0.001277186	2.09E-04	9.68E-05
4359	438165	3762486	0.001306462	2.13E-04	9.90E-05
4360	438168.7	3762495	0.001336486	2.18E-04	1.01E-04
4361	438172.5	3762504	0.001367258	2.23E-04	1.04E-04
4362	438176.2	3762513	0.001398872	2.29E-04	1.06E-04

4363	438183.7	3762531	0.001464252	2.39E-04	1.11E-04
4364	438187.4	3762540	0.001497923	2.45E-04	1.14E-04
4365	438191.1	3762549	0.001532063	2.50E-04	1.16E-04
4366	438194.9	3762558	0.00156667	2.56E-04	1.19E-04
4367	438198.6	3762567	0.001601557	2.62E-04	1.21E-04
4368	438202.4	3762576	0.001636819	2.67E-04	1.24E-04
4369	438206.1	3762585	0.001672361	2.73E-04	1.27E-04
4370	438221	3762621	0.001814437	2.96E-04	1.37E-04
4371	438224.8	3762630	0.001849512	3.02E-04	1.40E-04
4372	438228.5	3762639	0.0018844	3.08E-04	1.43E-04
4373	438232.2	3762648	0.00191882	3.13E-04	1.45E-04
4374	438236	3762657	0.001952678	3.19E-04	1.48E-04
4375	438239.7	3762666	0.001985602	3.24E-04	1.50E-04
4376	438047.5	3762107	0.00055708	9.10E-05	4.22E-05
4377	438051.3	3762116	0.000566994	9.26E-05	4.30E-05
4378	438062.5	3762143	0.000597953	9.77E-05	4.53E-05
4379	438066.2	3762152	0.000608803	9.95E-05	4.61E-05
4380	438070	3762161	0.00061984	1.01E-04	4.70E-05
4381	438081.2	3762188	0.00065426	1.07E-04	4.96E-05
4382	438085	3762197	0.000666139	1.09E-04	5.05E-05
4383	438088.7	3762206	0.000678204	1.11E-04	5.14E-05
4384	438092.5	3762215	0.000690364	1.13E-04	5.23E-05
4385	438096.2	3762224	0.000702803	1.15E-04	5.33E-05
4386	438099.9	3762233	0.000715337	1.17E-04	5.42E-05
4387	438103.7	3762242	0.000728057	1.19E-04	5.52E-05
4388	438107.4	3762251	0.000740965	1.21E-04	5.61E-05
4389	438111.2	3762260	0.000754059	1.23E-04	5.71E-05
4390	438114.9	3762269	0.000767341	1.25E-04	5.81E-05
4391	438118.7	3762278	0.000780903	1.28E-04	5.92E-05
4392	438122.4	3762287	0.000794839	1.30E-04	6.02E-05
4393	438126.2	3762296	0.000808963	1.32E-04	6.13E-05
4394	438129.9	3762305	0.000823367	1.35E-04	6.24E-05
4395	438133.7	3762314	0.000838051	1.37E-04	6.35E-05
4396	438137.4	3762323	0.000853204	1.39E-04	6.47E-05
4397	438141.1	3762332	0.00086873	1.42E-04	6.58E-05
4398	438144.9	3762341	0.000884631	1.45E-04	6.70E-05
4399	438148.6	3762350	0.000901092	1.47E-04	6.83E-05
4400	438152.4	3762359	0.000918302	1.50E-04	6.96E-05
4401	438156.1	3762368	0.000935793	1.53E-04	7.09E-05
4402	438159.9	3762377	0.000953938	1.56E-04	7.23E-05
4403	438163.6	3762386	0.000972551	1.59E-04	7.37E-05
4404	438167.4	3762395	0.000991819	1.62E-04	7.52E-05
4405	438171.1	3762404	0.001011648	1.65E-04	7.67E-05
4406	438174.8	3762413	0.001032131	1.69E-04	7.82E-05
4407	438178.6	3762422	0.001053363	1.72E-04	7.98E-05
4408	438182.3	3762431	0.001075343	1.76E-04	8.15E-05
4409	438186.1	3762440	0.001098072	1.79E-04	8.32E-05
4410	438189.8	3762449	0.001121455	1.83E-04	8.50E-05
4411	438193.6	3762458	0.001145586	1.87E-04	8.68E-05
4412	438197.3	3762467	0.001170372	1.91E-04	8.87E-05
4413	438201.1	3762476	0.001195907	1.95E-04	9.06E-05
4414	438204.8	3762485	0.001222096	2.00E-04	9.26E-05

4415	438208.6	3762494	0.00124894	2.04E-04	9.46E-05
4416	438223.5	3762530	0.001361927	2.22E-04	1.03E-04
4417	438227.3	3762539	0.001391483	2.27E-04	1.05E-04
4418	438231	3762548	0.001421227	2.32E-04	1.08E-04
4419	438234.8	3762557	0.001451438	2.37E-04	1.10E-04
4420	438238.5	3762566	0.001481836	2.42E-04	1.12E-04
4421	438242.3	3762575	0.001512514	2.47E-04	1.15E-04
4422	438246	3762584	0.001543193	2.52E-04	1.17E-04
4423	437476.3	3761810	0.000249451	4.08E-05	1.89E-05
4424	437485.3	3761813	0.000252725	4.13E-05	1.92E-05
4425	437494.4	3761817	0.000255905	4.18E-05	1.94E-05
4426	437503.4	3761821	0.000259179	4.23E-05	1.96E-05
4427	437512.5	3761824	0.000262546	4.29E-05	1.99E-05
4428	437521.5	3761828	0.000266007	4.35E-05	2.02E-05
4429	438090.8	3762114	0.000551842	9.02E-05	4.18E-05
4430	438094.5	3762123	0.000561195	9.17E-05	4.25E-05
4431	438098.3	3762133	0.000570922	9.33E-05	4.33E-05
4432	438109.5	3762160	0.000600759	9.81E-05	4.55E-05
4433	438113.3	3762169	0.000610954	9.98E-05	4.63E-05
4434	438117.1	3762178	0.000621243	1.01E-04	4.71E-05
4435	438120.8	3762187	0.000631719	1.03E-04	4.79E-05
4436	438124.6	3762196	0.000642475	1.05E-04	4.87E-05
4437	438128.3	3762205	0.000653325	1.07E-04	4.95E-05
4438	438132.1	3762214	0.000664361	1.09E-04	5.03E-05
4439	438135.8	3762223	0.000675492	1.10E-04	5.12E-05
4440	438139.6	3762232	0.000686716	1.12E-04	5.20E-05
4441	438143.3	3762241	0.000698127	1.14E-04	5.29E-05
4442	438147.1	3762250	0.000709631	1.16E-04	5.38E-05
4443	438150.8	3762259	0.000721323	1.18E-04	5.47E-05
4444	438154.6	3762268	0.000733201	1.20E-04	5.56E-05
4445	438158.3	3762277	0.000745454	1.22E-04	5.65E-05
4446	438162.1	3762286	0.000757894	1.24E-04	5.74E-05
4447	438165.8	3762295	0.000770708	1.26E-04	5.84E-05
4448	438169.6	3762304	0.000783709	1.28E-04	5.94E-05
4449	438173.3	3762313	0.000797178	1.30E-04	6.04E-05
4450	438177.1	3762322	0.000810927	1.32E-04	6.14E-05
4451	438180.8	3762331	0.00082505	1.35E-04	6.25E-05
4452	438184.6	3762340	0.000839641	1.37E-04	6.36E-05
4453	438188.4	3762349	0.0008547	1.40E-04	6.48E-05
4454	438192.1	3762358	0.000870227	1.42E-04	6.59E-05
4455	438195.9	3762367	0.000886221	1.45E-04	6.72E-05
4456	438199.6	3762376	0.000902682	1.47E-04	6.84E-05
4457	438203.4	3762386	0.000919705	1.50E-04	6.97E-05
4458	438207.1	3762395	0.000937289	1.53E-04	7.10E-05
4459	438210.9	3762404	0.000955341	1.56E-04	7.24E-05
4460	438214.6	3762413	0.000974048	1.59E-04	7.38E-05
4461	438218.4	3762422	0.000993409	1.62E-04	7.53E-05
4462	438222.1	3762431	0.001013331	1.66E-04	7.68E-05
4463	438225.9	3762440	0.001033908	1.69E-04	7.83E-05
4464	438229.6	3762449	0.001055047	1.72E-04	7.99E-05
4465	438233.4	3762458	0.001076933	1.76E-04	8.16E-05
4466	438237.1	3762467	0.001099288	1.80E-04	8.33E-05

4467	438240.9	3762476	0.001122297	1.83E-04	8.50E-05
4468	438244.6	3762485	0.00114568	1.87E-04	8.68E-05
4469	438248.4	3762494	0.00116953	1.91E-04	8.86E-05
4470	438300.9	3762620	0.001535243	2.51E-04	1.16E-04
4471	438304.7	3762629	0.001561619	2.55E-04	1.18E-04
4472	438308.4	3762639	0.00158734	2.59E-04	1.20E-04
4473	438312.2	3762648	0.001612688	2.63E-04	1.22E-04
4474	438315.9	3762657	0.001637848	2.68E-04	1.24E-04
4475	438319.7	3762666	0.00166226	2.72E-04	1.26E-04
4476	437476.2	3761770	0.000232896	3.80E-05	1.76E-05
4477	437485.3	3761773	0.000235889	3.85E-05	1.79E-05
4478	437494.3	3761777	0.000238789	3.90E-05	1.81E-05
4479	437503.4	3761781	0.000241782	3.95E-05	1.83E-05
4480	437512.5	3761784	0.000244775	4.00E-05	1.85E-05
4481	437521.5	3761788	0.000247861	4.05E-05	1.88E-05
4482	438126.6	3762104	0.000528739	8.64E-05	4.01E-05
4483	438137.9	3762131	0.000554648	9.06E-05	4.20E-05
4484	438141.6	3762141	0.000563533	9.21E-05	4.27E-05
4485	438145.4	3762150	0.000572513	9.35E-05	4.34E-05
4486	438149.1	3762159	0.000581492	9.50E-05	4.41E-05
4487	438152.9	3762168	0.000590658	9.65E-05	4.48E-05
4488	438156.7	3762177	0.000599824	9.80E-05	4.55E-05
4489	438160.4	3762186	0.000609364	9.95E-05	4.62E-05
4490	438164.2	3762195	0.000618998	1.01E-04	4.69E-05
4491	438167.9	3762204	0.000628726	1.03E-04	4.76E-05
4492	438171.7	3762213	0.000638546	1.04E-04	4.84E-05
4493	438175.5	3762222	0.000648554	1.06E-04	4.91E-05
4494	438179.2	3762231	0.000658656	1.08E-04	4.99E-05
4495	438183	3762240	0.000668945	1.09E-04	5.07E-05
4496	438186.7	3762249	0.000679514	1.11E-04	5.15E-05
4497	438190.5	3762258	0.000690176	1.13E-04	5.23E-05
4498	438194.3	3762267	0.00070112	1.15E-04	5.31E-05
4499	438198	3762276	0.000712157	1.16E-04	5.40E-05
4500	438201.8	3762285	0.000723474	1.18E-04	5.48E-05
4501	438205.5	3762294	0.000735072	1.20E-04	5.57E-05
4502	438209.3	3762303	0.000747044	1.22E-04	5.66E-05
4503	438213.1	3762313	0.000759297	1.24E-04	5.75E-05
4504	438216.8	3762322	0.00077183	1.26E-04	5.85E-05
4505	438220.6	3762331	0.000784738	1.28E-04	5.95E-05
4506	438224.3	3762340	0.000798113	1.30E-04	6.05E-05
4507	438228.1	3762349	0.000811862	1.33E-04	6.15E-05
4508	438231.9	3762358	0.000825892	1.35E-04	6.26E-05
4509	438235.6	3762367	0.000840483	1.37E-04	6.37E-05
4510	438239.4	3762376	0.000855542	1.40E-04	6.48E-05
4511	438243.1	3762385	0.000871162	1.42E-04	6.60E-05
4512	438246.9	3762394	0.000887249	1.45E-04	6.72E-05
4513	438250.7	3762403	0.000903898	1.48E-04	6.85E-05
4514	438254.4	3762412	0.000921108	1.50E-04	6.98E-05
4515	438258.2	3762421	0.000938786	1.53E-04	7.11E-05
4516	438261.9	3762430	0.000957025	1.56E-04	7.25E-05
4517	438265.7	3762439	0.000975638	1.59E-04	7.39E-05
4518	438269.5	3762448	0.000994812	1.63E-04	7.54E-05

4519	438273.2	3762457	0.001014454	1.66E-04	7.69E-05
4520	438277	3762466	0.00103447	1.69E-04	7.84E-05
4521	438280.7	3762475	0.001054953	1.72E-04	7.99E-05
4522	438284.5	3762485	0.001075904	1.76E-04	8.15E-05
4523	438288.3	3762494	0.00109723	1.79E-04	8.31E-05
4524	438303.3	3762530	0.001185992	1.94E-04	8.99E-05
4525	438307.1	3762539	0.001208908	1.97E-04	9.16E-05
4526	438310.8	3762548	0.001232104	2.01E-04	9.34E-05
4527	438314.6	3762557	0.001255487	2.05E-04	9.51E-05
4528	438318.3	3762566	0.00127887	2.09E-04	9.69E-05
4529	438322.1	3762575	0.00130216	2.13E-04	9.87E-05
4530	438325.9	3762584	0.001325543	2.17E-04	1.00E-04
4531	438329.6	3762593	0.001348832	2.20E-04	1.02E-04
4532	438340.9	3762620	0.001418888	2.32E-04	1.08E-04
4533	438344.7	3762629	0.001442084	2.36E-04	1.09E-04
4534	438348.4	3762638	0.001464719	2.39E-04	1.11E-04
4535	438128.5	3762013	0.000442877	7.24E-05	3.36E-05
4536	438132.3	3762022	0.000449611	7.35E-05	3.41E-05
4537	438136	3762031	0.000456439	7.46E-05	3.46E-05
4538	438166.2	3762103	0.000514709	8.41E-05	3.90E-05
4539	438169.9	3762112	0.000522473	8.54E-05	3.96E-05
4540	438173.7	3762121	0.000530329	8.66E-05	4.02E-05
4541	438177.5	3762131	0.000538186	8.79E-05	4.08E-05
4542	438181.2	3762140	0.000546043	8.92E-05	4.14E-05
4543	438185	3762149	0.000554087	9.05E-05	4.20E-05
4544	438188.8	3762158	0.000562224	9.18E-05	4.26E-05
4545	438192.5	3762167	0.000570455	9.32E-05	4.32E-05
4546	438196.3	3762176	0.000578779	9.46E-05	4.39E-05
4547	438200.1	3762185	0.000587291	9.59E-05	4.45E-05
4548	438203.8	3762194	0.000595896	9.73E-05	4.52E-05
4549	438207.6	3762203	0.000604688	9.88E-05	4.58E-05
4550	438211.4	3762212	0.000613667	1.00E-04	4.65E-05
4551	438215.1	3762221	0.000622646	1.02E-04	4.72E-05
4552	438218.9	3762230	0.000631906	1.03E-04	4.79E-05
4553	438222.7	3762239	0.000641259	1.05E-04	4.86E-05
4554	438226.4	3762248	0.000650799	1.06E-04	4.93E-05
4555	438230.2	3762258	0.000660433	1.08E-04	5.00E-05
4556	438234	3762267	0.000670348	1.10E-04	5.08E-05
4557	438237.7	3762276	0.000680449	1.11E-04	5.16E-05
4558	438241.5	3762285	0.000690831	1.13E-04	5.23E-05
4559	438245.3	3762294	0.000701587	1.15E-04	5.32E-05
4560	438249	3762303	0.000712437	1.16E-04	5.40E-05
4561	438252.8	3762312	0.000723661	1.18E-04	5.48E-05
4562	438256.6	3762321	0.000735259	1.20E-04	5.57E-05
4563	438260.3	3762330	0.000747044	1.22E-04	5.66E-05
4564	438264.1	3762339	0.000759297	1.24E-04	5.75E-05
4565	438267.9	3762348	0.000772017	1.26E-04	5.85E-05
4566	438271.6	3762357	0.000785018	1.28E-04	5.95E-05
4567	438275.4	3762366	0.000798394	1.30E-04	6.05E-05
4568	438279.2	3762375	0.000812423	1.33E-04	6.16E-05
4569	438282.9	3762384	0.000826827	1.35E-04	6.27E-05
4570	438286.7	3762394	0.000841699	1.38E-04	6.38E-05

4571	438290.5	3762403	0.000856945	1.40E-04	6.49E-05
4572	438294.2	3762412	0.000872658	1.43E-04	6.61E-05
4573	438298	3762421	0.00088884	1.45E-04	6.74E-05
4574	438301.8	3762430	0.000905301	1.48E-04	6.86E-05
4575	438313.1	3762457	0.000957492	1.56E-04	7.26E-05
4576	438316.8	3762466	0.000975638	1.59E-04	7.39E-05
4577	438320.6	3762475	0.000994251	1.62E-04	7.53E-05
4578	438324.4	3762484	0.001013051	1.65E-04	7.68E-05
4579	438328.1	3762493	0.001032131	1.69E-04	7.82E-05
4580	438331.9	3762502	0.001051493	1.72E-04	7.97E-05
4581	438343.2	3762530	0.001111166	1.82E-04	8.42E-05
4582	438347	3762539	0.001131463	1.85E-04	8.57E-05
4583	438350.7	3762548	0.001151759	1.88E-04	8.73E-05
4584	438388.4	3762638	0.001355847	2.21E-04	1.03E-04
4585	438392.2	3762647	0.001375396	2.25E-04	1.04E-04
4586	438395.9	3762657	0.00139457	2.28E-04	1.06E-04
4587	438399.7	3762666	0.001413089	2.31E-04	1.07E-04
4588	438156.7	3761984	0.000415565	6.79E-05	3.15E-05
4589	438160.5	3761993	0.000421645	6.89E-05	3.20E-05
4590	438164.3	3762003	0.000427724	6.99E-05	3.24E-05
4591	438175.6	3762030	0.000446337	7.29E-05	3.38E-05
4592	438179.4	3762039	0.000452697	7.40E-05	3.43E-05
4593	438205.8	3762102	0.000500025	8.17E-05	3.79E-05
4594	438209.6	3762112	0.000507133	8.28E-05	3.84E-05
4595	438213.3	3762121	0.000514242	8.40E-05	3.90E-05
4596	438217.1	3762130	0.00052135	8.52E-05	3.95E-05
4597	438220.9	3762139	0.000528552	8.63E-05	4.01E-05
4598	438224.7	3762148	0.000535848	8.75E-05	4.06E-05
4599	438228.4	3762157	0.000543237	8.87E-05	4.12E-05
4600	438232.2	3762166	0.000550719	9.00E-05	4.17E-05
4601	438236	3762175	0.000558296	9.12E-05	4.23E-05
4602	438239.7	3762184	0.000565965	9.25E-05	4.29E-05
4603	438243.5	3762193	0.000573822	9.37E-05	4.35E-05
4604	438247.3	3762202	0.000581772	9.50E-05	4.41E-05
4605	438251.1	3762211	0.000589816	9.64E-05	4.47E-05
4606	438254.8	3762221	0.000598141	9.77E-05	4.53E-05
4607	438258.6	3762230	0.000606558	9.91E-05	4.60E-05
4608	438262.4	3762239	0.000615163	1.00E-04	4.66E-05
4609	438266.1	3762248	0.000623862	1.02E-04	4.73E-05
4610	438269.9	3762257	0.000632747	1.03E-04	4.79E-05
4611	438273.7	3762266	0.00064182	1.05E-04	4.86E-05
4612	438277.5	3762275	0.00065108	1.06E-04	4.93E-05
4613	438281.2	3762284	0.000660527	1.08E-04	5.01E-05
4614	438285	3762293	0.000670348	1.10E-04	5.08E-05
4615	438288.8	3762302	0.000680449	1.11E-04	5.16E-05
4616	438292.6	3762311	0.000690738	1.13E-04	5.23E-05
4617	438296.3	3762320	0.0007014	1.15E-04	5.31E-05
4618	438300.1	3762330	0.00071225	1.16E-04	5.40E-05
4619	438303.9	3762339	0.000723661	1.18E-04	5.48E-05
4620	438307.6	3762348	0.000735446	1.20E-04	5.57E-05
4621	438311.4	3762357	0.000747512	1.22E-04	5.66E-05
4622	438326.5	3762393	0.000799703	1.31E-04	6.06E-05

4623	438330.3	3762402	0.000813733	1.33E-04	6.17E-05
4624	438334.1	3762411	0.000828137	1.35E-04	6.28E-05
4625	438337.8	3762420	0.000842915	1.38E-04	6.39E-05
4626	438341.6	3762429	0.000858067	1.40E-04	6.50E-05
4627	438352.9	3762457	0.000905395	1.48E-04	6.86E-05
4628	438390.6	3762547	0.001079833	1.76E-04	8.18E-05
4629	438394.4	3762557	0.001097885	1.79E-04	8.32E-05
4630	438398.2	3762566	0.001115936	1.82E-04	8.46E-05
4631	438402	3762575	0.001133988	1.85E-04	8.59E-05
4632	438405.7	3762584	0.00115204	1.88E-04	8.73E-05
4633	438409.5	3762593	0.001169905	1.91E-04	8.87E-05
4634	438413.3	3762602	0.001187769	1.94E-04	9.00E-05
4635	438417	3762611	0.001205728	1.97E-04	9.14E-05
4636	438420.8	3762620	0.001223499	2.00E-04	9.27E-05
4637	438424.6	3762629	0.001241176	2.03E-04	9.41E-05
4638	438428.4	3762638	0.001258387	2.06E-04	9.54E-05
4639	438432.1	3762647	0.001275503	2.08E-04	9.67E-05
4640	438435.9	3762656	0.001292152	2.11E-04	9.79E-05
4641	438439.7	3762666	0.001308707	2.14E-04	9.92E-05
4642	437384	3762675	0.02107746	3.44E-03	1.60E-03
4643	437384	3762691	0.02949726	4.82E-03	2.24E-03
4644	437376.9	3762668	0.01751799	2.86E-03	1.33E-03
4645	437374	3762683	0.02251786	3.68E-03	1.71E-03
4646	437366.9	3762668	0.01615812	2.64E-03	1.22E-03
4647	437379.8	3762651	0.01359748	2.22E-03	1.03E-03
4648	437364	3762683	0.02033939	3.32E-03	1.54E-03
4649	437356.9	3762668	0.01484688	2.43E-03	1.13E-03
4650	437362.7	3762654	0.01265392	2.07E-03	9.59E-04
4651	437372.7	3762644	0.01174853	1.92E-03	8.90E-04
4652	437354	3762683	0.01829487	2.99E-03	1.39E-03
4653	437354	3762699	0.02416328	3.95E-03	1.83E-03
4654	437346.9	3762668	0.01362105	2.23E-03	1.03E-03
4655	437352.7	3762654	0.01178304	1.92E-03	8.93E-04
4656	437365.6	3762637	0.0102565	1.68E-03	7.77E-04
4657	437379.7	3762631	0.01027043	1.68E-03	7.78E-04
4658	437344	3762683	0.01643357	2.68E-03	1.25E-03
4659	437344	3762699	0.02099581	3.43E-03	1.59E-03
4660	437336.9	3762668	0.01247602	2.04E-03	9.45E-04
4661	437342.7	3762654	0.01095602	1.79E-03	8.30E-04
4662	437348.6	3762640	0.009605321	1.57E-03	7.28E-04
4663	437358.5	3762630	0.009038421	1.48E-03	6.85E-04
4664	437372.6	3762624	0.009060588	1.48E-03	6.87E-04
4665	437334	3762683	0.01473483	2.41E-03	1.12E-03
4666	437326.9	3762668	0.01140975	1.86E-03	8.65E-04
4667	437332.7	3762654	0.01016792	1.66E-03	7.70E-04
4668	437338.6	3762640	0.009021211	1.47E-03	6.84E-04
4669	437351.4	3762623	0.008028457	1.31E-03	6.08E-04
4670	437365.5	3762617	0.008056235	1.32E-03	6.10E-04
4671	437379.6	3762611	0.008019384	1.31E-03	6.08E-04
4672	437324	3762683	0.0132211	2.16E-03	1.00E-03
4673	437316.9	3762668	0.01044019	1.71E-03	7.91E-04
4674	437322.7	3762654	0.009426206	1.54E-03	7.14E-04

4675	437328.6	3762640	0.008456929	1.38E-03	6.41E-04
4676	437334.4	3762625	0.007559578	1.23E-03	5.73E-04
4677	437344.4	3762615	0.007180117	1.17E-03	5.44E-04
4678	437358.4	3762610	0.007211357	1.18E-03	5.46E-04
4679	437372.5	3762604	0.007188067	1.17E-03	5.45E-04
4680	437314	3762683	0.01189855	1.94E-03	9.02E-04
4681	437306.9	3762668	0.009561735	1.56E-03	7.25E-04
4682	437312.7	3762654	0.008736405	1.43E-03	6.62E-04
4683	437318.6	3762640	0.007919584	1.29E-03	6.00E-04
4684	437324.4	3762625	0.007143172	1.17E-03	5.41E-04
4685	437337.3	3762608	0.006459543	1.06E-03	4.89E-04
4686	437351.4	3762603	0.006493869	1.06E-03	4.92E-04
4687	437365.5	3762597	0.006479559	1.06E-03	4.91E-04
4688	437379.5	3762591	0.006422691	1.05E-03	4.87E-04
4689	437304	3762683	0.01075203	1.76E-03	8.15E-04
4690	437296.9	3762668	0.008765494	1.43E-03	6.64E-04
4691	437302.7	3762654	0.008090469	1.32E-03	6.13E-04
4692	437308.6	3762640	0.007409552	1.21E-03	5.61E-04
4693	437314.4	3762625	0.006741636	1.10E-03	5.11E-04
4694	437320.2	3762611	0.006107111	9.98E-04	4.63E-04
4695	437330.2	3762601	0.005842321	9.54E-04	4.43E-04
4696	437344.3	3762595	0.005877116	9.60E-04	4.45E-04
4697	437358.4	3762590	0.005869727	9.59E-04	4.45E-04
4698	437372.5	3762584	0.005826234	9.52E-04	4.41E-04
4699	437294	3762683	0.009753944	1.59E-03	7.39E-04
4700	437276.9	3762668	0.007409833	1.21E-03	5.61E-04
4701	437282.7	3762654	0.006942264	1.13E-03	5.26E-04
4702	437288.6	3762640	0.006465903	1.06E-03	4.90E-04
4703	437294.4	3762625	0.005981591	9.77E-04	4.53E-04
4704	437300.2	3762611	0.005500647	8.99E-04	4.17E-04
4705	437306.1	3762597	0.005039812	8.23E-04	3.82E-04
4706	437316	3762587	0.004849848	7.92E-04	3.68E-04
4707	437330.1	3762581	0.004881462	7.97E-04	3.70E-04
4708	437344.2	3762575	0.00488193	7.98E-04	3.70E-04
4709	437358.3	3762570	0.004855179	7.93E-04	3.68E-04
4710	437372.4	3762564	0.004804017	7.85E-04	3.64E-04
4711	437274	3762683	0.008110485	1.32E-03	6.15E-04
4712	437256.9	3762668	0.006328971	1.03E-03	4.80E-04
4713	437262.7	3762654	0.005998614	9.80E-04	4.55E-04
4714	437268.6	3762640	0.005653854	9.24E-04	4.28E-04
4715	437274.4	3762625	0.005296559	8.65E-04	4.01E-04
4716	437280.2	3762611	0.004935617	8.06E-04	3.74E-04
4717	437301.8	3762573	0.004090083	6.68E-04	3.10E-04
4718	437315.9	3762567	0.004121417	6.73E-04	3.12E-04
4719	437330	3762561	0.004125064	6.74E-04	3.13E-04
4720	437344.1	3762555	0.004108042	6.71E-04	3.11E-04
4721	437358.2	3762550	0.004071283	6.65E-04	3.09E-04
4722	437372.3	3762544	0.00401825	6.56E-04	3.04E-04
4723	437254	3762683	0.006832737	1.12E-03	5.18E-04
4724	437236.9	3762668	0.005484933	8.96E-04	4.16E-04
4725	437242.7	3762654	0.005230338	8.54E-04	3.96E-04
4726	437248.6	3762640	0.004965641	8.11E-04	3.76E-04

4727	437254.4	3762625	0.004698419	7.68E-04	3.56E-04
4728	437260.2	3762611	0.00442493	7.23E-04	3.35E-04
4729	437287.7	3762559	0.003492597	5.71E-04	2.65E-04
4730	437301.8	3762553	0.003522247	5.75E-04	2.67E-04
4731	437315.9	3762547	0.003530852	5.77E-04	2.68E-04
4732	437330	3762541	0.00352047	5.75E-04	2.67E-04
4733	437344	3762535	0.003494001	5.71E-04	2.65E-04
4734	437358.1	3762530	0.003452753	5.64E-04	2.62E-04
4735	437372.2	3762524	0.003400936	5.56E-04	2.58E-04
4736	437234	3762683	0.005868604	9.59E-04	4.45E-04
4737	437216.9	3762668	0.0047869	7.82E-04	3.63E-04
4738	437222.7	3762654	0.004602174	7.52E-04	3.49E-04
4739	437228.6	3762640	0.004400985	7.19E-04	3.33E-04
4740	437234.4	3762625	0.004191098	6.85E-04	3.18E-04
4741	437240.2	3762611	0.003975973	6.50E-04	3.01E-04
4742	437287.6	3762539	0.003044764	4.97E-04	2.31E-04
4743	437301.7	3762533	0.00305393	4.99E-04	2.31E-04
4744	437315.8	3762527	0.003048225	4.98E-04	2.31E-04
4745	437329.9	3762521	0.003029424	4.95E-04	2.30E-04
4746	437344	3762515	0.002998933	4.90E-04	2.27E-04
4747	437358.1	3762510	0.002957311	4.83E-04	2.24E-04
4748	437372.2	3762504	0.002910077	4.75E-04	2.21E-04
4749	437214	3762683	0.005070491	8.28E-04	3.84E-04
4750	437196.9	3762668	0.004193998	6.85E-04	3.18E-04
4751	437202.7	3762654	0.004059311	6.63E-04	3.08E-04
4752	437208.6	3762640	0.003907601	6.38E-04	2.96E-04
4753	437214.4	3762625	0.003747287	6.12E-04	2.84E-04
4754	437220.2	3762611	0.003582389	5.85E-04	2.71E-04
4755	437259.3	3762531	0.002636401	4.31E-04	2.00E-04
4756	437273.4	3762525	0.002659129	4.34E-04	2.01E-04
4757	437287.5	3762519	0.00266867	4.36E-04	2.02E-04
4758	437301.6	3762513	0.002664835	4.35E-04	2.02E-04
4759	437315.7	3762507	0.002650898	4.33E-04	2.01E-04
4760	437329.8	3762501	0.002628451	4.29E-04	1.99E-04
4761	437343.9	3762495	0.002597398	4.24E-04	1.97E-04
4762	437358	3762490	0.002558769	4.18E-04	1.94E-04
4763	437372.1	3762484	0.002516211	4.11E-04	1.91E-04
4764	437194	3762683	0.004408374	7.20E-04	3.34E-04
4765	437200.2	3762611	0.003227527	5.27E-04	2.45E-04
4766	437229.4	3762541	0.002522666	4.12E-04	1.91E-04
4767	437235.2	3762527	0.002380403	3.89E-04	1.80E-04
4768	437245.2	3762517	0.002322973	3.79E-04	1.76E-04
4769	437259.3	3762511	0.002342335	3.83E-04	1.77E-04
4770	437273.4	3762505	0.002352249	3.84E-04	1.78E-04
4771	437287.4	3762499	0.002351407	3.84E-04	1.78E-04
4772	437301.5	3762493	0.002340651	3.82E-04	1.77E-04
4773	437315.6	3762487	0.002322599	3.79E-04	1.76E-04
4774	437329.7	3762481	0.002298	3.75E-04	1.74E-04
4775	437343.8	3762475	0.002267228	3.70E-04	1.72E-04
4776	437357.9	3762470	0.002231405	3.65E-04	1.69E-04
4777	437372	3762464	0.002193244	3.58E-04	1.66E-04
4778	437209.4	3762541	0.002346637	3.83E-04	1.78E-04

4779	437215.2	3762527	0.00222757	3.64E-04	1.69E-04
4780	437221	3762513	0.002109813	3.45E-04	1.60E-04
4781	437231	3762503	0.002062673	3.37E-04	1.56E-04
4782	437245.1	3762497	0.002078947	3.40E-04	1.58E-04
4783	437259.2	3762491	0.0020883	3.41E-04	1.58E-04
4784	437273.3	3762485	0.002089516	3.41E-04	1.58E-04
4785	437287.4	3762479	0.002082408	3.40E-04	1.58E-04
4786	437301.5	3762473	0.00206763	3.38E-04	1.57E-04
4787	437315.6	3762467	0.00204724	3.34E-04	1.55E-04
4788	437329.6	3762461	0.002021892	3.30E-04	1.53E-04
4789	437343.7	3762455	0.001992523	3.26E-04	1.51E-04
4790	437357.8	3762450	0.001959974	3.20E-04	1.49E-04
4791	437371.9	3762444	0.001926489	3.15E-04	1.46E-04
4792	437137	3762668	0.002926258	4.78E-04	2.22E-04
4793	437143.1	3762653	0.002862937	4.68E-04	2.17E-04
4794	437191.6	3762535	0.002141146	3.50E-04	1.62E-04
4795	437197.7	3762521	0.002037886	3.33E-04	1.54E-04
4796	437203.7	3762506	0.001935001	3.16E-04	1.47E-04
4797	437217.1	3762488	0.001842684	3.01E-04	1.40E-04
4798	437231.8	3762482	0.00185793	3.04E-04	1.41E-04
4799	437246.4	3762476	0.001866254	3.05E-04	1.41E-04
4800	437261.1	3762470	0.001867564	3.05E-04	1.42E-04
4801	437275.7	3762464	0.001862232	3.04E-04	1.41E-04
4802	437290.4	3762458	0.001849418	3.02E-04	1.40E-04
4803	437305	3762452	0.001830805	2.99E-04	1.39E-04
4804	437319.7	3762445	0.001807609	2.95E-04	1.37E-04
4805	437334.4	3762439	0.00178114	2.91E-04	1.35E-04
4806	437349	3762433	0.001752145	2.86E-04	1.33E-04
4807	437363.7	3762427	0.001721653	2.81E-04	1.30E-04
4808	437378.3	3762421	0.001690974	2.76E-04	1.28E-04
4809	437134	3762683	0.00303354	4.96E-04	2.30E-04
4810	437134	3762699	0.003189739	5.21E-04	2.42E-04
4811	437117	3762668	0.002627048	4.29E-04	1.99E-04
4812	437123.1	3762653	0.002577662	4.21E-04	1.95E-04
4813	437129.1	3762638	0.002517895	4.11E-04	1.91E-04
4814	437135.1	3762624	0.002453077	4.01E-04	1.86E-04
4815	437141.2	3762609	0.002385734	3.90E-04	1.81E-04
4816	437147.2	3762594	0.002314368	3.78E-04	1.75E-04
4817	437189.6	3762492	0.001733532	2.83E-04	1.31E-04
4818	437202.9	3762474	0.001656648	2.71E-04	1.26E-04
4819	437217.5	3762468	0.001669742	2.73E-04	1.27E-04
4820	437232.2	3762462	0.001677319	2.74E-04	1.27E-04
4821	437246.8	3762456	0.001678535	2.74E-04	1.27E-04
4822	437261.4	3762450	0.001675261	2.74E-04	1.27E-04
4823	437276	3762444	0.001666843	2.72E-04	1.26E-04
4824	437290.6	3762438	0.001652065	2.70E-04	1.25E-04
4825	437305.2	3762431	0.001632797	2.67E-04	1.24E-04
4826	437319.8	3762425	0.001610443	2.63E-04	1.22E-04
4827	437334.5	3762419	0.00158575	2.59E-04	1.20E-04
4828	437349.1	3762413	0.001559374	2.55E-04	1.18E-04
4829	437363.7	3762407	0.001532437	2.50E-04	1.16E-04
4830	437378.3	3762401	0.001505686	2.46E-04	1.14E-04

4831	437114	3762683	0.002713472	4.43E-04	2.06E-04
4832	437114	3762699	0.002841237	4.64E-04	2.15E-04
4833	437097	3762668	0.002370488	3.87E-04	1.80E-04
4834	437103	3762653	0.00233242	3.81E-04	1.77E-04
4835	437109.1	3762638	0.002285654	3.73E-04	1.73E-04
4836	437115.1	3762624	0.002232808	3.65E-04	1.69E-04
4837	437121.1	3762609	0.002176502	3.56E-04	1.65E-04
4838	437127.2	3762595	0.002116921	3.46E-04	1.60E-04
4839	437133.2	3762580	0.002056219	3.36E-04	1.56E-04
4840	437139.2	3762565	0.001991868	3.25E-04	1.51E-04
4841	437145.3	3762551	0.001924338	3.14E-04	1.46E-04
4842	437188.7	3762460	0.001498204	2.45E-04	1.14E-04
4843	437203.3	3762454	0.001509895	2.47E-04	1.14E-04
4844	437217.9	3762448	0.001517097	2.48E-04	1.15E-04
4845	437232.5	3762442	0.001519529	2.48E-04	1.15E-04
4846	437247	3762436	0.001516349	2.48E-04	1.15E-04
4847	437261.6	3762430	0.001509521	2.47E-04	1.14E-04
4848	437276.2	3762424	0.00149811	2.45E-04	1.14E-04
4849	437290.8	3762417	0.001482303	2.42E-04	1.12E-04
4850	437305.4	3762411	0.00146341	2.39E-04	1.11E-04
4851	437319.9	3762405	0.001442178	2.36E-04	1.09E-04
4852	437334.5	3762399	0.001419169	2.32E-04	1.08E-04
4853	437349.1	3762393	0.001395505	2.28E-04	1.06E-04
4854	437363.7	3762387	0.001371935	2.24E-04	1.04E-04
4855	437378.3	3762381	0.001348739	2.20E-04	1.02E-04
4856	437094	3762683	0.002440544	3.99E-04	1.85E-04
4857	437094	3762699	0.002546142	4.16E-04	1.93E-04
4858	437067	3762668	0.002048081	3.35E-04	1.55E-04
4859	437073	3762653	0.002021518	3.30E-04	1.53E-04
4860	437079	3762638	0.001988034	3.25E-04	1.51E-04
4861	437085	3762624	0.001950059	3.19E-04	1.48E-04
4862	437091	3762609	0.001908905	3.12E-04	1.45E-04
4863	437097.1	3762595	0.001863729	3.04E-04	1.41E-04
4864	437103.1	3762580	0.001814624	2.96E-04	1.38E-04
4865	437109.1	3762566	0.001765052	2.88E-04	1.34E-04
4866	437115.1	3762551	0.001714638	2.80E-04	1.30E-04
4867	437121.1	3762537	0.001662073	2.72E-04	1.26E-04
4868	437127.1	3762522	0.001607637	2.63E-04	1.22E-04
4869	437133.1	3762507	0.001551611	2.53E-04	1.18E-04
4870	437139.1	3762493	0.001494369	2.44E-04	1.13E-04
4871	437182	3762433	0.001312542	2.14E-04	9.95E-05
4872	437196.5	3762427	0.001318902	2.15E-04	9.99E-05
4873	437211.1	3762421	0.001321614	2.16E-04	1.00E-04
4874	437225.6	3762415	0.001319463	2.16E-04	1.00E-04
4875	437240.1	3762409	0.00131329	2.15E-04	9.95E-05
4876	437254.7	3762403	0.001304311	2.13E-04	9.88E-05
4877	437269.2	3762396	0.001292619	2.11E-04	9.79E-05
4878	437283.7	3762390	0.001278122	2.09E-04	9.69E-05
4879	437298.3	3762384	0.001261379	2.06E-04	9.56E-05
4880	437312.8	3762378	0.001242954	2.03E-04	9.42E-05
4881	437327.3	3762372	0.001223218	2.00E-04	9.27E-05
4882	437341.9	3762366	0.001203202	1.97E-04	9.12E-05

4883	437356.4	3762360	0.001183467	1.93E-04	8.97E-05
4884	437370.9	3762354	0.001164199	1.90E-04	8.82E-05
4885	437064	3762683	0.002100179	3.43E-04	1.59E-04
4886	437064	3762699	0.002180336	3.56E-04	1.65E-04
4887	437037	3762668	0.001787219	2.92E-04	1.35E-04
4888	437043	3762653	0.001767952	2.89E-04	1.34E-04
4889	437049	3762639	0.001743633	2.85E-04	1.32E-04
4890	437055	3762624	0.001715012	2.80E-04	1.30E-04
4891	437061	3762610	0.001683118	2.75E-04	1.28E-04
4892	437067	3762595	0.001647482	2.69E-04	1.25E-04
4893	437073	3762580	0.00160773	2.63E-04	1.22E-04
4894	437079	3762566	0.001567605	2.56E-04	1.19E-04
4895	437085	3762551	0.001529163	2.50E-04	1.16E-04
4896	437091	3762537	0.001489786	2.43E-04	1.13E-04
4897	437097	3762522	0.001448725	2.37E-04	1.10E-04
4898	437103	3762508	0.001405794	2.30E-04	1.07E-04
4899	437109	3762493	0.001362208	2.23E-04	1.03E-04
4900	437126.9	3762450	0.001228924	2.01E-04	9.31E-05
4901	437132.9	3762435	0.00118356	1.93E-04	8.97E-05
4902	437146.2	3762418	0.001142593	1.87E-04	8.66E-05
4903	437189.7	3762400	0.001157745	1.89E-04	8.77E-05
4904	437204.2	3762394	0.00115681	1.89E-04	8.77E-05
4905	437218.7	3762387	0.001153069	1.88E-04	8.74E-05
4906	437233.2	3762381	0.001146428	1.87E-04	8.69E-05
4907	437247.7	3762375	0.001137168	1.86E-04	8.62E-05
4908	437262.1	3762369	0.001125851	1.84E-04	8.53E-05
4909	437276.6	3762363	0.001112663	1.82E-04	8.43E-05
4910	437291.1	3762357	0.001097698	1.79E-04	8.32E-05
4911	437305.6	3762351	0.00108161	1.77E-04	8.20E-05
4912	437320.1	3762345	0.001064868	1.74E-04	8.07E-05
4913	437334.6	3762339	0.001047751	1.71E-04	7.94E-05
4914	437349.1	3762333	0.001031102	1.68E-04	7.81E-05
4915	437363.6	3762327	0.001015015	1.66E-04	7.69E-05
4916	437378.1	3762321	0.000999582	1.63E-04	7.57E-05
4917	437034	3762683	0.001827625	2.99E-04	1.38E-04
4918	437034	3762699	0.00188945	3.09E-04	1.43E-04
4919	437007	3762668	0.001573685	2.57E-04	1.19E-04
4920	437013	3762653	0.001559655	2.55E-04	1.18E-04
4921	437018.9	3762639	0.001540948	2.52E-04	1.17E-04
4922	437024.9	3762624	0.001519062	2.48E-04	1.15E-04
4923	437030.9	3762610	0.001494649	2.44E-04	1.13E-04
4924	437036.9	3762595	0.00146659	2.40E-04	1.11E-04
4925	437042.9	3762581	0.001432357	2.34E-04	1.09E-04
4926	437048.9	3762566	0.001398218	2.28E-04	1.06E-04
4927	437054.9	3762552	0.001368006	2.23E-04	1.04E-04
4928	437060.8	3762537	0.001336486	2.18E-04	1.01E-04
4929	437066.8	3762523	0.001305807	2.13E-04	9.89E-05
4930	437072.8	3762508	0.001274006	2.08E-04	9.65E-05
4931	437078.8	3762494	0.001239399	2.02E-04	9.39E-05
4932	437096.7	3762450	0.001133333	1.85E-04	8.59E-05
4933	437102.7	3762436	0.001098539	1.79E-04	8.32E-05
4934	437108.7	3762421	0.001061968	1.73E-04	8.05E-05

4935	437114.7	3762407	0.001023713	1.67E-04	7.76E-05
4936	437124.9	3762397	0.001008935	1.65E-04	7.65E-05
4937	437139.4	3762391	0.00101595	1.66E-04	7.70E-05
4938	437182.8	3762372	0.001023246	1.67E-04	7.75E-05
4939	437197.2	3762366	0.001020814	1.67E-04	7.74E-05
4940	437211.7	3762360	0.001013892	1.66E-04	7.68E-05
4941	437226.2	3762354	0.001007439	1.65E-04	7.63E-05
4942	437240.6	3762348	0.000999114	1.63E-04	7.57E-05
4943	437255.1	3762342	0.000988826	1.62E-04	7.49E-05
4944	437269.5	3762336	0.00097676	1.60E-04	7.40E-05
4945	437284	3762330	0.000963666	1.57E-04	7.30E-05
4946	437298.5	3762324	0.000949729	1.55E-04	7.20E-05
4947	437312.9	3762318	0.000935325	1.53E-04	7.09E-05
4948	437327.4	3762312	0.000920828	1.50E-04	6.98E-05
4949	437341.9	3762306	0.000906611	1.48E-04	6.87E-05
4950	437356.3	3762300	0.000893142	1.46E-04	6.77E-05
4951	437370.8	3762294	0.000880328	1.44E-04	6.67E-05
4952	437004	3762683	0.001604457	2.62E-04	1.22E-04
4953	437004	3762699	0.001652907	2.70E-04	1.25E-04
4954	436977	3762668	0.001396908	2.28E-04	1.06E-04
4955	436982.9	3762653	0.001386713	2.27E-04	1.05E-04
4956	436988.9	3762639	0.001372683	2.24E-04	1.04E-04
4957	436994.9	3762624	0.001355286	2.21E-04	1.03E-04
4958	437000.9	3762610	0.001335457	2.18E-04	1.01E-04
4959	437006.8	3762595	0.001313103	2.15E-04	9.95E-05
4960	437012.8	3762581	0.001287849	2.10E-04	9.76E-05
4961	437018.8	3762566	0.001260538	2.06E-04	9.55E-05
4962	437024.8	3762552	0.001233507	2.02E-04	9.35E-05
4963	437030.7	3762537	0.001206944	1.97E-04	9.15E-05
4964	437036.7	3762523	0.001180848	1.93E-04	8.95E-05
4965	437042.7	3762509	0.001154659	1.89E-04	8.75E-05
4966	437048.6	3762494	0.001127909	1.84E-04	8.55E-05
4967	437066.6	3762451	0.001042888	1.70E-04	7.90E-05
4968	437072.5	3762436	0.001015389	1.66E-04	7.69E-05
4969	437078.5	3762422	0.000986955	1.61E-04	7.48E-05
4970	437084.5	3762407	0.000956651	1.56E-04	7.25E-05
4971	437090.5	3762393	0.000925504	1.51E-04	7.01E-05
4972	437103.6	3762375	0.000898193	1.47E-04	6.81E-05
4973	437118.1	3762369	0.000904834	1.48E-04	6.86E-05
4974	437132.5	3762363	0.000906704	1.48E-04	6.87E-05
4975	437147	3762357	0.000908949	1.48E-04	6.89E-05
4976	437190.3	3762339	0.000904459	1.48E-04	6.85E-05
4977	437204.7	3762333	0.000899502	1.47E-04	6.82E-05
4978	437219.1	3762327	0.000892955	1.46E-04	6.77E-05
4979	437233.6	3762321	0.000884724	1.45E-04	6.70E-05
4980	437248	3762315	0.000874997	1.43E-04	6.63E-05
4981	437262.4	3762309	0.000864334	1.41E-04	6.55E-05
4982	437276.9	3762303	0.000852829	1.39E-04	6.46E-05
4983	437291.3	3762297	0.00084067	1.37E-04	6.37E-05
4984	437305.8	3762291	0.000828324	1.35E-04	6.28E-05
4985	437320.2	3762285	0.000815978	1.33E-04	6.18E-05
4986	437334.6	3762279	0.000804006	1.31E-04	6.09E-05

4987	437349.1	3762273	0.000792501	1.29E-04	6.01E-05
4988	437363.5	3762267	0.000781651	1.28E-04	5.92E-05
4989	437377.9	3762261	0.000771363	1.26E-04	5.85E-05
4990	436974	3762683	0.001421227	2.32E-04	1.08E-04
4991	436974	3762699	0.001459481	2.38E-04	1.11E-04
4992	436947	3762668	0.001248659	2.04E-04	9.46E-05
4993	436952.9	3762653	0.001241551	2.03E-04	9.41E-05
4994	436958.9	3762639	0.001231075	2.01E-04	9.33E-05
4995	436964.9	3762624	0.001217793	1.99E-04	9.23E-05
4996	436970.8	3762610	0.00120208	1.96E-04	9.11E-05
4997	436976.8	3762595	0.001184309	1.93E-04	8.97E-05
4998	436982.7	3762581	0.001164573	1.90E-04	8.82E-05
4999	436988.7	3762567	0.001143341	1.87E-04	8.66E-05
5000	436994.7	3762552	0.001120613	1.83E-04	8.49E-05
5001	437000.6	3762538	0.00109723	1.79E-04	8.31E-05
5002	437006.6	3762523	0.001075063	1.76E-04	8.15E-05
5003	437012.6	3762509	0.001052708	1.72E-04	7.98E-05
5004	437018.5	3762494	0.001029887	1.68E-04	7.80E-05
5005	437036.4	3762451	0.000959644	1.57E-04	7.27E-05
5006	437042.4	3762437	0.000937944	1.53E-04	7.11E-05
5007	437048.3	3762422	0.000915777	1.50E-04	6.94E-05
5008	437054.3	3762408	0.000891739	1.46E-04	6.76E-05
5009	437060.3	3762393	0.000866672	1.42E-04	6.57E-05
5010	437066.2	3762379	0.000840764	1.37E-04	6.37E-05
5011	437072.2	3762364	0.000813639	1.33E-04	6.17E-05
5012	437082.4	3762354	0.000802883	1.31E-04	6.08E-05
5013	437096.8	3762348	0.000807279	1.32E-04	6.12E-05
5014	437111.2	3762342	0.000809711	1.32E-04	6.14E-05
5015	437125.6	3762336	0.000809805	1.32E-04	6.14E-05
5016	437140	3762330	0.00081074	1.32E-04	6.14E-05
5017	437183.3	3762312	0.000808308	1.32E-04	6.13E-05
5018	437197.7	3762306	0.000803538	1.31E-04	6.09E-05
5019	437212.1	3762300	0.000797084	1.30E-04	6.04E-05
5020	437226.5	3762294	0.000789134	1.29E-04	5.98E-05
5021	437240.9	3762288	0.000780061	1.27E-04	5.91E-05
5022	437255.3	3762282	0.00077024	1.26E-04	5.84E-05
5023	437269.7	3762276	0.000759952	1.24E-04	5.76E-05
5024	437284.2	3762270	0.000749383	1.22E-04	5.68E-05
5025	437298.6	3762264	0.000738907	1.21E-04	5.60E-05
5026	437313	3762258	0.000728525	1.19E-04	5.52E-05
5027	437327.4	3762252	0.000718236	1.17E-04	5.44E-05
5028	437341.8	3762246	0.000708509	1.16E-04	5.37E-05
5029	437356.2	3762240	0.000699249	1.14E-04	5.30E-05
5030	437370.6	3762234	0.000690551	1.13E-04	5.23E-05
5031	436944	3762683	0.001267366	2.07E-04	9.60E-05
5032	436944	3762699	0.001297764	2.12E-04	9.83E-05
5033	436917	3762668	0.001122484	1.83E-04	8.51E-05
5034	436922.9	3762653	0.00111762	1.83E-04	8.47E-05
5035	436928.9	3762639	0.001109763	1.81E-04	8.41E-05
5036	436934.8	3762624	0.001099475	1.80E-04	8.33E-05
5037	436940.8	3762610	0.001087222	1.78E-04	8.24E-05
5038	436946.7	3762596	0.001073099	1.75E-04	8.13E-05

5039	436952.7	3762581	0.001057104	1.73E-04	8.01E-05
5040	436958.6	3762567	0.001039895	1.70E-04	7.88E-05
5041	436964.6	3762552	0.001021936	1.67E-04	7.74E-05
5042	436970.6	3762538	0.001003136	1.64E-04	7.60E-05
5043	436976.5	3762523	0.00098471	1.61E-04	7.46E-05
5044	436982.5	3762509	0.000966097	1.58E-04	7.32E-05
5045	436988.4	3762495	0.000945801	1.55E-04	7.17E-05
5046	437006.3	3762451	0.000888091	1.45E-04	6.73E-05
5047	437012.2	3762437	0.000870133	1.42E-04	6.59E-05
5048	437018.2	3762423	0.000851427	1.39E-04	6.45E-05
5049	437024.1	3762408	0.000831785	1.36E-04	6.30E-05
5050	437030.1	3762394	0.000811208	1.33E-04	6.15E-05
5051	437036.1	3762379	0.000789602	1.29E-04	5.98E-05
5052	437042	3762365	0.000766873	1.25E-04	5.81E-05
5053	437048	3762351	0.000744145	1.22E-04	5.64E-05
5054	437061.1	3762333	0.000722819	1.18E-04	5.48E-05
5055	437075.5	3762327	0.000726561	1.19E-04	5.51E-05
5056	437089.9	3762321	0.000729647	1.19E-04	5.53E-05
5057	437104.3	3762315	0.000731237	1.19E-04	5.54E-05
5058	437118.7	3762309	0.000731892	1.20E-04	5.55E-05
5059	437133.1	3762303	0.000732079	1.20E-04	5.55E-05
5060	437147.5	3762297	0.000732079	1.20E-04	5.55E-05
5061	437190.6	3762279	0.000722165	1.18E-04	5.47E-05
5062	437205	3762273	0.000715711	1.17E-04	5.42E-05
5063	437219.4	3762267	0.000708228	1.16E-04	5.37E-05
5064	437233.8	3762261	0.000699904	1.14E-04	5.30E-05
5065	437248.2	3762255	0.000690925	1.13E-04	5.24E-05
5066	437262.6	3762249	0.000681852	1.11E-04	5.17E-05
5067	437277	3762243	0.000672686	1.10E-04	5.10E-05
5068	437291.4	3762237	0.000663707	1.08E-04	5.03E-05
5069	437305.8	3762231	0.000654915	1.07E-04	4.96E-05
5070	437320.2	3762225	0.000646216	1.06E-04	4.90E-05
5071	437334.6	3762219	0.000637798	1.04E-04	4.83E-05
5072	437349	3762213	0.000629848	1.03E-04	4.77E-05
5073	437363.4	3762207	0.000622365	1.02E-04	4.72E-05
5074	437377.7	3762201	0.00061535	1.01E-04	4.66E-05
5075	436914	3762683	0.001137262	1.86E-04	8.62E-05
5076	436914	3762699	0.001161674	1.90E-04	8.80E-05
5077	436887	3762667	0.001013238	1.66E-04	7.68E-05
5078	436893.1	3762653	0.001009683	1.65E-04	7.65E-05
5079	436899.2	3762638	0.001003791	1.64E-04	7.61E-05
5080	436905.2	3762623	0.000995747	1.63E-04	7.55E-05
5081	436911.3	3762609	0.000985926	1.61E-04	7.47E-05
5082	436917.4	3762594	0.000974515	1.59E-04	7.38E-05
5083	436923.4	3762579	0.000961701	1.57E-04	7.29E-05
5084	436929.5	3762565	0.000947484	1.55E-04	7.18E-05
5085	436935.6	3762550	0.000932332	1.52E-04	7.06E-05
5086	436941.6	3762535	0.000916525	1.50E-04	6.95E-05
5087	436947.7	3762521	0.000900157	1.47E-04	6.82E-05
5088	436953.8	3762506	0.000883602	1.44E-04	6.70E-05
5089	436959.8	3762491	0.000866485	1.42E-04	6.57E-05
5090	436978.1	3762447	0.000817848	1.34E-04	6.20E-05

5091	436984.1	3762432	0.000802509	1.31E-04	6.08E-05
5092	436990.2	3762418	0.000786421	1.28E-04	5.96E-05
5093	436996.3	3762403	0.000769586	1.26E-04	5.83E-05
5094	437002.3	3762388	0.000752095	1.23E-04	5.70E-05
5095	437008.4	3762374	0.000733669	1.20E-04	5.56E-05
5096	437014.5	3762359	0.000714401	1.17E-04	5.41E-05
5097	437020.5	3762344	0.000694572	1.13E-04	5.26E-05
5098	437026.6	3762330	0.000674463	1.10E-04	5.11E-05
5099	437040	3762312	0.000656785	1.07E-04	4.98E-05
5100	437054.7	3762306	0.00066062	1.08E-04	5.01E-05
5101	437069.3	3762300	0.000663613	1.08E-04	5.03E-05
5102	437084	3762293	0.000665671	1.09E-04	5.04E-05
5103	437098.7	3762287	0.00066698	1.09E-04	5.05E-05
5104	437113.3	3762281	0.000667542	1.09E-04	5.06E-05
5105	437128	3762275	0.000666606	1.09E-04	5.05E-05
5106	437142.7	3762269	0.000664736	1.09E-04	5.04E-05
5107	437157.3	3762263	0.000661462	1.08E-04	5.01E-05
5108	437172	3762257	0.000657253	1.07E-04	4.98E-05
5109	437186.7	3762251	0.000651735	1.06E-04	4.94E-05
5110	437201.3	3762244	0.000645094	1.05E-04	4.89E-05
5111	437216	3762238	0.000637705	1.04E-04	4.83E-05
5112	437230.7	3762232	0.000629848	1.03E-04	4.77E-05
5113	437245.3	3762226	0.000621711	1.02E-04	4.71E-05
5114	437260	3762220	0.000613667	1.00E-04	4.65E-05
5115	437274.7	3762214	0.000605436	9.89E-05	4.59E-05
5116	437289.4	3762208	0.000597579	9.76E-05	4.53E-05
5117	437304	3762202	0.000589816	9.64E-05	4.47E-05
5118	437318.7	3762195	0.000582146	9.51E-05	4.41E-05
5119	437333.4	3762189	0.000574851	9.39E-05	4.36E-05
5120	437348	3762183	0.000567929	9.28E-05	4.30E-05
5121	437362.7	3762177	0.000561569	9.17E-05	4.26E-05
5122	437377.4	3762171	0.000555583	9.08E-05	4.21E-05
5123	436884	3762683	0.001025023	1.67E-04	7.77E-05
5124	436884	3762699	0.001045039	1.71E-04	7.92E-05
5125	436857	3762668	0.000919892	1.50E-04	6.97E-05
5126	436863.1	3762653	0.00091746	1.50E-04	6.95E-05
5127	436869.1	3762638	0.000912784	1.49E-04	6.92E-05
5128	436875.2	3762624	0.000905956	1.48E-04	6.86E-05
5129	436881.2	3762609	0.000897819	1.47E-04	6.80E-05
5130	436887.3	3762594	0.00088884	1.45E-04	6.74E-05
5131	436893.3	3762580	0.000879206	1.44E-04	6.66E-05
5132	436899.4	3762565	0.000867982	1.42E-04	6.58E-05
5133	436905.5	3762550	0.000855542	1.40E-04	6.48E-05
5134	436911.5	3762536	0.000842634	1.38E-04	6.39E-05
5135	436917.6	3762521	0.000829166	1.35E-04	6.28E-05
5136	436923.6	3762506	0.000815136	1.33E-04	6.18E-05
5137	436929.7	3762492	0.000800825	1.31E-04	6.07E-05
5138	436947.8	3762448	0.000758268	1.24E-04	5.75E-05
5139	436953.9	3762433	0.000746015	1.22E-04	5.65E-05
5140	436959.9	3762418	0.000732734	1.20E-04	5.55E-05
5141	436966	3762404	0.000718517	1.17E-04	5.44E-05
5142	436972.1	3762389	0.000704019	1.15E-04	5.33E-05

5143	436978.1	3762374	0.000688773	1.13E-04	5.22E-05
5144	436984.2	3762360	0.000673247	1.10E-04	5.10E-05
5145	436990.2	3762345	0.000656972	1.07E-04	4.98E-05
5146	436996.3	3762330	0.00064023	1.05E-04	4.85E-05
5147	437002.3	3762316	0.000623394	1.02E-04	4.72E-05
5148	437008.4	3762301	0.000606465	9.91E-05	4.60E-05
5149	437018.7	3762291	0.000600385	9.81E-05	4.55E-05
5150	437033.4	3762285	0.00060422	9.87E-05	4.58E-05
5151	437048	3762278	0.000607307	9.92E-05	4.60E-05
5152	437062.6	3762272	0.000609551	9.96E-05	4.62E-05
5153	437077.3	3762266	0.000610861	9.98E-05	4.63E-05
5154	437091.9	3762260	0.000611235	9.99E-05	4.63E-05
5155	437106.5	3762254	0.000610487	9.97E-05	4.63E-05
5156	437121.2	3762248	0.000608803	9.95E-05	4.61E-05
5157	437135.8	3762242	0.000606278	9.90E-05	4.59E-05
5158	437150.4	3762236	0.00060263	9.84E-05	4.57E-05
5159	437165.1	3762230	0.000597953	9.77E-05	4.53E-05
5160	437179.7	3762223	0.000592435	9.68E-05	4.49E-05
5161	437194.3	3762217	0.000586262	9.58E-05	4.44E-05
5162	437209	3762211	0.000579434	9.47E-05	4.39E-05
5163	437223.6	3762205	0.000572513	9.35E-05	4.34E-05
5164	437238.2	3762199	0.000565311	9.24E-05	4.28E-05
5165	437252.9	3762193	0.000558015	9.12E-05	4.23E-05
5166	437267.5	3762187	0.000550907	9.00E-05	4.17E-05
5167	437282.2	3762181	0.000543985	8.89E-05	4.12E-05
5168	437296.8	3762175	0.000536877	8.77E-05	4.07E-05
5169	437311.4	3762168	0.000530142	8.66E-05	4.02E-05
5170	437326.1	3762162	0.000523689	8.56E-05	3.97E-05
5171	437340.7	3762156	0.000517702	8.46E-05	3.92E-05
5172	437355.3	3762150	0.000512091	8.37E-05	3.88E-05
5173	437370	3762144	0.00050704	8.28E-05	3.84E-05
5174	436854	3762683	0.000928871	1.52E-04	7.04E-05
5175	436854	3762699	0.000944959	1.54E-04	7.16E-05
5176	436827	3762668	0.000840483	1.37E-04	6.37E-05
5177	436833	3762653	0.000839361	1.37E-04	6.36E-05
5178	436839.1	3762638	0.0008359	1.37E-04	6.33E-05
5179	436845.1	3762624	0.000830101	1.36E-04	6.29E-05
5180	436851.2	3762609	0.000822431	1.34E-04	6.23E-05
5181	436857.2	3762594	0.000814014	1.33E-04	6.17E-05
5182	436863.3	3762580	0.000806063	1.32E-04	6.11E-05
5183	436869.3	3762565	0.000797178	1.30E-04	6.04E-05
5184	436875.3	3762551	0.000787263	1.29E-04	5.97E-05
5185	436881.4	3762536	0.000776507	1.27E-04	5.88E-05
5186	436887.4	3762521	0.000765096	1.25E-04	5.80E-05
5187	436893.5	3762507	0.000753498	1.23E-04	5.71E-05
5188	436899.5	3762492	0.000741619	1.21E-04	5.62E-05
5189	436917.6	3762448	0.000704955	1.15E-04	5.34E-05
5190	436923.7	3762433	0.000693544	1.13E-04	5.26E-05
5191	436929.7	3762419	0.00068232	1.11E-04	5.17E-05
5192	436935.8	3762404	0.000670628	1.10E-04	5.08E-05
5193	436941.8	3762390	0.000658562	1.08E-04	4.99E-05
5194	436947.9	3762375	0.000646029	1.06E-04	4.90E-05

5195	436953.9	3762360	0.000633122	1.03E-04	4.80E-05
5196	436959.9	3762346	0.000619559	1.01E-04	4.69E-05
5197	436966	3762331	0.00060581	9.90E-05	4.59E-05
5198	436972	3762316	0.000591687	9.67E-05	4.48E-05
5199	436978.1	3762302	0.000577376	9.43E-05	4.38E-05
5200	436984.1	3762287	0.000563066	9.20E-05	4.27E-05
5201	436997.5	3762270	0.000550907	9.00E-05	4.17E-05
5202	437012.1	3762263	0.000554835	9.06E-05	4.20E-05
5203	437026.7	3762257	0.000557641	9.11E-05	4.23E-05
5204	437041.3	3762251	0.000559699	9.14E-05	4.24E-05
5205	437055.9	3762245	0.000560821	9.16E-05	4.25E-05
5206	437070.5	3762239	0.000561102	9.17E-05	4.25E-05
5207	437085.1	3762233	0.000560727	9.16E-05	4.25E-05
5208	437099.7	3762227	0.000559418	9.14E-05	4.24E-05
5209	437114.3	3762221	0.000557267	9.10E-05	4.22E-05
5210	437128.9	3762215	0.000554367	9.06E-05	4.20E-05
5211	437143.5	3762209	0.000550626	9.00E-05	4.17E-05
5212	437158.1	3762202	0.000546136	8.92E-05	4.14E-05
5213	437172.7	3762196	0.000540992	8.84E-05	4.10E-05
5214	437187.3	3762190	0.00053538	8.75E-05	4.06E-05
5215	437201.9	3762184	0.000529394	8.65E-05	4.01E-05
5216	437216.5	3762178	0.000523127	8.55E-05	3.96E-05
5217	437231.1	3762172	0.00051658	8.44E-05	3.91E-05
5218	437245.7	3762166	0.000510033	8.33E-05	3.86E-05
5219	437260.4	3762160	0.000503673	8.23E-05	3.82E-05
5220	437275	3762154	0.000497406	8.13E-05	3.77E-05
5221	437289.6	3762148	0.000491233	8.03E-05	3.72E-05
5222	437304.2	3762141	0.000485247	7.93E-05	3.68E-05
5223	437318.8	3762135	0.000479635	7.84E-05	3.63E-05
5224	437333.4	3762129	0.000474491	7.75E-05	3.60E-05
5225	437348	3762123	0.000469627	7.67E-05	3.56E-05
5226	437362.6	3762117	0.000465137	7.60E-05	3.52E-05
5227	437377.2	3762111	0.000460928	7.53E-05	3.49E-05
5228	436824	3762683	0.000847311	1.38E-04	6.42E-05
5229	436824	3762699	0.000860406	1.41E-04	6.52E-05
5230	436797	3762668	0.000770895	1.26E-04	5.84E-05
5231	436803	3762653	0.000770614	1.26E-04	5.84E-05
5232	436809.1	3762638	0.000768557	1.26E-04	5.82E-05
5233	436815.1	3762624	0.000764535	1.25E-04	5.79E-05
5234	436821.1	3762609	0.000758455	1.24E-04	5.75E-05
5235	436827.2	3762595	0.000750973	1.23E-04	5.69E-05
5236	436833.2	3762580	0.000743116	1.21E-04	5.63E-05
5237	436839.2	3762565	0.000734885	1.20E-04	5.57E-05
5238	436845.3	3762551	0.000726467	1.19E-04	5.50E-05
5239	436851.3	3762536	0.000717488	1.17E-04	5.44E-05
5240	436857.3	3762522	0.000708041	1.16E-04	5.37E-05
5241	436863.4	3762507	0.00069822	1.14E-04	5.29E-05
5242	436869.4	3762492	0.000687932	1.12E-04	5.21E-05
5243	436875.4	3762478	0.000677737	1.11E-04	5.14E-05
5244	436893.5	3762434	0.000646216	1.06E-04	4.90E-05
5245	436899.5	3762419	0.000635928	1.04E-04	4.82E-05
5246	436905.6	3762405	0.000625639	1.02E-04	4.74E-05

5247	436911.6	3762390	0.000615538	1.01E-04	4.66E-05
5248	436917.6	3762376	0.000605342	9.89E-05	4.59E-05
5249	436923.7	3762361	0.000593838	9.70E-05	4.50E-05
5250	436929.7	3762346	0.000582895	9.52E-05	4.42E-05
5251	436935.7	3762332	0.000571484	9.34E-05	4.33E-05
5252	436941.8	3762317	0.000559512	9.14E-05	4.24E-05
5253	436947.8	3762303	0.000547165	8.94E-05	4.15E-05
5254	436953.8	3762288	0.000535287	8.74E-05	4.06E-05
5255	436959.9	3762273	0.000523314	8.55E-05	3.97E-05
5256	436965.9	3762259	0.000511062	8.35E-05	3.87E-05
5257	436976.2	3762248	0.00050704	8.28E-05	3.84E-05
5258	436990.8	3762242	0.000510594	8.34E-05	3.87E-05
5259	437005.4	3762236	0.0005134	8.39E-05	3.89E-05
5260	437019.9	3762230	0.000515458	8.42E-05	3.91E-05
5261	437034.5	3762224	0.000516767	8.44E-05	3.92E-05
5262	437049.1	3762218	0.000517235	8.45E-05	3.92E-05
5263	437063.7	3762212	0.000516861	8.44E-05	3.92E-05
5264	437078.2	3762206	0.000515832	8.43E-05	3.91E-05
5265	437092.8	3762200	0.000514148	8.40E-05	3.90E-05
5266	437107.4	3762194	0.000511716	8.36E-05	3.88E-05
5267	437122	3762187	0.000508723	8.31E-05	3.85E-05
5268	437136.6	3762181	0.000504982	8.25E-05	3.83E-05
5269	437151.1	3762175	0.000500773	8.18E-05	3.79E-05
5270	437165.7	3762169	0.000496003	8.10E-05	3.76E-05
5271	437180.3	3762163	0.000491046	8.02E-05	3.72E-05
5272	437194.9	3762157	0.000485621	7.93E-05	3.68E-05
5273	437209.5	3762151	0.000480009	7.84E-05	3.64E-05
5274	437224	3762145	0.00047421	7.75E-05	3.59E-05
5275	437238.6	3762139	0.000468411	7.65E-05	3.55E-05
5276	437253.2	3762133	0.000462612	7.56E-05	3.51E-05
5277	437267.8	3762127	0.000457	7.47E-05	3.46E-05
5278	437282.3	3762121	0.000451575	7.38E-05	3.42E-05
5279	437296.9	3762114	0.000446337	7.29E-05	3.38E-05
5280	437311.5	3762108	0.000441474	7.21E-05	3.35E-05
5281	437326.1	3762102	0.00043689	7.14E-05	3.31E-05
5282	437340.7	3762096	0.000432588	7.07E-05	3.28E-05
5283	437355.2	3762090	0.000428566	7.00E-05	3.25E-05
5284	436794	3762683	0.000776507	1.27E-04	5.88E-05
5285	436794	3762699	0.000787357	1.29E-04	5.97E-05
5286	436757	3762668	0.000691112	1.13E-04	5.24E-05
5287	436763	3762653	0.000691392	1.13E-04	5.24E-05
5288	436769	3762638	0.000690176	1.13E-04	5.23E-05
5289	436775.1	3762624	0.000687558	1.12E-04	5.21E-05
5290	436781.1	3762609	0.000683629	1.12E-04	5.18E-05
5291	436787.1	3762595	0.000678485	1.11E-04	5.14E-05
5292	436793.1	3762580	0.000672031	1.10E-04	5.09E-05
5293	436799.1	3762566	0.000664736	1.09E-04	5.04E-05
5294	436805.1	3762551	0.000657066	1.07E-04	4.98E-05
5295	436811.2	3762536	0.000649303	1.06E-04	4.92E-05
5296	436817.2	3762522	0.000641446	1.05E-04	4.86E-05
5297	436823.2	3762507	0.000633309	1.03E-04	4.80E-05
5298	436829.2	3762493	0.000624704	1.02E-04	4.73E-05

5299	436835.2	3762478	0.000616099	1.01E-04	4.67E-05
5300	436841.3	3762464	0.0006074	9.92E-05	4.60E-05
5301	436859.3	3762420	0.000580743	9.49E-05	4.40E-05
5302	436865.3	3762405	0.000571484	9.34E-05	4.33E-05
5303	436871.4	3762391	0.000562224	9.18E-05	4.26E-05
5304	436877.4	3762376	0.000553993	9.05E-05	4.20E-05
5305	436883.4	3762362	0.000542956	8.87E-05	4.11E-05
5306	436889.4	3762347	0.000534164	8.73E-05	4.05E-05
5307	436895.4	3762332	0.000525653	8.59E-05	3.98E-05
5308	436901.4	3762318	0.000517141	8.45E-05	3.92E-05
5309	436907.5	3762303	0.000508069	8.30E-05	3.85E-05
5310	436913.5	3762289	0.000498809	8.15E-05	3.78E-05
5311	436919.5	3762274	0.000489269	7.99E-05	3.71E-05
5312	436925.5	3762260	0.000479728	7.84E-05	3.64E-05
5313	436931.5	3762245	0.000470001	7.68E-05	3.56E-05
5314	436937.6	3762230	0.000459619	7.51E-05	3.48E-05
5315	436947.8	3762220	0.000455878	7.45E-05	3.45E-05
5316	436962.4	3762214	0.000458871	7.50E-05	3.48E-05
5317	436976.9	3762208	0.000461302	7.54E-05	3.50E-05
5318	436991.5	3762202	0.00046336	7.57E-05	3.51E-05
5319	437006	3762196	0.00046495	7.60E-05	3.52E-05
5320	437020.6	3762190	0.000465792	7.61E-05	3.53E-05
5321	437035.1	3762184	0.000465885	7.61E-05	3.53E-05
5322	437049.7	3762178	0.000465324	7.60E-05	3.53E-05
5323	437064.2	3762172	0.000463921	7.58E-05	3.52E-05
5324	437078.8	3762165	0.000462144	7.55E-05	3.50E-05
5325	437093.3	3762159	0.000459993	7.51E-05	3.49E-05
5326	437107.9	3762153	0.000457374	7.47E-05	3.47E-05
5327	437122.4	3762147	0.000454007	7.42E-05	3.44E-05
5328	437137	3762141	0.000450359	7.36E-05	3.41E-05
5329	437151.5	3762135	0.000446244	7.29E-05	3.38E-05
5330	437166	3762129	0.000441848	7.22E-05	3.35E-05
5331	437180.6	3762123	0.000437358	7.14E-05	3.31E-05
5332	437195.1	3762117	0.000432494	7.07E-05	3.28E-05
5333	437209.7	3762111	0.000427537	6.98E-05	3.24E-05
5334	437224.2	3762105	0.000422486	6.90E-05	3.20E-05
5335	437238.8	3762099	0.000417342	6.82E-05	3.16E-05
5336	437253.3	3762093	0.000412385	6.74E-05	3.12E-05
5337	436754	3762683	0.000695321	1.14E-04	5.27E-05
5338	436754	3762699	0.000703832	1.15E-04	5.33E-05
5339	436717	3762668	0.000623862	1.02E-04	4.73E-05
5340	436723	3762653	0.00062461	1.02E-04	4.73E-05
5341	436729	3762638	0.000624049	1.02E-04	4.73E-05
5342	436735	3762624	0.000622178	1.02E-04	4.71E-05
5343	436741	3762609	0.000618905	1.01E-04	4.69E-05
5344	436747	3762595	0.000614883	1.00E-04	4.66E-05
5345	436753	3762580	0.000610113	9.97E-05	4.62E-05
5346	436759	3762566	0.000604594	9.88E-05	4.58E-05
5347	436765	3762551	0.000598421	9.78E-05	4.53E-05
5348	436771.1	3762537	0.00059178	9.67E-05	4.48E-05
5349	436777.1	3762522	0.000584578	9.55E-05	4.43E-05
5350	436783.1	3762508	0.000577376	9.43E-05	4.38E-05

5351	436789.1	3762493	0.0005698	9.31E-05	4.32E-05
5352	436795.1	3762479	0.00056213	9.18E-05	4.26E-05
5353	436801.1	3762464	0.000554928	9.07E-05	4.21E-05
5354	436807.1	3762449	0.00054782	8.95E-05	4.15E-05
5355	436831.1	3762391	0.000517702	8.46E-05	3.92E-05
5356	436837.1	3762377	0.000510407	8.34E-05	3.87E-05
5357	436843.1	3762362	0.000501708	8.20E-05	3.80E-05
5358	436849.2	3762348	0.000493945	8.07E-05	3.74E-05
5359	436855.2	3762333	0.000486089	7.94E-05	3.68E-05
5360	436861.2	3762319	0.000478793	7.82E-05	3.63E-05
5361	436867.2	3762304	0.000471778	7.71E-05	3.57E-05
5362	436873.2	3762289	0.000464763	7.59E-05	3.52E-05
5363	436879.2	3762275	0.000457374	7.47E-05	3.47E-05
5364	436885.2	3762260	0.000449611	7.35E-05	3.41E-05
5365	436891.2	3762246	0.000441754	7.22E-05	3.35E-05
5366	436897.2	3762231	0.000433243	7.08E-05	3.28E-05
5367	436903.2	3762217	0.000424264	6.93E-05	3.21E-05
5368	436909.2	3762202	0.000415191	6.78E-05	3.15E-05
5369	436919.5	3762192	0.000412104	6.73E-05	3.12E-05
5370	436934	3762186	0.000414723	6.78E-05	3.14E-05
5371	436948.5	3762180	0.000416874	6.81E-05	3.16E-05
5372	436963	3762174	0.000418932	6.84E-05	3.17E-05
5373	436977.6	3762168	0.000420242	6.87E-05	3.18E-05
5374	436992.1	3762162	0.000421177	6.88E-05	3.19E-05
5375	437006.6	3762156	0.000421645	6.89E-05	3.20E-05
5376	437021.1	3762149	0.000421364	6.88E-05	3.19E-05
5377	437122.8	3762107	0.000408082	6.67E-05	3.09E-05
5378	437137.3	3762101	0.000404622	6.61E-05	3.07E-05
5379	437151.8	3762095	0.000400787	6.55E-05	3.04E-05
5380	437166.3	3762089	0.000396671	6.48E-05	3.01E-05
5381	436714	3762683	0.000626761	1.02E-04	4.75E-05
5382	436714	3762699	0.000633402	1.03E-04	4.80E-05
5383	436677	3762668	0.000566246	9.25E-05	4.29E-05
5384	436683	3762653	0.000567462	9.27E-05	4.30E-05
5385	436689	3762639	0.000567462	9.27E-05	4.30E-05
5386	436695	3762624	0.000566433	9.25E-05	4.29E-05
5387	436701	3762610	0.000564188	9.22E-05	4.28E-05
5388	436707	3762595	0.000561008	9.16E-05	4.25E-05
5389	436713	3762580	0.000556893	9.10E-05	4.22E-05
5390	436719	3762566	0.000552216	9.02E-05	4.18E-05
5391	436725	3762551	0.000547072	8.94E-05	4.15E-05
5392	436731	3762537	0.00054146	8.85E-05	4.10E-05
5393	436737	3762522	0.000535474	8.75E-05	4.06E-05
5394	436743	3762508	0.000529301	8.65E-05	4.01E-05
5395	436749	3762493	0.00052294	8.54E-05	3.96E-05
5396	436754.9	3762479	0.000516393	8.44E-05	3.91E-05
5397	436760.9	3762464	0.000509939	8.33E-05	3.86E-05
5398	436766.9	3762450	0.000503673	8.23E-05	3.82E-05
5399	436772.9	3762435	0.000497499	8.13E-05	3.77E-05
5400	436778.9	3762421	0.00049142	8.03E-05	3.72E-05
5401	436802.9	3762363	0.000467382	7.64E-05	3.54E-05
5402	436808.9	3762348	0.000460648	7.53E-05	3.49E-05

5403	436814.9	3762334	0.000453726	7.41E-05	3.44E-05
5404	436820.9	3762319	0.000447273	7.31E-05	3.39E-05
5405	436826.9	3762305	0.000441006	7.20E-05	3.34E-05
5406	436832.9	3762290	0.000434739	7.10E-05	3.29E-05
5407	436838.9	3762276	0.000428472	7.00E-05	3.25E-05
5408	436844.9	3762261	0.000421925	6.89E-05	3.20E-05
5409	436850.9	3762247	0.000415284	6.78E-05	3.15E-05
5410	436856.9	3762232	0.000408176	6.67E-05	3.09E-05
5411	436862.9	3762218	0.0004006	6.54E-05	3.04E-05
5412	436868.9	3762203	0.000392837	6.42E-05	2.98E-05
5413	436874.9	3762188	0.000384886	6.29E-05	2.92E-05
5414	436880.9	3762174	0.00037731	6.16E-05	2.86E-05
5415	436891.1	3762164	0.000375159	6.13E-05	2.84E-05
5416	436905.6	3762158	0.000378058	6.18E-05	2.86E-05
5417	436920.1	3762152	0.000380864	6.22E-05	2.89E-05
5418	436934.6	3762146	0.000382455	6.25E-05	2.90E-05
5419	436949.1	3762139	0.000383483	6.26E-05	2.91E-05
5420	436963.6	3762133	0.000383857	6.27E-05	2.91E-05
5421	436978.1	3762127	0.00038367	6.27E-05	2.91E-05
5422	436992.6	3762121	0.00038367	6.27E-05	2.91E-05
5423	437007.1	3762115	0.000383483	6.26E-05	2.91E-05
5424	437021.6	3762109	0.000383109	6.26E-05	2.90E-05
5425	437340.5	3761976	0.000319133	5.21E-05	2.42E-05
5426	437355	3761970	0.000317262	5.18E-05	2.40E-05
5427	437369.5	3761964	0.000315672	5.16E-05	2.39E-05
5428	436674	3762683	0.000568304	9.28E-05	4.31E-05
5429	436674	3762699	0.000573448	9.37E-05	4.35E-05
5430	436637	3762667	0.000516767	8.44E-05	3.92E-05
5431	436643.1	3762653	0.00051817	8.47E-05	3.93E-05
5432	436649.2	3762638	0.000518544	8.47E-05	3.93E-05
5433	436655.2	3762623	0.00051789	8.46E-05	3.92E-05
5434	436661.3	3762609	0.000516299	8.43E-05	3.91E-05
5435	436667.4	3762594	0.000513868	8.39E-05	3.89E-05
5436	436673.4	3762579	0.000510501	8.34E-05	3.87E-05
5437	436679.5	3762565	0.000506572	8.28E-05	3.84E-05
5438	436685.6	3762550	0.000502176	8.20E-05	3.81E-05
5439	436691.7	3762535	0.000497406	8.13E-05	3.77E-05
5440	436697.7	3762521	0.000492168	8.04E-05	3.73E-05
5441	436703.8	3762506	0.000486743	7.95E-05	3.69E-05
5442	436709.9	3762491	0.000481131	7.86E-05	3.65E-05
5443	436728.1	3762447	0.000463734	7.58E-05	3.51E-05
5444	436734.1	3762432	0.000458029	7.48E-05	3.47E-05
5445	436740.2	3762418	0.000452604	7.39E-05	3.43E-05
5446	436746.3	3762403	0.000447553	7.31E-05	3.39E-05
5447	436752.4	3762388	0.000442409	7.23E-05	3.35E-05
5448	436758.4	3762374	0.000437265	7.14E-05	3.31E-05
5449	436782.7	3762315	0.000416033	6.80E-05	3.15E-05
5450	436788.8	3762300	0.000410701	6.71E-05	3.11E-05
5451	436794.8	3762285	0.000405463	6.62E-05	3.07E-05
5452	436800.9	3762271	0.000400132	6.54E-05	3.03E-05
5453	436807	3762256	0.000394333	6.44E-05	2.99E-05
5454	436813.1	3762241	0.000388534	6.35E-05	2.94E-05

5455	436819.1	3762227	0.000382267	6.24E-05	2.90E-05
5456	436825.2	3762212	0.000375907	6.14E-05	2.85E-05
5457	436831.3	3762197	0.000369173	6.03E-05	2.80E-05
5458	436837.3	3762183	0.000362345	5.92E-05	2.75E-05
5459	436843.4	3762168	0.000355891	5.81E-05	2.70E-05
5460	436849.5	3762153	0.000349531	5.71E-05	2.65E-05
5461	436862.9	3762135	0.000344667	5.63E-05	2.61E-05
5462	436877.6	3762129	0.000347099	5.67E-05	2.63E-05
5463	436892.2	3762123	0.00034925	5.71E-05	2.65E-05
5464	436906.9	3762117	0.00035084	5.73E-05	2.66E-05
5465	436921.6	3762111	0.000352056	5.75E-05	2.67E-05
5466	436936.2	3762105	0.000352618	5.76E-05	2.67E-05
5467	436950.9	3762099	0.000352711	5.76E-05	2.67E-05
5468	436965.6	3762093	0.000352431	5.76E-05	2.67E-05
5469	437244.4	3761976	0.000308003	5.03E-05	2.33E-05
5470	437259	3761970	0.000304916	4.98E-05	2.31E-05
5471	437273.7	3761964	0.00030211	4.94E-05	2.29E-05
5472	437288.4	3761958	0.000299585	4.89E-05	2.27E-05
5473	437303	3761952	0.00029734	4.86E-05	2.25E-05
5474	437317.7	3761945	0.000295282	4.82E-05	2.24E-05
5475	437332.4	3761939	0.000293599	4.80E-05	2.22E-05
5476	437347.1	3761933	0.000292009	4.77E-05	2.21E-05
5477	437361.7	3761927	0.000290606	4.75E-05	2.20E-05
5478	436634	3762683	0.000518077	8.46E-05	3.93E-05
5479	436634	3762699	0.000522099	8.53E-05	3.96E-05
5480	436597	3762668	0.000473555	7.74E-05	3.59E-05
5481	436603.1	3762653	0.000475052	7.76E-05	3.60E-05
5482	436609.1	3762638	0.000475706	7.77E-05	3.60E-05
5483	436615.2	3762624	0.000475426	7.77E-05	3.60E-05
5484	436621.2	3762609	0.00047421	7.75E-05	3.59E-05
5485	436627.3	3762594	0.000472433	7.72E-05	3.58E-05
5486	436633.4	3762580	0.000470001	7.68E-05	3.56E-05
5487	436639.4	3762565	0.000466914	7.63E-05	3.54E-05
5488	436645.5	3762550	0.000463454	7.57E-05	3.51E-05
5489	436651.5	3762536	0.000459525	7.51E-05	3.48E-05
5490	436657.6	3762521	0.000455036	7.43E-05	3.45E-05
5491	436663.7	3762506	0.000450359	7.36E-05	3.41E-05
5492	436669.7	3762492	0.000445495	7.28E-05	3.38E-05
5493	436687.9	3762448	0.000429782	7.02E-05	3.26E-05
5494	436693.9	3762433	0.000424638	6.94E-05	3.22E-05
5495	436700	3762418	0.00041968	6.86E-05	3.18E-05
5496	436706.1	3762404	0.000415191	6.78E-05	3.15E-05
5497	436712.1	3762389	0.000410701	6.71E-05	3.11E-05
5498	436736.3	3762330	0.000392556	6.41E-05	2.97E-05
5499	436742.4	3762316	0.000388066	6.34E-05	2.94E-05
5500	436748.5	3762301	0.000383764	6.27E-05	2.91E-05
5501	436790.9	3762198	0.000350373	5.72E-05	2.65E-05
5502	436796.9	3762184	0.000345042	5.64E-05	2.61E-05
5503	436803	3762169	0.000339336	5.54E-05	2.57E-05
5504	436809	3762154	0.000333443	5.45E-05	2.53E-05
5505	436815.1	3762140	0.000327925	5.36E-05	2.48E-05
5506	436821.2	3762125	0.0003225	5.27E-05	2.44E-05

5507	436834.5	3762107	0.000318104	5.20E-05	2.41E-05
5508	436849.2	3762101	0.000320068	5.23E-05	2.43E-05
5509	437142	3761979	0.000301549	4.93E-05	2.29E-05
5510	437156.6	3761973	0.000298836	4.88E-05	2.26E-05
5511	437171.3	3761967	0.000295937	4.83E-05	2.24E-05
5512	437185.9	3761960	0.000293037	4.79E-05	2.22E-05
5513	437200.6	3761954	0.000290325	4.74E-05	2.20E-05
5514	437215.2	3761948	0.000287613	4.70E-05	2.18E-05
5515	437229.9	3761942	0.000284807	4.65E-05	2.16E-05
5516	437244.5	3761936	0.000282188	4.61E-05	2.14E-05
5517	437259.1	3761930	0.000279756	4.57E-05	2.12E-05
5518	437273.8	3761924	0.000277605	4.54E-05	2.10E-05
5519	437288.4	3761918	0.00027564	4.50E-05	2.09E-05
5520	437303.1	3761912	0.00027377	4.47E-05	2.07E-05
5521	437317.7	3761905	0.000272273	4.45E-05	2.06E-05
5522	437332.3	3761899	0.00027087	4.43E-05	2.05E-05
5523	437347	3761893	0.000269654	4.41E-05	2.04E-05
5524	436594	3762683	0.000474397	7.75E-05	3.59E-05
5525	436594	3762699	0.000477577	7.80E-05	3.62E-05
5526	436575.1	3762624	0.000438574	7.16E-05	3.32E-05
5527	436581.2	3762609	0.000437826	7.15E-05	3.32E-05
5528	436587.2	3762594	0.000436423	7.13E-05	3.31E-05
5529	436593.3	3762580	0.000434365	7.10E-05	3.29E-05
5530	436599.3	3762565	0.00043184	7.05E-05	3.27E-05
5531	436605.4	3762550	0.000428847	7.01E-05	3.25E-05
5532	436611.4	3762536	0.000425479	6.95E-05	3.22E-05
5533	436617.5	3762521	0.000421925	6.89E-05	3.20E-05
5534	436623.5	3762507	0.00041809	6.83E-05	3.17E-05
5535	436629.6	3762492	0.000413975	6.76E-05	3.14E-05
5536	436647.7	3762448	0.000400413	6.54E-05	3.03E-05
5537	436653.8	3762433	0.000395736	6.46E-05	3.00E-05
5538	436659.8	3762419	0.000391153	6.39E-05	2.96E-05
5539	436665.8	3762404	0.000387131	6.32E-05	2.93E-05
5540	436671.9	3762389	0.000383203	6.26E-05	2.90E-05
5541	436690	3762345	0.000371511	6.07E-05	2.82E-05
5542	436696.1	3762331	0.000367489	6.00E-05	2.78E-05
5543	436702.1	3762316	0.000363374	5.94E-05	2.75E-05
5544	436708.2	3762302	0.000359165	5.87E-05	2.72E-05
5545	436714.2	3762287	0.000355143	5.80E-05	2.69E-05
5546	436720.3	3762272	0.000351215	5.74E-05	2.66E-05
5547	436726.3	3762258	0.000347099	5.67E-05	2.63E-05
5548	436732.4	3762243	0.000342797	5.60E-05	2.60E-05
5549	436738.4	3762228	0.000338962	5.54E-05	2.57E-05
5550	436744.5	3762214	0.000335127	5.47E-05	2.54E-05
5551	437054.6	3761975	0.000291167	4.76E-05	2.21E-05
5552	437069.2	3761969	0.00028939	4.73E-05	2.19E-05
5553	437083.9	3761963	0.000287145	4.69E-05	2.18E-05
5554	437098.5	3761957	0.00028462	4.65E-05	2.16E-05
5555	437113.1	3761951	0.000282001	4.61E-05	2.14E-05
5556	437127.7	3761945	0.000279288	4.56E-05	2.12E-05
5557	437142.3	3761939	0.000276763	4.52E-05	2.10E-05
5558	437156.9	3761932	0.000274237	4.48E-05	2.08E-05

5559	437171.5	3761926	0.000271712	4.44E-05	2.06E-05
5560	437186.2	3761920	0.000269187	4.40E-05	2.04E-05
5561	437200.8	3761914	0.000266661	4.36E-05	2.02E-05
5562	437215.4	3761908	0.000264323	4.32E-05	2.00E-05
5563	437230	3761902	0.000262078	4.28E-05	1.99E-05
5564	437244.6	3761896	0.000259927	4.25E-05	1.97E-05
5565	437259.2	3761890	0.000258056	4.22E-05	1.96E-05
5566	436517	3762668	0.000403219	6.59E-05	3.06E-05
5567	436523	3762653	0.000404996	6.62E-05	3.07E-05
5568	436529.1	3762638	0.000406025	6.63E-05	3.08E-05
5569	436535.1	3762624	0.000406399	6.64E-05	3.08E-05
5570	436541.1	3762609	0.000406025	6.63E-05	3.08E-05
5571	436547.2	3762594	0.000405183	6.62E-05	3.07E-05
5572	436577.4	3762521	0.000393024	6.42E-05	2.98E-05
5573	436583.4	3762507	0.000389657	6.37E-05	2.95E-05
5574	436589.4	3762492	0.000386009	6.31E-05	2.93E-05
5575	436595.5	3762478	0.000382267	6.24E-05	2.90E-05
5576	436607.6	3762448	0.000374411	6.12E-05	2.84E-05
5577	436613.6	3762434	0.000370389	6.05E-05	2.81E-05
5578	436619.6	3762419	0.00036646	5.99E-05	2.78E-05
5579	436625.7	3762405	0.000362532	5.92E-05	2.75E-05
5580	436631.7	3762390	0.000358697	5.86E-05	2.72E-05
5581	436649.8	3762346	0.000347567	5.68E-05	2.63E-05
5582	436655.8	3762331	0.000343919	5.62E-05	2.61E-05
5583	436661.9	3762317	0.000340458	5.56E-05	2.58E-05
5584	436667.9	3762302	0.000336998	5.51E-05	2.55E-05
5585	436674	3762288	0.000333631	5.45E-05	2.53E-05
5586	436680	3762273	0.000330263	5.40E-05	2.50E-05
5587	436686	3762258	0.000326428	5.33E-05	2.47E-05
5588	436692.1	3762244	0.000322594	5.27E-05	2.44E-05
5589	436698.1	3762229	0.000318946	5.21E-05	2.42E-05
5590	436704.1	3762215	0.000315579	5.16E-05	2.39E-05
5591	436710.2	3762200	0.000312118	5.10E-05	2.37E-05
5592	436952.9	3761978	0.000278353	4.55E-05	2.11E-05
5593	436967.5	3761972	0.000276856	4.52E-05	2.10E-05
5594	436982.1	3761965	0.00027564	4.50E-05	2.09E-05
5595	436996.7	3761959	0.000274799	4.49E-05	2.08E-05
5596	437011.3	3761953	0.000273676	4.47E-05	2.07E-05
5597	437025.9	3761947	0.00027246	4.45E-05	2.06E-05
5598	437040.4	3761941	0.000270964	4.43E-05	2.05E-05
5599	437055	3761935	0.000269	4.39E-05	2.04E-05
5600	437069.6	3761929	0.000266755	4.36E-05	2.02E-05
5601	437084.2	3761923	0.000264416	4.32E-05	2.00E-05
5602	437098.8	3761917	0.000262078	4.28E-05	1.99E-05
5603	437113.4	3761911	0.000259833	4.24E-05	1.97E-05
5604	437128	3761905	0.000257589	4.21E-05	1.95E-05
5605	437142.6	3761898	0.000255344	4.17E-05	1.93E-05
5606	437157.2	3761892	0.000253005	4.13E-05	1.92E-05
5607	436514	3762683	0.000403406	6.59E-05	3.06E-05
5608	436514	3762699	0.00040537	6.62E-05	3.07E-05
5609	436477	3762668	0.00037413	6.11E-05	2.83E-05
5610	436483	3762653	0.000375814	6.14E-05	2.85E-05

5611	436489.1	3762638	0.000376936	6.16E-05	2.86E-05
5612	436495.1	3762624	0.000377497	6.17E-05	2.86E-05
5613	436501.1	3762609	0.000377591	6.17E-05	2.86E-05
5614	436507.1	3762595	0.000377123	6.16E-05	2.86E-05
5615	436513.2	3762580	0.000376188	6.15E-05	2.85E-05
5616	436519.2	3762565	0.000374691	6.12E-05	2.84E-05
5617	436525.2	3762551	0.000372727	6.09E-05	2.82E-05
5618	436531.2	3762536	0.000370389	6.05E-05	2.81E-05
5619	436537.3	3762522	0.000367583	6.01E-05	2.79E-05
5620	436543.3	3762507	0.000364496	5.95E-05	2.76E-05
5621	436549.3	3762492	0.000361036	5.90E-05	2.74E-05
5622	436579.5	3762420	0.000342984	5.60E-05	2.60E-05
5623	436585.5	3762405	0.000339617	5.55E-05	2.57E-05
5624	436591.5	3762390	0.000336343	5.49E-05	2.55E-05
5625	436603.6	3762361	0.000329515	5.38E-05	2.50E-05
5626	436609.6	3762347	0.000326148	5.33E-05	2.47E-05
5627	436615.6	3762332	0.000322781	5.27E-05	2.45E-05
5628	436621.7	3762317	0.000319601	5.22E-05	2.42E-05
5629	436627.7	3762303	0.000316327	5.17E-05	2.40E-05
5630	436633.7	3762288	0.000313334	5.12E-05	2.37E-05
5631	436639.7	3762274	0.000310341	5.07E-05	2.35E-05
5632	436645.8	3762259	0.000307254	5.02E-05	2.33E-05
5633	436651.8	3762244	0.000304074	4.97E-05	2.30E-05
5634	436657.8	3762230	0.000301081	4.92E-05	2.28E-05
5635	436663.8	3762215	0.000297995	4.87E-05	2.26E-05
5636	436669.9	3762201	0.000295002	4.82E-05	2.24E-05
5637	436675.9	3762186	0.000292102	4.77E-05	2.21E-05
5638	436681.9	3762171	0.000289016	4.72E-05	2.19E-05
5639	436730.1	3762055	0.000261517	4.27E-05	1.98E-05
5640	436851.5	3761980	0.000260488	4.26E-05	1.97E-05
5641	436866	3761974	0.000260956	4.26E-05	1.98E-05
5642	436880.6	3761968	0.000261236	4.27E-05	1.98E-05
5643	436895.2	3761962	0.000261423	4.27E-05	1.98E-05
5644	436909.7	3761956	0.000261236	4.27E-05	1.98E-05
5645	436924.3	3761950	0.000260769	4.26E-05	1.98E-05
5646	436938.9	3761943	0.000259927	4.25E-05	1.97E-05
5647	436953.4	3761937	0.000258992	4.23E-05	1.96E-05
5648	436968	3761931	0.000258056	4.22E-05	1.96E-05
5649	436982.6	3761925	0.000256934	4.20E-05	1.95E-05
5650	436997.1	3761919	0.000255624	4.18E-05	1.94E-05
5651	437011.7	3761913	0.000254128	4.15E-05	1.93E-05
5652	437026.3	3761907	0.000252444	4.12E-05	1.91E-05
5653	437040.8	3761901	0.000250667	4.10E-05	1.90E-05
5654	437055.4	3761895	0.000248703	4.06E-05	1.88E-05
5655	437070	3761889	0.000246739	4.03E-05	1.87E-05
5656	436474	3762683	0.00037413	6.11E-05	2.83E-05
5657	436474	3762699	0.00037572	6.14E-05	2.85E-05
5658	436437	3762668	0.000348409	5.69E-05	2.64E-05
5659	436443	3762653	0.000350092	5.72E-05	2.65E-05
5660	436449	3762638	0.000351121	5.74E-05	2.66E-05
5661	436455.1	3762624	0.000351869	5.75E-05	2.67E-05
5662	436461.1	3762609	0.000352243	5.75E-05	2.67E-05

5663	436467.1	3762595	0.000352056	5.75E-05	2.67E-05
5664	436473.1	3762580	0.000351308	5.74E-05	2.66E-05
5665	436479.1	3762566	0.000350186	5.72E-05	2.65E-05
5666	436485.1	3762551	0.000348596	5.69E-05	2.64E-05
5667	436491.2	3762536	0.000346725	5.66E-05	2.63E-05
5668	436497.2	3762522	0.000344387	5.63E-05	2.61E-05
5669	436503.2	3762507	0.000341674	5.58E-05	2.59E-05
5670	436509.2	3762493	0.000338775	5.53E-05	2.57E-05
5671	436515.2	3762478	0.000335501	5.48E-05	2.54E-05
5672	436521.3	3762464	0.000332228	5.43E-05	2.52E-05
5673	436527.3	3762449	0.00032886	5.37E-05	2.49E-05
5674	436533.3	3762434	0.000325493	5.32E-05	2.47E-05
5675	436539.3	3762420	0.00032222	5.26E-05	2.44E-05
5676	436545.3	3762405	0.000318946	5.21E-05	2.42E-05
5677	436569.4	3762347	0.000306693	5.01E-05	2.32E-05
5678	436575.4	3762332	0.0003037	4.96E-05	2.30E-05
5679	436581.4	3762318	0.000300801	4.91E-05	2.28E-05
5680	436587.5	3762303	0.000297901	4.87E-05	2.26E-05
5681	436593.5	3762289	0.000295282	4.82E-05	2.24E-05
5682	436599.5	3762274	0.000292663	4.78E-05	2.22E-05
5683	436605.5	3762260	0.000290044	4.74E-05	2.20E-05
5684	436611.5	3762245	0.000287519	4.70E-05	2.18E-05
5685	436617.6	3762230	0.0002849	4.65E-05	2.16E-05
5686	436623.6	3762216	0.000282468	4.61E-05	2.14E-05
5687	436629.6	3762201	0.000279756	4.57E-05	2.12E-05
5688	436635.6	3762187	0.00027695	4.52E-05	2.10E-05
5689	436641.6	3762172	0.000274237	4.48E-05	2.08E-05
5690	436647.7	3762158	0.000271431	4.43E-05	2.06E-05
5691	436653.7	3762143	0.000268719	4.39E-05	2.04E-05
5692	436659.7	3762128	0.000265913	4.34E-05	2.01E-05
5693	436808.4	3761958	0.000243559	3.98E-05	1.85E-05
5694	436823	3761952	0.000243933	3.99E-05	1.85E-05
5695	436837.5	3761946	0.000244307	3.99E-05	1.85E-05
5696	436852.1	3761940	0.000244681	4.00E-05	1.85E-05
5697	436866.6	3761934	0.000244681	4.00E-05	1.85E-05
5698	436881.2	3761927	0.000244588	4.00E-05	1.85E-05
5699	436895.7	3761921	0.000244401	3.99E-05	1.85E-05
5700	436910.2	3761915	0.000244026	3.99E-05	1.85E-05
5701	436924.8	3761909	0.000243465	3.98E-05	1.84E-05
5702	436939.3	3761903	0.000242623	3.96E-05	1.84E-05
5703	436953.9	3761897	0.000241501	3.95E-05	1.83E-05
5704	436968.4	3761891	0.000240192	3.92E-05	1.82E-05
5705	436983	3761885	0.000238695	3.90E-05	1.81E-05
5706	436434	3762683	0.000348222	5.69E-05	2.64E-05
5707	436434	3762699	0.000349438	5.71E-05	2.65E-05
5708	436397	3762667	0.000325306	5.31E-05	2.47E-05
5709	436403.1	3762653	0.00032699	5.34E-05	2.48E-05
5710	436409.2	3762638	0.000328206	5.36E-05	2.49E-05
5711	436415.2	3762623	0.000329047	5.38E-05	2.49E-05
5712	436421.3	3762609	0.000329515	5.38E-05	2.50E-05
5713	436427.4	3762594	0.000329422	5.38E-05	2.50E-05
5714	436433.5	3762579	0.00032886	5.37E-05	2.49E-05

5715	436439.5	3762565	0.000327925	5.36E-05	2.48E-05
5716	436445.6	3762550	0.000326709	5.34E-05	2.48E-05
5717	436451.7	3762535	0.000325026	5.31E-05	2.46E-05
5718	436457.8	3762520	0.000323061	5.28E-05	2.45E-05
5719	436463.8	3762506	0.000320817	5.24E-05	2.43E-05
5720	436469.9	3762491	0.000318478	5.20E-05	2.41E-05
5721	436476	3762476	0.000315766	5.16E-05	2.39E-05
5722	436482.1	3762462	0.000312679	5.11E-05	2.37E-05
5723	436488.1	3762447	0.000309499	5.06E-05	2.35E-05
5724	436494.2	3762432	0.000306319	5.00E-05	2.32E-05
5725	436500.3	3762418	0.000303045	4.95E-05	2.30E-05
5726	436506.3	3762403	0.000300146	4.90E-05	2.27E-05
5727	436512.4	3762388	0.000297246	4.86E-05	2.25E-05
5728	436518.5	3762373	0.000294347	4.81E-05	2.23E-05
5729	436530.6	3762344	0.000288548	4.71E-05	2.19E-05
5730	436536.7	3762329	0.000285835	4.67E-05	2.17E-05
5731	436542.8	3762315	0.00028331	4.63E-05	2.15E-05
5732	436548.9	3762300	0.000280785	4.59E-05	2.13E-05
5733	436554.9	3762285	0.000278353	4.55E-05	2.11E-05
5734	436561	3762271	0.000276108	4.51E-05	2.09E-05
5735	436567.1	3762256	0.000273957	4.48E-05	2.08E-05
5736	436573.2	3762241	0.000271806	4.44E-05	2.06E-05
5737	436579.2	3762226	0.000269561	4.40E-05	2.04E-05
5738	436585.3	3762212	0.000267316	4.37E-05	2.03E-05
5739	436591.4	3762197	0.000264884	4.33E-05	2.01E-05
5740	436597.5	3762182	0.000262359	4.29E-05	1.99E-05
5741	436603.5	3762168	0.000259646	4.24E-05	1.97E-05
5742	436609.6	3762153	0.000256934	4.20E-05	1.95E-05
5743	436615.7	3762138	0.000254596	4.16E-05	1.93E-05
5744	436621.7	3762123	0.000252164	4.12E-05	1.91E-05
5745	436676.4	3761991	0.000228219	3.73E-05	1.73E-05
5746	436682.5	3761976	0.000224665	3.67E-05	1.70E-05
5747	436692.9	3761966	0.000223543	3.65E-05	1.69E-05
5748	436707.5	3761960	0.000224759	3.67E-05	1.70E-05
5749	436722.2	3761954	0.0002256	3.69E-05	1.71E-05
5750	436795.6	3761923	0.000228874	3.74E-05	1.73E-05
5751	436810.3	3761917	0.000229342	3.75E-05	1.74E-05
5752	436825	3761911	0.000229716	3.75E-05	1.74E-05
5753	436839.7	3761905	0.000229809	3.75E-05	1.74E-05
5754	436854.3	3761899	0.000229716	3.75E-05	1.74E-05
5755	436869	3761892	0.000229529	3.75E-05	1.74E-05
5756	436883.7	3761886	0.000229155	3.74E-05	1.74E-05
5757	436898.4	3761880	0.000228781	3.74E-05	1.73E-05
5758	436913.1	3761874	0.0002285	3.73E-05	1.73E-05
5759	436927.7	3761868	0.000227658	3.72E-05	1.73E-05
5760	436942.4	3761862	0.000226536	3.70E-05	1.72E-05
5761	436394	3762683	0.000324932	5.31E-05	2.46E-05
5762	436394	3762699	0.000325867	5.32E-05	2.47E-05
5763	437371.1	3762659	0.01450399	2.37E-03	1.10E-03
5764	437363	3762579	0.005383545	8.79E-04	4.08E-04
5765	437362.9	3762559	0.004475437	7.31E-04	3.39E-04
5766	437362.8	3762539	0.003768799	6.16E-04	2.86E-04

5767	437385.3	3762519	0.003359594	5.49E-04	2.55E-04
5768	437362.7	3762519	0.003207604	5.24E-04	2.43E-04
5769	437385.2	3762499	0.00287388	4.69E-04	2.18E-04
5770	437362.5	3762499	0.002758929	4.51E-04	2.09E-04
5771	437385.1	3762479	0.002483662	4.06E-04	1.88E-04
5772	437362.4	3762479	0.002394994	3.91E-04	1.81E-04
5773	437384.9	3762459	0.002164529	3.54E-04	1.64E-04
5774	437362.3	3762459	0.002094661	3.42E-04	1.59E-04
5775	437384.8	3762439	0.001901516	3.11E-04	1.44E-04
5776	437362.2	3762439	0.001845771	3.02E-04	1.40E-04
5777	437369.6	3762419	0.001652065	2.70E-04	1.25E-04
5778	437369.5	3762399	0.001473324	2.41E-04	1.12E-04
5779	437384.4	3762369	0.00127279	2.08E-04	9.64E-05
5780	437369.3	3762369	0.00125399	2.05E-04	9.50E-05
5781	437384.2	3762339	0.00109405	1.79E-04	8.29E-05
5782	437369.1	3762339	0.001079272	1.76E-04	8.18E-05
5783	437384	3762309	0.000950758	1.55E-04	7.20E-05
5784	437368.9	3762309	0.000938786	1.53E-04	7.11E-05
5785	437383.8	3762279	0.000834217	1.36E-04	6.32E-05
5786	437368.7	3762279	0.000824396	1.35E-04	6.25E-05
5787	437383.6	3762249	0.000738439	1.21E-04	5.60E-05
5788	437368.5	3762249	0.000730302	1.19E-04	5.53E-05
5789	437383.4	3762219	0.000658937	1.08E-04	4.99E-05
5790	437368.3	3762219	0.000652109	1.07E-04	4.94E-05
5791	437383.2	3762189	0.000592341	9.68E-05	4.49E-05
5792	437368.1	3762189	0.000586355	9.58E-05	4.44E-05
5793	437383	3762159	0.000535941	8.76E-05	4.06E-05
5794	437368	3762159	0.000530797	8.67E-05	4.02E-05
5795	437382.9	3762129	0.000487866	7.97E-05	3.70E-05
5796	437367.8	3762129	0.000483376	7.90E-05	3.66E-05
5797	437382.7	3762099	0.000446524	7.29E-05	3.38E-05
5798	437367.6	3762099	0.000442502	7.23E-05	3.35E-05
5799	437374.4	3761979	0.00032727	5.35E-05	2.48E-05
5800	437359.3	3761979	0.000324464	5.30E-05	2.46E-05
5801	437359	3761939	0.00029734	4.86E-05	2.25E-05
5802	437358.8	3761899	0.000274331	4.48E-05	2.08E-05
5803	437353.8	3762709	0.02904138	4.74E-03	2.20E-03
5804	437353.8	3762718	0.03494767	5.71E-03	2.65E-03
5805	437353.8	3762728	0.04190397	6.85E-03	3.18E-03
5806	437353.8	3762738	0.04875588	7.97E-03	3.69E-03
5807	437353.8	3762747	0.05440309	8.89E-03	4.12E-03
5808	437353.8	3762757	0.05835709	9.53E-03	4.42E-03
5809	437353.8	3762767	0.06094513	9.96E-03	4.62E-03
5810	437353.8	3762776	0.06253126	1.02E-02	4.74E-03
5811	437353.8	3762786	0.06295215	1.03E-02	4.77E-03
5812	437353.8	3762796	0.06243014	1.02E-02	4.73E-03
5813	437353.8	3762806	0.06120469	1.00E-02	4.64E-03
5814	437353.8	3762815	0.05919804	9.67E-03	4.49E-03
5815	437353.8	3762825	0.05631246	9.20E-03	4.27E-03
5816	437353.8	3762835	0.05247015	8.57E-03	3.98E-03
5817	437353.8	3762844	0.04773581	7.80E-03	3.62E-03
5818	437353.8	3762854	0.04202322	6.87E-03	3.18E-03

5819	437343.8	3762709	0.02453498	4.01E-03	1.86E-03
5820	437343.8	3762718	0.02862441	4.68E-03	2.17E-03
5821	437343.8	3762728	0.03317926	5.42E-03	2.51E-03
5822	437343.8	3762738	0.03761663	6.15E-03	2.85E-03
5823	437343.8	3762747	0.04137654	6.76E-03	3.14E-03
5824	437343.8	3762757	0.04411611	7.21E-03	3.34E-03
5825	437343.8	3762767	0.04596852	7.51E-03	3.48E-03
5826	437343.8	3762776	0.04709166	7.69E-03	3.57E-03
5827	437343.8	3762786	0.04744773	7.75E-03	3.60E-03
5828	437343.8	3762796	0.04711803	7.70E-03	3.57E-03
5829	437343.8	3762806	0.04617803	7.54E-03	3.50E-03
5830	437343.8	3762815	0.04461501	7.29E-03	3.38E-03
5831	437343.8	3762825	0.04243037	6.93E-03	3.22E-03
5832	437343.8	3762835	0.0395838	6.47E-03	3.00E-03
5833	437343.8	3762844	0.03629623	5.93E-03	2.75E-03
5834	437343.8	3762854	0.03257878	5.32E-03	2.47E-03
5835	437313.8	3762718	0.01720456	2.81E-03	1.30E-03
5836	437313.8	3762728	0.01883427	3.08E-03	1.43E-03
5837	437313.8	3762738	0.0203972	3.33E-03	1.55E-03
5838	437313.8	3762747	0.02179523	3.56E-03	1.65E-03
5839	437313.8	3762757	0.02292762	3.75E-03	1.74E-03
5840	437313.8	3762767	0.02377213	3.88E-03	1.80E-03
5841	437313.8	3762776	0.02432706	3.97E-03	1.84E-03
5842	437313.8	3762786	0.02458577	4.02E-03	1.86E-03
5843	437313.8	3762796	0.02455547	4.01E-03	1.86E-03
5844	437313.8	3762806	0.02424251	3.96E-03	1.84E-03
5845	437313.8	3762815	0.02362837	3.86E-03	1.79E-03
5846	437313.8	3762825	0.02272157	3.71E-03	1.72E-03
5847	437313.8	3762835	0.02155672	3.52E-03	1.63E-03
5848	437303.8	3762718	0.01496193	2.44E-03	1.13E-03
5849	437303.8	3762728	0.01620946	2.65E-03	1.23E-03
5850	437303.8	3762738	0.01739864	2.84E-03	1.32E-03
5851	437303.8	3762747	0.01846949	3.02E-03	1.40E-03
5852	437303.8	3762757	0.01934533	3.16E-03	1.47E-03
5853	437303.8	3762767	0.02000913	3.27E-03	1.52E-03
5854	437303.8	3762776	0.02045303	3.34E-03	1.55E-03
5855	437303.8	3762786	0.02067022	3.38E-03	1.57E-03
5856	437303.8	3762796	0.0206604	3.38E-03	1.57E-03
5857	437303.8	3762806	0.02042638	3.34E-03	1.55E-03
5858	437303.8	3762815	0.01996227	3.26E-03	1.51E-03
5859	437303.8	3762825	0.01927705	3.15E-03	1.46E-03
5860	437303.8	3762835	0.01839448	3.01E-03	1.39E-03
5861	437293.8	3762718	0.01314843	2.15E-03	9.96E-04
5862	437293.8	3762728	0.01412659	2.31E-03	1.07E-03
5863	437293.8	3762738	0.01505406	2.46E-03	1.14E-03
5864	437293.8	3762747	0.01589024	2.60E-03	1.20E-03
5865	437293.8	3762757	0.01658013	2.71E-03	1.26E-03
5866	437293.8	3762767	0.01710813	2.79E-03	1.30E-03
5867	437293.8	3762776	0.01746626	2.85E-03	1.32E-03
5868	437293.8	3762786	0.01764622	2.88E-03	1.34E-03
5869	437293.8	3762796	0.01764584	2.88E-03	1.34E-03
5870	437293.8	3762806	0.01746626	2.85E-03	1.32E-03

5871	437293.8	3762815	0.01711149	2.80E-03	1.30E-03
5872	437293.8	3762825	0.0165893	2.71E-03	1.26E-03
5873	437293.8	3762835	0.01591072	2.60E-03	1.21E-03
5874	437287.1	3762691	0.009771154	1.60E-03	7.40E-04
5875	437283.8	3762718	0.01165621	1.90E-03	8.83E-04
5876	437283.8	3762728	0.01243665	2.03E-03	9.42E-04
5877	437283.8	3762738	0.0131748	2.15E-03	9.98E-04
5878	437283.8	3762747	0.01384001	2.26E-03	1.05E-03
5879	437283.8	3762757	0.01439119	2.35E-03	1.09E-03
5880	437283.8	3762767	0.01481592	2.42E-03	1.12E-03
5881	437283.8	3762776	0.01510728	2.47E-03	1.14E-03
5882	437283.8	3762786	0.01525712	2.49E-03	1.16E-03
5883	437283.8	3762796	0.01526236	2.49E-03	1.16E-03
5884	437283.8	3762806	0.01512327	2.47E-03	1.15E-03
5885	437283.8	3762815	0.01484978	2.43E-03	1.13E-03
5886	437283.8	3762825	0.01444404	2.36E-03	1.09E-03
5887	437283.8	3762835	0.01390931	2.27E-03	1.05E-03
5888	437283.8	3762844	0.01326029	2.17E-03	1.00E-03
5889	437283.6	3762675	0.008312795	1.36E-03	6.30E-04
5890	437290.2	3762659	0.007696323	1.26E-03	5.83E-04
5891	437296.7	3762643	0.007064511	1.15E-03	5.35E-04
5892	437273.8	3762718	0.0104199	1.70E-03	7.90E-04
5893	437273.8	3762728	0.01105096	1.81E-03	8.37E-04
5894	437273.8	3762738	0.01164349	1.90E-03	8.82E-04
5895	437273.8	3762747	0.012177	1.99E-03	9.23E-04
5896	437273.8	3762757	0.01262455	2.06E-03	9.57E-04
5897	437273.8	3762767	0.01297389	2.12E-03	9.83E-04
5898	437273.8	3762776	0.0132168	2.16E-03	1.00E-03
5899	437273.8	3762786	0.01334325	2.18E-03	1.01E-03
5900	437273.8	3762796	0.01335158	2.18E-03	1.01E-03
5901	437273.8	3762806	0.01324224	2.16E-03	1.00E-03
5902	437273.8	3762815	0.01302496	2.13E-03	9.87E-04
5903	437273.8	3762825	0.01269947	2.07E-03	9.62E-04
5904	437273.8	3762835	0.01226772	2.00E-03	9.30E-04
5905	437273.8	3762844	0.01174142	1.92E-03	8.90E-04
5906	437267.4	3762690	0.008065215	1.32E-03	6.11E-04
5907	437263.8	3762718	0.009377476	1.53E-03	7.11E-04
5908	437263.8	3762728	0.009893307	1.62E-03	7.50E-04
5909	437263.8	3762738	0.01037388	1.69E-03	7.86E-04
5910	437263.8	3762747	0.010806	1.77E-03	8.19E-04
5911	437263.8	3762757	0.01117461	1.83E-03	8.47E-04
5912	437263.8	3762767	0.01146587	1.87E-03	8.69E-04
5913	437263.8	3762776	0.01167108	1.91E-03	8.84E-04
5914	437263.8	3762786	0.01177874	1.92E-03	8.93E-04
5915	437263.8	3762796	0.01178846	1.93E-03	8.93E-04
5916	437263.8	3762806	0.01170139	1.91E-03	8.87E-04
5917	437263.8	3762815	0.01152451	1.88E-03	8.73E-04
5918	437263.8	3762825	0.01125813	1.84E-03	8.53E-04
5919	437263.8	3762835	0.01090477	1.78E-03	8.26E-04
5920	437263.8	3762844	0.01047377	1.71E-03	7.94E-04
5921	437247.3	3762690	0.006792425	1.11E-03	5.15E-04
5922	437320.9	3762597	0.005368112	8.77E-04	4.07E-04

5923	437346.2	3762586	0.005414878	8.85E-04	4.10E-04
5924	437243.8	3762718	0.00771849	1.26E-03	5.85E-04
5925	437243.8	3762728	0.008075878	1.32E-03	6.12E-04
5926	437243.8	3762738	0.008405579	1.37E-03	6.37E-04
5927	437243.8	3762747	0.008700208	1.42E-03	6.59E-04
5928	437243.8	3762757	0.008955084	1.46E-03	6.79E-04
5929	437243.8	3762767	0.009158984	1.50E-03	6.94E-04
5930	437243.8	3762776	0.009303492	1.52E-03	7.05E-04
5931	437243.8	3762786	0.009381591	1.53E-03	7.11E-04
5932	437243.8	3762796	0.009392441	1.53E-03	7.12E-04
5933	437243.8	3762806	0.009336416	1.53E-03	7.07E-04
5934	437243.8	3762815	0.009215385	1.51E-03	6.98E-04
5935	437243.8	3762825	0.009031125	1.48E-03	6.84E-04
5936	437243.8	3762835	0.008787473	1.44E-03	6.66E-04
5937	437243.8	3762844	0.008490507	1.39E-03	6.43E-04
5938	437227.2	3762691	0.005824737	9.52E-04	4.41E-04
5939	437305.5	3762583	0.004484323	7.33E-04	3.40E-04
5940	437321.9	3762576	0.004528096	7.40E-04	3.43E-04
5941	437346.5	3762566	0.004519959	7.38E-04	3.43E-04
5942	437223.8	3762718	0.006465716	1.06E-03	4.90E-04
5943	437223.8	3762728	0.006723585	1.10E-03	5.09E-04
5944	437223.8	3762738	0.006961251	1.14E-03	5.27E-04
5945	437223.8	3762747	0.007172821	1.17E-03	5.44E-04
5946	437223.8	3762757	0.007352404	1.20E-03	5.57E-04
5947	437223.8	3762767	0.007494386	1.22E-03	5.68E-04
5948	437223.8	3762776	0.00759484	1.24E-03	5.76E-04
5949	437223.8	3762786	0.00765152	1.25E-03	5.80E-04
5950	437223.8	3762796	0.007661435	1.25E-03	5.81E-04
5951	437223.8	3762806	0.007622994	1.25E-03	5.78E-04
5952	437223.8	3762815	0.00753685	1.23E-03	5.71E-04
5953	437223.8	3762825	0.007405437	1.21E-03	5.61E-04
5954	437223.8	3762835	0.007232402	1.18E-03	5.48E-04
5955	437223.8	3762844	0.007021673	1.15E-03	5.32E-04
5956	437207.4	3762690	0.005010163	8.18E-04	3.80E-04
5957	437293.6	3762568	0.003809579	6.22E-04	2.89E-04
5958	437319.5	3762557	0.003852604	6.29E-04	2.92E-04
5959	437336.8	3762550	0.003838948	6.27E-04	2.91E-04
5960	437345.5	3762546	0.003821832	6.24E-04	2.90E-04
5961	437203.8	3762718	0.005487459	8.96E-04	4.16E-04
5962	437203.8	3762728	0.005679014	9.28E-04	4.30E-04
5963	437203.8	3762738	0.0058542	9.56E-04	4.44E-04
5964	437203.8	3762747	0.006009277	9.82E-04	4.55E-04
5965	437203.8	3762757	0.006141064	1.00E-03	4.65E-04
5966	437203.8	3762767	0.006245446	1.02E-03	4.73E-04
5967	437203.8	3762776	0.006319057	1.03E-03	4.79E-04
5968	437203.8	3762786	0.006359649	1.04E-03	4.82E-04
5969	437203.8	3762796	0.00636601	1.04E-03	4.82E-04
5970	437203.8	3762806	0.00633767	1.04E-03	4.80E-04
5971	437203.8	3762815	0.006275002	1.03E-03	4.75E-04
5972	437203.8	3762825	0.006179226	1.01E-03	4.68E-04
5973	437203.8	3762835	0.006052676	9.89E-04	4.59E-04
5974	437203.8	3762844	0.005898534	9.64E-04	4.47E-04

5975	437187.3	3762690	0.004352536	7.11E-04	3.30E-04
5976	437303.6	3762544	0.003311051	5.41E-04	2.51E-04
5977	437320.5	3762537	0.00330731	5.40E-04	2.51E-04
5978	437345.8	3762526	0.003261104	5.33E-04	2.47E-04
5979	437183.8	3762718	0.004712075	7.70E-04	3.57E-04
5980	437183.8	3762728	0.004857985	7.94E-04	3.68E-04
5981	437183.8	3762738	0.004990708	8.15E-04	3.78E-04
5982	437183.8	3762747	0.005107249	8.34E-04	3.87E-04
5983	437183.8	3762757	0.005205833	8.50E-04	3.94E-04
5984	437265.9	3762539	0.002842359	4.64E-04	2.15E-04
5985	437274.7	3762536	0.00285985	4.67E-04	2.17E-04
5986	437292.2	3762528	0.002877528	4.70E-04	2.18E-04
5987	437318.6	3762517	0.002863404	4.68E-04	2.17E-04
5988	437336.2	3762510	0.002832351	4.63E-04	2.15E-04
5989	437345	3762506	0.002810932	4.59E-04	2.13E-04
5990	437147.4	3762690	0.003364926	5.50E-04	2.55E-04
5991	437250.7	3762526	0.002489649	4.07E-04	1.89E-04
5992	437276.5	3762515	0.002523507	4.12E-04	1.91E-04
5993	437293.7	3762508	0.002523227	4.12E-04	1.91E-04
5994	437319.5	3762497	0.002495635	4.08E-04	1.89E-04
5995	437336.6	3762490	0.002462711	4.02E-04	1.87E-04
5996	437345.2	3762486	0.002442134	3.99E-04	1.85E-04
5997	437143.8	3762699	0.003386532	5.53E-04	2.57E-04
5998	437143.8	3762709	0.003487173	5.70E-04	2.64E-04
5999	437143.8	3762718	0.003582015	5.85E-04	2.71E-04
6000	437143.8	3762728	0.00367059	6.00E-04	2.78E-04
6001	437143.8	3762738	0.00375056	6.13E-04	2.84E-04
6002	437143.8	3762747	0.003820335	6.24E-04	2.89E-04
6003	437143.8	3762757	0.003878326	6.34E-04	2.94E-04
6004	437143.8	3762767	0.003923502	6.41E-04	2.97E-04
6005	437143.8	3762776	0.003954929	6.46E-04	3.00E-04
6006	437143.8	3762786	0.003971765	6.49E-04	3.01E-04
6007	437143.8	3762796	0.003973542	6.49E-04	3.01E-04
6008	437143.8	3762806	0.003960447	6.47E-04	3.00E-04
6009	437143.8	3762815	0.003931826	6.42E-04	2.98E-04
6010	437143.8	3762825	0.003888053	6.35E-04	2.95E-04
6011	437143.8	3762835	0.003830437	6.26E-04	2.90E-04
6012	437127.5	3762690	0.002990702	4.89E-04	2.27E-04
6013	437238	3762511	0.002204748	3.60E-04	1.67E-04
6014	437246.8	3762507	0.002216627	3.62E-04	1.68E-04
6015	437264.6	3762500	0.00223206	3.65E-04	1.69E-04
6016	437291.3	3762489	0.002227196	3.64E-04	1.69E-04
6017	437317.9	3762478	0.002193338	3.58E-04	1.66E-04
6018	437335.7	3762470	0.002159292	3.53E-04	1.64E-04
6019	437344.5	3762466	0.002139088	3.49E-04	1.62E-04
6020	437123.8	3762699	0.003006509	4.91E-04	2.28E-04
6021	437123.8	3762709	0.003087415	5.04E-04	2.34E-04
6022	437123.8	3762718	0.003163176	5.17E-04	2.40E-04
6023	437123.8	3762728	0.003233419	5.28E-04	2.45E-04
6024	437123.8	3762738	0.003296554	5.39E-04	2.50E-04
6025	437123.8	3762747	0.003351364	5.47E-04	2.54E-04
6026	437123.8	3762757	0.003396727	5.55E-04	2.57E-04

6027	437123.8	3762767	0.003431895	5.61E-04	2.60E-04
6028	437123.8	3762776	0.00345612	5.65E-04	2.62E-04
6029	437123.8	3762786	0.00346884	5.67E-04	2.63E-04
6030	437123.8	3762796	0.003469776	5.67E-04	2.63E-04
6031	437123.8	3762806	0.003459113	5.65E-04	2.62E-04
6032	437123.8	3762815	0.00343601	5.61E-04	2.60E-04
6033	437123.8	3762825	0.003400655	5.56E-04	2.58E-04
6034	437123.8	3762835	0.003356321	5.48E-04	2.54E-04
6035	437107.4	3762690	0.002675404	4.37E-04	2.03E-04
6036	437214.2	3762501	0.001948376	3.18E-04	1.48E-04
6037	437222.9	3762497	0.00196147	3.20E-04	1.49E-04
6038	437249	3762486	0.001986537	3.25E-04	1.51E-04
6039	437275.1	3762475	0.001987285	3.25E-04	1.51E-04
6040	437292.5	3762468	0.001973256	3.22E-04	1.50E-04
6041	437318.6	3762457	0.001935749	3.16E-04	1.47E-04
6042	437336.1	3762450	0.001902825	3.11E-04	1.44E-04
6043	437344.8	3762446	0.001884493	3.08E-04	1.43E-04
6044	437103.8	3762699	0.002686441	4.39E-04	2.04E-04
6045	437103.8	3762709	0.002752475	4.50E-04	2.09E-04
6046	437103.8	3762718	0.002813552	4.60E-04	2.13E-04
6047	437103.8	3762728	0.002870045	4.69E-04	2.17E-04
6048	437103.8	3762738	0.002920553	4.77E-04	2.21E-04
6049	437103.8	3762747	0.002964233	4.84E-04	2.25E-04
6050	437103.8	3762757	0.003000242	4.90E-04	2.27E-04
6051	437103.8	3762767	0.003027835	4.95E-04	2.29E-04
6052	437103.8	3762776	0.003046728	4.98E-04	2.31E-04
6053	437103.8	3762786	0.003056081	4.99E-04	2.32E-04
6054	437103.8	3762796	0.003055801	4.99E-04	2.32E-04
6055	437103.8	3762806	0.003046167	4.98E-04	2.31E-04
6056	437103.8	3762815	0.003027086	4.95E-04	2.29E-04
6057	437103.8	3762825	0.002999775	4.90E-04	2.27E-04
6058	437103.8	3762835	0.002963204	4.84E-04	2.25E-04
6059	437087.3	3762690	0.00240603	3.93E-04	1.82E-04
6060	437199.4	3762487	0.001744662	2.85E-04	1.32E-04
6061	437208	3762484	0.001755979	2.87E-04	1.33E-04
6062	437233.7	3762473	0.001778801	2.91E-04	1.35E-04
6063	437250.8	3762466	0.00178273	2.91E-04	1.35E-04
6064	437267.9	3762458	0.001778801	2.91E-04	1.35E-04
6065	437276.5	3762455	0.001773751	2.90E-04	1.34E-04
6066	437293.6	3762448	0.001756447	2.87E-04	1.33E-04
6067	437310.7	3762440	0.001732316	2.83E-04	1.31E-04
6068	437336.4	3762430	0.001687794	2.76E-04	1.28E-04
6069	437353.5	3762423	0.001654497	2.70E-04	1.25E-04
6070	437083.8	3762699	0.002413607	3.94E-04	1.83E-04
6071	437083.8	3762709	0.00246851	4.03E-04	1.87E-04
6072	437083.8	3762718	0.002519392	4.12E-04	1.91E-04
6073	437083.8	3762728	0.002565597	4.19E-04	1.94E-04
6074	437083.8	3762738	0.002606564	4.26E-04	1.98E-04
6075	437083.8	3762747	0.002641639	4.32E-04	2.00E-04
6076	437083.8	3762757	0.002670353	4.36E-04	2.02E-04
6077	437083.8	3762767	0.00269224	4.40E-04	2.04E-04
6078	437083.8	3762776	0.002706831	4.42E-04	2.05E-04

6079	437083.8	3762786	0.002714126	4.43E-04	2.06E-04
6080	437083.8	3762796	0.002713846	4.43E-04	2.06E-04
6081	437083.8	3762806	0.002706083	4.42E-04	2.05E-04
6082	437083.8	3762815	0.002691117	4.40E-04	2.04E-04
6083	437083.8	3762825	0.00266895	4.36E-04	2.02E-04
6084	437083.8	3762835	0.002640236	4.31E-04	2.00E-04
6085	437074.7	3762672	0.002153306	3.52E-04	1.63E-04
6086	437078.3	3762664	0.002138153	3.49E-04	1.62E-04
6087	437082	3762655	0.002119821	3.46E-04	1.61E-04
6088	437085.6	3762646	0.002098496	3.43E-04	1.59E-04
6089	437089.2	3762637	0.002075112	3.39E-04	1.57E-04
6090	437092.9	3762628	0.002049952	3.35E-04	1.55E-04
6091	437096.5	3762620	0.002023763	3.31E-04	1.53E-04
6092	437100.1	3762611	0.001996077	3.26E-04	1.51E-04
6093	437103.8	3762602	0.001966802	3.21E-04	1.49E-04
6094	437107.4	3762593	0.001935562	3.16E-04	1.47E-04
6095	437114.7	3762576	0.001871773	3.06E-04	1.42E-04
6096	437118.3	3762567	0.001839317	3.00E-04	1.39E-04
6097	437121.9	3762558	0.001806019	2.95E-04	1.37E-04
6098	437125.6	3762549	0.001772067	2.89E-04	1.34E-04
6099	437132.8	3762532	0.001701637	2.78E-04	1.29E-04
6100	437136.5	3762523	0.001665533	2.72E-04	1.26E-04
6101	437140.1	3762514	0.001628588	2.66E-04	1.23E-04
6102	437143.7	3762505	0.001591362	2.60E-04	1.21E-04
6103	437186.2	3762473	0.001573965	2.57E-04	1.19E-04
6104	437194.9	3762469	0.001584254	2.59E-04	1.20E-04
6105	437203.7	3762465	0.001592765	2.60E-04	1.21E-04
6106	437221.3	3762458	0.001603802	2.62E-04	1.22E-04
6107	437238.9	3762451	0.001606702	2.62E-04	1.22E-04
6108	437247.7	3762447	0.001605392	2.62E-04	1.22E-04
6109	437265.2	3762439	0.001598845	2.61E-04	1.21E-04
6110	437282.8	3762432	0.00158416	2.59E-04	1.20E-04
6111	437291.6	3762428	0.001573965	2.57E-04	1.19E-04
6112	437309.2	3762421	0.001549927	2.53E-04	1.17E-04
6113	437326.8	3762414	0.001522242	2.49E-04	1.15E-04
6114	437335.6	3762410	0.00150737	2.46E-04	1.14E-04
6115	437353.1	3762403	0.001476598	2.41E-04	1.12E-04
6116	437063.8	3762709	0.002224764	3.63E-04	1.69E-04
6117	437063.8	3762718	0.002266854	3.70E-04	1.72E-04
6118	437063.8	3762728	0.002305296	3.77E-04	1.75E-04
6119	437063.8	3762738	0.002339155	3.82E-04	1.77E-04
6120	437063.8	3762747	0.002368056	3.87E-04	1.79E-04
6121	437063.8	3762757	0.002391533	3.91E-04	1.81E-04
6122	437063.8	3762767	0.002409117	3.94E-04	1.83E-04
6123	437063.8	3762776	0.002420715	3.95E-04	1.83E-04
6124	437063.8	3762786	0.002426233	3.96E-04	1.84E-04
6125	437063.8	3762796	0.002425766	3.96E-04	1.84E-04
6126	437063.8	3762806	0.002419312	3.95E-04	1.83E-04
6127	437063.8	3762815	0.002406872	3.93E-04	1.82E-04
6128	437063.8	3762825	0.002388821	3.90E-04	1.81E-04
6129	437063.8	3762835	0.002365437	3.86E-04	1.79E-04
6130	437063.8	3762844	0.002336816	3.82E-04	1.77E-04

6131	437044.9	3762672	0.001871586	3.06E-04	1.42E-04
6132	437048.6	3762663	0.001860175	3.04E-04	1.41E-04
6133	437052.3	3762654	0.001846706	3.02E-04	1.40E-04
6134	437055.9	3762645	0.001830899	2.99E-04	1.39E-04
6135	437059.6	3762636	0.001812941	2.96E-04	1.37E-04
6136	437067	3762618	0.001772909	2.90E-04	1.34E-04
6137	437070.7	3762609	0.001751209	2.86E-04	1.33E-04
6138	437074.4	3762601	0.001728761	2.82E-04	1.31E-04
6139	437078.1	3762592	0.001703508	2.78E-04	1.29E-04
6140	437081.8	3762583	0.001677506	2.74E-04	1.27E-04
6141	437085.5	3762574	0.001650849	2.70E-04	1.25E-04
6142	437089.1	3762565	0.001624847	2.65E-04	1.23E-04
6143	437096.5	3762547	0.001573591	2.57E-04	1.19E-04
6144	437100.2	3762538	0.001547121	2.53E-04	1.17E-04
6145	437103.9	3762529	0.001519062	2.48E-04	1.15E-04
6146	437107.6	3762520	0.001490628	2.44E-04	1.13E-04
6147	437115	3762502	0.001432731	2.34E-04	1.09E-04
6148	437118.7	3762493	0.001403175	2.29E-04	1.06E-04
6149	437183.3	3762444	0.001378482	2.25E-04	1.04E-04
6150	437192.2	3762440	0.001384094	2.26E-04	1.05E-04
6151	437201.1	3762436	0.001388584	2.27E-04	1.05E-04
6152	437210	3762433	0.001391296	2.27E-04	1.05E-04
6153	437219	3762429	0.001392325	2.27E-04	1.06E-04
6154	437227.9	3762425	0.00139139	2.27E-04	1.05E-04
6155	437236.8	3762421	0.001388677	2.27E-04	1.05E-04
6156	437245.7	3762418	0.001384188	2.26E-04	1.05E-04
6157	437254.7	3762414	0.001378669	2.25E-04	1.04E-04
6158	437263.6	3762410	0.001372215	2.24E-04	1.04E-04
6159	437272.5	3762406	0.001364265	2.23E-04	1.03E-04
6160	437281.4	3762403	0.001355286	2.21E-04	1.03E-04
6161	437290.3	3762399	0.001345091	2.20E-04	1.02E-04
6162	437299.3	3762395	0.001334241	2.18E-04	1.01E-04
6163	437308.2	3762391	0.001322456	2.16E-04	1.00E-04
6164	437317.1	3762388	0.001310016	2.14E-04	9.93E-05
6165	437326	3762384	0.001297109	2.12E-04	9.83E-05
6166	437335	3762380	0.001283921	2.10E-04	9.73E-05
6167	437343.9	3762376	0.001270733	2.08E-04	9.63E-05
6168	437352.8	3762373	0.001257732	2.05E-04	9.53E-05
6169	437033.8	3762709	0.001923028	3.14E-04	1.46E-04
6170	437033.8	3762718	0.001954736	3.19E-04	1.48E-04
6171	437033.8	3762728	0.001984199	3.24E-04	1.50E-04
6172	437033.8	3762738	0.00200992	3.28E-04	1.52E-04
6173	437033.8	3762747	0.002031526	3.32E-04	1.54E-04
6174	437033.8	3762757	0.002048643	3.35E-04	1.55E-04
6175	437033.8	3762767	0.002061363	3.37E-04	1.56E-04
6176	437033.8	3762776	0.002069407	3.38E-04	1.57E-04
6177	437033.8	3762786	0.002073055	3.39E-04	1.57E-04
6178	437033.8	3762796	0.002072119	3.39E-04	1.57E-04
6179	437033.8	3762806	0.002066694	3.38E-04	1.57E-04
6180	437033.8	3762815	0.002056873	3.36E-04	1.56E-04
6181	437033.8	3762825	0.002042937	3.34E-04	1.55E-04
6182	437033.8	3762835	0.002025072	3.31E-04	1.53E-04

6183	437033.8	3762844	0.002003466	3.27E-04	1.52E-04
6184	437014.6	3762673	0.001642618	2.68E-04	1.24E-04
6185	437018.2	3762664	0.001635136	2.67E-04	1.24E-04
6186	437021.8	3762655	0.001625501	2.66E-04	1.23E-04
6187	437025.5	3762646	0.001614091	2.64E-04	1.22E-04
6188	437029.1	3762638	0.001601277	2.62E-04	1.21E-04
6189	437032.7	3762629	0.001587247	2.59E-04	1.20E-04
6190	437036.3	3762620	0.001572095	2.57E-04	1.19E-04
6191	437039.9	3762611	0.001555913	2.54E-04	1.18E-04
6192	437043.5	3762603	0.001538703	2.51E-04	1.17E-04
6193	437047.1	3762594	0.001518874	2.48E-04	1.15E-04
6194	437050.7	3762585	0.001497268	2.45E-04	1.13E-04
6195	437054.3	3762576	0.001475101	2.41E-04	1.12E-04
6196	437057.9	3762568	0.001453402	2.37E-04	1.10E-04
6197	437061.5	3762559	0.001433666	2.34E-04	1.09E-04
6198	437065.1	3762550	0.001413276	2.31E-04	1.07E-04
6199	437072.4	3762533	0.001372777	2.24E-04	1.04E-04
6200	437076	3762524	0.001352854	2.21E-04	1.03E-04
6201	437079.6	3762515	0.001331997	2.18E-04	1.01E-04
6202	437083.2	3762506	0.001310297	2.14E-04	9.93E-05
6203	437090.4	3762489	0.001265495	2.07E-04	9.59E-05
6204	437117.2	3762441	0.001162703	1.90E-04	8.81E-05
6205	437143.4	3762431	0.001191698	1.95E-04	9.03E-05
6206	437178.3	3762416	0.00121321	1.98E-04	9.19E-05
6207	437187	3762412	0.001215268	1.99E-04	9.21E-05
6208	437195.7	3762409	0.001216297	1.99E-04	9.22E-05
6209	437204.4	3762405	0.001216203	1.99E-04	9.22E-05
6210	437213.2	3762401	0.0012148	1.98E-04	9.21E-05
6211	437221.9	3762398	0.001212181	1.98E-04	9.19E-05
6212	437230.6	3762394	0.00120844	1.97E-04	9.16E-05
6213	437239.4	3762390	0.001203576	1.97E-04	9.12E-05
6214	437248.1	3762387	0.001197871	1.96E-04	9.08E-05
6215	437256.8	3762383	0.001191417	1.95E-04	9.03E-05
6216	437265.5	3762379	0.001184028	1.93E-04	8.97E-05
6217	437274.3	3762376	0.001175891	1.92E-04	8.91E-05
6218	437283	3762372	0.001167005	1.91E-04	8.84E-05
6219	437291.7	3762368	0.001157465	1.89E-04	8.77E-05
6220	437300.4	3762365	0.001147457	1.87E-04	8.69E-05
6221	437309.2	3762361	0.001136888	1.86E-04	8.61E-05
6222	437317.9	3762357	0.001126131	1.84E-04	8.53E-05
6223	437326.6	3762354	0.001115188	1.82E-04	8.45E-05
6224	437335.4	3762350	0.001104245	1.80E-04	8.37E-05
6225	437344.1	3762346	0.001093395	1.79E-04	8.29E-05
6226	437352.8	3762343	0.001082732	1.77E-04	8.20E-05
6227	437003.8	3762709	0.001679283	2.74E-04	1.27E-04
6228	437003.8	3762718	0.001703975	2.78E-04	1.29E-04
6229	437003.8	3762728	0.00172633	2.82E-04	1.31E-04
6230	437003.8	3762738	0.001745784	2.85E-04	1.32E-04
6231	437003.8	3762747	0.001761966	2.88E-04	1.34E-04
6232	437003.8	3762757	0.001774686	2.90E-04	1.34E-04
6233	437003.8	3762767	0.001783946	2.91E-04	1.35E-04
6234	437003.8	3762776	0.001789651	2.92E-04	1.36E-04

6235	437003.8	3762786	0.001791802	2.93E-04	1.36E-04
6236	437003.8	3762796	0.001790399	2.92E-04	1.36E-04
6237	437003.8	3762806	0.001785629	2.92E-04	1.35E-04
6238	437003.8	3762815	0.001777585	2.90E-04	1.35E-04
6239	437003.8	3762825	0.001766549	2.89E-04	1.34E-04
6240	437003.8	3762835	0.001752519	2.86E-04	1.33E-04
6241	437003.8	3762844	0.001735683	2.84E-04	1.32E-04
6242	436984.8	3762672	0.001453682	2.37E-04	1.10E-04
6243	436988.4	3762663	0.00144807	2.37E-04	1.10E-04
6244	436992.1	3762655	0.001440775	2.35E-04	1.09E-04
6245	436995.7	3762646	0.001431889	2.34E-04	1.09E-04
6246	436999.4	3762637	0.001421601	2.32E-04	1.08E-04
6247	437003.1	3762628	0.001409909	2.30E-04	1.07E-04
6248	437006.7	3762619	0.001397469	2.28E-04	1.06E-04
6249	437010.4	3762610	0.001384094	2.26E-04	1.05E-04
6250	437014	3762601	0.001370345	2.24E-04	1.04E-04
6251	437017.7	3762593	0.001354725	2.21E-04	1.03E-04
6252	437021.3	3762584	0.001337702	2.19E-04	1.01E-04
6253	437025	3762575	0.00131937	2.16E-04	1.00E-04
6254	437028.7	3762566	0.001300944	2.13E-04	9.86E-05
6255	437032.3	3762557	0.00128364	2.10E-04	9.73E-05
6256	437036	3762548	0.001266524	2.07E-04	9.60E-05
6257	437039.6	3762539	0.001249594	2.04E-04	9.47E-05
6258	437043.3	3762530	0.001232945	2.01E-04	9.34E-05
6259	437046.9	3762522	0.00121639	1.99E-04	9.22E-05
6260	437050.6	3762513	0.001199648	1.96E-04	9.09E-05
6261	437054.3	3762504	0.001182251	1.93E-04	8.96E-05
6262	437057.9	3762495	0.001164293	1.90E-04	8.82E-05
6263	437076.2	3762451	0.001071134	1.75E-04	8.12E-05
6264	437079.9	3762442	0.001053083	1.72E-04	7.98E-05
6265	437083.5	3762433	0.00103475	1.69E-04	7.84E-05
6266	437096	3762420	0.001026332	1.68E-04	7.78E-05
6267	437131.4	3762405	0.00105645	1.73E-04	8.01E-05
6268	437140.2	3762402	0.001061407	1.73E-04	8.04E-05
6269	437149.1	3762398	0.001065242	1.74E-04	8.07E-05
6270	437184.5	3762383	0.001071602	1.75E-04	8.12E-05
6271	437193.3	3762379	0.001070854	1.75E-04	8.11E-05
6272	437202.1	3762376	0.001068983	1.75E-04	8.10E-05
6273	437211	3762372	0.001066271	1.74E-04	8.08E-05
6274	437219.8	3762368	0.001062529	1.74E-04	8.05E-05
6275	437228.7	3762365	0.001057946	1.73E-04	8.02E-05
6276	437237.5	3762361	0.001051773	1.72E-04	7.97E-05
6277	437246.4	3762357	0.001046068	1.71E-04	7.93E-05
6278	437255.2	3762353	0.001039427	1.70E-04	7.88E-05
6279	437264.1	3762350	0.001032038	1.69E-04	7.82E-05
6280	437272.9	3762346	0.001024088	1.67E-04	7.76E-05
6281	437281.7	3762342	0.00101567	1.66E-04	7.70E-05
6282	437290.6	3762339	0.001006784	1.64E-04	7.63E-05
6283	437299.4	3762335	0.000997711	1.63E-04	7.56E-05
6284	437308.3	3762331	0.000988358	1.61E-04	7.49E-05
6285	437317.1	3762327	0.000978911	1.60E-04	7.42E-05
6286	437326	3762324	0.000969371	1.58E-04	7.35E-05

6287	437334.8	3762320	0.000960018	1.57E-04	7.27E-05
6288	437343.7	3762316	0.000950758	1.55E-04	7.20E-05
6289	437352.5	3762313	0.000941779	1.54E-04	7.14E-05
6290	436973.8	3762709	0.001479778	2.42E-04	1.12E-04
6291	436973.8	3762718	0.001498671	2.45E-04	1.14E-04
6292	436973.8	3762728	0.001515694	2.48E-04	1.15E-04
6293	436973.8	3762738	0.001530379	2.50E-04	1.16E-04
6294	436973.8	3762747	0.001542538	2.52E-04	1.17E-04
6295	436973.8	3762757	0.001552266	2.54E-04	1.18E-04
6296	436973.8	3762767	0.001559187	2.55E-04	1.18E-04
6297	436973.8	3762776	0.001563209	2.55E-04	1.18E-04
6298	436973.8	3762786	0.001564518	2.56E-04	1.19E-04
6299	436973.8	3762796	0.001563209	2.55E-04	1.18E-04
6300	436973.8	3762806	0.001559281	2.55E-04	1.18E-04
6301	436973.8	3762815	0.001552733	2.54E-04	1.18E-04
6302	436973.8	3762825	0.001543661	2.52E-04	1.17E-04
6303	436973.8	3762835	0.001532343	2.50E-04	1.16E-04
6304	436973.8	3762844	0.001518968	2.48E-04	1.15E-04
6305	436954.6	3762673	0.00129608	2.12E-04	9.82E-05
6306	436958.2	3762664	0.001292526	2.11E-04	9.79E-05
6307	436961.8	3762655	0.001287475	2.10E-04	9.76E-05
6308	436965.3	3762647	0.001281302	2.09E-04	9.71E-05
6309	436968.9	3762638	0.001273726	2.08E-04	9.65E-05
6310	436972.5	3762629	0.001265214	2.07E-04	9.59E-05
6311	436976.1	3762621	0.001255768	2.05E-04	9.52E-05
6312	436979.7	3762612	0.001245385	2.03E-04	9.44E-05
6313	436983.3	3762603	0.001234349	2.02E-04	9.35E-05
6314	436986.9	3762594	0.001222376	2.00E-04	9.26E-05
6315	436990.5	3762586	0.001209656	1.98E-04	9.17E-05
6316	436994.1	3762577	0.001196374	1.95E-04	9.07E-05
6317	436997.7	3762568	0.001182438	1.93E-04	8.96E-05
6318	437001.3	3762560	0.001167847	1.91E-04	8.85E-05
6319	437004.8	3762551	0.001152882	1.88E-04	8.74E-05
6320	437008.4	3762542	0.001137636	1.86E-04	8.62E-05
6321	437012	3762533	0.001123419	1.84E-04	8.51E-05
6322	437015.6	3762525	0.00110967	1.81E-04	8.41E-05
6323	437019.2	3762516	0.001095827	1.79E-04	8.30E-05
6324	437022.8	3762507	0.00108161	1.77E-04	8.20E-05
6325	437030	3762490	0.001052615	1.72E-04	7.98E-05
6326	437047.9	3762446	0.000977789	1.60E-04	7.41E-05
6327	437051.5	3762438	0.000963946	1.57E-04	7.30E-05
6328	437055.1	3762429	0.000949542	1.55E-04	7.20E-05
6329	437058.7	3762420	0.00093467	1.53E-04	7.08E-05
6330	437074.6	3762399	0.000911194	1.49E-04	6.90E-05
6331	437100.6	3762388	0.000931771	1.52E-04	7.06E-05
6332	437109.3	3762385	0.000937009	1.53E-04	7.10E-05
6333	437118	3762381	0.000941592	1.54E-04	7.13E-05
6334	437126.7	3762377	0.000945427	1.54E-04	7.16E-05
6335	437135.4	3762374	0.00094842	1.55E-04	7.19E-05
6336	437144	3762370	0.000950384	1.55E-04	7.20E-05
6337	437178.8	3762355	0.000948794	1.55E-04	7.19E-05
6338	437187.5	3762352	0.00094711	1.55E-04	7.18E-05

6339	437196.2	3762348	0.000944585	1.54E-04	7.16E-05
6340	437204.8	3762345	0.000941498	1.54E-04	7.13E-05
6341	437213.5	3762341	0.000937757	1.53E-04	7.11E-05
6342	437222.2	3762337	0.000933455	1.52E-04	7.07E-05
6343	437230.9	3762334	0.000928684	1.52E-04	7.04E-05
6344	437239.6	3762330	0.000923166	1.51E-04	7.00E-05
6345	437248.3	3762326	0.000917086	1.50E-04	6.95E-05
6346	437256.9	3762323	0.000910539	1.49E-04	6.90E-05
6347	437265.6	3762319	0.000903618	1.48E-04	6.85E-05
6348	437274.3	3762315	0.000896322	1.46E-04	6.79E-05
6349	437283	3762312	0.00088884	1.45E-04	6.74E-05
6350	437291.7	3762308	0.000880983	1.44E-04	6.68E-05
6351	437300.4	3762304	0.000873126	1.43E-04	6.62E-05
6352	437309.1	3762301	0.000865176	1.41E-04	6.56E-05
6353	437317.7	3762297	0.000857226	1.40E-04	6.50E-05
6354	437326.4	3762294	0.000849275	1.39E-04	6.44E-05
6355	437335.1	3762290	0.000841512	1.37E-04	6.38E-05
6356	437343.8	3762286	0.00083403	1.36E-04	6.32E-05
6357	437352.5	3762283	0.000826827	1.35E-04	6.27E-05
6358	436943.8	3762709	0.001313664	2.15E-04	9.95E-05
6359	436943.8	3762718	0.001328536	2.17E-04	1.01E-04
6360	436943.8	3762728	0.001341537	2.19E-04	1.02E-04
6361	436943.8	3762738	0.001352574	2.21E-04	1.02E-04
6362	436943.8	3762747	0.00136174	2.22E-04	1.03E-04
6363	436943.8	3762757	0.001369035	2.24E-04	1.04E-04
6364	436943.8	3762767	0.001374367	2.25E-04	1.04E-04
6365	436943.8	3762776	0.00137736	2.25E-04	1.04E-04
6366	436943.8	3762786	0.001378108	2.25E-04	1.04E-04
6367	436943.8	3762796	0.001376705	2.25E-04	1.04E-04
6368	436943.8	3762806	0.001373244	2.24E-04	1.04E-04
6369	436943.8	3762815	0.001367819	2.23E-04	1.04E-04
6370	436943.8	3762825	0.001360617	2.22E-04	1.03E-04
6371	436943.8	3762835	0.001351545	2.21E-04	1.02E-04
6372	436943.8	3762844	0.001340882	2.19E-04	1.02E-04
6373	436924.7	3762672	0.001162516	1.90E-04	8.81E-05
6374	436928.3	3762664	0.001160084	1.90E-04	8.79E-05
6375	436932	3762655	0.00115653	1.89E-04	8.76E-05
6376	436935.6	3762646	0.001151759	1.88E-04	8.73E-05
6377	436939.2	3762637	0.00114596	1.87E-04	8.68E-05
6378	436942.9	3762628	0.00113932	1.86E-04	8.63E-05
6379	436946.5	3762620	0.001131837	1.85E-04	8.58E-05
6380	436950.1	3762611	0.001123606	1.84E-04	8.51E-05
6381	436953.8	3762602	0.001114627	1.82E-04	8.45E-05
6382	436957.4	3762593	0.001104712	1.80E-04	8.37E-05
6383	436964.7	3762576	0.0010832	1.77E-04	8.21E-05
6384	436968.3	3762567	0.001071976	1.75E-04	8.12E-05
6385	436971.9	3762558	0.001060191	1.73E-04	8.03E-05
6386	436975.6	3762549	0.001048125	1.71E-04	7.94E-05
6387	436982.8	3762532	0.001023713	1.67E-04	7.76E-05
6388	436986.5	3762523	0.001011741	1.65E-04	7.67E-05
6389	436990.1	3762514	0.000999676	1.63E-04	7.58E-05
6390	436993.7	3762505	0.000986955	1.61E-04	7.48E-05

6391	436997.4	3762496	0.000973954	1.59E-04	7.38E-05
6392	437015.5	3762452	0.000911568	1.49E-04	6.91E-05
6393	437019.2	3762443	0.000899783	1.47E-04	6.82E-05
6394	437022.8	3762435	0.000887998	1.45E-04	6.73E-05
6395	437030.1	3762417	0.000863305	1.41E-04	6.54E-05
6396	437033.7	3762408	0.000850304	1.39E-04	6.44E-05
6397	437037.3	3762399	0.000837022	1.37E-04	6.34E-05
6398	437041	3762391	0.000823554	1.35E-04	6.24E-05
6399	437053.4	3762378	0.000816165	1.33E-04	6.18E-05
6400	437088.5	3762363	0.000836274	1.37E-04	6.34E-05
6401	437097.3	3762360	0.000839922	1.37E-04	6.36E-05
6402	437106.1	3762356	0.000842541	1.38E-04	6.38E-05
6403	437114.9	3762352	0.000844505	1.38E-04	6.40E-05
6404	437123.7	3762349	0.00084544	1.38E-04	6.41E-05
6405	437132.5	3762345	0.000845908	1.38E-04	6.41E-05
6406	437141.3	3762341	0.000846843	1.38E-04	6.42E-05
6407	437185.2	3762323	0.000843009	1.38E-04	6.39E-05
6408	437194	3762319	0.000840296	1.37E-04	6.37E-05
6409	437202.8	3762315	0.000836835	1.37E-04	6.34E-05
6410	437211.6	3762312	0.000832907	1.36E-04	6.31E-05
6411	437220.4	3762308	0.000828324	1.35E-04	6.28E-05
6412	437229.2	3762304	0.00082318	1.34E-04	6.24E-05
6413	437237.9	3762301	0.000817568	1.34E-04	6.20E-05
6414	437246.7	3762297	0.000811582	1.33E-04	6.15E-05
6415	437255.5	3762293	0.000805315	1.32E-04	6.10E-05
6416	437264.3	3762290	0.000798861	1.31E-04	6.05E-05
6417	437273.1	3762286	0.00079222	1.29E-04	6.00E-05
6418	437281.9	3762282	0.000785393	1.28E-04	5.95E-05
6419	437290.7	3762278	0.000778471	1.27E-04	5.90E-05
6420	437299.5	3762275	0.000771643	1.26E-04	5.85E-05
6421	437308.2	3762271	0.000764815	1.25E-04	5.80E-05
6422	437317	3762267	0.000757988	1.24E-04	5.74E-05
6423	437325.8	3762264	0.000751347	1.23E-04	5.69E-05
6424	437334.6	3762260	0.000744799	1.22E-04	5.64E-05
6425	437343.4	3762256	0.000738439	1.21E-04	5.60E-05
6426	437352.2	3762253	0.00073236	1.20E-04	5.55E-05
6427	436913.8	3762709	0.001174301	1.92E-04	8.90E-05
6428	436913.8	3762718	0.001185899	1.94E-04	8.99E-05
6429	436913.8	3762728	0.001195907	1.95E-04	9.06E-05
6430	436913.8	3762738	0.001204418	1.97E-04	9.13E-05
6431	436913.8	3762747	0.001211246	1.98E-04	9.18E-05
6432	436913.8	3762757	0.001216484	1.99E-04	9.22E-05
6433	436913.8	3762767	0.001220225	1.99E-04	9.25E-05
6434	436913.8	3762776	0.001222189	2.00E-04	9.26E-05
6435	436913.8	3762786	0.001222376	2.00E-04	9.26E-05
6436	436913.8	3762796	0.001220973	1.99E-04	9.25E-05
6437	436913.8	3762806	0.001217887	1.99E-04	9.23E-05
6438	436913.8	3762815	0.001213491	1.98E-04	9.20E-05
6439	436913.8	3762825	0.001207879	1.97E-04	9.15E-05
6440	436913.8	3762835	0.001200677	1.96E-04	9.10E-05
6441	436913.8	3762844	0.001192072	1.95E-04	9.03E-05
6442	436894.8	3762672	0.001047471	1.71E-04	7.94E-05

6443	436898.5	3762663	0.001046068	1.71E-04	7.93E-05
6444	436902.2	3762654	0.001043542	1.70E-04	7.91E-05
6445	436905.8	3762645	0.001040081	1.70E-04	7.88E-05
6446	436909.5	3762637	0.001035779	1.69E-04	7.85E-05
6447	436913.2	3762628	0.001030541	1.68E-04	7.81E-05
6448	436916.8	3762619	0.001024555	1.67E-04	7.76E-05
6449	436920.5	3762610	0.001017914	1.66E-04	7.71E-05
6450	436924.2	3762601	0.001010432	1.65E-04	7.66E-05
6451	436927.9	3762592	0.001002575	1.64E-04	7.60E-05
6452	436931.5	3762583	0.000994157	1.62E-04	7.53E-05
6453	436935.2	3762574	0.000985271	1.61E-04	7.47E-05
6454	436938.9	3762565	0.000975918	1.59E-04	7.40E-05
6455	436942.6	3762556	0.000966191	1.58E-04	7.32E-05
6456	436946.2	3762548	0.000956183	1.56E-04	7.25E-05
6457	436953.6	3762530	0.000935699	1.53E-04	7.09E-05
6458	436957.2	3762521	0.000925317	1.51E-04	7.01E-05
6459	436960.9	3762512	0.000914935	1.49E-04	6.93E-05
6460	436964.6	3762503	0.000904272	1.48E-04	6.85E-05
6461	436990.3	3762441	0.000830943	1.36E-04	6.30E-05
6462	436994	3762432	0.000820935	1.34E-04	6.22E-05
6463	436997.6	3762423	0.000810646	1.32E-04	6.14E-05
6464	437001.3	3762414	0.000800077	1.31E-04	6.06E-05
6465	437008.6	3762396	0.000778191	1.27E-04	5.90E-05
6466	437012.3	3762387	0.00076678	1.25E-04	5.81E-05
6467	437019.7	3762369	0.000742835	1.21E-04	5.63E-05
6468	437032.2	3762357	0.000735353	1.20E-04	5.57E-05
6469	437058.8	3762346	0.000748354	1.22E-04	5.67E-05
6470	437067.7	3762342	0.000751627	1.23E-04	5.70E-05
6471	437076.6	3762338	0.000754153	1.23E-04	5.71E-05
6472	437085.5	3762334	0.00075621	1.24E-04	5.73E-05
6473	437094.4	3762331	0.000757707	1.24E-04	5.74E-05
6474	437103.3	3762327	0.000758829	1.24E-04	5.75E-05
6475	437112.1	3762323	0.000759484	1.24E-04	5.76E-05
6476	437121	3762320	0.000759765	1.24E-04	5.76E-05
6477	437129.9	3762316	0.000759671	1.24E-04	5.76E-05
6478	437138.8	3762312	0.000760794	1.24E-04	5.76E-05
6479	437147.7	3762308	0.000761074	1.24E-04	5.77E-05
6480	437183.2	3762293	0.000754901	1.23E-04	5.72E-05
6481	437192.1	3762290	0.000751814	1.23E-04	5.70E-05
6482	437200.9	3762286	0.00074798	1.22E-04	5.67E-05
6483	437209.8	3762282	0.000743677	1.21E-04	5.64E-05
6484	437218.7	3762279	0.000739	1.21E-04	5.60E-05
6485	437227.6	3762275	0.000733856	1.20E-04	5.56E-05
6486	437236.5	3762271	0.000728431	1.19E-04	5.52E-05
6487	437245.3	3762267	0.000722726	1.18E-04	5.48E-05
6488	437254.2	3762264	0.000716833	1.17E-04	5.43E-05
6489	437263.1	3762260	0.000710941	1.16E-04	5.39E-05
6490	437272	3762256	0.000704955	1.15E-04	5.34E-05
6491	437280.9	3762252	0.000698875	1.14E-04	5.30E-05
6492	437289.7	3762249	0.000692982	1.13E-04	5.25E-05
6493	437298.6	3762245	0.000686996	1.12E-04	5.21E-05
6494	437307.5	3762241	0.000681104	1.11E-04	5.16E-05

6495	437316.4	3762238	0.000675398	1.10E-04	5.12E-05
6496	437325.3	3762234	0.000669786	1.09E-04	5.08E-05
6497	437334.1	3762230	0.000664268	1.09E-04	5.03E-05
6498	437343	3762226	0.000658843	1.08E-04	4.99E-05
6499	437351.9	3762223	0.000653792	1.07E-04	4.95E-05
6500	436883.8	3762709	0.00105514	1.72E-04	8.00E-05
6501	436883.8	3762718	0.001064494	1.74E-04	8.07E-05
6502	436883.8	3762728	0.001072724	1.75E-04	8.13E-05
6503	436883.8	3762738	0.001079552	1.76E-04	8.18E-05
6504	436883.8	3762747	0.001084977	1.77E-04	8.22E-05
6505	436883.8	3762757	0.00108928	1.78E-04	8.25E-05
6506	436883.8	3762767	0.001092179	1.78E-04	8.28E-05
6507	436883.8	3762776	0.001093582	1.79E-04	8.29E-05
6508	436883.8	3762786	0.001093582	1.79E-04	8.29E-05
6509	436883.8	3762796	0.001092179	1.78E-04	8.28E-05
6510	436883.8	3762806	0.001089467	1.78E-04	8.26E-05
6511	436883.8	3762815	0.001085445	1.77E-04	8.23E-05
6512	436883.8	3762825	0.001080301	1.76E-04	8.19E-05
6513	436883.8	3762835	0.001074034	1.75E-04	8.14E-05
6514	436883.8	3762844	0.001066832	1.74E-04	8.08E-05
6515	436864.7	3762673	0.000948794	1.55E-04	7.19E-05
6516	436868.3	3762664	0.000948139	1.55E-04	7.18E-05
6517	436871.9	3762655	0.000946549	1.55E-04	7.17E-05
6518	436875.5	3762646	0.000943837	1.54E-04	7.15E-05
6519	436879.1	3762638	0.000940376	1.54E-04	7.13E-05
6520	436882.7	3762629	0.000936167	1.53E-04	7.09E-05
6521	436886.3	3762620	0.00093149	1.52E-04	7.06E-05
6522	436890	3762611	0.000926253	1.51E-04	7.02E-05
6523	436893.6	3762602	0.000920641	1.50E-04	6.98E-05
6524	436897.2	3762594	0.000915029	1.49E-04	6.93E-05
6525	436900.8	3762585	0.000908856	1.48E-04	6.89E-05
6526	436904.4	3762576	0.000902121	1.47E-04	6.84E-05
6527	436911.7	3762559	0.000887062	1.45E-04	6.72E-05
6528	436915.3	3762550	0.000879112	1.44E-04	6.66E-05
6529	436918.9	3762541	0.000870975	1.42E-04	6.60E-05
6530	436922.5	3762532	0.000862557	1.41E-04	6.54E-05
6531	436929.7	3762515	0.000845066	1.38E-04	6.40E-05
6532	436933.3	3762506	0.000836181	1.37E-04	6.34E-05
6533	436937	3762497	0.000827108	1.35E-04	6.27E-05
6534	436940.6	3762488	0.000817848	1.34E-04	6.20E-05
6535	436955	3762453	0.000782212	1.28E-04	5.93E-05
6536	436958.7	3762445	0.000774169	1.26E-04	5.87E-05
6537	436965.9	3762427	0.000758175	1.24E-04	5.75E-05
6538	436969.5	3762418	0.00074957	1.22E-04	5.68E-05
6539	436973.1	3762410	0.000740778	1.21E-04	5.61E-05
6540	436976.7	3762401	0.000731705	1.20E-04	5.54E-05
6541	436984	3762383	0.000712905	1.16E-04	5.40E-05
6542	436987.6	3762374	0.000703178	1.15E-04	5.33E-05
6543	436991.2	3762366	0.000693263	1.13E-04	5.25E-05
6544	436994.8	3762357	0.000683255	1.12E-04	5.18E-05
6545	437010.8	3762336	0.0006667	1.09E-04	5.05E-05
6546	437037	3762325	0.00067755	1.11E-04	5.13E-05

6547	437045.8	3762321	0.000680449	1.11E-04	5.16E-05
6548	437054.5	3762317	0.000682974	1.12E-04	5.18E-05
6549	437063.3	3762314	0.000685126	1.12E-04	5.19E-05
6550	437072	3762310	0.000686903	1.12E-04	5.21E-05
6551	437080.8	3762306	0.000688212	1.12E-04	5.21E-05
6552	437089.5	3762303	0.000688867	1.13E-04	5.22E-05
6553	437098.2	3762299	0.000689241	1.13E-04	5.22E-05
6554	437107	3762295	0.000690176	1.13E-04	5.23E-05
6555	437115.7	3762292	0.000690738	1.13E-04	5.23E-05
6556	437124.5	3762288	0.000690644	1.13E-04	5.23E-05
6557	437133.2	3762284	0.00069027	1.13E-04	5.23E-05
6558	437142	3762281	0.000689522	1.13E-04	5.22E-05
6559	437176.9	3762266	0.000681197	1.11E-04	5.16E-05
6560	437185.7	3762262	0.000678017	1.11E-04	5.14E-05
6561	437194.4	3762259	0.000674276	1.10E-04	5.11E-05
6562	437203.2	3762255	0.000670067	1.09E-04	5.08E-05
6563	437211.9	3762251	0.000665671	1.09E-04	5.04E-05
6564	437220.7	3762248	0.000660901	1.08E-04	5.01E-05
6565	437229.4	3762244	0.000655944	1.07E-04	4.97E-05
6566	437238.2	3762240	0.000650799	1.06E-04	4.93E-05
6567	437246.9	3762237	0.000645655	1.05E-04	4.89E-05
6568	437255.7	3762233	0.000640604	1.05E-04	4.85E-05
6569	437264.4	3762229	0.000635647	1.04E-04	4.82E-05
6570	437273.1	3762226	0.000630503	1.03E-04	4.78E-05
6571	437281.9	3762222	0.000625452	1.02E-04	4.74E-05
6572	437290.6	3762218	0.000620495	1.01E-04	4.70E-05
6573	437299.4	3762215	0.000615538	1.01E-04	4.66E-05
6574	437308.1	3762211	0.000610674	9.98E-05	4.63E-05
6575	437316.9	3762207	0.00060581	9.90E-05	4.59E-05
6576	437325.6	3762204	0.000600946	9.82E-05	4.55E-05
6577	437334.4	3762200	0.000596363	9.74E-05	4.52E-05
6578	437343.1	3762196	0.000591967	9.67E-05	4.49E-05
6579	437351.8	3762193	0.000587665	9.60E-05	4.45E-05
6580	436853.8	3762709	0.000953096	1.56E-04	7.22E-05
6581	436853.8	3762718	0.000960672	1.57E-04	7.28E-05
6582	436853.8	3762728	0.000967407	1.58E-04	7.33E-05
6583	436853.8	3762738	0.000973112	1.59E-04	7.37E-05
6584	436853.8	3762747	0.000977602	1.60E-04	7.41E-05
6585	436853.8	3762757	0.000981063	1.60E-04	7.43E-05
6586	436853.8	3762767	0.000983307	1.61E-04	7.45E-05
6587	436853.8	3762776	0.000984336	1.61E-04	7.46E-05
6588	436853.8	3762786	0.000984149	1.61E-04	7.46E-05
6589	436853.8	3762796	0.000982746	1.61E-04	7.45E-05
6590	436853.8	3762806	0.000980408	1.60E-04	7.43E-05
6591	436853.8	3762815	0.000976854	1.60E-04	7.40E-05
6592	436853.8	3762825	0.000972458	1.59E-04	7.37E-05
6593	436853.8	3762835	0.000967033	1.58E-04	7.33E-05
6594	436853.8	3762844	0.000960953	1.57E-04	7.28E-05
6595	436834.8	3762672	0.000864989	1.41E-04	6.55E-05
6596	436838.4	3762664	0.000864895	1.41E-04	6.55E-05
6597	436842.1	3762655	0.000863866	1.41E-04	6.55E-05
6598	436845.7	3762646	0.000861809	1.41E-04	6.53E-05

6599	436849.4	3762637	0.000858909	1.40E-04	6.51E-05
6600	436856.7	3762619	0.000850772	1.39E-04	6.45E-05
6601	436860.3	3762610	0.000845815	1.38E-04	6.41E-05
6602	436864	3762602	0.000840764	1.37E-04	6.37E-05
6603	436867.6	3762593	0.000836087	1.37E-04	6.34E-05
6604	436874.9	3762575	0.000825799	1.35E-04	6.26E-05
6605	436878.6	3762566	0.000819906	1.34E-04	6.21E-05
6606	436882.2	3762557	0.000813546	1.33E-04	6.16E-05
6607	436885.9	3762548	0.000806905	1.32E-04	6.11E-05
6608	436893.2	3762531	0.000792782	1.30E-04	6.01E-05
6609	436896.8	3762522	0.000785486	1.28E-04	5.95E-05
6610	436900.5	3762513	0.000778097	1.27E-04	5.90E-05
6611	436904.1	3762504	0.000770521	1.26E-04	5.84E-05
6612	436911.4	3762486	0.000755182	1.23E-04	5.72E-05
6613	436929.7	3762442	0.000716833	1.17E-04	5.43E-05
6614	436933.3	3762433	0.000709818	1.16E-04	5.38E-05
6615	436937	3762425	0.000702803	1.15E-04	5.33E-05
6616	436940.6	3762416	0.000695508	1.14E-04	5.27E-05
6617	436947.9	3762398	0.000680262	1.11E-04	5.15E-05
6618	436951.6	3762389	0.000672405	1.10E-04	5.10E-05
6619	436955.2	3762380	0.000664361	1.09E-04	5.03E-05
6620	436958.9	3762371	0.000656224	1.07E-04	4.97E-05
6621	436966.2	3762354	0.000639388	1.04E-04	4.85E-05
6622	436969.8	3762345	0.00063069	1.03E-04	4.78E-05
6623	436977.1	3762327	0.000613012	1.00E-04	4.65E-05
6624	436989.6	3762315	0.000607961	9.93E-05	4.61E-05
6625	437024.9	3762300	0.000620495	1.01E-04	4.70E-05
6626	437033.7	3762296	0.000622927	1.02E-04	4.72E-05
6627	437042.6	3762292	0.000625171	1.02E-04	4.74E-05
6628	437051.4	3762289	0.000627229	1.02E-04	4.75E-05
6629	437060.2	3762285	0.000628819	1.03E-04	4.76E-05
6630	437069.1	3762281	0.000630129	1.03E-04	4.77E-05
6631	437077.9	3762278	0.000631157	1.03E-04	4.78E-05
6632	437086.7	3762274	0.000631812	1.03E-04	4.79E-05
6633	437095.5	3762270	0.00063228	1.03E-04	4.79E-05
6634	437104.4	3762266	0.000631999	1.03E-04	4.79E-05
6635	437113.2	3762263	0.000631345	1.03E-04	4.78E-05
6636	437122	3762259	0.000630222	1.03E-04	4.78E-05
6637	437130.9	3762255	0.000628913	1.03E-04	4.77E-05
6638	437139.7	3762252	0.000627229	1.02E-04	4.75E-05
6639	437148.5	3762248	0.000625171	1.02E-04	4.74E-05
6640	437157.3	3762244	0.000622833	1.02E-04	4.72E-05
6641	437166.2	3762240	0.000620027	1.01E-04	4.70E-05
6642	437175	3762237	0.00061666	1.01E-04	4.67E-05
6643	437183.8	3762233	0.000613106	1.00E-04	4.65E-05
6644	437192.7	3762229	0.000609271	9.95E-05	4.62E-05
6645	437201.5	3762226	0.000605155	9.89E-05	4.59E-05
6646	437210.3	3762222	0.000600853	9.82E-05	4.55E-05
6647	437219.1	3762218	0.000596457	9.74E-05	4.52E-05
6648	437228	3762215	0.000591967	9.67E-05	4.49E-05
6649	437236.8	3762211	0.000587478	9.60E-05	4.45E-05
6650	437245.6	3762207	0.000582895	9.52E-05	4.42E-05

6651	437254.5	3762203	0.000578312	9.45E-05	4.38E-05
6652	437263.3	3762200	0.000573729	9.37E-05	4.35E-05
6653	437272.1	3762196	0.000569145	9.30E-05	4.31E-05
6654	437280.9	3762192	0.000564749	9.23E-05	4.28E-05
6655	437289.8	3762189	0.00056026	9.15E-05	4.25E-05
6656	437298.6	3762185	0.000555864	9.08E-05	4.21E-05
6657	437307.4	3762181	0.000551468	9.01E-05	4.18E-05
6658	437316.3	3762177	0.000547259	8.94E-05	4.15E-05
6659	437325.1	3762174	0.000543143	8.87E-05	4.12E-05
6660	437333.9	3762170	0.000539215	8.81E-05	4.09E-05
6661	437342.7	3762166	0.00053538	8.75E-05	4.06E-05
6662	437351.6	3762163	0.000531826	8.69E-05	4.03E-05
6663	436823.8	3762709	0.000867046	1.42E-04	6.57E-05
6664	436823.8	3762718	0.000873033	1.43E-04	6.62E-05
6665	436823.8	3762728	0.000878551	1.44E-04	6.66E-05
6666	436823.8	3762738	0.000883228	1.44E-04	6.69E-05
6667	436823.8	3762747	0.000886875	1.45E-04	6.72E-05
6668	436823.8	3762757	0.000889307	1.45E-04	6.74E-05
6669	436823.8	3762767	0.00089071	1.46E-04	6.75E-05
6670	436823.8	3762776	0.000891178	1.46E-04	6.75E-05
6671	436823.8	3762786	0.00089071	1.46E-04	6.75E-05
6672	436823.8	3762796	0.000889214	1.45E-04	6.74E-05
6673	436823.8	3762806	0.000886969	1.45E-04	6.72E-05
6674	436823.8	3762815	0.000883976	1.44E-04	6.70E-05
6675	436823.8	3762825	0.000880141	1.44E-04	6.67E-05
6676	436823.8	3762835	0.000875558	1.43E-04	6.63E-05
6677	436823.8	3762844	0.000870414	1.42E-04	6.60E-05
6678	436804.9	3762672	0.00079222	1.29E-04	6.00E-05
6679	436808.5	3762663	0.000792501	1.29E-04	6.01E-05
6680	436812.2	3762654	0.000792033	1.29E-04	6.00E-05
6681	436815.9	3762645	0.000790911	1.29E-04	5.99E-05
6682	436819.6	3762636	0.00078904	1.29E-04	5.98E-05
6683	436826.9	3762619	0.000782774	1.28E-04	5.93E-05
6684	436830.6	3762610	0.000778378	1.27E-04	5.90E-05
6685	436834.3	3762601	0.000773607	1.26E-04	5.86E-05
6686	436838	3762592	0.000768931	1.26E-04	5.83E-05
6687	436845.4	3762574	0.00075911	1.24E-04	5.75E-05
6688	436849	3762565	0.000753872	1.23E-04	5.71E-05
6689	436852.7	3762556	0.000748541	1.22E-04	5.67E-05
6690	436856.4	3762547	0.000742929	1.21E-04	5.63E-05
6691	436860.1	3762538	0.00073713	1.20E-04	5.59E-05
6692	436863.8	3762529	0.00073105	1.19E-04	5.54E-05
6693	436867.4	3762520	0.000724877	1.18E-04	5.49E-05
6694	436874.8	3762502	0.000712063	1.16E-04	5.40E-05
6695	436878.5	3762494	0.000705516	1.15E-04	5.35E-05
6696	436882.2	3762485	0.000698969	1.14E-04	5.30E-05
6697	436900.6	3762440	0.00066539	1.09E-04	5.04E-05
6698	436904.3	3762431	0.000658843	1.08E-04	4.99E-05
6699	436911.6	3762413	0.000645842	1.06E-04	4.89E-05
6700	436915.3	3762404	0.000639388	1.04E-04	4.85E-05
6701	436919	3762395	0.000633028	1.03E-04	4.80E-05
6702	436922.7	3762386	0.000626481	1.02E-04	4.75E-05

6703	436930	3762369	0.000612825	1.00E-04	4.64E-05
6704	436933.7	3762360	0.000605342	9.89E-05	4.59E-05
6705	436941.1	3762342	0.000590938	9.65E-05	4.48E-05
6706	436944.8	3762333	0.000583549	9.53E-05	4.42E-05
6707	436948.4	3762324	0.00057588	9.41E-05	4.36E-05
6708	436952.1	3762315	0.000568023	9.28E-05	4.30E-05
6709	436968.4	3762293	0.000556238	9.09E-05	4.21E-05
6710	436995.1	3762282	0.000566246	9.25E-05	4.29E-05
6711	437004	3762278	0.000569052	9.30E-05	4.31E-05
6712	437012.9	3762275	0.000571577	9.34E-05	4.33E-05
6713	437021.8	3762271	0.000573635	9.37E-05	4.35E-05
6714	437030.7	3762267	0.000575412	9.40E-05	4.36E-05
6715	437039.6	3762263	0.000576909	9.42E-05	4.37E-05
6716	437048.5	3762260	0.000578031	9.44E-05	4.38E-05
6717	437057.4	3762256	0.000578779	9.46E-05	4.39E-05
6718	437066.3	3762252	0.000579247	9.46E-05	4.39E-05
6719	437075.3	3762249	0.000579528	9.47E-05	4.39E-05
6720	437084.2	3762245	0.000579434	9.47E-05	4.39E-05
6721	437093.1	3762241	0.00057906	9.46E-05	4.39E-05
6722	437102	3762237	0.000578218	9.45E-05	4.38E-05
6723	437110.9	3762234	0.000577096	9.43E-05	4.37E-05
6724	437119.8	3762230	0.000575599	9.40E-05	4.36E-05
6725	437128.7	3762226	0.000573822	9.37E-05	4.35E-05
6726	437137.6	3762222	0.000571764	9.34E-05	4.33E-05
6727	437146.5	3762219	0.000569332	9.30E-05	4.31E-05
6728	437155.4	3762215	0.00056662	9.26E-05	4.29E-05
6729	437164.3	3762211	0.000563627	9.21E-05	4.27E-05
6730	437173.2	3762207	0.000560353	9.15E-05	4.25E-05
6731	437182.1	3762204	0.000556799	9.10E-05	4.22E-05
6732	437191	3762200	0.000553151	9.04E-05	4.19E-05
6733	437199.9	3762196	0.000549317	8.97E-05	4.16E-05
6734	437208.8	3762192	0.000545388	8.91E-05	4.13E-05
6735	437217.7	3762189	0.000541366	8.84E-05	4.10E-05
6736	437226.6	3762185	0.000537251	8.78E-05	4.07E-05
6737	437235.5	3762181	0.000533042	8.71E-05	4.04E-05
6738	437244.5	3762178	0.000528739	8.64E-05	4.01E-05
6739	437253.4	3762174	0.000524624	8.57E-05	3.98E-05
6740	437262.3	3762170	0.000520696	8.51E-05	3.95E-05
6741	437271.2	3762166	0.000516674	8.44E-05	3.92E-05
6742	437280.1	3762163	0.000512652	8.37E-05	3.88E-05
6743	437289	3762159	0.000508723	8.31E-05	3.85E-05
6744	437297.9	3762155	0.000504795	8.25E-05	3.83E-05
6745	437306.8	3762151	0.00050096	8.18E-05	3.80E-05
6746	437315.7	3762148	0.000497312	8.12E-05	3.77E-05
6747	437324.6	3762144	0.000493758	8.07E-05	3.74E-05
6748	437333.5	3762140	0.000490391	8.01E-05	3.72E-05
6749	437342.4	3762136	0.000487211	7.96E-05	3.69E-05
6750	437351.3	3762133	0.000484124	7.91E-05	3.67E-05
6751	436793.8	3762709	0.000792782	1.30E-04	6.01E-05
6752	436793.8	3762718	0.000797645	1.30E-04	6.04E-05
6753	436793.8	3762728	0.000802041	1.31E-04	6.08E-05
6754	436793.8	3762738	0.000805596	1.32E-04	6.10E-05

6755	436793.8	3762747	0.000808402	1.32E-04	6.13E-05
6756	436793.8	3762757	0.000810085	1.32E-04	6.14E-05
6757	436793.8	3762767	0.000810927	1.32E-04	6.14E-05
6758	436793.8	3762776	0.00081102	1.32E-04	6.15E-05
6759	436793.8	3762786	0.000810459	1.32E-04	6.14E-05
6760	436793.8	3762796	0.000809056	1.32E-04	6.13E-05
6761	436793.8	3762806	0.000806999	1.32E-04	6.12E-05
6762	436793.8	3762815	0.000804286	1.31E-04	6.09E-05
6763	436793.8	3762825	0.000800919	1.31E-04	6.07E-05
6764	436793.8	3762835	0.000796991	1.30E-04	6.04E-05
6765	436793.8	3762844	0.000792595	1.29E-04	6.01E-05
6766	436793.8	3762854	0.000787637	1.29E-04	5.97E-05
6767	436767.4	3762690	0.000725438	1.19E-04	5.50E-05
6768	436771.1	3762681	0.000727215	1.19E-04	5.51E-05
6769	436774.7	3762672	0.000728338	1.19E-04	5.52E-05
6770	436778.3	3762664	0.000728899	1.19E-04	5.52E-05
6771	436782	3762655	0.000728899	1.19E-04	5.52E-05
6772	436785.6	3762646	0.000728244	1.19E-04	5.52E-05
6773	436789.2	3762637	0.000727122	1.19E-04	5.51E-05
6774	436792.9	3762628	0.000725345	1.18E-04	5.50E-05
6775	436796.5	3762620	0.000723006	1.18E-04	5.48E-05
6776	436800.1	3762611	0.000720107	1.18E-04	5.46E-05
6777	436803.8	3762602	0.000716646	1.17E-04	5.43E-05
6778	436807.4	3762593	0.000712531	1.16E-04	5.40E-05
6779	436811	3762584	0.000707948	1.16E-04	5.36E-05
6780	436814.7	3762576	0.000703178	1.15E-04	5.33E-05
6781	436818.3	3762567	0.000698314	1.14E-04	5.29E-05
6782	436821.9	3762558	0.00069345	1.13E-04	5.25E-05
6783	436825.6	3762549	0.000688493	1.12E-04	5.22E-05
6784	436829.2	3762540	0.000683349	1.12E-04	5.18E-05
6785	436832.8	3762532	0.000678485	1.11E-04	5.14E-05
6786	436836.5	3762523	0.000673341	1.10E-04	5.10E-05
6787	436840.1	3762514	0.000668103	1.09E-04	5.06E-05
6788	436843.7	3762505	0.000662584	1.08E-04	5.02E-05
6789	436847.4	3762496	0.000656972	1.07E-04	4.98E-05
6790	436851	3762487	0.00065136	1.06E-04	4.94E-05
6791	436854.6	3762479	0.000645749	1.05E-04	4.89E-05
6792	436858.3	3762470	0.00063995	1.05E-04	4.85E-05
6793	436872.8	3762435	0.00061666	1.01E-04	4.67E-05
6794	436876.4	3762426	0.000610861	9.98E-05	4.63E-05
6795	436880.1	3762417	0.000605062	9.88E-05	4.58E-05
6796	436883.7	3762408	0.000599076	9.79E-05	4.54E-05
6797	436887.3	3762399	0.000593183	9.69E-05	4.49E-05
6798	436891	3762391	0.000587197	9.59E-05	4.45E-05
6799	436894.6	3762382	0.000581866	9.51E-05	4.41E-05
6800	436898.2	3762373	0.000576441	9.42E-05	4.37E-05
6801	436901.9	3762364	0.000568958	9.29E-05	4.31E-05
6802	436905.5	3762355	0.00056344	9.20E-05	4.27E-05
6803	436909.1	3762346	0.000557641	9.11E-05	4.23E-05
6804	436912.8	3762338	0.000551842	9.02E-05	4.18E-05
6805	436916.4	3762329	0.000545949	8.92E-05	4.14E-05
6806	436920	3762320	0.000539683	8.82E-05	4.09E-05

6807	436923.7	3762311	0.000533229	8.71E-05	4.04E-05
6808	436927.3	3762302	0.000526588	8.60E-05	3.99E-05
6809	436930.9	3762294	0.000520134	8.50E-05	3.94E-05
6810	436934.6	3762285	0.000513868	8.39E-05	3.89E-05
6811	436947	3762272	0.000511062	8.35E-05	3.87E-05
6812	436982.1	3762258	0.000522753	8.54E-05	3.96E-05
6813	436990.9	3762254	0.000525092	8.58E-05	3.98E-05
6814	436999.7	3762250	0.000527243	8.61E-05	4.00E-05
6815	437008.5	3762246	0.00052902	8.64E-05	4.01E-05
6816	437017.3	3762243	0.000530516	8.67E-05	4.02E-05
6817	437026.1	3762239	0.000531732	8.69E-05	4.03E-05
6818	437034.9	3762235	0.000532574	8.70E-05	4.04E-05
6819	437043.7	3762232	0.000533229	8.71E-05	4.04E-05
6820	437052.5	3762228	0.000533416	8.71E-05	4.04E-05
6821	437061.2	3762224	0.000533322	8.71E-05	4.04E-05
6822	437070	3762221	0.000532948	8.71E-05	4.04E-05
6823	437078.8	3762217	0.000532481	8.70E-05	4.03E-05
6824	437087.6	3762213	0.000531732	8.69E-05	4.03E-05
6825	437096.4	3762210	0.000530704	8.67E-05	4.02E-05
6826	437105.2	3762206	0.000529301	8.65E-05	4.01E-05
6827	437114	3762202	0.000527617	8.62E-05	4.00E-05
6828	437122.8	3762199	0.000525746	8.59E-05	3.98E-05
6829	437131.5	3762195	0.000523595	8.55E-05	3.97E-05
6830	437140.3	3762191	0.000521163	8.51E-05	3.95E-05
6831	437149.1	3762187	0.000518544	8.47E-05	3.93E-05
6832	437157.9	3762184	0.000515738	8.43E-05	3.91E-05
6833	437166.7	3762180	0.000512745	8.38E-05	3.89E-05
6834	437175.5	3762176	0.000509659	8.33E-05	3.86E-05
6835	437184.3	3762173	0.000506385	8.27E-05	3.84E-05
6836	437193.1	3762169	0.000503018	8.22E-05	3.81E-05
6837	437201.8	3762165	0.000499557	8.16E-05	3.79E-05
6838	437210.6	3762162	0.000496003	8.10E-05	3.76E-05
6839	437219.4	3762158	0.000492355	8.04E-05	3.73E-05
6840	437228.2	3762154	0.000488614	7.98E-05	3.70E-05
6841	437237	3762151	0.000484966	7.92E-05	3.67E-05
6842	437245.8	3762147	0.000481225	7.86E-05	3.65E-05
6843	437254.6	3762143	0.000477577	7.80E-05	3.62E-05
6844	437263.4	3762140	0.000474023	7.74E-05	3.59E-05
6845	437272.1	3762136	0.000470562	7.69E-05	3.57E-05
6846	437280.9	3762132	0.000467101	7.63E-05	3.54E-05
6847	437289.7	3762128	0.000463641	7.57E-05	3.51E-05
6848	437298.5	3762125	0.000460367	7.52E-05	3.49E-05
6849	437307.3	3762121	0.000457187	7.47E-05	3.46E-05
6850	437316.1	3762117	0.0004541	7.42E-05	3.44E-05
6851	437324.9	3762114	0.000451201	7.37E-05	3.42E-05
6852	437333.7	3762110	0.000448395	7.33E-05	3.40E-05
6853	437342.5	3762106	0.000445682	7.28E-05	3.38E-05
6854	437351.2	3762103	0.000443064	7.24E-05	3.36E-05
6855	436763.8	3762699	0.000723006	1.18E-04	5.48E-05
6856	436763.8	3762709	0.000727589	1.19E-04	5.51E-05
6857	436763.8	3762718	0.000731518	1.20E-04	5.54E-05
6858	436763.8	3762728	0.000735072	1.20E-04	5.57E-05

6859	436763.8	3762738	0.000737878	1.21E-04	5.59E-05
6860	436763.8	3762747	0.000739936	1.21E-04	5.61E-05
6861	436763.8	3762757	0.000741152	1.21E-04	5.62E-05
6862	436763.8	3762767	0.000741806	1.21E-04	5.62E-05
6863	436763.8	3762776	0.000741713	1.21E-04	5.62E-05
6864	436763.8	3762786	0.000740965	1.21E-04	5.61E-05
6865	436763.8	3762796	0.000739749	1.21E-04	5.61E-05
6866	436763.8	3762806	0.000737878	1.21E-04	5.59E-05
6867	436763.8	3762815	0.000735446	1.20E-04	5.57E-05
6868	436763.8	3762825	0.000732453	1.20E-04	5.55E-05
6869	436763.8	3762835	0.000729086	1.19E-04	5.52E-05
6870	436763.8	3762844	0.000725158	1.18E-04	5.49E-05
6871	436763.8	3762854	0.000720855	1.18E-04	5.46E-05
6872	436727.5	3762690	0.000652202	1.07E-04	4.94E-05
6873	436731.1	3762681	0.000653979	1.07E-04	4.96E-05
6874	436734.7	3762672	0.000655195	1.07E-04	4.96E-05
6875	436738.4	3762664	0.000655944	1.07E-04	4.97E-05
6876	436742	3762655	0.000656131	1.07E-04	4.97E-05
6877	436745.7	3762646	0.00065585	1.07E-04	4.97E-05
6878	436749.3	3762637	0.000655102	1.07E-04	4.96E-05
6879	436753	3762628	0.000653792	1.07E-04	4.95E-05
6880	436756.6	3762619	0.000652015	1.07E-04	4.94E-05
6881	436760.3	3762610	0.000649864	1.06E-04	4.92E-05
6882	436763.9	3762602	0.000647245	1.06E-04	4.90E-05
6883	436767.6	3762593	0.000644346	1.05E-04	4.88E-05
6884	436771.2	3762584	0.000641072	1.05E-04	4.86E-05
6885	436774.9	3762575	0.000637424	1.04E-04	4.83E-05
6886	436778.5	3762566	0.000633496	1.03E-04	4.80E-05
6887	436782.2	3762557	0.000629287	1.03E-04	4.77E-05
6888	436785.8	3762549	0.000624984	1.02E-04	4.74E-05
6889	436789.5	3762540	0.000620495	1.01E-04	4.70E-05
6890	436793.1	3762531	0.000615912	1.01E-04	4.67E-05
6891	436796.8	3762522	0.000611329	9.99E-05	4.63E-05
6892	436800.4	3762513	0.000606839	9.91E-05	4.60E-05
6893	436804.1	3762504	0.000601975	9.83E-05	4.56E-05
6894	436807.7	3762495	0.000597018	9.75E-05	4.52E-05
6895	436811.3	3762487	0.000592154	9.67E-05	4.49E-05
6896	436815	3762478	0.000587291	9.59E-05	4.45E-05
6897	436818.6	3762469	0.000582614	9.52E-05	4.41E-05
6898	436822.3	3762460	0.000577844	9.44E-05	4.38E-05
6899	436840.5	3762416	0.000553151	9.04E-05	4.19E-05
6900	436844.2	3762407	0.000548007	8.95E-05	4.15E-05
6901	436847.8	3762398	0.000542676	8.87E-05	4.11E-05
6902	436851.5	3762389	0.000537438	8.78E-05	4.07E-05
6903	436855.1	3762380	0.000532574	8.70E-05	4.04E-05
6904	436858.8	3762372	0.000527804	8.62E-05	4.00E-05
6905	436862.4	3762363	0.000520415	8.50E-05	3.94E-05
6906	436866.1	3762354	0.000515832	8.43E-05	3.91E-05
6907	436869.7	3762345	0.000511155	8.35E-05	3.87E-05
6908	436873.4	3762336	0.000506292	8.27E-05	3.84E-05
6909	436877	3762327	0.000501428	8.19E-05	3.80E-05
6910	436880.7	3762319	0.000496845	8.12E-05	3.76E-05

6911	436884.3	3762310	0.000492075	8.04E-05	3.73E-05
6912	436887.9	3762301	0.000487304	7.96E-05	3.69E-05
6913	436891.6	3762292	0.000482441	7.88E-05	3.66E-05
6914	436895.2	3762283	0.000477484	7.80E-05	3.62E-05
6915	436898.9	3762274	0.000472433	7.72E-05	3.58E-05
6916	436902.5	3762265	0.000467288	7.63E-05	3.54E-05
6917	436906.2	3762257	0.000462051	7.55E-05	3.50E-05
6918	436918.7	3762244	0.000459806	7.51E-05	3.48E-05
6919	436953.9	3762229	0.000469533	7.67E-05	3.56E-05
6920	436962.8	3762226	0.000471497	7.70E-05	3.57E-05
6921	436971.6	3762222	0.000473275	7.73E-05	3.59E-05
6922	436980.4	3762218	0.000474771	7.76E-05	3.60E-05
6923	436989.2	3762214	0.000476268	7.78E-05	3.61E-05
6924	436998.1	3762211	0.000477577	7.80E-05	3.62E-05
6925	437006.9	3762207	0.000478606	7.82E-05	3.63E-05
6926	437015.7	3762203	0.000479354	7.83E-05	3.63E-05
6927	437024.5	3762200	0.000479728	7.84E-05	3.64E-05
6928	437033.3	3762196	0.000479915	7.84E-05	3.64E-05
6929	437042.2	3762192	0.000479915	7.84E-05	3.64E-05
6930	437051	3762189	0.000479541	7.83E-05	3.63E-05
6931	437059.8	3762185	0.000478886	7.82E-05	3.63E-05
6932	437068.6	3762181	0.000478045	7.81E-05	3.62E-05
6933	437077.5	3762177	0.000477016	7.79E-05	3.61E-05
6934	437086.3	3762174	0.000475706	7.77E-05	3.60E-05
6935	437095.1	3762170	0.000474303	7.75E-05	3.59E-05
6936	437103.9	3762166	0.000472713	7.72E-05	3.58E-05
6937	437112.7	3762163	0.000470843	7.69E-05	3.57E-05
6938	437121.6	3762159	0.000468785	7.66E-05	3.55E-05
6939	437130.4	3762155	0.00046654	7.62E-05	3.54E-05
6940	437139.2	3762152	0.000464108	7.58E-05	3.52E-05
6941	437148	3762148	0.000461583	7.54E-05	3.50E-05
6942	437156.9	3762144	0.000458871	7.50E-05	3.48E-05
6943	437165.7	3762140	0.000456158	7.45E-05	3.46E-05
6944	437174.5	3762137	0.000453352	7.41E-05	3.44E-05
6945	437183.3	3762133	0.000450453	7.36E-05	3.41E-05
6946	437192.2	3762129	0.00044746	7.31E-05	3.39E-05
6947	437201	3762126	0.000444279	7.26E-05	3.37E-05
6948	437209.8	3762122	0.000441099	7.21E-05	3.34E-05
6949	437218.6	3762118	0.000437919	7.15E-05	3.32E-05
6950	437227.4	3762114	0.000434646	7.10E-05	3.29E-05
6951	437236.3	3762111	0.000431466	7.05E-05	3.27E-05
6952	437245.1	3762107	0.000428192	7.00E-05	3.24E-05
6953	437253.9	3762103	0.000425105	6.94E-05	3.22E-05
6954	437262.7	3762100	0.000422112	6.90E-05	3.20E-05
6955	437271.6	3762096	0.000419119	6.85E-05	3.18E-05
6956	437280.4	3762092	0.00041622	6.80E-05	3.15E-05
6957	437289.2	3762089	0.000413507	6.76E-05	3.13E-05
6958	436723.8	3762699	0.000649677	1.06E-04	4.92E-05
6959	436723.8	3762709	0.000653231	1.07E-04	4.95E-05
6960	436723.8	3762718	0.000656224	1.07E-04	4.97E-05
6961	436723.8	3762728	0.000658656	1.08E-04	4.99E-05
6962	436723.8	3762738	0.000660527	1.08E-04	5.01E-05

6963	436723.8	3762747	0.000661836	1.08E-04	5.02E-05
6964	436723.8	3762757	0.000662584	1.08E-04	5.02E-05
6965	436723.8	3762767	0.000662959	1.08E-04	5.02E-05
6966	436723.8	3762776	0.000662678	1.08E-04	5.02E-05
6967	436723.8	3762786	0.00066193	1.08E-04	5.02E-05
6968	436723.8	3762796	0.000660714	1.08E-04	5.01E-05
6969	436723.8	3762806	0.00065903	1.08E-04	4.99E-05
6970	436723.8	3762815	0.000656972	1.07E-04	4.98E-05
6971	436723.8	3762825	0.000654447	1.07E-04	4.96E-05
6972	436723.8	3762835	0.000651548	1.06E-04	4.94E-05
6973	436723.8	3762844	0.000648367	1.06E-04	4.91E-05
6974	436723.8	3762854	0.000644813	1.05E-04	4.89E-05
6975	436687.5	3762690	0.000589629	9.63E-05	4.47E-05
6976	436691.1	3762681	0.0005915	9.66E-05	4.48E-05
6977	436694.8	3762672	0.000592996	9.69E-05	4.49E-05
6978	436698.4	3762663	0.000594025	9.70E-05	4.50E-05
6979	436702.1	3762655	0.000594586	9.71E-05	4.51E-05
6980	436705.8	3762646	0.00059468	9.71E-05	4.51E-05
6981	436709.4	3762637	0.000594306	9.71E-05	4.50E-05
6982	436713.1	3762628	0.000593464	9.70E-05	4.50E-05
6983	436716.7	3762619	0.000592061	9.67E-05	4.49E-05
6984	436720.4	3762610	0.000590377	9.64E-05	4.47E-05
6985	436724.1	3762601	0.000588226	9.61E-05	4.46E-05
6986	436727.7	3762592	0.000585701	9.57E-05	4.44E-05
6987	436731.4	3762584	0.000582988	9.52E-05	4.42E-05
6988	436735	3762575	0.000579995	9.48E-05	4.39E-05
6989	436738.7	3762566	0.000576815	9.42E-05	4.37E-05
6990	436742.4	3762557	0.000573448	9.37E-05	4.35E-05
6991	436746	3762548	0.000569894	9.31E-05	4.32E-05
6992	436749.7	3762539	0.000566246	9.25E-05	4.29E-05
6993	436753.4	3762530	0.000562318	9.19E-05	4.26E-05
6994	436757	3762521	0.000558296	9.12E-05	4.23E-05
6995	436760.7	3762513	0.00055418	9.05E-05	4.20E-05
6996	436764.3	3762504	0.000549971	8.98E-05	4.17E-05
6997	436768	3762495	0.000545669	8.91E-05	4.13E-05
6998	436771.7	3762486	0.000541366	8.84E-05	4.10E-05
6999	436775.3	3762477	0.000537157	8.78E-05	4.07E-05
7000	436779	3762468	0.000533042	8.71E-05	4.04E-05
7001	436782.6	3762459	0.000528926	8.64E-05	4.01E-05
7002	436786.3	3762450	0.000524811	8.57E-05	3.98E-05
7003	436790	3762442	0.000520789	8.51E-05	3.95E-05
7004	436793.6	3762433	0.000516767	8.44E-05	3.92E-05
7005	436811.9	3762388	0.000496003	8.10E-05	3.76E-05
7006	436815.6	3762379	0.000491888	8.04E-05	3.73E-05
7007	436819.2	3762370	0.000487772	7.97E-05	3.70E-05
7008	436822.9	3762362	0.000483376	7.90E-05	3.66E-05
7009	436826.6	3762353	0.000478886	7.82E-05	3.63E-05
7010	436830.2	3762344	0.000474303	7.75E-05	3.59E-05
7011	436833.9	3762335	0.000469907	7.68E-05	3.56E-05
7012	436837.5	3762326	0.000465605	7.61E-05	3.53E-05
7013	436841.2	3762317	0.000461489	7.54E-05	3.50E-05
7014	436844.9	3762308	0.000457374	7.47E-05	3.47E-05

7015	436848.5	3762299	0.000453165	7.40E-05	3.43E-05
7016	436852.2	3762291	0.000449143	7.34E-05	3.40E-05
7017	436855.8	3762282	0.000445028	7.27E-05	3.37E-05
7018	436859.5	3762273	0.000440912	7.20E-05	3.34E-05
7019	436863.2	3762264	0.000436703	7.13E-05	3.31E-05
7020	436866.8	3762255	0.000432307	7.06E-05	3.28E-05
7021	436870.5	3762246	0.000427911	6.99E-05	3.24E-05
7022	436874.1	3762237	0.000423328	6.92E-05	3.21E-05
7023	436877.8	3762228	0.000418371	6.83E-05	3.17E-05
7024	436890.3	3762216	0.000415471	6.79E-05	3.15E-05
7025	436925.7	3762201	0.000423796	6.92E-05	3.21E-05
7026	436934.6	3762197	0.000425479	6.95E-05	3.22E-05
7027	436943.4	3762194	0.00042707	6.98E-05	3.24E-05
7028	436952.3	3762190	0.000428472	7.00E-05	3.25E-05
7029	436961.1	3762186	0.000429688	7.02E-05	3.26E-05
7030	436970	3762182	0.000430717	7.04E-05	3.26E-05
7031	436978.8	3762179	0.000431653	7.05E-05	3.27E-05
7032	436987.7	3762175	0.000432494	7.07E-05	3.28E-05
7033	436996.6	3762171	0.000433149	7.08E-05	3.28E-05
7034	437005.4	3762168	0.000433617	7.08E-05	3.29E-05
7035	437014.3	3762164	0.00043371	7.09E-05	3.29E-05
7036	437023.1	3762160	0.000433523	7.08E-05	3.29E-05
7037	437032	3762156	0.000433149	7.08E-05	3.28E-05
7038	437120.5	3762119	0.000420709	6.87E-05	3.19E-05
7039	437129.3	3762116	0.000418652	6.84E-05	3.17E-05
7040	437138.2	3762112	0.000416407	6.80E-05	3.16E-05
7041	437147.1	3762108	0.000414069	6.76E-05	3.14E-05
7042	437155.9	3762104	0.000411543	6.72E-05	3.12E-05
7043	437164.8	3762101	0.000409018	6.68E-05	3.10E-05
7044	437173.6	3762097	0.000406399	6.64E-05	3.08E-05
7045	437182.5	3762093	0.000403686	6.59E-05	3.06E-05
7046	437191.3	3762090	0.00040088	6.55E-05	3.04E-05
7047	437200.2	3762086	0.000398074	6.50E-05	3.02E-05
7048	436683.8	3762699	0.000587291	9.59E-05	4.45E-05
7049	436683.8	3762709	0.000590003	9.64E-05	4.47E-05
7050	436683.8	3762718	0.000592248	9.68E-05	4.49E-05
7051	436683.8	3762728	0.000594025	9.70E-05	4.50E-05
7052	436683.8	3762738	0.000595334	9.73E-05	4.51E-05
7053	436683.8	3762747	0.00059627	9.74E-05	4.52E-05
7054	436683.8	3762757	0.000596644	9.75E-05	4.52E-05
7055	436683.8	3762767	0.000596737	9.75E-05	4.52E-05
7056	436683.8	3762776	0.00059627	9.74E-05	4.52E-05
7057	436683.8	3762786	0.000595522	9.73E-05	4.51E-05
7058	436683.8	3762796	0.000594399	9.71E-05	4.50E-05
7059	436683.8	3762806	0.000592996	9.69E-05	4.49E-05
7060	436683.8	3762815	0.000591126	9.66E-05	4.48E-05
7061	436683.8	3762825	0.000589068	9.62E-05	4.46E-05
7062	436683.8	3762835	0.000586636	9.58E-05	4.45E-05
7063	436683.8	3762844	0.00058383	9.54E-05	4.42E-05
7064	436683.8	3762854	0.000580837	9.49E-05	4.40E-05
7065	436647.5	3762690	0.000536409	8.76E-05	4.06E-05
7066	436651.1	3762681	0.00053828	8.79E-05	4.08E-05

7067	436654.8	3762672	0.000539776	8.82E-05	4.09E-05
7068	436658.5	3762663	0.000540899	8.84E-05	4.10E-05
7069	436662.2	3762654	0.000541553	8.85E-05	4.10E-05
7070	436665.8	3762645	0.000541834	8.85E-05	4.11E-05
7071	436669.5	3762637	0.00054174	8.85E-05	4.11E-05
7072	436673.2	3762628	0.000541273	8.84E-05	4.10E-05
7073	436676.8	3762619	0.000540431	8.83E-05	4.10E-05
7074	436680.5	3762610	0.000539121	8.81E-05	4.09E-05
7075	436684.2	3762601	0.000537531	8.78E-05	4.07E-05
7076	436687.9	3762592	0.000535661	8.75E-05	4.06E-05
7077	436691.5	3762583	0.000533416	8.71E-05	4.04E-05
7078	436695.2	3762574	0.000530891	8.67E-05	4.02E-05
7079	436698.9	3762565	0.000528272	8.63E-05	4.00E-05
7080	436702.6	3762556	0.000525372	8.58E-05	3.98E-05
7081	436706.2	3762548	0.000522379	8.53E-05	3.96E-05
7082	436709.9	3762539	0.000519199	8.48E-05	3.93E-05
7083	436713.6	3762530	0.000515832	8.43E-05	3.91E-05
7084	436717.2	3762521	0.000512465	8.37E-05	3.88E-05
7085	436720.9	3762512	0.00050891	8.31E-05	3.86E-05
7086	436724.6	3762503	0.000505356	8.26E-05	3.83E-05
7087	436728.3	3762494	0.000501708	8.20E-05	3.80E-05
7088	436746.6	3762450	0.000483189	7.89E-05	3.66E-05
7089	436750.3	3762441	0.000479541	7.83E-05	3.63E-05
7090	436754	3762432	0.000475987	7.78E-05	3.61E-05
7091	436757.6	3762423	0.000472433	7.72E-05	3.58E-05
7092	436761.3	3762414	0.000469066	7.66E-05	3.55E-05
7093	436765	3762405	0.000465698	7.61E-05	3.53E-05
7094	436790.7	3762343	0.000441754	7.22E-05	3.35E-05
7095	436794.3	3762334	0.000438013	7.16E-05	3.32E-05
7096	436798	3762325	0.000434365	7.10E-05	3.29E-05
7097	436801.7	3762316	0.000430811	7.04E-05	3.26E-05
7098	436805.4	3762307	0.000427257	6.98E-05	3.24E-05
7099	436809	3762298	0.000423609	6.92E-05	3.21E-05
7100	436812.7	3762289	0.000420148	6.86E-05	3.18E-05
7101	436816.4	3762280	0.0004165	6.80E-05	3.16E-05
7102	436820	3762272	0.000412946	6.75E-05	3.13E-05
7103	436823.7	3762263	0.000409111	6.68E-05	3.10E-05
7104	436827.4	3762254	0.000405276	6.62E-05	3.07E-05
7105	436831.1	3762245	0.000401348	6.56E-05	3.04E-05
7106	436834.7	3762236	0.00039742	6.49E-05	3.01E-05
7107	436838.4	3762227	0.000393398	6.43E-05	2.98E-05
7108	436842.1	3762218	0.000389189	6.36E-05	2.95E-05
7109	436845.7	3762209	0.00038498	6.29E-05	2.92E-05
7110	436849.4	3762200	0.000380397	6.21E-05	2.88E-05
7111	436862	3762188	0.000377404	6.17E-05	2.86E-05
7112	436897.5	3762173	0.000384886	6.29E-05	2.92E-05
7113	436906.4	3762169	0.000386757	6.32E-05	2.93E-05
7114	436915.3	3762165	0.000388534	6.35E-05	2.94E-05
7115	436924.1	3762162	0.000390124	6.37E-05	2.96E-05
7116	436933	3762158	0.00039134	6.39E-05	2.97E-05
7117	436941.9	3762154	0.000392369	6.41E-05	2.97E-05
7118	436950.8	3762150	0.000393211	6.42E-05	2.98E-05

7119	436959.7	3762147	0.000393678	6.43E-05	2.98E-05
7120	436968.5	3762143	0.000393865	6.43E-05	2.98E-05
7121	436977.4	3762139	0.000393865	6.43E-05	2.98E-05
7122	436986.3	3762135	0.000393959	6.44E-05	2.99E-05
7123	436995.2	3762132	0.000394053	6.44E-05	2.99E-05
7124	437004.1	3762128	0.000393959	6.44E-05	2.99E-05
7125	437012.9	3762124	0.000393678	6.43E-05	2.98E-05
7126	437021.8	3762121	0.000393491	6.43E-05	2.98E-05
7127	436643.8	3762699	0.000534071	8.72E-05	4.05E-05
7128	436643.8	3762709	0.000536222	8.76E-05	4.06E-05
7129	436643.8	3762718	0.000537906	8.79E-05	4.08E-05
7130	436643.8	3762728	0.000539215	8.81E-05	4.09E-05
7131	436643.8	3762738	0.000540057	8.82E-05	4.09E-05
7132	436643.8	3762747	0.000540524	8.83E-05	4.10E-05
7133	436643.8	3762757	0.000540712	8.83E-05	4.10E-05
7134	436643.8	3762767	0.000540524	8.83E-05	4.10E-05
7135	436643.8	3762776	0.000540057	8.82E-05	4.09E-05
7136	436643.8	3762786	0.000539309	8.81E-05	4.09E-05
7137	436643.8	3762796	0.000538186	8.79E-05	4.08E-05
7138	436643.8	3762806	0.000536877	8.77E-05	4.07E-05
7139	436643.8	3762815	0.000535287	8.74E-05	4.06E-05
7140	436643.8	3762825	0.000533416	8.71E-05	4.04E-05
7141	436643.8	3762835	0.000531265	8.68E-05	4.03E-05
7142	436643.8	3762844	0.00052902	8.64E-05	4.01E-05
7143	436643.8	3762854	0.000526495	8.60E-05	3.99E-05
7144	436607.5	3762690	0.00049011	8.01E-05	3.71E-05
7145	436611.2	3762681	0.000491888	8.04E-05	3.73E-05
7146	436614.9	3762672	0.000493478	8.06E-05	3.74E-05
7147	436618.5	3762663	0.000494694	8.08E-05	3.75E-05
7148	436622.2	3762654	0.000495535	8.10E-05	3.75E-05
7149	436625.9	3762645	0.000496003	8.10E-05	3.76E-05
7150	436629.6	3762636	0.000496096	8.10E-05	3.76E-05
7151	436633.3	3762627	0.000495909	8.10E-05	3.76E-05
7152	436636.9	3762619	0.000495348	8.09E-05	3.75E-05
7153	436640.6	3762610	0.000494506	8.08E-05	3.75E-05
7154	436644.3	3762601	0.000493291	8.06E-05	3.74E-05
7155	436648	3762592	0.000491888	8.04E-05	3.73E-05
7156	436651.7	3762583	0.000490204	8.01E-05	3.71E-05
7157	436655.4	3762574	0.000488146	7.97E-05	3.70E-05
7158	436659	3762565	0.000485995	7.94E-05	3.68E-05
7159	436662.7	3762556	0.000483657	7.90E-05	3.66E-05
7160	436666.4	3762547	0.000481038	7.86E-05	3.65E-05
7161	436670.1	3762538	0.000478325	7.81E-05	3.62E-05
7162	436673.8	3762529	0.000475519	7.77E-05	3.60E-05
7163	436677.4	3762520	0.000472526	7.72E-05	3.58E-05
7164	436681.1	3762511	0.000469533	7.67E-05	3.56E-05
7165	436684.8	3762502	0.000466353	7.62E-05	3.53E-05
7166	436688.5	3762494	0.000463173	7.57E-05	3.51E-05
7167	436706.9	3762449	0.000446337	7.29E-05	3.38E-05
7168	436710.6	3762440	0.00044297	7.24E-05	3.36E-05
7169	436714.3	3762431	0.00043979	7.18E-05	3.33E-05
7170	436717.9	3762422	0.00043661	7.13E-05	3.31E-05

7171	436721.6	3762413	0.000433617	7.08E-05	3.29E-05
7172	436725.3	3762404	0.000430811	7.04E-05	3.26E-05
7173	436729	3762395	0.000428005	6.99E-05	3.24E-05
7174	436732.7	3762386	0.000425105	6.94E-05	3.22E-05
7175	436736.4	3762377	0.000422206	6.90E-05	3.20E-05
7176	436754.8	3762333	0.000407241	6.65E-05	3.09E-05
7177	436795.3	3762235	0.000374037	6.11E-05	2.83E-05
7178	436798.9	3762226	0.000370763	6.06E-05	2.81E-05
7179	436802.6	3762217	0.000367302	6.00E-05	2.78E-05
7180	436806.3	3762208	0.000363748	5.94E-05	2.76E-05
7181	436810	3762199	0.0003601	5.88E-05	2.73E-05
7182	436813.7	3762190	0.000356359	5.82E-05	2.70E-05
7183	436817.4	3762181	0.000352524	5.76E-05	2.67E-05
7184	436821	3762172	0.000348783	5.70E-05	2.64E-05
7185	436833.6	3762159	0.000346632	5.66E-05	2.63E-05
7186	436860.3	3762148	0.000351121	5.74E-05	2.66E-05
7187	436869.2	3762145	0.000352711	5.76E-05	2.67E-05
7188	436878.1	3762141	0.000354208	5.79E-05	2.68E-05
7189	436887.1	3762137	0.000355611	5.81E-05	2.69E-05
7190	436896	3762133	0.000357107	5.83E-05	2.71E-05
7191	436904.9	3762130	0.000358323	5.85E-05	2.72E-05
7192	436913.8	3762126	0.000359352	5.87E-05	2.72E-05
7193	436922.7	3762122	0.000360194	5.88E-05	2.73E-05
7194	436931.6	3762118	0.000360661	5.89E-05	2.73E-05
7195	436940.5	3762115	0.000361036	5.90E-05	2.74E-05
7196	436949.4	3762111	0.000361223	5.90E-05	2.74E-05
7197	436958.3	3762107	0.000361223	5.90E-05	2.74E-05
7198	436967.2	3762103	0.000361036	5.90E-05	2.74E-05
7199	436976.1	3762100	0.000360661	5.89E-05	2.73E-05
7200	436985	3762096	0.000360474	5.89E-05	2.73E-05
7201	436993.9	3762092	0.000360381	5.89E-05	2.73E-05
7202	437261.1	3761980	0.000312212	5.10E-05	2.37E-05
7203	437270	3761976	0.000310341	5.07E-05	2.35E-05
7204	437278.9	3761973	0.00030847	5.04E-05	2.34E-05
7205	437287.8	3761969	0.00030688	5.01E-05	2.33E-05
7206	437296.7	3761965	0.00030529	4.99E-05	2.31E-05
7207	437305.6	3761961	0.000303887	4.96E-05	2.30E-05
7208	437314.5	3761958	0.000302578	4.94E-05	2.29E-05
7209	437323.4	3761954	0.000301455	4.92E-05	2.28E-05
7210	437332.3	3761950	0.000300333	4.91E-05	2.28E-05
7211	437341.2	3761946	0.000299304	4.89E-05	2.27E-05
7212	437350.1	3761943	0.000298275	4.87E-05	2.26E-05
7213	436603.8	3762699	0.000487959	7.97E-05	3.70E-05
7214	436603.8	3762709	0.000489549	8.00E-05	3.71E-05
7215	436603.8	3762718	0.000490859	8.02E-05	3.72E-05
7216	436603.8	3762728	0.000491794	8.03E-05	3.73E-05
7217	436603.8	3762738	0.000492449	8.04E-05	3.73E-05
7218	436603.8	3762747	0.000492823	8.05E-05	3.73E-05
7219	436603.8	3762757	0.000492823	8.05E-05	3.73E-05
7220	436603.8	3762767	0.000492542	8.05E-05	3.73E-05
7221	436603.8	3762776	0.000491981	8.04E-05	3.73E-05
7222	436603.8	3762786	0.000491139	8.02E-05	3.72E-05

7223	436603.8	3762796	0.000490017	8.01E-05	3.71E-05
7224	436603.8	3762806	0.000488707	7.98E-05	3.70E-05
7225	436603.8	3762815	0.000487304	7.96E-05	3.69E-05
7226	436603.8	3762825	0.000485621	7.93E-05	3.68E-05
7227	436603.8	3762835	0.000483844	7.90E-05	3.67E-05
7228	436603.8	3762844	0.00048188	7.87E-05	3.65E-05
7229	436603.8	3762854	0.000479822	7.84E-05	3.64E-05
7230	436574.9	3762672	0.000453259	7.40E-05	3.43E-05
7231	436578.6	3762663	0.000454381	7.42E-05	3.44E-05
7232	436582.3	3762654	0.000455316	7.44E-05	3.45E-05
7233	436586	3762645	0.000455878	7.45E-05	3.45E-05
7234	436589.6	3762636	0.000456065	7.45E-05	3.46E-05
7235	436593.3	3762627	0.000456065	7.45E-05	3.46E-05
7236	436597	3762618	0.000455784	7.45E-05	3.45E-05
7237	436600.7	3762609	0.000455129	7.44E-05	3.45E-05
7238	436604.4	3762600	0.000454194	7.42E-05	3.44E-05
7239	436608.1	3762592	0.000453072	7.40E-05	3.43E-05
7240	436611.8	3762583	0.000451669	7.38E-05	3.42E-05
7241	436615.5	3762574	0.000449985	7.35E-05	3.41E-05
7242	436619.2	3762565	0.000448208	7.32E-05	3.40E-05
7243	436622.9	3762556	0.000446337	7.29E-05	3.38E-05
7244	436626.6	3762547	0.000444279	7.26E-05	3.37E-05
7245	436630.2	3762538	0.000442128	7.22E-05	3.35E-05
7246	436633.9	3762529	0.000439883	7.19E-05	3.33E-05
7247	436637.6	3762520	0.000437452	7.15E-05	3.31E-05
7248	436641.3	3762511	0.000434833	7.10E-05	3.29E-05
7249	436645	3762502	0.00043212	7.06E-05	3.27E-05
7250	436648.7	3762493	0.000429408	7.02E-05	3.25E-05
7251	436652.4	3762484	0.000426508	6.97E-05	3.23E-05
7252	436667.2	3762448	0.000414443	6.77E-05	3.14E-05
7253	436670.8	3762439	0.00041145	6.72E-05	3.12E-05
7254	436674.5	3762430	0.000408457	6.67E-05	3.10E-05
7255	436678.2	3762421	0.000405463	6.62E-05	3.07E-05
7256	436681.9	3762412	0.000402845	6.58E-05	3.05E-05
7257	436685.6	3762404	0.000400319	6.54E-05	3.03E-05
7258	436689.3	3762395	0.000397794	6.50E-05	3.01E-05
7259	436693	3762386	0.000395175	6.46E-05	2.99E-05
7260	436707.8	3762350	0.00038526	6.29E-05	2.92E-05
7261	436711.4	3762341	0.000382642	6.25E-05	2.90E-05
7262	436715.1	3762332	0.000379929	6.21E-05	2.88E-05
7263	436718.8	3762323	0.000377217	6.16E-05	2.86E-05
7264	436722.5	3762314	0.000374598	6.12E-05	2.84E-05
7265	436726.2	3762305	0.000371885	6.08E-05	2.82E-05
7266	436729.9	3762296	0.00036936	6.03E-05	2.80E-05
7267	436733.6	3762287	0.000366835	5.99E-05	2.78E-05
7268	436737.3	3762278	0.000364309	5.95E-05	2.76E-05
7269	436741	3762269	0.00036169	5.91E-05	2.74E-05
7270	436744.7	3762260	0.000358978	5.86E-05	2.72E-05
7271	436748.4	3762251	0.000356265	5.82E-05	2.70E-05
7272	436792.7	3762144	0.000321191	5.25E-05	2.43E-05
7273	436805.3	3762131	0.000319601	5.22E-05	2.42E-05
7274	436832.1	3762120	0.00032409	5.29E-05	2.46E-05

7275	436841	3762116	0.0003254	5.32E-05	2.47E-05
7276	436849.9	3762113	0.000326616	5.34E-05	2.47E-05
7277	436858.8	3762109	0.000327832	5.36E-05	2.48E-05
7278	436867.8	3762105	0.000328954	5.37E-05	2.49E-05
7279	436876.7	3762101	0.000330076	5.39E-05	2.50E-05
7280	436885.6	3762098	0.000331012	5.41E-05	2.51E-05
7281	437162.4	3761981	0.00030501	4.98E-05	2.31E-05
7282	437171.3	3761978	0.000303232	4.95E-05	2.30E-05
7283	437180.2	3761974	0.000301362	4.92E-05	2.28E-05
7284	437189.1	3761970	0.000299585	4.89E-05	2.27E-05
7285	437198.1	3761966	0.000297808	4.87E-05	2.26E-05
7286	437207	3761963	0.00029603	4.84E-05	2.24E-05
7287	437215.9	3761959	0.000294347	4.81E-05	2.23E-05
7288	437224.9	3761955	0.00029257	4.78E-05	2.22E-05
7289	437233.8	3761951	0.000290793	4.75E-05	2.20E-05
7290	437242.7	3761948	0.000289109	4.72E-05	2.19E-05
7291	437251.6	3761944	0.000287519	4.70E-05	2.18E-05
7292	437260.6	3761940	0.000286022	4.67E-05	2.17E-05
7293	437269.5	3761936	0.000284526	4.65E-05	2.16E-05
7294	437278.4	3761933	0.000283216	4.63E-05	2.15E-05
7295	437287.3	3761929	0.000281907	4.61E-05	2.14E-05
7296	437296.3	3761925	0.000280691	4.59E-05	2.13E-05
7297	437305.2	3761921	0.000279475	4.57E-05	2.12E-05
7298	437314.1	3761918	0.000278446	4.55E-05	2.11E-05
7299	437323.1	3761914	0.000277511	4.53E-05	2.10E-05
7300	437332	3761910	0.000276669	4.52E-05	2.10E-05
7301	437340.9	3761906	0.000275921	4.51E-05	2.09E-05
7302	437349.8	3761903	0.000275079	4.49E-05	2.08E-05
7303	436527.4	3762690	0.000415097	6.78E-05	3.15E-05
7304	436531.1	3762681	0.000416781	6.81E-05	3.16E-05
7305	436534.7	3762672	0.000418277	6.83E-05	3.17E-05
7306	436538.4	3762664	0.000419493	6.85E-05	3.18E-05
7307	436542	3762655	0.000420429	6.87E-05	3.19E-05
7308	436545.7	3762646	0.000421083	6.88E-05	3.19E-05
7309	436549.3	3762637	0.000421551	6.89E-05	3.19E-05
7310	436574.8	3762575	0.000417623	6.82E-05	3.16E-05
7311	436578.5	3762566	0.000416126	6.80E-05	3.15E-05
7312	436582.1	3762558	0.000414536	6.77E-05	3.14E-05
7313	436585.8	3762549	0.000412853	6.74E-05	3.13E-05
7314	436589.4	3762540	0.000410888	6.71E-05	3.11E-05
7315	436593	3762531	0.000409018	6.68E-05	3.10E-05
7316	436596.7	3762522	0.00040696	6.65E-05	3.08E-05
7317	436600.3	3762513	0.000404809	6.61E-05	3.07E-05
7318	436604	3762504	0.000402564	6.58E-05	3.05E-05
7319	436607.6	3762496	0.000400226	6.54E-05	3.03E-05
7320	436611.3	3762487	0.000397887	6.50E-05	3.02E-05
7321	436629.5	3762443	0.00038526	6.29E-05	2.92E-05
7322	436633.1	3762434	0.000382642	6.25E-05	2.90E-05
7323	436636.8	3762425	0.000379929	6.21E-05	2.88E-05
7324	436640.4	3762416	0.000377404	6.17E-05	2.86E-05
7325	436644.1	3762407	0.000374972	6.13E-05	2.84E-05
7326	436647.7	3762398	0.000372634	6.09E-05	2.82E-05

7327	436651.4	3762390	0.000370295	6.05E-05	2.81E-05
7328	436665.9	3762354	0.000361129	5.90E-05	2.74E-05
7329	436669.6	3762345	0.000358884	5.86E-05	2.72E-05
7330	436673.2	3762337	0.00035664	5.83E-05	2.70E-05
7331	436676.9	3762328	0.000354488	5.79E-05	2.69E-05
7332	436680.5	3762319	0.000352243	5.75E-05	2.67E-05
7333	436684.2	3762310	0.000349905	5.72E-05	2.65E-05
7334	436687.8	3762301	0.000347473	5.68E-05	2.63E-05
7335	436691.4	3762292	0.000345229	5.64E-05	2.62E-05
7336	436695.1	3762284	0.000342984	5.60E-05	2.60E-05
7337	436698.7	3762275	0.000340645	5.56E-05	2.58E-05
7338	436702.4	3762266	0.000338307	5.53E-05	2.56E-05
7339	436706	3762257	0.000335875	5.49E-05	2.55E-05
7340	436709.7	3762248	0.00033335	5.45E-05	2.53E-05
7341	436713.3	3762239	0.000331012	5.41E-05	2.51E-05
7342	436716.9	3762231	0.00032886	5.37E-05	2.49E-05
7343	436720.6	3762222	0.000326709	5.34E-05	2.48E-05
7344	436724.2	3762213	0.000324558	5.30E-05	2.46E-05
7345	436727.9	3762204	0.000322313	5.27E-05	2.44E-05
7346	436731.5	3762195	0.000319975	5.23E-05	2.42E-05
7347	437067.6	3761981	0.000296405	4.84E-05	2.25E-05
7348	437076.5	3761977	0.000295095	4.82E-05	2.24E-05
7349	437085.3	3761974	0.000293692	4.80E-05	2.23E-05
7350	437094.1	3761970	0.000292196	4.77E-05	2.21E-05
7351	437102.9	3761966	0.000290606	4.75E-05	2.20E-05
7352	437111.7	3761963	0.000288922	4.72E-05	2.19E-05
7353	437120.5	3761959	0.000287238	4.69E-05	2.18E-05
7354	437129.3	3761955	0.000285555	4.66E-05	2.16E-05
7355	437138.2	3761951	0.000283965	4.64E-05	2.15E-05
7356	437147	3761948	0.000282375	4.61E-05	2.14E-05
7357	437155.8	3761944	0.000280785	4.59E-05	2.13E-05
7358	437164.6	3761940	0.000279195	4.56E-05	2.12E-05
7359	437173.4	3761937	0.000277698	4.54E-05	2.10E-05
7360	437182.2	3761933	0.000276108	4.51E-05	2.09E-05
7361	437191	3761929	0.000274518	4.48E-05	2.08E-05
7362	437199.9	3761926	0.000273021	4.46E-05	2.07E-05
7363	437208.7	3761922	0.000271431	4.43E-05	2.06E-05
7364	437217.5	3761918	0.000270028	4.41E-05	2.05E-05
7365	437226.3	3761914	0.000268532	4.39E-05	2.03E-05
7366	437235.1	3761911	0.000267129	4.36E-05	2.02E-05
7367	437243.9	3761907	0.000265726	4.34E-05	2.01E-05
7368	437252.7	3761903	0.00026451	4.32E-05	2.00E-05
7369	437261.6	3761900	0.000263294	4.30E-05	2.00E-05
7370	437270.4	3761896	0.000262172	4.28E-05	1.99E-05
7371	437279.2	3761892	0.000261143	4.27E-05	1.98E-05
7372	436523.8	3762699	0.000413227	6.75E-05	3.13E-05
7373	436523.8	3762709	0.000414162	6.77E-05	3.14E-05
7374	436523.8	3762718	0.000414817	6.78E-05	3.14E-05
7375	436523.8	3762728	0.000415284	6.78E-05	3.15E-05
7376	436523.8	3762738	0.000415565	6.79E-05	3.15E-05
7377	436523.8	3762747	0.000415659	6.79E-05	3.15E-05
7378	436523.8	3762757	0.000415471	6.79E-05	3.15E-05

7379	436523.8	3762767	0.000415004	6.78E-05	3.14E-05
7380	436523.8	3762776	0.000414443	6.77E-05	3.14E-05
7381	436523.8	3762786	0.000413601	6.76E-05	3.13E-05
7382	436523.8	3762796	0.000412759	6.74E-05	3.13E-05
7383	436523.8	3762806	0.000411637	6.72E-05	3.12E-05
7384	436523.8	3762815	0.000410421	6.70E-05	3.11E-05
7385	436523.8	3762825	0.000409111	6.68E-05	3.10E-05
7386	436523.8	3762835	0.000407615	6.66E-05	3.09E-05
7387	436523.8	3762844	0.000406118	6.63E-05	3.08E-05
7388	436523.8	3762854	0.000404528	6.61E-05	3.07E-05
7389	436487.5	3762690	0.000384419	6.28E-05	2.91E-05
7390	436491.1	3762681	0.000386009	6.31E-05	2.93E-05
7391	436494.8	3762672	0.000387412	6.33E-05	2.94E-05
7392	436498.4	3762663	0.000388534	6.35E-05	2.94E-05
7393	436502.1	3762655	0.000389563	6.36E-05	2.95E-05
7394	436505.7	3762646	0.000390311	6.38E-05	2.96E-05
7395	436509.4	3762637	0.000390872	6.39E-05	2.96E-05
7396	436513	3762628	0.000391153	6.39E-05	2.96E-05
7397	436516.7	3762619	0.00039134	6.39E-05	2.97E-05
7398	436520.3	3762610	0.000391247	6.39E-05	2.96E-05
7399	436524	3762601	0.000390872	6.39E-05	2.96E-05
7400	436527.7	3762593	0.000390405	6.38E-05	2.96E-05
7401	436531.3	3762584	0.00038975	6.37E-05	2.95E-05
7402	436535	3762575	0.000388815	6.35E-05	2.95E-05
7403	436538.6	3762566	0.000387692	6.33E-05	2.94E-05
7404	436542.3	3762557	0.000386383	6.31E-05	2.93E-05
7405	436545.9	3762548	0.00038498	6.29E-05	2.92E-05
7406	436549.6	3762539	0.000383296	6.26E-05	2.90E-05
7407	436589.8	3762442	0.0003601	5.88E-05	2.73E-05
7408	436593.4	3762433	0.000357762	5.84E-05	2.71E-05
7409	436597.1	3762424	0.000355424	5.81E-05	2.69E-05
7410	436600.7	3762415	0.000353179	5.77E-05	2.68E-05
7411	436604.4	3762406	0.000351028	5.73E-05	2.66E-05
7412	436608	3762398	0.000348876	5.70E-05	2.64E-05
7413	436611.7	3762389	0.000346725	5.66E-05	2.63E-05
7414	436626.3	3762353	0.000338027	5.52E-05	2.56E-05
7415	436630	3762344	0.000335875	5.49E-05	2.55E-05
7416	436633.6	3762336	0.000333724	5.45E-05	2.53E-05
7417	436637.3	3762327	0.000331666	5.42E-05	2.51E-05
7418	436640.9	3762318	0.000329609	5.38E-05	2.50E-05
7419	436644.6	3762309	0.000327644	5.35E-05	2.48E-05
7420	436648.2	3762300	0.00032568	5.32E-05	2.47E-05
7421	436651.9	3762291	0.000323716	5.29E-05	2.45E-05
7422	436655.6	3762282	0.000321752	5.26E-05	2.44E-05
7423	436659.2	3762274	0.000319881	5.23E-05	2.42E-05
7424	436662.9	3762265	0.000317824	5.19E-05	2.41E-05
7425	436666.5	3762256	0.000315766	5.16E-05	2.39E-05
7426	436670.2	3762247	0.000313615	5.12E-05	2.38E-05
7427	436673.8	3762238	0.000311463	5.09E-05	2.36E-05
7428	436677.5	3762229	0.000309406	5.05E-05	2.34E-05
7429	436681.1	3762220	0.000307441	5.02E-05	2.33E-05
7430	436684.8	3762212	0.000305384	4.99E-05	2.31E-05

7431	436688.4	3762203	0.000303513	4.96E-05	2.30E-05
7432	436978.2	3761978	0.000281907	4.61E-05	2.14E-05
7433	436987.1	3761975	0.000281159	4.59E-05	2.13E-05
7434	436995.9	3761971	0.000280504	4.58E-05	2.13E-05
7435	437004.7	3761967	0.000279849	4.57E-05	2.12E-05
7436	437013.6	3761964	0.000279195	4.56E-05	2.12E-05
7437	437022.4	3761960	0.00027854	4.55E-05	2.11E-05
7438	437031.3	3761956	0.000277698	4.54E-05	2.10E-05
7439	437040.1	3761952	0.000276856	4.52E-05	2.10E-05
7440	437048.9	3761949	0.000275734	4.50E-05	2.09E-05
7441	437057.8	3761945	0.000274612	4.49E-05	2.08E-05
7442	437066.6	3761941	0.000273396	4.47E-05	2.07E-05
7443	437075.4	3761938	0.000271993	4.44E-05	2.06E-05
7444	437084.3	3761934	0.000270496	4.42E-05	2.05E-05
7445	437093.1	3761930	0.000269	4.39E-05	2.04E-05
7446	437102	3761927	0.000267503	4.37E-05	2.03E-05
7447	437110.8	3761923	0.0002661	4.35E-05	2.02E-05
7448	437119.6	3761919	0.000264604	4.32E-05	2.01E-05
7449	437128.5	3761915	0.000263201	4.30E-05	1.99E-05
7450	437137.3	3761912	0.000261798	4.28E-05	1.98E-05
7451	437146.1	3761908	0.000260395	4.25E-05	1.97E-05
7452	437155	3761904	0.000258898	4.23E-05	1.96E-05
7453	437163.8	3761901	0.000257495	4.21E-05	1.95E-05
7454	437172.7	3761897	0.000255999	4.18E-05	1.94E-05
7455	437181.5	3761893	0.000254596	4.16E-05	1.93E-05
7456	437190.3	3761889	0.000253286	4.14E-05	1.92E-05
7457	436483.8	3762699	0.000382642	6.25E-05	2.90E-05
7458	436483.8	3762709	0.00038339	6.26E-05	2.91E-05
7459	436483.8	3762718	0.000383951	6.27E-05	2.91E-05
7460	436483.8	3762728	0.000384138	6.28E-05	2.91E-05
7461	436483.8	3762738	0.000384232	6.28E-05	2.91E-05
7462	436483.8	3762747	0.000384138	6.28E-05	2.91E-05
7463	436483.8	3762757	0.000383857	6.27E-05	2.91E-05
7464	436483.8	3762767	0.00038339	6.26E-05	2.91E-05
7465	436483.8	3762776	0.000382829	6.25E-05	2.90E-05
7466	436483.8	3762786	0.00038208	6.24E-05	2.90E-05
7467	436483.8	3762796	0.000381239	6.23E-05	2.89E-05
7468	436483.8	3762806	0.000380303	6.21E-05	2.88E-05
7469	436483.8	3762815	0.000379274	6.20E-05	2.87E-05
7470	436483.8	3762825	0.000378058	6.18E-05	2.86E-05
7471	436483.8	3762835	0.000376843	6.16E-05	2.86E-05
7472	436483.8	3762844	0.00037544	6.13E-05	2.84E-05
7473	436483.8	3762854	0.000374037	6.11E-05	2.83E-05
7474	436447.5	3762690	0.000357294	5.84E-05	2.71E-05
7475	436451.1	3762681	0.000358791	5.86E-05	2.72E-05
7476	436454.8	3762672	0.0003601	5.88E-05	2.73E-05
7477	436458.5	3762663	0.000361316	5.90E-05	2.74E-05
7478	436462.1	3762654	0.000362251	5.92E-05	2.74E-05
7479	436465.8	3762646	0.000363	5.93E-05	2.75E-05
7480	436469.4	3762637	0.000363654	5.94E-05	2.76E-05
7481	436473.1	3762628	0.000364029	5.95E-05	2.76E-05
7482	436476.8	3762619	0.000364309	5.95E-05	2.76E-05

7483	436480.4	3762610	0.000364403	5.95E-05	2.76E-05
7484	436484.1	3762601	0.000364309	5.95E-05	2.76E-05
7485	436487.8	3762592	0.000363935	5.95E-05	2.76E-05
7486	436491.4	3762583	0.000363467	5.94E-05	2.75E-05
7487	436495.1	3762575	0.000362813	5.93E-05	2.75E-05
7488	436498.8	3762566	0.000361971	5.91E-05	2.74E-05
7489	436502.4	3762557	0.000360942	5.90E-05	2.74E-05
7490	436506.1	3762548	0.00035982	5.88E-05	2.73E-05
7491	436509.7	3762539	0.00035851	5.86E-05	2.72E-05
7492	436513.4	3762530	0.000357014	5.83E-05	2.71E-05
7493	436517.1	3762521	0.000355424	5.81E-05	2.69E-05
7494	436520.7	3762512	0.00035374	5.78E-05	2.68E-05
7495	436524.4	3762503	0.000351869	5.75E-05	2.67E-05
7496	436528.1	3762495	0.000349905	5.72E-05	2.65E-05
7497	436531.7	3762486	0.000347754	5.68E-05	2.64E-05
7498	436535.4	3762477	0.000345696	5.65E-05	2.62E-05
7499	436539	3762468	0.000343545	5.61E-05	2.60E-05
7500	436542.7	3762459	0.000341487	5.58E-05	2.59E-05
7501	436546.4	3762450	0.000339336	5.54E-05	2.57E-05
7502	436583	3762361	0.000319133	5.21E-05	2.42E-05
7503	436586.7	3762352	0.000317169	5.18E-05	2.40E-05
7504	436590.3	3762344	0.000315205	5.15E-05	2.39E-05
7505	436594	3762335	0.00031324	5.12E-05	2.37E-05
7506	436597.7	3762326	0.00031137	5.09E-05	2.36E-05
7507	436601.3	3762317	0.000309499	5.06E-05	2.35E-05
7508	436605	3762308	0.000307722	5.03E-05	2.33E-05
7509	436608.7	3762299	0.000305851	5.00E-05	2.32E-05
7510	436612.3	3762290	0.000304074	4.97E-05	2.30E-05
7511	436616	3762281	0.000302391	4.94E-05	2.29E-05
7512	436619.6	3762273	0.000300614	4.91E-05	2.28E-05
7513	436623.3	3762264	0.00029893	4.88E-05	2.27E-05
7514	436627	3762255	0.000297246	4.86E-05	2.25E-05
7515	436630.6	3762246	0.000295563	4.83E-05	2.24E-05
7516	436634.3	3762237	0.000293786	4.80E-05	2.23E-05
7517	436638	3762228	0.000292196	4.77E-05	2.21E-05
7518	436641.6	3762219	0.000290512	4.75E-05	2.20E-05
7519	436645.3	3762210	0.000288735	4.72E-05	2.19E-05
7520	436648.9	3762201	0.000286958	4.69E-05	2.17E-05
7521	436652.6	3762193	0.000285274	4.66E-05	2.16E-05
7522	436656.3	3762184	0.000283591	4.63E-05	2.15E-05
7523	436659.9	3762175	0.000281814	4.60E-05	2.14E-05
7524	436663.6	3762166	0.000280036	4.57E-05	2.12E-05
7525	436667.3	3762157	0.000278259	4.55E-05	2.11E-05
7526	436670.9	3762148	0.000276482	4.52E-05	2.10E-05
7527	436674.6	3762139	0.000274705	4.49E-05	2.08E-05
7528	436678.3	3762130	0.000272834	4.46E-05	2.07E-05
7529	436879.6	3761980	0.000266474	4.35E-05	2.02E-05
7530	436888.4	3761976	0.000266568	4.35E-05	2.02E-05
7531	436897.3	3761972	0.000266661	4.36E-05	2.02E-05
7532	436906.1	3761969	0.000266568	4.35E-05	2.02E-05
7533	436915	3761965	0.000266474	4.35E-05	2.02E-05
7534	436923.9	3761961	0.0002661	4.35E-05	2.02E-05

7535	436932.7	3761957	0.000265539	4.34E-05	2.01E-05
7536	436941.6	3761954	0.000264978	4.33E-05	2.01E-05
7537	436950.4	3761950	0.000264323	4.32E-05	2.00E-05
7538	436959.3	3761946	0.000263762	4.31E-05	2.00E-05
7539	436968.2	3761943	0.000263294	4.30E-05	2.00E-05
7540	436977	3761939	0.000262639	4.29E-05	1.99E-05
7541	436985.9	3761935	0.000261985	4.28E-05	1.99E-05
7542	436994.7	3761931	0.000261143	4.27E-05	1.98E-05
7543	437003.6	3761928	0.000260301	4.25E-05	1.97E-05
7544	437012.5	3761924	0.000259366	4.24E-05	1.97E-05
7545	437021.3	3761920	0.00025843	4.22E-05	1.96E-05
7546	437030.2	3761917	0.000257402	4.21E-05	1.95E-05
7547	437039	3761913	0.000256373	4.19E-05	1.94E-05
7548	437047.9	3761909	0.000255157	4.17E-05	1.93E-05
7549	437056.8	3761905	0.000253847	4.15E-05	1.92E-05
7550	437065.6	3761902	0.000252631	4.13E-05	1.91E-05
7551	437074.5	3761898	0.000251415	4.11E-05	1.91E-05
7552	437083.3	3761894	0.000250106	4.09E-05	1.90E-05
7553	437092.2	3761891	0.00024889	4.07E-05	1.89E-05
7554	437101.1	3761887	0.000247674	4.05E-05	1.88E-05
7555	436443.8	3762699	0.000355611	5.81E-05	2.69E-05
7556	436443.8	3762709	0.000356172	5.82E-05	2.70E-05
7557	436443.8	3762718	0.000356546	5.82E-05	2.70E-05
7558	436443.8	3762728	0.000356733	5.83E-05	2.70E-05
7559	436443.8	3762738	0.000356733	5.83E-05	2.70E-05
7560	436443.8	3762747	0.000356546	5.82E-05	2.70E-05
7561	436443.8	3762757	0.000356265	5.82E-05	2.70E-05
7562	436443.8	3762767	0.000355798	5.81E-05	2.70E-05
7563	436443.8	3762776	0.000355143	5.80E-05	2.69E-05
7564	436443.8	3762786	0.000354488	5.79E-05	2.69E-05
7565	436443.8	3762796	0.00035374	5.78E-05	2.68E-05
7566	436443.8	3762806	0.000352898	5.77E-05	2.67E-05
7567	436443.8	3762815	0.000351869	5.75E-05	2.67E-05
7568	436443.8	3762825	0.00035084	5.73E-05	2.66E-05
7569	436443.8	3762835	0.000349718	5.71E-05	2.65E-05
7570	436443.8	3762844	0.000348502	5.69E-05	2.64E-05
7571	436443.8	3762854	0.000347193	5.67E-05	2.63E-05
7572	436407.5	3762690	0.000332976	5.44E-05	2.52E-05
7573	436411.1	3762681	0.000334472	5.46E-05	2.53E-05
7574	436414.8	3762672	0.000335782	5.49E-05	2.54E-05
7575	436418.5	3762663	0.000336904	5.50E-05	2.55E-05
7576	436422.2	3762654	0.000337839	5.52E-05	2.56E-05
7577	436425.8	3762645	0.000338681	5.53E-05	2.57E-05
7578	436429.5	3762637	0.000339242	5.54E-05	2.57E-05
7579	436433.2	3762628	0.00033971	5.55E-05	2.57E-05
7580	436436.8	3762619	0.000340084	5.56E-05	2.58E-05
7581	436440.5	3762610	0.000340271	5.56E-05	2.58E-05
7582	436444.2	3762601	0.000340365	5.56E-05	2.58E-05
7583	436447.9	3762592	0.000340178	5.56E-05	2.58E-05
7584	436451.5	3762583	0.000339804	5.55E-05	2.57E-05
7585	436455.2	3762574	0.000339242	5.54E-05	2.57E-05
7586	436458.9	3762565	0.000338588	5.53E-05	2.57E-05

7587	436462.6	3762556	0.000337746	5.52E-05	2.56E-05
7588	436466.2	3762548	0.000336717	5.50E-05	2.55E-05
7589	436469.9	3762539	0.000335595	5.48E-05	2.54E-05
7590	436473.6	3762530	0.000334472	5.46E-05	2.53E-05
7591	436477.2	3762521	0.000333163	5.44E-05	2.52E-05
7592	436480.9	3762512	0.000331666	5.42E-05	2.51E-05
7593	436484.6	3762503	0.00033017	5.39E-05	2.50E-05
7594	436488.3	3762494	0.00032858	5.37E-05	2.49E-05
7595	436491.9	3762485	0.000326803	5.34E-05	2.48E-05
7596	436495.6	3762476	0.000324932	5.31E-05	2.46E-05
7597	436499.3	3762467	0.000322968	5.28E-05	2.45E-05
7598	436502.9	3762459	0.000321004	5.24E-05	2.43E-05
7599	436506.6	3762450	0.000319039	5.21E-05	2.42E-05
7600	436510.3	3762441	0.000317075	5.18E-05	2.40E-05
7601	436514	3762432	0.000315111	5.15E-05	2.39E-05
7602	436517.6	3762423	0.000313147	5.12E-05	2.37E-05
7603	436521.3	3762414	0.000311183	5.08E-05	2.36E-05
7604	436525	3762405	0.000309312	5.05E-05	2.34E-05
7605	436528.6	3762396	0.000307441	5.02E-05	2.33E-05
7606	436532.3	3762387	0.000305571	4.99E-05	2.32E-05
7607	436536	3762378	0.000303794	4.96E-05	2.30E-05
7608	436547	3762352	0.000298462	4.88E-05	2.26E-05
7609	436550.7	3762343	0.000296685	4.85E-05	2.25E-05
7610	436554.3	3762334	0.000294908	4.82E-05	2.23E-05
7611	436558	3762325	0.000293224	4.79E-05	2.22E-05
7612	436561.7	3762316	0.000291541	4.76E-05	2.21E-05
7613	436565.4	3762307	0.000289857	4.74E-05	2.20E-05
7614	436569	3762298	0.000288267	4.71E-05	2.18E-05
7615	436572.7	3762289	0.000286771	4.68E-05	2.17E-05
7616	436576.4	3762280	0.000285274	4.66E-05	2.16E-05
7617	436580	3762272	0.000283778	4.64E-05	2.15E-05
7618	436583.7	3762263	0.000282375	4.61E-05	2.14E-05
7619	436587.4	3762254	0.000280972	4.59E-05	2.13E-05
7620	436591.1	3762245	0.000279569	4.57E-05	2.12E-05
7621	436594.7	3762236	0.000278072	4.54E-05	2.11E-05
7622	436598.4	3762227	0.000276669	4.52E-05	2.10E-05
7623	436602.1	3762218	0.000275266	4.50E-05	2.09E-05
7624	436605.7	3762209	0.00027377	4.47E-05	2.07E-05
7625	436609.4	3762200	0.00027218	4.45E-05	2.06E-05
7626	436613.1	3762191	0.00027059	4.42E-05	2.05E-05
7627	436616.8	3762182	0.000268906	4.39E-05	2.04E-05
7628	436620.4	3762174	0.000267222	4.37E-05	2.02E-05
7629	436624.1	3762165	0.000265632	4.34E-05	2.01E-05
7630	436627.8	3762156	0.000264042	4.31E-05	2.00E-05
7631	436631.4	3762147	0.000262452	4.29E-05	1.99E-05
7632	436635.1	3762138	0.000260862	4.26E-05	1.98E-05
7633	436638.8	3762129	0.000259272	4.24E-05	1.96E-05
7634	436642.5	3762120	0.000257682	4.21E-05	1.95E-05
7635	436816.1	3761966	0.000248142	4.05E-05	1.88E-05
7636	436824.9	3761963	0.000248422	4.06E-05	1.88E-05
7637	436833.8	3761959	0.000248609	4.06E-05	1.88E-05
7638	436842.7	3761955	0.00024889	4.07E-05	1.89E-05

7639	436851.6	3761951	0.000249077	4.07E-05	1.89E-05
7640	436860.5	3761948	0.000249264	4.07E-05	1.89E-05
7641	436869.3	3761944	0.000249264	4.07E-05	1.89E-05
7642	436878.2	3761940	0.000249264	4.07E-05	1.89E-05
7643	436887.1	3761936	0.000249171	4.07E-05	1.89E-05
7644	436896	3761933	0.000249077	4.07E-05	1.89E-05
7645	436904.9	3761929	0.00024889	4.07E-05	1.89E-05
7646	436913.7	3761925	0.000248609	4.06E-05	1.88E-05
7647	436922.6	3761922	0.000248329	4.06E-05	1.88E-05
7648	436931.5	3761918	0.000247861	4.05E-05	1.88E-05
7649	436940.4	3761914	0.000247394	4.04E-05	1.87E-05
7650	436949.3	3761910	0.000246832	4.03E-05	1.87E-05
7651	436958.1	3761907	0.000246178	4.02E-05	1.87E-05
7652	436967	3761903	0.000245336	4.01E-05	1.86E-05
7653	436975.9	3761899	0.000244494	3.99E-05	1.85E-05
7654	436984.8	3761895	0.000243559	3.98E-05	1.85E-05
7655	436993.7	3761892	0.000242623	3.96E-05	1.84E-05
7656	437002.5	3761888	0.000241595	3.95E-05	1.83E-05
7657	437011.4	3761884	0.000240566	3.93E-05	1.82E-05
7658	436403.8	3762699	0.000331386	5.41E-05	2.51E-05
7659	436403.8	3762709	0.000331853	5.42E-05	2.51E-05
7660	436403.8	3762718	0.000332134	5.43E-05	2.52E-05
7661	436403.8	3762728	0.000332228	5.43E-05	2.52E-05
7662	436403.8	3762738	0.000332228	5.43E-05	2.52E-05
7663	436403.8	3762747	0.00033204	5.42E-05	2.52E-05
7664	436403.8	3762757	0.00033176	5.42E-05	2.51E-05
7665	436403.8	3762767	0.000331292	5.41E-05	2.51E-05
7666	436403.8	3762776	0.000330825	5.40E-05	2.51E-05
7667	436403.8	3762786	0.00033017	5.39E-05	2.50E-05
7668	436403.8	3762796	0.000329422	5.38E-05	2.50E-05
7669	436403.8	3762806	0.000328486	5.37E-05	2.49E-05
7670	436403.8	3762815	0.000327551	5.35E-05	2.48E-05
7671	436403.8	3762825	0.000326522	5.33E-05	2.47E-05
7672	436403.8	3762835	0.0003254	5.32E-05	2.47E-05
7673	436403.8	3762844	0.000324277	5.30E-05	2.46E-05
7674	436403.8	3762854	0.000323061	5.28E-05	2.45E-05
7675	436378.5	3762663	0.000315205	5.15E-05	2.39E-05
7676	436382.2	3762654	0.00031614	5.16E-05	2.40E-05
7677	436385.9	3762645	0.000316982	5.18E-05	2.40E-05
7678	436389.6	3762636	0.000317636	5.19E-05	2.41E-05
7679	436393.2	3762628	0.000318198	5.20E-05	2.41E-05
7680	436396.9	3762619	0.000318572	5.20E-05	2.41E-05
7681	436400.6	3762610	0.000318852	5.21E-05	2.42E-05
7682	436404.3	3762601	0.000319039	5.21E-05	2.42E-05
7683	436408	3762592	0.000318946	5.21E-05	2.42E-05
7684	436411.6	3762583	0.000318759	5.21E-05	2.42E-05
7685	436415.3	3762574	0.000318478	5.20E-05	2.41E-05
7686	436419	3762565	0.000317917	5.19E-05	2.41E-05
7687	436422.7	3762556	0.000317169	5.18E-05	2.40E-05
7688	436426.4	3762547	0.000316421	5.17E-05	2.40E-05
7689	436430	3762538	0.000315485	5.15E-05	2.39E-05
7690	436433.7	3762529	0.000314456	5.14E-05	2.38E-05

7691	436437.4	3762520	0.000313334	5.12E-05	2.37E-05
7692	436441.1	3762512	0.000312118	5.10E-05	2.37E-05
7693	436444.8	3762503	0.000310809	5.08E-05	2.36E-05
7694	436448.4	3762494	0.000309499	5.06E-05	2.35E-05
7695	436452.1	3762485	0.000308003	5.03E-05	2.33E-05
7696	436455.8	3762476	0.000306506	5.01E-05	2.32E-05
7697	436459.5	3762467	0.000304823	4.98E-05	2.31E-05
7698	436463.1	3762458	0.000303045	4.95E-05	2.30E-05
7699	436466.8	3762449	0.000301268	4.92E-05	2.28E-05
7700	436470.5	3762440	0.000299398	4.89E-05	2.27E-05
7701	436474.2	3762431	0.000297433	4.86E-05	2.25E-05
7702	436477.9	3762422	0.000295563	4.83E-05	2.24E-05
7703	436481.5	3762413	0.000293786	4.80E-05	2.23E-05
7704	436485.2	3762404	0.000292009	4.77E-05	2.21E-05
7705	436488.9	3762396	0.000290231	4.74E-05	2.20E-05
7706	436492.6	3762387	0.000288548	4.71E-05	2.19E-05
7707	436496.3	3762378	0.000286771	4.68E-05	2.17E-05
7708	436499.9	3762369	0.000285087	4.66E-05	2.16E-05
7709	436514.7	3762333	0.000278353	4.55E-05	2.11E-05
7710	436518.3	3762324	0.000276763	4.52E-05	2.10E-05
7711	436522	3762315	0.00027536	4.50E-05	2.09E-05
7712	436525.7	3762306	0.000273957	4.48E-05	2.08E-05
7713	436529.4	3762297	0.000272554	4.45E-05	2.07E-05
7714	436533.1	3762288	0.000271151	4.43E-05	2.05E-05
7715	436536.7	3762280	0.000269748	4.41E-05	2.04E-05
7716	436540.4	3762271	0.000268438	4.39E-05	2.03E-05
7717	436544.1	3762262	0.000267129	4.36E-05	2.02E-05
7718	436547.8	3762253	0.000265913	4.34E-05	2.01E-05
7719	436551.5	3762244	0.000264697	4.32E-05	2.01E-05
7720	436555.1	3762235	0.000263481	4.30E-05	2.00E-05
7721	436558.8	3762226	0.000262265	4.28E-05	1.99E-05
7722	436562.5	3762217	0.000260956	4.26E-05	1.98E-05
7723	436566.2	3762208	0.000259553	4.24E-05	1.97E-05
7724	436569.9	3762199	0.000257963	4.21E-05	1.95E-05
7725	436573.5	3762190	0.000256466	4.19E-05	1.94E-05
7726	436577.2	3762181	0.00025497	4.17E-05	1.93E-05
7727	436580.9	3762172	0.000253473	4.14E-05	1.92E-05
7728	436584.6	3762164	0.000251977	4.12E-05	1.91E-05
7729	436588.2	3762155	0.00025048	4.09E-05	1.90E-05
7730	436591.9	3762146	0.000249077	4.07E-05	1.89E-05
7731	436595.6	3762137	0.000247768	4.05E-05	1.88E-05
7732	436599.3	3762128	0.000246552	4.03E-05	1.87E-05
7733	436603	3762119	0.000245242	4.01E-05	1.86E-05
7734	436606.6	3762110	0.00024412	3.99E-05	1.85E-05
7735	436639.8	3762030	0.000230932	3.77E-05	1.75E-05
7736	436643.4	3762021	0.000229248	3.75E-05	1.74E-05
7737	436647.1	3762012	0.000227471	3.72E-05	1.72E-05
7738	436650.8	3762003	0.000225788	3.69E-05	1.71E-05
7739	436663.4	3761990	0.000224946	3.67E-05	1.70E-05
7740	436699	3761975	0.000227939	3.72E-05	1.73E-05
7741	436796.9	3761934	0.000232802	3.80E-05	1.76E-05
7742	436805.8	3761931	0.000233177	3.81E-05	1.77E-05

7743	436814.7	3761927	0.000233457	3.81E-05	1.77E-05
7744	436823.6	3761923	0.000233644	3.82E-05	1.77E-05
7745	436832.5	3761919	0.000233831	3.82E-05	1.77E-05
7746	436841.4	3761916	0.000233925	3.82E-05	1.77E-05
7747	436850.3	3761912	0.000233925	3.82E-05	1.77E-05
7748	436859.2	3761908	0.000233831	3.82E-05	1.77E-05
7749	436868.1	3761904	0.000233738	3.82E-05	1.77E-05
7750	436877	3761901	0.000233644	3.82E-05	1.77E-05
7751	436885.9	3761897	0.000233457	3.81E-05	1.77E-05
7752	436894.8	3761893	0.000233177	3.81E-05	1.77E-05
7753	436903.7	3761889	0.00023299	3.81E-05	1.77E-05
7754	436912.6	3761886	0.000232709	3.80E-05	1.76E-05
7755	436921.5	3761882	0.000232335	3.80E-05	1.76E-05
7756	436930.3	3761878	0.000231774	3.79E-05	1.76E-05
7757	436939.2	3761875	0.000231025	3.77E-05	1.75E-05
7758	436948.1	3761871	0.000230277	3.76E-05	1.74E-05
7759	436363.8	3762699	0.000309967	5.06E-05	2.35E-05
7760	436363.8	3762709	0.000310247	5.07E-05	2.35E-05
7761	437373.5	3762894	0.02321346	3.79E-03	1.76E-03
7762	437383.2	3762894	0.02533207	4.14E-03	1.92E-03
7763	437421.8	3762894	0.03984588	6.51E-03	3.02E-03
7764	437431.4	3762894	0.04480722	7.32E-03	3.40E-03
7765	437441.1	3762894	0.04981691	8.14E-03	3.77E-03
7766	437450.7	3762894	0.05466059	8.93E-03	4.14E-03
7767	437460.4	3762894	0.0592594	9.68E-03	4.49E-03
7768	437470	3762894	0.06268708	1.02E-02	4.75E-03
7769	437479.7	3762894	0.06570453	1.07E-02	4.98E-03
7770	437489.3	3762893	0.06830156	1.12E-02	5.18E-03
7771	437499	3762893	0.06969285	1.14E-02	5.28E-03
7772	437508.6	3762893	0.07069908	1.15E-02	5.36E-03
7773	437518.3	3762893	0.07134473	1.17E-02	5.41E-03
7774	437373.5	3762904	0.01833705	3.00E-03	1.39E-03
7775	437383.2	3762904	0.01969935	3.22E-03	1.49E-03
7776	437421.8	3762904	0.02870588	4.69E-03	2.18E-03
7777	437431.4	3762904	0.03202703	5.23E-03	2.43E-03
7778	437441.1	3762904	0.03546238	5.79E-03	2.69E-03
7779	437450.7	3762904	0.03893768	6.36E-03	2.95E-03
7780	437460.4	3762904	0.04232992	6.92E-03	3.21E-03
7781	437470	3762904	0.04508688	7.37E-03	3.42E-03
7782	437479.7	3762904	0.04761095	7.78E-03	3.61E-03
7783	437489.3	3762903	0.04987799	8.15E-03	3.78E-03
7784	437499	3762903	0.0513487	8.39E-03	3.89E-03
7785	437508.6	3762903	0.05255554	8.59E-03	3.98E-03
7786	437518.3	3762903	0.05352183	8.74E-03	4.06E-03
7787	437527.9	3762903	0.05494296	8.98E-03	4.16E-03
7788	437537.6	3762903	0.0562571	9.19E-03	4.26E-03
7789	437547.2	3762903	0.05727342	9.36E-03	4.34E-03
7790	437363.9	3762914	0.01407131	2.30E-03	1.07E-03
7791	437373.6	3762914	0.01501	2.45E-03	1.14E-03
7792	437383.2	3762914	0.01596413	2.61E-03	1.21E-03
7793	437421.8	3762914	0.021972	3.59E-03	1.66E-03
7794	437431.5	3762914	0.02421538	3.96E-03	1.83E-03

7795	437441.1	3762914	0.02653199	4.33E-03	2.01E-03
7796	437450.8	3762914	0.02892802	4.73E-03	2.19E-03
7797	437460.4	3762914	0.03134864	5.12E-03	2.38E-03
7798	437470.1	3762914	0.03350728	5.47E-03	2.54E-03
7799	437479.7	3762914	0.03555629	5.81E-03	2.69E-03
7800	437489.4	3762913	0.03746707	6.12E-03	2.84E-03
7801	437499	3762913	0.03884012	6.35E-03	2.94E-03
7802	437508.7	3762913	0.04004987	6.54E-03	3.03E-03
7803	437518.3	3762913	0.04110202	6.71E-03	3.11E-03
7804	437528	3762913	0.04242017	6.93E-03	3.21E-03
7805	437537.6	3762913	0.04364479	7.13E-03	3.31E-03
7806	437547.3	3762913	0.0446557	7.30E-03	3.38E-03
7807	437363.9	3762924	0.01185908	1.94E-03	8.99E-04
7808	437373.6	3762924	0.01253757	2.05E-03	9.50E-04
7809	437383.2	3762924	0.01324215	2.16E-03	1.00E-03
7810	437421.8	3762924	0.01746701	2.85E-03	1.32E-03
7811	437431.5	3762924	0.01901741	3.11E-03	1.44E-03
7812	437441.1	3762924	0.02058351	3.36E-03	1.56E-03
7813	437450.8	3762924	0.02223792	3.63E-03	1.69E-03
7814	437460.4	3762924	0.02395471	3.91E-03	1.82E-03
7815	437470.1	3762924	0.02561631	4.18E-03	1.94E-03
7816	437479.7	3762924	0.02724798	4.45E-03	2.06E-03
7817	437489.4	3762923	0.02882092	4.71E-03	2.18E-03
7818	437373.6	3762934	0.01063596	1.74E-03	8.06E-04
7819	437383.3	3762934	0.01117526	1.83E-03	8.47E-04
7820	437421.9	3762934	0.01420338	2.32E-03	1.08E-03
7821	437431.5	3762934	0.0152762	2.50E-03	1.16E-03
7822	437441.2	3762934	0.01637577	2.68E-03	1.24E-03
7823	437450.8	3762934	0.01755839	2.87E-03	1.33E-03
7824	437460.5	3762934	0.01881472	3.07E-03	1.43E-03
7825	437470.1	3762934	0.02005552	3.28E-03	1.52E-03
7826	437355.9	3762940	0.008802718	1.44E-03	6.67E-04
7827	437323.5	3762927	0.008673644	1.42E-03	6.57E-04
7828	437303.9	3762912	0.008963501	1.46E-03	6.79E-04
7829	437373.6	3762944	0.009138407	1.49E-03	6.92E-04
7830	437383.3	3762944	0.009565757	1.56E-03	7.25E-04
7831	437421.9	3762944	0.01171467	1.91E-03	8.88E-04
7832	437431.5	3762944	0.0124243	2.03E-03	9.41E-04
7833	437441.2	3762944	0.01324879	2.16E-03	1.00E-03
7834	437450.8	3762944	0.01415371	2.31E-03	1.07E-03
7835	437460.5	3762944	0.01513178	2.47E-03	1.15E-03
7836	437470.1	3762944	0.01602558	2.62E-03	1.21E-03
7837	437518.4	3762943	0.02060662	3.37E-03	1.56E-03
7838	437356	3762950	0.007687531	1.26E-03	5.83E-04
7839	437340.1	3762944	0.00773252	1.26E-03	5.86E-04
7840	437324.1	3762937	0.007681638	1.25E-03	5.82E-04
7841	437308.2	3762931	0.007523849	1.23E-03	5.70E-04
7842	437296.9	3762919	0.007868797	1.29E-03	5.96E-04
7843	437373.6	3762954	0.007933802	1.30E-03	6.01E-04
7844	437383.3	3762954	0.008282491	1.35E-03	6.28E-04
7845	437421.9	3762954	0.009841117	1.61E-03	7.46E-04
7846	437431.5	3762954	0.01032047	1.69E-03	7.82E-04

7847	437441.2	3762954	0.01095397	1.79E-03	8.30E-04
7848	437450.8	3762954	0.01165733	1.90E-03	8.83E-04
7849	437460.5	3762954	0.01242907	2.03E-03	9.42E-04
7850	437470.1	3762954	0.01306995	2.14E-03	9.90E-04
7851	437499.1	3762953	0.01523654	2.49E-03	1.15E-03
7852	437508.7	3762953	0.01603624	2.62E-03	1.22E-03
7853	437518.4	3762953	0.01683333	2.75E-03	1.28E-03
7854	437528.1	3762953	0.0176421	2.88E-03	1.34E-03
7855	437537.7	3762953	0.01843086	3.01E-03	1.40E-03
7856	437547.4	3762953	0.0191867	3.13E-03	1.45E-03
7857	437355.2	3762960	0.006768574	1.11E-03	5.13E-04
7858	437346.3	3762956	0.006809728	1.11E-03	5.16E-04
7859	437337.4	3762953	0.006835637	1.12E-03	5.18E-04
7860	437328.6	3762949	0.006835823	1.12E-03	5.18E-04
7861	437319.7	3762945	0.006811786	1.11E-03	5.16E-04
7862	437310.9	3762942	0.006761185	1.10E-03	5.12E-04
7863	437302	3762938	0.006681308	1.09E-03	5.06E-04
7864	437289.5	3762926	0.007016154	1.15E-03	5.32E-04
7865	437285.8	3762917	0.007436677	1.21E-03	5.64E-04
7866	437364	3762964	0.006712922	1.10E-03	5.09E-04
7867	437373.7	3762964	0.006964057	1.14E-03	5.28E-04
7868	437383.3	3762964	0.00724241	1.18E-03	5.49E-04
7869	437393	3762964	0.007533951	1.23E-03	5.71E-04
7870	437421.9	3762964	0.008398752	1.37E-03	6.36E-04
7871	437431.6	3762964	0.008741362	1.43E-03	6.62E-04
7872	437441.2	3762964	0.009223241	1.51E-03	6.99E-04
7873	437450.9	3762964	0.009761428	1.59E-03	7.40E-04
7874	437460.5	3762964	0.0103547	1.69E-03	7.85E-04
7875	437470.2	3762964	0.01083668	1.77E-03	8.21E-04
7876	437499.1	3762963	0.01255945	2.05E-03	9.52E-04
7877	437508.8	3762963	0.0132385	2.16E-03	1.00E-03
7878	437518.4	3762963	0.01392783	2.28E-03	1.06E-03
7879	437528.1	3762963	0.01460912	2.39E-03	1.11E-03
7880	437537.7	3762963	0.01527957	2.50E-03	1.16E-03
7881	437547.4	3762963	0.01593775	2.60E-03	1.21E-03
7882	437355.6	3762980	0.005341268	8.73E-04	4.05E-04
7883	437347.1	3762977	0.005387379	8.80E-04	4.08E-04
7884	437338.5	3762973	0.005425259	8.86E-04	4.11E-04
7885	437330	3762970	0.005450794	8.90E-04	4.13E-04
7886	437321.5	3762966	0.00546445	8.93E-04	4.14E-04
7887	437313	3762963	0.005463795	8.93E-04	4.14E-04
7888	437304.5	3762959	0.005447053	8.90E-04	4.13E-04
7889	437296	3762956	0.005413755	8.84E-04	4.10E-04
7890	437287.5	3762952	0.005362873	8.76E-04	4.06E-04
7891	437275.5	3762940	0.005608397	9.16E-04	4.25E-04
7892	437272	3762932	0.005921824	9.67E-04	4.49E-04
7893	437364.1	3762984	0.005288235	8.64E-04	4.01E-04
7894	437373.7	3762984	0.005466976	8.93E-04	4.14E-04
7895	437383.4	3762984	0.005653105	9.24E-04	4.28E-04
7896	437393	3762984	0.005836055	9.53E-04	4.42E-04
7897	437422	3762984	0.006353009	1.04E-03	4.81E-04
7898	437431.6	3762984	0.006556536	1.07E-03	4.97E-04

7899	437441.3	3762984	0.006824038	1.11E-03	5.17E-04
7900	437450.9	3762984	0.007117918	1.16E-03	5.39E-04
7901	437460.6	3762984	0.007439669	1.22E-03	5.64E-04
7902	437470.2	3762984	0.007769839	1.27E-03	5.89E-04
7903	437499.2	3762983	0.00894704	1.46E-03	6.78E-04
7904	437508.8	3762983	0.009400299	1.54E-03	7.12E-04
7905	437518.5	3762983	0.009873666	1.61E-03	7.48E-04
7906	437528.1	3762983	0.01031533	1.69E-03	7.82E-04
7907	437537.8	3762983	0.01075699	1.76E-03	8.15E-04
7908	437547.4	3762983	0.01120136	1.83E-03	8.49E-04
7909	437355.8	3763000	0.004304741	7.03E-04	3.26E-04
7910	437339.3	3762994	0.004384991	7.16E-04	3.32E-04
7911	437322.8	3762987	0.004442607	7.26E-04	3.37E-04
7912	437306.2	3762980	0.004469638	7.30E-04	3.39E-04
7913	437289.7	3762973	0.00445776	7.28E-04	3.38E-04
7914	437273.2	3762966	0.004402576	7.19E-04	3.34E-04
7915	437261.5	3762955	0.004589921	7.50E-04	3.48E-04
7916	437373.7	3763004	0.004381063	7.16E-04	3.32E-04
7917	437383.4	3763004	0.004506958	7.36E-04	3.42E-04
7918	437393	3763004	0.004635659	7.57E-04	3.51E-04
7919	437422	3763004	0.005003148	8.17E-04	3.79E-04
7920	437431.6	3763004	0.005147468	8.41E-04	3.90E-04
7921	437441.3	3763004	0.005319288	8.69E-04	4.03E-04
7922	437450.9	3763004	0.005506072	9.00E-04	4.17E-04
7923	437460.6	3763004	0.005709318	9.33E-04	4.33E-04
7924	437470.3	3763004	0.005914996	9.66E-04	4.48E-04
7925	437499.2	3763003	0.006666156	1.09E-03	5.05E-04
7926	437508.9	3763003	0.006970792	1.14E-03	5.28E-04
7927	437518.5	3763003	0.007294414	1.19E-03	5.53E-04
7928	437528.2	3763003	0.007611209	1.24E-03	5.77E-04
7929	437537.8	3763003	0.007936234	1.30E-03	6.01E-04
7930	437547.5	3763003	0.008271174	1.35E-03	6.27E-04
7931	437355.4	3763020	0.003532723	5.77E-04	2.68E-04
7932	437346.7	3763017	0.00357182	5.84E-04	2.71E-04
7933	437338	3763013	0.003608204	5.89E-04	2.73E-04
7934	437329.3	3763009	0.003639818	5.95E-04	2.76E-04
7935	437320.5	3763006	0.003668626	5.99E-04	2.78E-04
7936	437311.8	3763002	0.003692383	6.03E-04	2.80E-04
7937	437303.1	3762999	0.003709499	6.06E-04	2.81E-04
7938	437294.4	3762995	0.003720256	6.08E-04	2.82E-04
7939	437285.7	3762991	0.003723249	6.08E-04	2.82E-04
7940	437276.9	3762988	0.003717637	6.07E-04	2.82E-04
7941	437268.2	3762984	0.003702765	6.05E-04	2.81E-04
7942	437259.5	3762981	0.003679569	6.01E-04	2.79E-04
7943	437218.3	3762899	0.005219208	8.53E-04	3.95E-04
7944	437364.1	3763024	0.003491382	5.70E-04	2.65E-04
7945	437373.8	3763024	0.00357846	5.85E-04	2.71E-04
7946	437383.4	3763024	0.003668065	5.99E-04	2.78E-04
7947	437393.1	3763024	0.003761784	6.15E-04	2.85E-04
7948	437422	3763024	0.004057254	6.63E-04	3.07E-04
7949	437431.7	3763024	0.004170334	6.81E-04	3.16E-04
7950	437441.3	3763024	0.004288559	7.01E-04	3.25E-04

7951	437451	3763024	0.004416979	7.22E-04	3.35E-04
7952	437355.7	3763040	0.002940569	4.80E-04	2.23E-04
7953	437347.2	3763037	0.002973305	4.86E-04	2.25E-04
7954	437338.7	3763033	0.003005106	4.91E-04	2.28E-04
7955	437330.2	3763030	0.003034382	4.96E-04	2.30E-04
7956	437321.7	3763026	0.0030616	5.00E-04	2.32E-04
7957	437313.2	3763023	0.003086479	5.04E-04	2.34E-04
7958	437304.7	3763019	0.00309602	5.06E-04	2.35E-04
7959	437296.2	3763016	0.003119122	5.10E-04	2.36E-04
7960	437287.7	3763012	0.003137735	5.13E-04	2.38E-04
7961	437279.2	3763009	0.003145405	5.14E-04	2.38E-04
7962	437270.7	3763005	0.003147276	5.14E-04	2.38E-04
7963	437262.2	3763002	0.003143534	5.14E-04	2.38E-04
7964	437219	3762949	0.003844093	6.28E-04	2.91E-04
7965	437215.5	3762940	0.003983924	6.51E-04	3.02E-04
7966	437212	3762932	0.004117208	6.73E-04	3.12E-04
7967	437208.5	3762923	0.004241606	6.93E-04	3.21E-04
7968	437204.9	3762915	0.004355716	7.12E-04	3.30E-04
7969	437201.4	3762906	0.004456544	7.28E-04	3.38E-04
7970	437197.9	3762898	0.004544464	7.42E-04	3.44E-04
7971	437364.2	3763044	0.00290671	4.75E-04	2.20E-04
7972	437373.8	3763044	0.002971528	4.85E-04	2.25E-04
7973	437383.5	3763044	0.00303803	4.96E-04	2.30E-04
7974	437393.1	3763044	0.00310687	5.08E-04	2.35E-04
7975	437460.7	3763044	0.003679662	6.01E-04	2.79E-04
7976	437470.3	3763044	0.003764964	6.15E-04	2.85E-04
7977	437480	3763044	0.003858123	6.30E-04	2.92E-04
7978	437489.6	3763043	0.003960915	6.47E-04	3.00E-04
7979	437499.3	3763043	0.00411384	6.72E-04	3.12E-04
7980	437508.9	3763043	0.004281919	7.00E-04	3.24E-04
7981	437518.6	3763043	0.004464027	7.29E-04	3.38E-04
7982	437528.2	3763043	0.00461929	7.55E-04	3.50E-04
7983	437537.9	3763043	0.004775957	7.80E-04	3.62E-04
7984	437547.5	3763043	0.0049431	8.08E-04	3.75E-04
7985	437355.4	3763060	0.002481792	4.05E-04	1.88E-04
7986	437346.5	3763056	0.002511254	4.10E-04	1.90E-04
7987	437337.7	3763053	0.002540062	4.15E-04	1.92E-04
7988	437328.8	3763049	0.002568309	4.20E-04	1.95E-04
7989	437319.9	3763045	0.002594966	4.24E-04	1.97E-04
7990	437311.1	3763042	0.002619004	4.28E-04	1.98E-04
7991	437302.2	3763038	0.002639301	4.31E-04	2.00E-04
7992	437293.4	3763035	0.002657072	4.34E-04	2.01E-04
7993	437284.5	3763031	0.002672692	4.37E-04	2.03E-04
7994	437275.7	3763027	0.002684477	4.39E-04	2.03E-04
7995	437266.8	3763024	0.002692053	4.40E-04	2.04E-04
7996	437258	3763020	0.002695046	4.40E-04	2.04E-04
7997	437218.9	3762996	0.002789233	4.56E-04	2.11E-04
7998	437215.2	3762988	0.002916344	4.76E-04	2.21E-04
7999	437211.5	3762979	0.003043361	4.97E-04	2.31E-04
8000	437207.8	3762970	0.003169349	5.18E-04	2.40E-04
8001	437204.2	3762961	0.003293186	5.38E-04	2.50E-04
8002	437200.5	3762952	0.003413001	5.58E-04	2.59E-04

8003	437196.8	3762943	0.003527298	5.76E-04	2.67E-04
8004	437193.2	3762935	0.003634673	5.94E-04	2.75E-04
8005	437189.5	3762926	0.003733444	6.10E-04	2.83E-04
8006	437185.8	3762917	0.003824264	6.25E-04	2.90E-04
8007	437182.2	3762908	0.003904702	6.38E-04	2.96E-04
8008	437364.2	3763064	0.002451581	4.01E-04	1.86E-04
8009	437373.9	3763064	0.002500966	4.09E-04	1.90E-04
8010	437383.5	3763064	0.002551848	4.17E-04	1.93E-04
8011	437393.2	3763064	0.002605348	4.26E-04	1.97E-04
8012	437402.8	3763064	0.002660906	4.35E-04	2.02E-04
8013	437441.4	3763064	0.002906336	4.75E-04	2.20E-04
8014	437451.1	3763064	0.002976111	4.86E-04	2.26E-04
8015	437460.7	3763064	0.003034569	4.96E-04	2.30E-04
8016	437470.4	3763064	0.003095832	5.06E-04	2.35E-04
8017	437480	3763064	0.003163457	5.17E-04	2.40E-04
8018	437489.7	3763063	0.00323716	5.29E-04	2.45E-04
8019	437499.3	3763063	0.003344162	5.46E-04	2.53E-04
8020	437509	3763063	0.003461171	5.65E-04	2.62E-04
8021	437518.6	3763063	0.003587533	5.86E-04	2.72E-04
8022	437528.3	3763063	0.003701643	6.05E-04	2.80E-04
8023	437537.9	3763063	0.003820149	6.24E-04	2.89E-04
8024	437547.6	3763063	0.003946417	6.45E-04	2.99E-04
8025	437355.6	3763080	0.00211767	3.46E-04	1.60E-04
8026	437346.9	3763077	0.002143204	3.50E-04	1.62E-04
8027	437338.3	3763073	0.00216799	3.54E-04	1.64E-04
8028	437329.6	3763069	0.002191747	3.58E-04	1.66E-04
8029	437321	3763066	0.002214944	3.62E-04	1.68E-04
8030	437312.3	3763062	0.002237391	3.66E-04	1.70E-04
8031	437303.6	3763059	0.002257407	3.69E-04	1.71E-04
8032	437295	3763055	0.002275365	3.72E-04	1.72E-04
8033	437286.3	3763052	0.002290892	3.74E-04	1.74E-04
8034	437277.7	3763048	0.002304267	3.76E-04	1.75E-04
8035	437269	3763044	0.002316052	3.78E-04	1.76E-04
8036	437260.4	3763041	0.002325218	3.80E-04	1.76E-04
8037	437217.1	3763023	0.002322225	3.79E-04	1.76E-04
8038	437204.8	3763011	0.002411455	3.94E-04	1.83E-04
8039	437201.2	3763002	0.002514154	4.11E-04	1.91E-04
8040	437197.6	3762994	0.002617414	4.28E-04	1.98E-04
8041	437194	3762985	0.002719645	4.44E-04	2.06E-04
8042	437190.5	3762976	0.002820286	4.61E-04	2.14E-04
8043	437186.9	3762968	0.002918588	4.77E-04	2.21E-04
8044	437183.3	3762959	0.003013618	4.92E-04	2.28E-04
8045	437364.3	3763084	0.002093445	3.42E-04	1.59E-04
8046	437373.9	3763084	0.00213039	3.48E-04	1.61E-04
8047	437383.6	3763084	0.002171544	3.55E-04	1.65E-04
8048	437393.2	3763084	0.002212699	3.61E-04	1.68E-04
8049	437480.1	3763084	0.002640516	4.31E-04	2.00E-04
8050	437489.7	3763083	0.002694952	4.40E-04	2.04E-04
8051	437499.4	3763083	0.002768937	4.52E-04	2.10E-04
8052	437509	3763083	0.002848439	4.65E-04	2.16E-04
8053	437518.7	3763083	0.002934115	4.79E-04	2.22E-04
8054	437528.3	3763083	0.003022503	4.94E-04	2.29E-04

8055	437538	3763083	0.003117064	5.09E-04	2.36E-04
8056	437547.6	3763083	0.003217332	5.26E-04	2.44E-04
8057	437355.8	3763100	0.001827158	2.98E-04	1.38E-04
8058	437347.3	3763097	0.001847454	3.02E-04	1.40E-04
8059	437338.8	3763093	0.001868031	3.05E-04	1.42E-04
8060	437330.3	3763090	0.001887954	3.08E-04	1.43E-04
8061	437321.8	3763086	0.00190797	3.12E-04	1.45E-04
8062	437313.3	3763083	0.001927705	3.15E-04	1.46E-04
8063	437304.8	3763079	0.001946318	3.18E-04	1.47E-04
8064	437296.3	3763076	0.001963622	3.21E-04	1.49E-04
8065	437287.8	3763072	0.001979522	3.23E-04	1.50E-04
8066	437279.3	3763069	0.00199402	3.26E-04	1.51E-04
8067	437270.8	3763065	0.00200674	3.28E-04	1.52E-04
8068	437262.3	3763062	0.002017496	3.30E-04	1.53E-04
8069	437253.8	3763058	0.002026475	3.31E-04	1.54E-04
8070	437245.3	3763055	0.00203321	3.32E-04	1.54E-04
8071	437219.8	3763044	0.002039757	3.33E-04	1.55E-04
8072	437211.3	3763041	0.002036764	3.33E-04	1.54E-04
8073	437202.8	3763037	0.002030684	3.32E-04	1.54E-04
8074	437190.8	3763025	0.002104014	3.44E-04	1.59E-04
8075	437187.2	3763017	0.002187819	3.57E-04	1.66E-04
8076	437183.7	3763008	0.002272653	3.71E-04	1.72E-04
8077	437180.2	3763000	0.002357206	3.85E-04	1.79E-04
8078	437144.9	3762915	0.003047102	4.98E-04	2.31E-04
8079	437141.4	3762906	0.00307114	5.02E-04	2.33E-04
8080	437364.3	3763104	0.001807235	2.95E-04	1.37E-04
8081	437374	3763104	0.001836979	3.00E-04	1.39E-04
8082	437383.6	3763104	0.001868686	3.05E-04	1.42E-04
8083	437422.2	3763104	0.002008704	3.28E-04	1.52E-04
8084	437431.9	3763104	0.002047988	3.35E-04	1.55E-04
8085	437441.5	3763104	0.002086991	3.41E-04	1.58E-04
8086	437451.2	3763104	0.002129455	3.48E-04	1.61E-04
8087	437499.4	3763103	0.002342054	3.83E-04	1.77E-04
8088	437509.1	3763103	0.002410988	3.94E-04	1.83E-04
8089	437518.7	3763103	0.002485159	4.06E-04	1.88E-04
8090	437528.4	3763103	0.002545487	4.16E-04	1.93E-04
8091	437538	3763103	0.002607593	4.26E-04	1.98E-04
8092	437547.7	3763103	0.002674188	4.37E-04	2.03E-04
8093	437355.6	3763120	0.001591923	2.60E-04	1.21E-04
8094	437346.8	3763117	0.001608853	2.63E-04	1.22E-04
8095	437338	3763113	0.001626156	2.66E-04	1.23E-04
8096	437329.3	3763109	0.001643366	2.68E-04	1.25E-04
8097	437320.5	3763106	0.001660763	2.71E-04	1.26E-04
8098	437311.7	3763102	0.001678067	2.74E-04	1.27E-04
8099	437302.9	3763098	0.00169509	2.77E-04	1.28E-04
8100	437294.2	3763095	0.001711551	2.80E-04	1.30E-04
8101	437285.4	3763091	0.001727358	2.82E-04	1.31E-04
8102	437276.6	3763088	0.00174195	2.85E-04	1.32E-04
8103	437267.9	3763084	0.001755138	2.87E-04	1.33E-04
8104	437259.1	3763080	0.001766829	2.89E-04	1.34E-04
8105	437250.3	3763077	0.001776463	2.90E-04	1.35E-04
8106	437241.5	3763073	0.001784975	2.92E-04	1.35E-04

8107	437232.8	3763069	0.001791522	2.93E-04	1.36E-04
8108	437224	3763066	0.001796105	2.93E-04	1.36E-04
8109	437215.2	3763062	0.00179835	2.94E-04	1.36E-04
8110	437206.5	3763059	0.001798443	2.94E-04	1.36E-04
8111	437197.7	3763055	0.001796292	2.93E-04	1.36E-04
8112	437188.9	3763051	0.001791709	2.93E-04	1.36E-04
8113	437143.8	3762960	0.002485907	4.06E-04	1.88E-04
8114	437140.2	3762951	0.002544272	4.16E-04	1.93E-04
8115	437136.5	3762943	0.002598427	4.24E-04	1.97E-04
8116	437132.9	3762934	0.002647438	4.32E-04	2.01E-04
8117	437129.3	3762925	0.002690276	4.39E-04	2.04E-04
8118	437125.6	3762916	0.002727969	4.46E-04	2.07E-04
8119	437122	3762908	0.002751633	4.50E-04	2.09E-04
8120	437118.3	3762899	0.00276903	4.52E-04	2.10E-04
8121	437364.3	3763124	0.001575368	2.57E-04	1.19E-04
8122	437374	3763124	0.001599687	2.61E-04	1.21E-04
8123	437383.6	3763124	0.00162466	2.65E-04	1.23E-04
8124	437422.2	3763124	0.001737273	2.84E-04	1.32E-04
8125	437431.9	3763124	0.001768793	2.89E-04	1.34E-04
8126	437441.5	3763124	0.001800688	2.94E-04	1.36E-04
8127	437451.2	3763124	0.00183464	3.00E-04	1.39E-04
8128	437460.8	3763124	0.001870276	3.06E-04	1.42E-04
8129	437470.5	3763124	0.001902545	3.11E-04	1.44E-04
8130	437499.5	3763123	0.002007769	3.28E-04	1.52E-04
8131	437509.1	3763123	0.002054816	3.36E-04	1.56E-04
8132	437518.8	3763123	0.002105136	3.44E-04	1.60E-04
8133	437528.4	3763123	0.002152464	3.52E-04	1.63E-04
8134	437538.1	3763123	0.002201942	3.60E-04	1.67E-04
8135	437547.7	3763123	0.002254788	3.68E-04	1.71E-04
8136	437355.8	3763140	0.00139775	2.28E-04	1.06E-04
8137	437347.1	3763137	0.001411312	2.31E-04	1.07E-04
8138	437338.5	3763133	0.001425342	2.33E-04	1.08E-04
8139	437329.9	3763130	0.001439652	2.35E-04	1.09E-04
8140	437321.3	3763126	0.001454056	2.38E-04	1.10E-04
8141	437312.6	3763122	0.001468554	2.40E-04	1.11E-04
8142	437304	3763119	0.001482958	2.42E-04	1.12E-04
8143	437295.4	3763115	0.001497081	2.45E-04	1.13E-04
8144	437286.8	3763112	0.001511205	2.47E-04	1.15E-04
8145	437278.1	3763108	0.001524767	2.49E-04	1.16E-04
8146	437269.5	3763105	0.001537674	2.51E-04	1.17E-04
8147	437260.9	3763101	0.001549647	2.53E-04	1.17E-04
8148	437252.3	3763098	0.001560497	2.55E-04	1.18E-04
8149	437243.6	3763094	0.001570037	2.56E-04	1.19E-04
8150	437235	3763090	0.001578455	2.58E-04	1.20E-04
8151	437226.4	3763087	0.001585563	2.59E-04	1.20E-04
8152	437217.8	3763083	0.001591175	2.60E-04	1.21E-04
8153	437209.1	3763080	0.001595384	2.61E-04	1.21E-04
8154	437200.5	3763076	0.001597535	2.61E-04	1.21E-04
8155	437191.9	3763073	0.001597909	2.61E-04	1.21E-04
8156	437183.3	3763069	0.001596226	2.61E-04	1.21E-04
8157	437144.6	3763010	0.001951743	3.19E-04	1.48E-04
8158	437141	3763002	0.002011323	3.29E-04	1.52E-04

8159	437137.4	3762993	0.002069594	3.38E-04	1.57E-04
8160	437133.8	3762984	0.002125994	3.47E-04	1.61E-04
8161	437130.3	3762976	0.002180336	3.56E-04	1.65E-04
8162	437126.7	3762967	0.00223206	3.65E-04	1.69E-04
8163	437123.1	3762959	0.002280884	3.73E-04	1.73E-04
8164	437119.6	3762950	0.002326247	3.80E-04	1.76E-04
8165	437116	3762941	0.002367495	3.87E-04	1.79E-04
8166	437112.4	3762933	0.002404627	3.93E-04	1.82E-04
8167	437108.8	3762924	0.002436522	3.98E-04	1.85E-04
8168	437105.3	3762915	0.002463459	4.02E-04	1.87E-04
8169	437101.7	3762907	0.002485439	4.06E-04	1.88E-04
8170	437098.1	3762898	0.002501901	4.09E-04	1.90E-04
8171	437364.4	3763144	0.001384375	2.26E-04	1.05E-04
8172	437374	3763144	0.001404671	2.29E-04	1.06E-04
8173	437383.7	3763144	0.001425248	2.33E-04	1.08E-04
8174	437422.3	3763144	0.001517378	2.48E-04	1.15E-04
8175	437431.9	3763144	0.001543006	2.52E-04	1.17E-04
8176	437441.6	3763144	0.001569663	2.56E-04	1.19E-04
8177	437451.2	3763144	0.001597442	2.61E-04	1.21E-04
8178	437460.9	3763144	0.001626437	2.66E-04	1.23E-04
8179	437470.5	3763144	0.001655712	2.70E-04	1.25E-04
8180	437509.1	3763143	0.001769074	2.89E-04	1.34E-04
8181	437518.8	3763143	0.001798443	2.94E-04	1.36E-04
8182	437528.4	3763143	0.001837072	3.00E-04	1.39E-04
8183	437538.1	3763143	0.001878881	3.07E-04	1.42E-04
8184	437547.7	3763143	0.00192359	3.14E-04	1.46E-04
8185	437355.6	3763160	0.0012365	2.02E-04	9.37E-05
8186	437346.7	3763156	0.001248191	2.04E-04	9.46E-05
8187	437337.9	3763153	0.001260351	2.06E-04	9.55E-05
8188	437329	3763149	0.00127279	2.08E-04	9.64E-05
8189	437320.1	3763145	0.001285417	2.10E-04	9.74E-05
8190	437311.3	3763142	0.001298231	2.12E-04	9.84E-05
8191	437302.4	3763138	0.001310765	2.14E-04	9.93E-05
8192	437293.6	3763135	0.001323391	2.16E-04	1.00E-04
8193	437284.7	3763131	0.001335831	2.18E-04	1.01E-04
8194	437275.9	3763127	0.001348178	2.20E-04	1.02E-04
8195	437267	3763124	0.00136015	2.22E-04	1.03E-04
8196	437258.2	3763120	0.001371654	2.24E-04	1.04E-04
8197	437249.3	3763116	0.001382691	2.26E-04	1.05E-04
8198	437240.4	3763113	0.001392419	2.27E-04	1.06E-04
8199	437231.6	3763109	0.001401117	2.29E-04	1.06E-04
8200	437222.7	3763105	0.001408506	2.30E-04	1.07E-04
8201	437213.9	3763102	0.001415427	2.31E-04	1.07E-04
8202	437205	3763098	0.001421133	2.32E-04	1.08E-04
8203	437196.2	3763094	0.001425342	2.33E-04	1.08E-04
8204	437187.3	3763091	0.001427774	2.33E-04	1.08E-04
8205	437144.6	3763058	0.001526918	2.49E-04	1.16E-04
8206	437140.9	3763050	0.001580606	2.58E-04	1.20E-04
8207	437137.2	3763041	0.001634668	2.67E-04	1.24E-04
8208	437133.5	3763032	0.00168873	2.76E-04	1.28E-04
8209	437129.9	3763023	0.001742417	2.85E-04	1.32E-04
8210	437126.2	3763014	0.001795357	2.93E-04	1.36E-04

8211	437122.5	3763005	0.001847361	3.02E-04	1.40E-04
8212	437118.9	3762996	0.001897868	3.10E-04	1.44E-04
8213	437115.2	3762988	0.001946599	3.18E-04	1.48E-04
8214	437111.5	3762979	0.001993178	3.26E-04	1.51E-04
8215	437107.8	3762970	0.002037138	3.33E-04	1.54E-04
8216	437104.2	3762961	0.002078199	3.40E-04	1.57E-04
8217	437100.5	3762952	0.002115986	3.46E-04	1.60E-04
8218	437096.8	3762943	0.002149845	3.51E-04	1.63E-04
8219	437093.2	3762935	0.002179588	3.56E-04	1.65E-04
8220	437089.5	3762926	0.002204936	3.60E-04	1.67E-04
8221	437085.8	3762917	0.002226354	3.64E-04	1.69E-04
8222	437082.2	3762908	0.002243658	3.67E-04	1.70E-04
8223	437078.5	3762899	0.002256846	3.69E-04	1.71E-04
8224	437364.4	3763164	0.001225089	2.00E-04	9.28E-05
8225	437374.1	3763164	0.001241925	2.03E-04	9.41E-05
8226	437383.7	3763164	0.001258667	2.06E-04	9.54E-05
8227	437422.3	3763164	0.001335738	2.18E-04	1.01E-04
8228	437432	3763164	0.001357531	2.22E-04	1.03E-04
8229	437441.6	3763164	0.001380072	2.25E-04	1.05E-04
8230	437451.3	3763164	0.001403455	2.29E-04	1.06E-04
8231	437460.9	3763164	0.001427587	2.33E-04	1.08E-04
8232	437470.6	3763164	0.001451625	2.37E-04	1.10E-04
8233	437509.2	3763163	0.001546279	2.53E-04	1.17E-04
8234	437518.8	3763163	0.00156508	2.56E-04	1.19E-04
8235	437528.5	3763163	0.001591269	2.60E-04	1.21E-04
8236	437538.1	3763163	0.001620077	2.65E-04	1.23E-04
8237	437547.8	3763163	0.001650662	2.70E-04	1.25E-04
8238	437355.8	3763190	0.00104083	1.70E-04	7.89E-05
8239	437347.2	3763187	0.001049996	1.72E-04	7.96E-05
8240	437338.5	3763183	0.001059256	1.73E-04	8.03E-05
8241	437329.9	3763179	0.001068796	1.75E-04	8.10E-05
8242	437321.2	3763176	0.001078523	1.76E-04	8.17E-05
8243	437312.5	3763172	0.001088531	1.78E-04	8.25E-05
8244	437303.9	3763169	0.001098446	1.79E-04	8.32E-05
8245	437295.2	3763165	0.00110836	1.81E-04	8.40E-05
8246	437286.6	3763162	0.001118275	1.83E-04	8.47E-05
8247	437277.9	3763158	0.001128189	1.84E-04	8.55E-05
8248	437269.2	3763154	0.001138104	1.86E-04	8.62E-05
8249	437260.6	3763151	0.001148018	1.88E-04	8.70E-05
8250	437251.9	3763147	0.00115494	1.89E-04	8.75E-05
8251	437243.3	3763144	0.001160458	1.90E-04	8.79E-05
8252	437234.6	3763140	0.001165509	1.90E-04	8.83E-05
8253	437225.9	3763137	0.001172898	1.92E-04	8.89E-05
8254	437217.3	3763133	0.001181316	1.93E-04	8.95E-05
8255	437208.6	3763129	0.001192633	1.95E-04	9.04E-05
8256	437200	3763126	0.001204138	1.97E-04	9.12E-05
8257	437191.3	3763122	0.001209375	1.98E-04	9.16E-05
8258	437182.7	3763119	0.001214146	1.98E-04	9.20E-05
8259	437139.4	3763101	0.001220412	1.99E-04	9.25E-05
8260	437127.1	3763089	0.001259602	2.06E-04	9.54E-05
8261	437123.5	3763080	0.001301411	2.13E-04	9.86E-05
8262	437119.9	3763071	0.001343407	2.19E-04	1.02E-04

8263	437116.3	3763063	0.001385871	2.26E-04	1.05E-04
8264	437112.8	3763054	0.001428522	2.33E-04	1.08E-04
8265	437109.2	3763045	0.001471173	2.40E-04	1.11E-04
8266	437105.6	3763037	0.00151345	2.47E-04	1.15E-04
8267	437102	3763028	0.001555165	2.54E-04	1.18E-04
8268	437098.4	3763019	0.001596039	2.61E-04	1.21E-04
8269	437094.8	3763011	0.001635603	2.67E-04	1.24E-04
8270	437091.2	3763002	0.001673951	2.73E-04	1.27E-04
8271	437087.6	3762994	0.001710897	2.80E-04	1.30E-04
8272	437084	3762985	0.001745878	2.85E-04	1.32E-04
8273	437080.5	3762976	0.001778801	2.91E-04	1.35E-04
8274	437076.9	3762968	0.00180948	2.96E-04	1.37E-04
8275	437073.3	3762959	0.001837633	3.00E-04	1.39E-04
8276	437069.7	3762950	0.001862232	3.04E-04	1.41E-04
8277	437066.1	3762942	0.001883745	3.08E-04	1.43E-04
8278	437062.5	3762933	0.00190189	3.11E-04	1.44E-04
8279	437058.9	3762924	0.00191882	3.13E-04	1.45E-04
8280	437055.3	3762916	0.001933598	3.16E-04	1.47E-04
8281	437364.5	3763194	0.001031944	1.69E-04	7.82E-05
8282	437374.1	3763194	0.001044758	1.71E-04	7.92E-05
8283	437383.8	3763194	0.001058414	1.73E-04	8.02E-05
8284	437422.4	3763194	0.001114533	1.82E-04	8.45E-05
8285	437432	3763194	0.001135017	1.85E-04	8.60E-05
8286	437441.7	3763194	0.001152414	1.88E-04	8.73E-05
8287	437451.3	3763194	0.001169905	1.91E-04	8.87E-05
8288	437461	3763194	0.001187956	1.94E-04	9.00E-05
8289	437470.6	3763194	0.001206663	1.97E-04	9.14E-05
8290	437509.2	3763193	0.001288036	2.10E-04	9.76E-05
8291	437518.9	3763193	0.001303656	2.13E-04	9.88E-05
8292	437528.5	3763193	0.001317873	2.15E-04	9.99E-05
8293	437538.2	3763193	0.001333493	2.18E-04	1.01E-04
8294	437547.8	3763193	0.001350516	2.21E-04	1.02E-04
8295	437355.8	3763220	0.000888278	1.45E-04	6.73E-05
8296	437347	3763216	0.000895387	1.46E-04	6.78E-05
8297	437338.2	3763213	0.000902963	1.48E-04	6.84E-05
8298	437329.4	3763209	0.000910726	1.49E-04	6.90E-05
8299	437320.6	3763206	0.000918676	1.50E-04	6.96E-05
8300	437311.8	3763202	0.000926814	1.51E-04	7.02E-05
8301	437303	3763198	0.000934858	1.53E-04	7.08E-05
8302	437294.2	3763195	0.000943088	1.54E-04	7.15E-05
8303	437285.4	3763191	0.000951319	1.55E-04	7.21E-05
8304	437276.6	3763187	0.000959831	1.57E-04	7.27E-05
8305	437267.8	3763184	0.000968342	1.58E-04	7.34E-05
8306	437259	3763180	0.000976947	1.60E-04	7.40E-05
8307	437250.2	3763177	0.000985178	1.61E-04	7.47E-05
8308	437241.4	3763173	0.00098948	1.62E-04	7.50E-05
8309	437232.6	3763169	0.000992848	1.62E-04	7.52E-05
8310	437223.8	3763166	0.000997711	1.63E-04	7.56E-05
8311	437215	3763162	0.001002762	1.64E-04	7.60E-05
8312	437206.3	3763158	0.001008093	1.65E-04	7.64E-05
8313	437197.5	3763155	0.001013612	1.66E-04	7.68E-05
8314	437188.7	3763151	0.001019785	1.67E-04	7.73E-05

8315	437144.7	3763133	0.001054111	1.72E-04	7.99E-05
8316	437135.9	3763129	0.001055795	1.72E-04	8.00E-05
8317	437127.1	3763126	0.001056356	1.73E-04	8.00E-05
8318	437118.3	3763122	0.001055982	1.73E-04	8.00E-05
8319	437105.9	3763110	0.001088999	1.78E-04	8.25E-05
8320	437102.2	3763101	0.001123513	1.84E-04	8.51E-05
8321	437098.6	3763092	0.001158494	1.89E-04	8.78E-05
8322	437094.9	3763083	0.001193662	1.95E-04	9.05E-05
8323	437091.3	3763075	0.001229017	2.01E-04	9.31E-05
8324	437087.6	3763066	0.001264466	2.07E-04	9.58E-05
8325	437084	3763057	0.001299634	2.12E-04	9.85E-05
8326	437080.4	3763048	0.001334335	2.18E-04	1.01E-04
8327	437076.7	3763039	0.001368568	2.24E-04	1.04E-04
8328	437073.1	3763031	0.001402146	2.29E-04	1.06E-04
8329	437069.4	3763022	0.001434882	2.34E-04	1.09E-04
8330	437065.8	3763013	0.001466683	2.40E-04	1.11E-04
8331	437062.1	3763004	0.001497081	2.45E-04	1.13E-04
8332	437058.5	3762996	0.001525983	2.49E-04	1.16E-04
8333	437054.8	3762987	0.001553014	2.54E-04	1.18E-04
8334	437051.2	3762978	0.001578081	2.58E-04	1.20E-04
8335	437047.5	3762969	0.001600996	2.62E-04	1.21E-04
8336	437043.9	3762960	0.001621854	2.65E-04	1.23E-04
8337	437040.3	3762952	0.001639999	2.68E-04	1.24E-04
8338	437036.6	3762943	0.001656554	2.71E-04	1.26E-04
8339	437033	3762934	0.001670491	2.73E-04	1.27E-04
8340	437029.3	3762925	0.001682089	2.75E-04	1.27E-04
8341	437025.7	3762916	0.001691161	2.76E-04	1.28E-04
8342	437364.6	3763224	0.000881357	1.44E-04	6.68E-05
8343	437374.2	3763224	0.000891833	1.46E-04	6.76E-05
8344	437383.9	3763224	0.000900905	1.47E-04	6.83E-05
8345	437422.5	3763224	0.000933361	1.52E-04	7.07E-05
8346	437432.1	3763224	0.000945146	1.54E-04	7.16E-05
8347	437441.8	3763224	0.000960672	1.57E-04	7.28E-05
8348	437451.4	3763224	0.000976667	1.60E-04	7.40E-05
8349	437461.1	3763224	0.000993035	1.62E-04	7.52E-05
8350	437499.7	3763223	0.001057666	1.73E-04	8.01E-05
8351	437509.3	3763223	0.001076279	1.76E-04	8.16E-05
8352	437519	3763223	0.001095733	1.79E-04	8.30E-05
8353	437528.6	3763223	0.001106116	1.81E-04	8.38E-05
8354	437538.3	3763223	0.001116404	1.82E-04	8.46E-05
8355	437547.9	3763223	0.001127909	1.84E-04	8.55E-05
8356	437355.7	3763250	0.000767247	1.25E-04	5.81E-05
8357	437346.8	3763246	0.000772766	1.26E-04	5.86E-05
8358	437337.9	3763243	0.000778565	1.27E-04	5.90E-05
8359	437329	3763239	0.000784831	1.28E-04	5.95E-05
8360	437320	3763235	0.000791472	1.29E-04	6.00E-05
8361	437311.1	3763232	0.000798394	1.30E-04	6.05E-05
8362	437302.2	3763228	0.000805034	1.32E-04	6.10E-05
8363	437293.3	3763224	0.000811769	1.33E-04	6.15E-05
8364	437284.4	3763221	0.000818597	1.34E-04	6.20E-05
8365	437275.5	3763217	0.000825892	1.35E-04	6.26E-05
8366	437266.6	3763213	0.000833281	1.36E-04	6.31E-05

8367	437257.7	3763210	0.000840764	1.37E-04	6.37E-05
8368	437248.7	3763206	0.000848153	1.39E-04	6.43E-05
8369	437239.8	3763202	0.000855729	1.40E-04	6.48E-05
8370	437230.9	3763199	0.000862931	1.41E-04	6.54E-05
8371	437222	3763195	0.000869946	1.42E-04	6.59E-05
8372	437213.1	3763191	0.000876306	1.43E-04	6.64E-05
8373	437204.2	3763188	0.000882386	1.44E-04	6.69E-05
8374	437195.3	3763184	0.00088276	1.44E-04	6.69E-05
8375	437186.4	3763180	0.00088435	1.44E-04	6.70E-05
8376	437141.8	3763162	0.000912877	1.49E-04	6.92E-05
8377	437132.9	3763158	0.000918957	1.50E-04	6.96E-05
8378	437124	3763155	0.000920921	1.50E-04	6.98E-05
8379	437115.1	3763151	0.000922324	1.51E-04	6.99E-05
8380	437106.1	3763147	0.000922231	1.51E-04	6.99E-05
8381	437097.2	3763143	0.000919705	1.50E-04	6.97E-05
8382	437084.6	3763131	0.000944585	1.54E-04	7.16E-05
8383	437080.9	3763122	0.000975731	1.59E-04	7.39E-05
8384	437077.2	3763113	0.001007906	1.65E-04	7.64E-05
8385	437073.5	3763104	0.001038024	1.70E-04	7.87E-05
8386	437069.8	3763095	0.001066832	1.74E-04	8.08E-05
8387	437066.2	3763086	0.001097604	1.79E-04	8.32E-05
8388	437062.5	3763077	0.001128283	1.84E-04	8.55E-05
8389	437058.8	3763069	0.001157652	1.89E-04	8.77E-05
8390	437055.1	3763060	0.001185992	1.94E-04	8.99E-05
8391	437051.4	3763051	0.001213117	1.98E-04	9.19E-05
8392	437047.7	3763042	0.001241457	2.03E-04	9.41E-05
8393	437044	3763033	0.001268581	2.07E-04	9.61E-05
8394	437040.3	3763024	0.001293929	2.11E-04	9.80E-05
8395	437036.6	3763015	0.001320492	2.16E-04	1.00E-04
8396	437032.9	3763006	0.001345372	2.20E-04	1.02E-04
8397	437029.2	3762997	0.001367726	2.23E-04	1.04E-04
8398	437025.5	3762988	0.001388958	2.27E-04	1.05E-04
8399	437021.8	3762980	0.001408132	2.30E-04	1.07E-04
8400	437018.1	3762971	0.001425716	2.33E-04	1.08E-04
8401	437014.4	3762962	0.001441336	2.35E-04	1.09E-04
8402	437010.7	3762953	0.001455179	2.38E-04	1.10E-04
8403	437007.1	3762944	0.001467244	2.40E-04	1.11E-04
8404	437003.4	3762935	0.001477346	2.41E-04	1.12E-04
8405	436999.7	3762926	0.001485483	2.43E-04	1.13E-04
8406	436996	3762917	0.00149175	2.44E-04	1.13E-04
8407	437364.6	3763254	0.000761448	1.24E-04	5.77E-05
8408	437374.3	3763254	0.00076865	1.26E-04	5.82E-05
8409	437383.9	3763254	0.000774356	1.27E-04	5.87E-05
8410	437422.5	3763254	0.000797739	1.30E-04	6.04E-05
8411	437432.2	3763254	0.000805221	1.32E-04	6.10E-05
8412	437441.8	3763254	0.000817848	1.34E-04	6.20E-05
8413	437451.5	3763254	0.000830849	1.36E-04	6.30E-05
8414	437461.1	3763254	0.000844037	1.38E-04	6.40E-05
8415	437470.8	3763254	0.000855261	1.40E-04	6.48E-05
8416	437480.4	3763254	0.000866766	1.42E-04	6.57E-05
8417	437490.1	3763253	0.000878551	1.44E-04	6.66E-05
8418	437499.7	3763253	0.000891271	1.46E-04	6.75E-05

8419	437509.4	3763253	0.000904366	1.48E-04	6.85E-05
8420	437519	3763253	0.000917928	1.50E-04	6.96E-05
8421	437528.7	3763253	0.000930181	1.52E-04	7.05E-05
8422	437538.3	3763253	0.000942808	1.54E-04	7.14E-05
8423	437548	3763253	0.000955996	1.56E-04	7.24E-05
8424	437355.9	3763280	0.000659685	1.08E-04	5.00E-05
8425	437347.2	3763277	0.000665297	1.09E-04	5.04E-05
8426	437338.4	3763273	0.000671563	1.10E-04	5.09E-05
8427	437329.7	3763269	0.000679607	1.11E-04	5.15E-05
8428	437320.9	3763266	0.000688399	1.12E-04	5.22E-05
8429	437312.2	3763262	0.000693544	1.13E-04	5.26E-05
8430	437303.4	3763258	0.000698781	1.14E-04	5.30E-05
8431	437294.7	3763255	0.0007043	1.15E-04	5.34E-05
8432	437285.9	3763251	0.000709912	1.16E-04	5.38E-05
8433	437277.2	3763248	0.000715804	1.17E-04	5.42E-05
8434	437268.4	3763244	0.000721884	1.18E-04	5.47E-05
8435	437259.7	3763240	0.000728244	1.19E-04	5.52E-05
8436	437250.9	3763237	0.000734604	1.20E-04	5.57E-05
8437	437242.2	3763233	0.000741245	1.21E-04	5.62E-05
8438	437233.4	3763230	0.000747699	1.22E-04	5.67E-05
8439	437224.7	3763226	0.000754059	1.23E-04	5.71E-05
8440	437215.9	3763222	0.000759952	1.24E-04	5.76E-05
8441	437207.2	3763219	0.000765657	1.25E-04	5.80E-05
8442	437198.4	3763215	0.000771082	1.26E-04	5.84E-05
8443	437189.6	3763212	0.00077632	1.27E-04	5.88E-05
8444	437180.9	3763208	0.000781277	1.28E-04	5.92E-05
8445	437145.9	3763194	0.000798768	1.30E-04	6.05E-05
8446	437137.1	3763190	0.000802415	1.31E-04	6.08E-05
8447	437128.4	3763186	0.000805502	1.32E-04	6.10E-05
8448	437119.6	3763183	0.000808215	1.32E-04	6.12E-05
8449	437110.9	3763179	0.00080943	1.32E-04	6.13E-05
8450	437102.1	3763175	0.000810459	1.32E-04	6.14E-05
8451	437093.4	3763172	0.000810272	1.32E-04	6.14E-05
8452	437084.6	3763168	0.000809056	1.32E-04	6.13E-05
8453	437075.9	3763165	0.000806999	1.32E-04	6.12E-05
8454	437063.5	3763152	0.00082795	1.35E-04	6.27E-05
8455	437059.9	3763144	0.000851801	1.39E-04	6.45E-05
8456	437056.2	3763135	0.000878644	1.44E-04	6.66E-05
8457	437052.6	3763126	0.000907265	1.48E-04	6.87E-05
8458	437049	3763117	0.000934951	1.53E-04	7.08E-05
8459	437045.4	3763109	0.00095955	1.57E-04	7.27E-05
8460	437041.7	3763100	0.000984149	1.61E-04	7.46E-05
8461	437038.1	3763091	0.001008655	1.65E-04	7.64E-05
8462	437034.5	3763082	0.00103288	1.69E-04	7.83E-05
8463	437030.9	3763074	0.00105673	1.73E-04	8.01E-05
8464	437027.2	3763065	0.00108002	1.76E-04	8.18E-05
8465	437023.6	3763056	0.001102748	1.80E-04	8.36E-05
8466	437020	3763047	0.001125103	1.84E-04	8.53E-05
8467	437016.3	3763039	0.001146615	1.87E-04	8.69E-05
8468	437012.7	3763030	0.001167286	1.91E-04	8.85E-05
8469	437009.1	3763021	0.001184963	1.94E-04	8.98E-05
8470	437005.5	3763012	0.001205634	1.97E-04	9.14E-05

8471	437001.8	3763004	0.001223405	2.00E-04	9.27E-05
8472	436998.2	3762995	0.001239867	2.03E-04	9.40E-05
8473	436994.6	3762986	0.001255206	2.05E-04	9.51E-05
8474	436991	3762977	0.001269143	2.07E-04	9.62E-05
8475	436987.3	3762969	0.00128177	2.09E-04	9.71E-05
8476	436983.7	3762960	0.0012929	2.11E-04	9.80E-05
8477	436980.1	3762951	0.00130244	2.13E-04	9.87E-05
8478	436976.4	3762942	0.001310297	2.14E-04	9.93E-05
8479	436972.8	3762934	0.001316751	2.15E-04	9.98E-05
8480	436969.2	3762925	0.001321614	2.16E-04	1.00E-04
8481	436965.6	3762916	0.001325075	2.16E-04	1.00E-04
8482	436961.9	3762907	0.001326946	2.17E-04	1.01E-04
8483	436958.3	3762899	0.00132732	2.17E-04	1.01E-04
8484	437364.7	3763284	0.000654354	1.07E-04	4.96E-05
8485	437374.3	3763284	0.000661181	1.08E-04	5.01E-05
8486	437384	3763284	0.000668103	1.09E-04	5.06E-05
8487	437393.6	3763284	0.000675305	1.10E-04	5.12E-05
8488	437403.3	3763284	0.000681946	1.11E-04	5.17E-05
8489	437412.9	3763284	0.000687651	1.12E-04	5.21E-05
8490	437422.6	3763284	0.000693544	1.13E-04	5.26E-05
8491	437432.2	3763284	0.000700465	1.14E-04	5.31E-05
8492	437441.9	3763284	0.000710754	1.16E-04	5.39E-05
8493	437451.5	3763284	0.000721323	1.18E-04	5.47E-05
8494	437461.2	3763284	0.000731985	1.20E-04	5.55E-05
8495	437470.8	3763284	0.000740965	1.21E-04	5.61E-05
8496	437480.5	3763284	0.000750224	1.23E-04	5.68E-05
8497	437490.1	3763283	0.000759765	1.24E-04	5.76E-05
8498	437499.8	3763283	0.000767715	1.25E-04	5.82E-05
8499	437509.4	3763283	0.000775946	1.27E-04	5.88E-05
8500	437519.1	3763283	0.000784457	1.28E-04	5.94E-05
8501	437528.7	3763283	0.000794746	1.30E-04	6.02E-05
8502	437538.4	3763283	0.000805502	1.32E-04	6.10E-05
8503	437548	3763283	0.000816632	1.33E-04	6.19E-05
8504	437355.9	3763310	0.000576347	9.42E-05	4.37E-05
8505	437347	3763306	0.000580182	9.48E-05	4.40E-05
8506	437338.2	3763303	0.000584485	9.55E-05	4.43E-05
8507	437329.3	3763299	0.000590097	9.64E-05	4.47E-05
8508	437320.5	3763295	0.000595989	9.74E-05	4.52E-05
8509	437311.6	3763292	0.000602162	9.84E-05	4.56E-05
8510	437302.7	3763288	0.000607587	9.93E-05	4.60E-05
8511	437293.9	3763285	0.000612919	1.00E-04	4.64E-05
8512	437285	3763281	0.000618063	1.01E-04	4.68E-05
8513	437276.2	3763277	0.000623955	1.02E-04	4.73E-05
8514	437267.3	3763274	0.000631438	1.03E-04	4.78E-05
8515	437258.5	3763270	0.000638359	1.04E-04	4.84E-05
8516	437249.6	3763266	0.000643597	1.05E-04	4.88E-05
8517	437240.8	3763263	0.000649303	1.06E-04	4.92E-05
8518	437231.9	3763259	0.000655008	1.07E-04	4.96E-05
8519	437223	3763255	0.00066062	1.08E-04	5.01E-05
8520	437214.2	3763252	0.000666045	1.09E-04	5.05E-05
8521	437205.3	3763248	0.000671376	1.10E-04	5.09E-05
8522	437196.5	3763244	0.000676521	1.11E-04	5.13E-05

8523	437187.6	3763241	0.000681478	1.11E-04	5.16E-05
8524	437143.3	3763222	0.000703271	1.15E-04	5.33E-05
8525	437134.5	3763219	0.000706919	1.15E-04	5.36E-05
8526	437125.6	3763215	0.000710286	1.16E-04	5.38E-05
8527	437116.8	3763211	0.000713373	1.17E-04	5.41E-05
8528	437107.9	3763208	0.000716085	1.17E-04	5.43E-05
8529	437099.1	3763204	0.00071674	1.17E-04	5.43E-05
8530	437090.2	3763201	0.000717114	1.17E-04	5.43E-05
8531	437081.4	3763197	0.000717207	1.17E-04	5.43E-05
8532	437072.5	3763193	0.00071702	1.17E-04	5.43E-05
8533	437063.6	3763190	0.000717581	1.17E-04	5.44E-05
8534	437054.8	3763186	0.000718236	1.17E-04	5.44E-05
8535	437042.3	3763173	0.000738346	1.21E-04	5.59E-05
8536	437038.6	3763165	0.000759578	1.24E-04	5.76E-05
8537	437034.9	3763156	0.000782119	1.28E-04	5.93E-05
8538	437031.3	3763147	0.000805502	1.32E-04	6.10E-05
8539	437027.6	3763138	0.000828043	1.35E-04	6.27E-05
8540	437023.9	3763129	0.000849182	1.39E-04	6.43E-05
8541	437020.2	3763120	0.000870507	1.42E-04	6.60E-05
8542	437016.6	3763111	0.000891645	1.46E-04	6.76E-05
8543	437012.9	3763103	0.000912597	1.49E-04	6.92E-05
8544	437009.2	3763094	0.000933267	1.52E-04	7.07E-05
8545	437005.6	3763085	0.000953564	1.56E-04	7.23E-05
8546	437001.9	3763076	0.000973393	1.59E-04	7.38E-05
8547	436998.2	3763067	0.000992661	1.62E-04	7.52E-05
8548	436994.6	3763058	0.001011367	1.65E-04	7.66E-05
8549	436990.9	3763050	0.001029419	1.68E-04	7.80E-05
8550	436987.2	3763041	0.001046722	1.71E-04	7.93E-05
8551	436983.5	3763032	0.001063465	1.74E-04	8.06E-05
8552	436979.9	3763023	0.001077962	1.76E-04	8.17E-05
8553	436976.2	3763014	0.001094143	1.79E-04	8.29E-05
8554	436972.5	3763005	0.001107986	1.81E-04	8.40E-05
8555	436968.9	3762996	0.001121174	1.83E-04	8.50E-05
8556	436965.2	3762988	0.001133146	1.85E-04	8.59E-05
8557	436961.5	3762979	0.001143809	1.87E-04	8.67E-05
8558	436957.8	3762970	0.001153256	1.88E-04	8.74E-05
8559	436954.2	3762961	0.001161393	1.90E-04	8.80E-05
8560	436950.5	3762952	0.001168315	1.91E-04	8.85E-05
8561	436946.8	3762943	0.001173833	1.92E-04	8.89E-05
8562	436943.2	3762935	0.001178042	1.92E-04	8.93E-05
8563	436939.5	3762926	0.001180941	1.93E-04	8.95E-05
8564	436935.8	3762917	0.001182719	1.93E-04	8.96E-05
8565	436932.2	3762908	0.001183467	1.93E-04	8.97E-05
8566	436928.5	3762899	0.001183093	1.93E-04	8.96E-05
8567	437364.7	3763314	0.0005727	9.36E-05	4.34E-05
8568	437374.4	3763314	0.000578499	9.45E-05	4.38E-05
8569	437384	3763314	0.000584578	9.55E-05	4.43E-05
8570	437393.7	3763314	0.000590751	9.65E-05	4.48E-05
8571	437403.3	3763314	0.000597486	9.76E-05	4.53E-05
8572	437413	3763314	0.000604875	9.88E-05	4.58E-05
8573	437422.6	3763314	0.000612451	1.00E-04	4.64E-05
8574	437432.3	3763314	0.000620121	1.01E-04	4.70E-05

8575	437441.9	3763314	0.00062751	1.03E-04	4.75E-05
8576	437451.6	3763314	0.000634992	1.04E-04	4.81E-05
8577	437461.2	3763314	0.000642568	1.05E-04	4.87E-05
8578	437470.9	3763314	0.000650051	1.06E-04	4.93E-05
8579	437480.5	3763314	0.000657627	1.07E-04	4.98E-05
8580	437490.2	3763313	0.000665297	1.09E-04	5.04E-05
8581	437499.8	3763313	0.00067147	1.10E-04	5.09E-05
8582	437509.5	3763313	0.000677737	1.11E-04	5.14E-05
8583	437519.1	3763313	0.000684284	1.12E-04	5.19E-05
8584	437528.8	3763313	0.000691299	1.13E-04	5.24E-05
8585	437538.4	3763313	0.000698501	1.14E-04	5.29E-05
8586	437548.1	3763313	0.000706077	1.15E-04	5.35E-05
8587	437356.1	3763340	0.000512371	8.37E-05	3.88E-05
8588	437347.4	3763337	0.00051499	8.41E-05	3.90E-05
8589	437338.6	3763333	0.000517796	8.46E-05	3.92E-05
8590	437329.9	3763329	0.00052135	8.52E-05	3.95E-05
8591	437321.2	3763326	0.000525466	8.58E-05	3.98E-05
8592	437312.5	3763322	0.000529955	8.66E-05	4.02E-05
8593	437303.8	3763319	0.000534071	8.72E-05	4.05E-05
8594	437295	3763315	0.000538093	8.79E-05	4.08E-05
8595	437286.3	3763311	0.000542302	8.86E-05	4.11E-05
8596	437277.6	3763308	0.000546698	8.93E-05	4.14E-05
8597	437268.9	3763304	0.000551935	9.02E-05	4.18E-05
8598	437260.2	3763301	0.000557547	9.11E-05	4.22E-05
8599	437251.4	3763297	0.000563814	9.21E-05	4.27E-05
8600	437242.7	3763293	0.00056952	9.30E-05	4.32E-05
8601	437234	3763290	0.000575131	9.40E-05	4.36E-05
8602	437225.3	3763286	0.000581024	9.49E-05	4.40E-05
8603	437216.6	3763283	0.000585607	9.57E-05	4.44E-05
8604	437207.9	3763279	0.000590284	9.64E-05	4.47E-05
8605	437199.1	3763275	0.00059496	9.72E-05	4.51E-05
8606	437190.4	3763272	0.000599637	9.80E-05	4.54E-05
8607	437181.7	3763268	0.000604033	9.87E-05	4.58E-05
8608	437146.8	3763254	0.000620214	1.01E-04	4.70E-05
8609	437138.1	3763250	0.000623955	1.02E-04	4.73E-05
8610	437129.4	3763247	0.00062751	1.03E-04	4.75E-05
8611	437120.7	3763243	0.000630783	1.03E-04	4.78E-05
8612	437111.9	3763239	0.000633028	1.03E-04	4.80E-05
8613	437103.2	3763236	0.000634992	1.04E-04	4.81E-05
8614	437094.5	3763232	0.000637798	1.04E-04	4.83E-05
8615	437085.8	3763229	0.000640324	1.05E-04	4.85E-05
8616	437077.1	3763225	0.000641914	1.05E-04	4.86E-05
8617	437068.3	3763221	0.000642943	1.05E-04	4.87E-05
8618	437059.6	3763218	0.000643971	1.05E-04	4.88E-05
8619	437050.9	3763214	0.000644626	1.05E-04	4.88E-05
8620	437042.2	3763211	0.000645094	1.05E-04	4.89E-05
8621	437033.5	3763207	0.000645936	1.06E-04	4.89E-05
8622	437021.1	3763195	0.000663613	1.08E-04	5.03E-05
8623	437017.5	3763186	0.000679981	1.11E-04	5.15E-05
8624	437013.9	3763177	0.00069635	1.14E-04	5.28E-05
8625	437010.3	3763169	0.000713092	1.16E-04	5.40E-05
8626	437006.7	3763160	0.000733856	1.20E-04	5.56E-05

8627	437003.1	3763151	0.000754246	1.23E-04	5.72E-05
8628	436999.4	3763143	0.000772017	1.26E-04	5.85E-05
8629	436995.8	3763134	0.000789882	1.29E-04	5.99E-05
8630	436992.2	3763125	0.00080756	1.32E-04	6.12E-05
8631	436988.6	3763116	0.000825237	1.35E-04	6.25E-05
8632	436985	3763108	0.000842634	1.38E-04	6.39E-05
8633	436981.4	3763099	0.000859564	1.40E-04	6.51E-05
8634	436977.8	3763090	0.000876306	1.43E-04	6.64E-05
8635	436974.2	3763082	0.000892674	1.46E-04	6.76E-05
8636	436970.5	3763073	0.000908481	1.48E-04	6.88E-05
8637	436966.9	3763064	0.000923821	1.51E-04	7.00E-05
8638	436963.3	3763055	0.000938599	1.53E-04	7.11E-05
8639	436959.7	3763047	0.000952722	1.56E-04	7.22E-05
8640	436956.1	3763038	0.000966097	1.58E-04	7.32E-05
8641	436952.5	3763029	0.000978818	1.60E-04	7.42E-05
8642	436948.9	3763021	0.000990696	1.62E-04	7.51E-05
8643	436945.2	3763012	0.001002107	1.64E-04	7.59E-05
8644	436941.6	3763003	0.001012489	1.65E-04	7.67E-05
8645	436938	3762994	0.00102203	1.67E-04	7.74E-05
8646	436934.4	3762986	0.001030448	1.68E-04	7.81E-05
8647	436930.8	3762977	0.001038024	1.70E-04	7.87E-05
8648	436927.2	3762968	0.001044571	1.71E-04	7.92E-05
8649	436923.6	3762960	0.001049996	1.72E-04	7.96E-05
8650	436919.9	3762951	0.001054298	1.72E-04	7.99E-05
8651	436916.3	3762942	0.001057385	1.73E-04	8.01E-05
8652	436912.7	3762933	0.001060004	1.73E-04	8.03E-05
8653	436909.1	3762925	0.001061688	1.73E-04	8.05E-05
8654	436905.5	3762916	0.001062342	1.74E-04	8.05E-05
8655	436901.9	3762907	0.001062249	1.74E-04	8.05E-05
8656	436898.3	3762899	0.001061126	1.73E-04	8.04E-05
8657	437364.8	3763344	0.000509939	8.33E-05	3.86E-05
8658	437374.5	3763344	0.000514803	8.41E-05	3.90E-05
8659	437384.1	3763344	0.000519947	8.49E-05	3.94E-05
8660	437393.8	3763344	0.000525185	8.58E-05	3.98E-05
8661	437403.4	3763344	0.000530984	8.67E-05	4.02E-05
8662	437413.1	3763344	0.000537718	8.78E-05	4.07E-05
8663	437422.7	3763344	0.00054464	8.90E-05	4.13E-05
8664	437432.4	3763344	0.000551374	9.01E-05	4.18E-05
8665	437442	3763344	0.000557267	9.10E-05	4.22E-05
8666	437451.7	3763344	0.000563253	9.20E-05	4.27E-05
8667	437461.3	3763344	0.000569332	9.30E-05	4.31E-05
8668	437471	3763344	0.000575599	9.40E-05	4.36E-05
8669	437480.6	3763344	0.000581866	9.51E-05	4.41E-05
8670	437490.3	3763343	0.000588226	9.61E-05	4.46E-05
8671	437499.9	3763343	0.000595615	9.73E-05	4.51E-05
8672	437509.6	3763343	0.000603004	9.85E-05	4.57E-05
8673	437519.2	3763343	0.000610674	9.98E-05	4.63E-05
8674	437528.9	3763343	0.00061507	1.00E-04	4.66E-05
8675	437538.5	3763343	0.000619466	1.01E-04	4.69E-05
8676	437548.2	3763343	0.000624143	1.02E-04	4.73E-05
8677	437356	3763370	0.000462331	7.55E-05	3.50E-05
8678	437347.2	3763366	0.000464108	7.58E-05	3.52E-05

8679	437338.4	3763363	0.000465885	7.61E-05	3.53E-05
8680	437329.6	3763359	0.00046785	7.64E-05	3.55E-05
8681	437320.8	3763356	0.000469907	7.68E-05	3.56E-05
8682	437312	3763352	0.000472152	7.71E-05	3.58E-05
8683	437303.2	3763348	0.00047421	7.75E-05	3.59E-05
8684	437294.4	3763345	0.000476735	7.79E-05	3.61E-05
8685	437285.6	3763341	0.000479728	7.84E-05	3.64E-05
8686	437276.7	3763337	0.000483189	7.89E-05	3.66E-05
8687	437267.9	3763334	0.000487304	7.96E-05	3.69E-05
8688	437259.1	3763330	0.000491513	8.03E-05	3.72E-05
8689	437250.3	3763326	0.000495909	8.10E-05	3.76E-05
8690	437241.5	3763323	0.000500493	8.18E-05	3.79E-05
8691	437232.7	3763319	0.000504982	8.25E-05	3.83E-05
8692	437223.9	3763316	0.000509659	8.33E-05	3.86E-05
8693	437215.1	3763312	0.000514429	8.40E-05	3.90E-05
8694	437206.2	3763308	0.000519293	8.48E-05	3.93E-05
8695	437197.4	3763305	0.00052425	8.56E-05	3.97E-05
8696	437188.6	3763301	0.000529114	8.64E-05	4.01E-05
8697	437144.6	3763283	0.000550345	8.99E-05	4.17E-05
8698	437135.7	3763279	0.000553151	9.04E-05	4.19E-05
8699	437126.9	3763276	0.000555864	9.08E-05	4.21E-05
8700	437118.1	3763272	0.000558389	9.12E-05	4.23E-05
8701	437109.3	3763268	0.000560821	9.16E-05	4.25E-05
8702	437100.5	3763265	0.000563159	9.20E-05	4.27E-05
8703	437091.7	3763261	0.000567368	9.27E-05	4.30E-05
8704	437082.9	3763257	0.000571484	9.34E-05	4.33E-05
8705	437074.1	3763254	0.000575038	9.39E-05	4.36E-05
8706	437065.2	3763250	0.000577657	9.44E-05	4.38E-05
8707	437056.4	3763247	0.000579528	9.47E-05	4.39E-05
8708	437047.6	3763243	0.000581211	9.49E-05	4.40E-05
8709	437038.8	3763239	0.000582708	9.52E-05	4.42E-05
8710	437030	3763236	0.00058383	9.54E-05	4.42E-05
8711	437021.2	3763232	0.000584765	9.55E-05	4.43E-05
8712	437012.4	3763228	0.000585514	9.57E-05	4.44E-05
8713	436999.9	3763216	0.000600572	9.81E-05	4.55E-05
8714	436996.2	3763207	0.00061535	1.01E-04	4.66E-05
8715	436992.6	3763198	0.000630222	1.03E-04	4.78E-05
8716	436988.9	3763190	0.000645	1.05E-04	4.89E-05
8717	436985.3	3763181	0.000660246	1.08E-04	5.00E-05
8718	436981.6	3763172	0.000675772	1.10E-04	5.12E-05
8719	436978	3763163	0.000692515	1.13E-04	5.25E-05
8720	436974.3	3763154	0.000708135	1.16E-04	5.37E-05
8721	436970.7	3763145	0.000723474	1.18E-04	5.48E-05
8722	436967	3763137	0.000738813	1.21E-04	5.60E-05
8723	436963.4	3763128	0.000754059	1.23E-04	5.71E-05
8724	436959.7	3763119	0.000768931	1.26E-04	5.83E-05
8725	436956.1	3763110	0.000783615	1.28E-04	5.94E-05
8726	436952.4	3763101	0.000798113	1.30E-04	6.05E-05
8727	436948.8	3763093	0.000812236	1.33E-04	6.15E-05
8728	436945.1	3763084	0.000826079	1.35E-04	6.26E-05
8729	436941.5	3763075	0.000839361	1.37E-04	6.36E-05
8730	436937.8	3763066	0.000852081	1.39E-04	6.46E-05

8731	436934.2	3763057	0.00086424	1.41E-04	6.55E-05
8732	436930.5	3763049	0.000875839	1.43E-04	6.64E-05
8733	436926.9	3763040	0.000886782	1.45E-04	6.72E-05
8734	436923.2	3763031	0.000897164	1.47E-04	6.80E-05
8735	436919.5	3763022	0.000906798	1.48E-04	6.87E-05
8736	436915.9	3763013	0.000915683	1.50E-04	6.94E-05
8737	436912.2	3763005	0.000923821	1.51E-04	7.00E-05
8738	436908.6	3762996	0.00093121	1.52E-04	7.06E-05
8739	436904.9	3762987	0.000937757	1.53E-04	7.11E-05
8740	436901.3	3762978	0.000943369	1.54E-04	7.15E-05
8741	436897.6	3762969	0.000948233	1.55E-04	7.19E-05
8742	436894	3762961	0.000952161	1.56E-04	7.22E-05
8743	436890.3	3762952	0.000955248	1.56E-04	7.24E-05
8744	436886.7	3762943	0.000957679	1.56E-04	7.26E-05
8745	436883	3762934	0.000959176	1.57E-04	7.27E-05
8746	436879.4	3762925	0.000960018	1.57E-04	7.27E-05
8747	436875.7	3762917	0.000960018	1.57E-04	7.27E-05
8748	436872.1	3762908	0.000959457	1.57E-04	7.27E-05
8749	436868.4	3762899	0.000958241	1.57E-04	7.26E-05
8750	437364.9	3763374	0.000460648	7.53E-05	3.49E-05
8751	437374.5	3763374	0.000464202	7.58E-05	3.52E-05
8752	437384.2	3763374	0.000466914	7.63E-05	3.54E-05
8753	437393.8	3763374	0.000469907	7.68E-05	3.56E-05
8754	437403.5	3763374	0.000473836	7.74E-05	3.59E-05
8755	437413.1	3763374	0.000479448	7.83E-05	3.63E-05
8756	437422.8	3763374	0.000485247	7.93E-05	3.68E-05
8757	437432.4	3763374	0.000490859	8.02E-05	3.72E-05
8758	437442.1	3763374	0.000495816	8.10E-05	3.76E-05
8759	437451.7	3763374	0.000500867	8.18E-05	3.80E-05
8760	437461.4	3763374	0.000506011	8.27E-05	3.83E-05
8761	437471	3763374	0.000512091	8.37E-05	3.88E-05
8762	437480.7	3763374	0.000518264	8.47E-05	3.93E-05
8763	437490.3	3763373	0.000524437	8.57E-05	3.97E-05
8764	437500	3763373	0.000530142	8.66E-05	4.02E-05
8765	437509.6	3763373	0.000535941	8.76E-05	4.06E-05
8766	437519.3	3763373	0.000541834	8.85E-05	4.11E-05
8767	437528.9	3763373	0.000547072	8.94E-05	4.15E-05
8768	437538.6	3763373	0.00055231	9.02E-05	4.19E-05
8769	437548.2	3763373	0.000557734	9.11E-05	4.23E-05
8770	437356	3763400	0.000419868	6.86E-05	3.18E-05
8771	437347.1	3763396	0.000422019	6.89E-05	3.20E-05
8772	437338.2	3763393	0.000423889	6.92E-05	3.21E-05
8773	437329.3	3763389	0.00042576	6.96E-05	3.23E-05
8774	437320.4	3763385	0.000427444	6.98E-05	3.24E-05
8775	437311.5	3763382	0.000429034	7.01E-05	3.25E-05
8776	437302.6	3763378	0.000430811	7.04E-05	3.26E-05
8777	437293.7	3763374	0.000432588	7.07E-05	3.28E-05
8778	437284.9	3763371	0.000434271	7.09E-05	3.29E-05
8779	437276	3763367	0.000435862	7.12E-05	3.30E-05
8780	437267.1	3763363	0.000437639	7.15E-05	3.32E-05
8781	437258.2	3763360	0.00043979	7.18E-05	3.33E-05
8782	437249.3	3763356	0.000442222	7.22E-05	3.35E-05

8783	437240.4	3763352	0.000445682	7.28E-05	3.38E-05
8784	437231.5	3763349	0.000449704	7.35E-05	3.41E-05
8785	437222.6	3763345	0.0004541	7.42E-05	3.44E-05
8786	437213.7	3763341	0.000458029	7.48E-05	3.47E-05
8787	437204.8	3763338	0.00046177	7.54E-05	3.50E-05
8788	437195.9	3763334	0.000465605	7.61E-05	3.53E-05
8789	437187	3763330	0.000469533	7.67E-05	3.56E-05
8790	437142.5	3763312	0.000488988	7.99E-05	3.71E-05
8791	437133.6	3763308	0.000492449	8.04E-05	3.73E-05
8792	437124.7	3763305	0.000495629	8.10E-05	3.76E-05
8793	437115.8	3763301	0.000498528	8.14E-05	3.78E-05
8794	437106.9	3763297	0.00050096	8.18E-05	3.80E-05
8795	437098	3763294	0.000503579	8.23E-05	3.82E-05
8796	437089.1	3763290	0.000507227	8.29E-05	3.84E-05
8797	437080.2	3763286	0.000511155	8.35E-05	3.87E-05
8798	437071.3	3763283	0.000515084	8.41E-05	3.90E-05
8799	437062.4	3763279	0.000518544	8.47E-05	3.93E-05
8800	437053.5	3763275	0.000521444	8.52E-05	3.95E-05
8801	437044.6	3763272	0.000524063	8.56E-05	3.97E-05
8802	437035.7	3763268	0.000525933	8.59E-05	3.99E-05
8803	437026.8	3763264	0.000527523	8.62E-05	4.00E-05
8804	437018	3763261	0.000528833	8.64E-05	4.01E-05
8805	437009.1	3763257	0.000530142	8.66E-05	4.02E-05
8806	437000.2	3763253	0.000531919	8.69E-05	4.03E-05
8807	436991.3	3763250	0.000532668	8.70E-05	4.04E-05
8808	436978.7	3763237	0.000545762	8.92E-05	4.14E-05
8809	436975	3763228	0.000557828	9.11E-05	4.23E-05
8810	436971.3	3763219	0.000570922	9.33E-05	4.33E-05
8811	436967.6	3763210	0.000584111	9.54E-05	4.43E-05
8812	436963.9	3763202	0.000597486	9.76E-05	4.53E-05
8813	436960.2	3763193	0.000610861	9.98E-05	4.63E-05
8814	436956.6	3763184	0.00062433	1.02E-04	4.73E-05
8815	436952.9	3763175	0.000637798	1.04E-04	4.83E-05
8816	436949.2	3763166	0.000651828	1.06E-04	4.94E-05
8817	436945.5	3763157	0.000665764	1.09E-04	5.04E-05
8818	436941.8	3763148	0.00067914	1.11E-04	5.15E-05
8819	436938.1	3763139	0.000692328	1.13E-04	5.25E-05
8820	436934.4	3763130	0.000705329	1.15E-04	5.34E-05
8821	436930.7	3763122	0.000718049	1.17E-04	5.44E-05
8822	436927.1	3763113	0.000730583	1.19E-04	5.54E-05
8823	436923.4	3763104	0.000742835	1.21E-04	5.63E-05
8824	436919.7	3763095	0.000754714	1.23E-04	5.72E-05
8825	436916	3763086	0.000766312	1.25E-04	5.81E-05
8826	436912.3	3763077	0.000777349	1.27E-04	5.89E-05
8827	436908.6	3763068	0.000787918	1.29E-04	5.97E-05
8828	436904.9	3763059	0.000797926	1.30E-04	6.05E-05
8829	436901.2	3763050	0.000807466	1.32E-04	6.12E-05
8830	436897.6	3763042	0.000816352	1.33E-04	6.19E-05
8831	436893.9	3763033	0.000824676	1.35E-04	6.25E-05
8832	436890.2	3763024	0.000832439	1.36E-04	6.31E-05
8833	436886.5	3763015	0.000839548	1.37E-04	6.36E-05
8834	436882.8	3763006	0.000846002	1.38E-04	6.41E-05

8835	436879.1	3762997	0.000851801	1.39E-04	6.45E-05
8836	436875.4	3762988	0.000856851	1.40E-04	6.49E-05
8837	436871.7	3762979	0.000861154	1.41E-04	6.53E-05
8838	436868.1	3762970	0.000864802	1.41E-04	6.55E-05
8839	436864.4	3762962	0.000867701	1.42E-04	6.58E-05
8840	436860.7	3762953	0.000869946	1.42E-04	6.59E-05
8841	436857	3762944	0.000871442	1.42E-04	6.60E-05
8842	436853.3	3762935	0.000872284	1.43E-04	6.61E-05
8843	436849.6	3762926	0.000872565	1.43E-04	6.61E-05
8844	436845.9	3762917	0.000872284	1.43E-04	6.61E-05
8845	436842.2	3762908	0.000871442	1.42E-04	6.60E-05
8846	436838.6	3762899	0.000869946	1.42E-04	6.59E-05
8847	437364.9	3763404	0.000417716	6.82E-05	3.17E-05
8848	437374.6	3763404	0.000420242	6.87E-05	3.18E-05
8849	437384.2	3763404	0.000422206	6.90E-05	3.20E-05
8850	437393.9	3763404	0.000424451	6.93E-05	3.22E-05
8851	437403.5	3763404	0.000427163	6.98E-05	3.24E-05
8852	437413.2	3763404	0.000430624	7.03E-05	3.26E-05
8853	437422.8	3763404	0.000434084	7.09E-05	3.29E-05
8854	437432.5	3763404	0.000437826	7.15E-05	3.32E-05
8855	437442.1	3763404	0.000442502	7.23E-05	3.35E-05
8856	437451.8	3763404	0.000447834	7.32E-05	3.39E-05
8857	437461.4	3763404	0.000452791	7.40E-05	3.43E-05
8858	437471.1	3763404	0.00045728	7.47E-05	3.47E-05
8859	437480.7	3763404	0.000461957	7.55E-05	3.50E-05
8860	437490.4	3763403	0.00046654	7.62E-05	3.54E-05
8861	437500	3763403	0.000471123	7.70E-05	3.57E-05
8862	437509.7	3763403	0.000475706	7.77E-05	3.60E-05
8863	437519.3	3763403	0.00048029	7.85E-05	3.64E-05
8864	437529	3763403	0.000484405	7.91E-05	3.67E-05
8865	437538.6	3763403	0.000488427	7.98E-05	3.70E-05
8866	437548.3	3763403	0.000490578	8.01E-05	3.72E-05
8867	437356.2	3763430	0.000382455	6.25E-05	2.90E-05
8868	437347.4	3763427	0.000384606	6.28E-05	2.91E-05
8869	437338.7	3763423	0.000386944	6.32E-05	2.93E-05
8870	437329.9	3763419	0.000389282	6.36E-05	2.95E-05
8871	437321.1	3763416	0.000391808	6.40E-05	2.97E-05
8872	437312.3	3763412	0.000394427	6.44E-05	2.99E-05
8873	437303.5	3763408	0.000396858	6.48E-05	3.01E-05
8874	437294.8	3763405	0.000398729	6.51E-05	3.02E-05
8875	437286	3763401	0.000400413	6.54E-05	3.03E-05
8876	437277.2	3763398	0.000401442	6.56E-05	3.04E-05
8877	437268.4	3763394	0.000401535	6.56E-05	3.04E-05
8878	437259.6	3763390	0.000402003	6.57E-05	3.05E-05
8879	437250.9	3763387	0.000402845	6.58E-05	3.05E-05
8880	437242.1	3763383	0.000404528	6.61E-05	3.07E-05
8881	437233.3	3763379	0.000406773	6.65E-05	3.08E-05
8882	437224.5	3763376	0.000409392	6.69E-05	3.10E-05
8883	437215.8	3763372	0.000412291	6.74E-05	3.12E-05
8884	437207	3763369	0.000415097	6.78E-05	3.15E-05
8885	437198.2	3763365	0.000417997	6.83E-05	3.17E-05
8886	437189.4	3763361	0.00042099	6.88E-05	3.19E-05

8887	437145.5	3763343	0.000438668	7.17E-05	3.32E-05
8888	437136.7	3763340	0.000441661	7.22E-05	3.35E-05
8889	437128	3763336	0.000444467	7.26E-05	3.37E-05
8890	437119.2	3763332	0.000447085	7.30E-05	3.39E-05
8891	437110.4	3763329	0.000449798	7.35E-05	3.41E-05
8892	437101.6	3763325	0.000452604	7.39E-05	3.43E-05
8893	437092.9	3763322	0.000456252	7.45E-05	3.46E-05
8894	437084.1	3763318	0.000459806	7.51E-05	3.48E-05
8895	437075.3	3763314	0.00046308	7.57E-05	3.51E-05
8896	437066.5	3763311	0.000465979	7.61E-05	3.53E-05
8897	437057.7	3763307	0.000468691	7.66E-05	3.55E-05
8898	437049	3763303	0.000471404	7.70E-05	3.57E-05
8899	437040.2	3763300	0.00047421	7.75E-05	3.59E-05
8900	437031.4	3763296	0.000476361	7.78E-05	3.61E-05
8901	437022.6	3763293	0.000478512	7.82E-05	3.63E-05
8902	437013.8	3763289	0.00048029	7.85E-05	3.64E-05
8903	437005.1	3763285	0.000481225	7.86E-05	3.65E-05
8904	436996.3	3763282	0.00048216	7.88E-05	3.65E-05
8905	436987.5	3763278	0.000483376	7.90E-05	3.66E-05
8906	436978.7	3763274	0.000484779	7.92E-05	3.67E-05
8907	436970	3763271	0.000485621	7.93E-05	3.68E-05
8908	436957.5	3763258	0.000497687	8.13E-05	3.77E-05
8909	436953.9	3763250	0.000508349	8.30E-05	3.85E-05
8910	436950.3	3763241	0.000519293	8.48E-05	3.93E-05
8911	436946.6	3763232	0.00053061	8.67E-05	4.02E-05
8912	436943	3763223	0.000542114	8.86E-05	4.11E-05
8913	436939.3	3763215	0.000553619	9.04E-05	4.20E-05
8914	436935.7	3763206	0.000565217	9.23E-05	4.28E-05
8915	436932.1	3763197	0.000576815	9.42E-05	4.37E-05
8916	436928.4	3763188	0.000588413	9.61E-05	4.46E-05
8917	436924.8	3763180	0.000600011	9.80E-05	4.55E-05
8918	436921.1	3763171	0.000611516	9.99E-05	4.63E-05
8919	436917.5	3763162	0.000623955	1.02E-04	4.73E-05
8920	436913.9	3763153	0.000635273	1.04E-04	4.81E-05
8921	436910.2	3763144	0.000646403	1.06E-04	4.90E-05
8922	436906.6	3763136	0.00065744	1.07E-04	4.98E-05
8923	436903	3763127	0.000668196	1.09E-04	5.06E-05
8924	436899.3	3763118	0.000678766	1.11E-04	5.14E-05
8925	436895.7	3763109	0.000689054	1.13E-04	5.22E-05
8926	436892	3763101	0.000698969	1.14E-04	5.30E-05
8927	436888.4	3763092	0.000708415	1.16E-04	5.37E-05
8928	436884.8	3763083	0.000717581	1.17E-04	5.44E-05
8929	436881.1	3763074	0.00072628	1.19E-04	5.50E-05
8930	436877.5	3763065	0.000734604	1.20E-04	5.57E-05
8931	436873.9	3763057	0.000742461	1.21E-04	5.63E-05
8932	436870.2	3763048	0.000749944	1.23E-04	5.68E-05
8933	436866.6	3763039	0.000756865	1.24E-04	5.74E-05
8934	436862.9	3763030	0.000763225	1.25E-04	5.78E-05
8935	436859.3	3763022	0.000769118	1.26E-04	5.83E-05
8936	436855.7	3763013	0.000774356	1.27E-04	5.87E-05
8937	436852	3763004	0.000779032	1.27E-04	5.90E-05
8938	436848.4	3762995	0.000783241	1.28E-04	5.94E-05

8939	436844.7	3762987	0.000786796	1.29E-04	5.96E-05
8940	436841.1	3762978	0.000789789	1.29E-04	5.98E-05
8941	436837.5	3762969	0.00079222	1.29E-04	6.00E-05
8942	436833.8	3762960	0.000794091	1.30E-04	6.02E-05
8943	436830.2	3762951	0.000795401	1.30E-04	6.03E-05
8944	436826.6	3762943	0.000796242	1.30E-04	6.03E-05
8945	436822.9	3762934	0.000796523	1.30E-04	6.04E-05
8946	436819.3	3762925	0.000796336	1.30E-04	6.03E-05
8947	436815.6	3762916	0.000795681	1.30E-04	6.03E-05
8948	436812	3762908	0.000794559	1.30E-04	6.02E-05
8949	437365	3763434	0.000380397	6.21E-05	2.88E-05
8950	437374.6	3763434	0.000382735	6.25E-05	2.90E-05
8951	437384.3	3763434	0.000385073	6.29E-05	2.92E-05
8952	437393.9	3763434	0.000387505	6.33E-05	2.94E-05
8953	437403.6	3763434	0.000390031	6.37E-05	2.96E-05
8954	437413.2	3763434	0.000392837	6.42E-05	2.98E-05
8955	437422.9	3763434	0.000395549	6.46E-05	3.00E-05
8956	437432.5	3763434	0.000398168	6.50E-05	3.02E-05
8957	437442.2	3763434	0.0004006	6.54E-05	3.04E-05
8958	437451.8	3763434	0.000403125	6.59E-05	3.05E-05
8959	437461.5	3763434	0.000405744	6.63E-05	3.07E-05
8960	437471.1	3763434	0.000409766	6.69E-05	3.11E-05
8961	437480.8	3763434	0.000413975	6.76E-05	3.14E-05
8962	437490.4	3763433	0.00041809	6.83E-05	3.17E-05
8963	437500.1	3763433	0.000421738	6.89E-05	3.20E-05
8964	437509.7	3763433	0.000425479	6.95E-05	3.22E-05
8965	437519.4	3763433	0.000429221	7.01E-05	3.25E-05
8966	437529	3763433	0.000432214	7.06E-05	3.28E-05
8967	437538.7	3763433	0.0004353	7.11E-05	3.30E-05
8968	437548.3	3763433	0.000438387	7.16E-05	3.32E-05
8969	437356.2	3763460	0.000348783	5.70E-05	2.64E-05
8970	437347.3	3763456	0.000350186	5.72E-05	2.65E-05
8971	437338.5	3763453	0.000351963	5.75E-05	2.67E-05
8972	437329.6	3763449	0.000354488	5.79E-05	2.69E-05
8973	437320.8	3763445	0.000357107	5.83E-05	2.71E-05
8974	437311.9	3763442	0.000359913	5.88E-05	2.73E-05
8975	437303.1	3763438	0.000362626	5.92E-05	2.75E-05
8976	437294.2	3763435	0.000364309	5.95E-05	2.76E-05
8977	437285.3	3763431	0.000366086	5.98E-05	2.77E-05
8978	437276.5	3763427	0.000367863	6.01E-05	2.79E-05
8979	437267.6	3763424	0.000369734	6.04E-05	2.80E-05
8980	437258.8	3763420	0.000370482	6.05E-05	2.81E-05
8981	437249.9	3763416	0.00037095	6.06E-05	2.81E-05
8982	437241.1	3763413	0.000371324	6.07E-05	2.81E-05
8983	437232.2	3763409	0.000372072	6.08E-05	2.82E-05
8984	437223.4	3763405	0.000373101	6.10E-05	2.83E-05
8985	437214.5	3763402	0.000374878	6.12E-05	2.84E-05
8986	437205.6	3763398	0.000376936	6.16E-05	2.86E-05
8987	437196.8	3763394	0.000379274	6.20E-05	2.87E-05
8988	437187.9	3763391	0.000381893	6.24E-05	2.89E-05
8989	437143.7	3763372	0.000396578	6.48E-05	3.01E-05
8990	437134.8	3763369	0.000399571	6.53E-05	3.03E-05

8991	437125.9	3763365	0.000402377	6.57E-05	3.05E-05
8992	437117.1	3763361	0.000404809	6.61E-05	3.07E-05
8993	437108.2	3763358	0.000407054	6.65E-05	3.08E-05
8994	437099.4	3763354	0.000409298	6.69E-05	3.10E-05
8995	437090.5	3763351	0.000412385	6.74E-05	3.12E-05
8996	437081.7	3763347	0.000415752	6.79E-05	3.15E-05
8997	437072.8	3763343	0.000419119	6.85E-05	3.18E-05
8998	437064	3763340	0.000422206	6.90E-05	3.20E-05
8999	437055.1	3763336	0.000425012	6.94E-05	3.22E-05
9000	437046.2	3763332	0.000427537	6.98E-05	3.24E-05
9001	437037.4	3763329	0.000429688	7.02E-05	3.26E-05
9002	437028.5	3763325	0.000431559	7.05E-05	3.27E-05
9003	437019.7	3763321	0.000433336	7.08E-05	3.28E-05
9004	437010.8	3763318	0.000435207	7.11E-05	3.30E-05
9005	437002	3763314	0.00043689	7.14E-05	3.31E-05
9006	436993.1	3763310	0.0004382	7.16E-05	3.32E-05
9007	436984.3	3763307	0.000439322	7.18E-05	3.33E-05
9008	436975.4	3763303	0.000440071	7.19E-05	3.33E-05
9009	436966.5	3763299	0.000440912	7.20E-05	3.34E-05
9010	436957.7	3763296	0.000441848	7.22E-05	3.35E-05
9011	436948.8	3763292	0.000442689	7.23E-05	3.35E-05
9012	436936.3	3763280	0.000452884	7.40E-05	3.43E-05
9013	436932.6	3763271	0.00046308	7.57E-05	3.51E-05
9014	436929	3763262	0.000473368	7.73E-05	3.59E-05
9015	436925.3	3763253	0.00048375	7.90E-05	3.67E-05
9016	436921.6	3763244	0.000494319	8.08E-05	3.75E-05
9017	436918	3763235	0.000505076	8.25E-05	3.83E-05
9018	436914.3	3763227	0.000515645	8.42E-05	3.91E-05
9019	436910.6	3763218	0.00052584	8.59E-05	3.98E-05
9020	436906.9	3763209	0.000536315	8.76E-05	4.06E-05
9021	436903.3	3763200	0.000546978	8.94E-05	4.14E-05
9022	436899.6	3763191	0.000557173	9.10E-05	4.22E-05
9023	436895.9	3763182	0.000567275	9.27E-05	4.30E-05
9024	436892.3	3763173	0.000577376	9.43E-05	4.38E-05
9025	436888.6	3763165	0.000587852	9.60E-05	4.45E-05
9026	436884.9	3763156	0.000597953	9.77E-05	4.53E-05
9027	436881.3	3763147	0.000607587	9.93E-05	4.60E-05
9028	436877.6	3763138	0.000617034	1.01E-04	4.68E-05
9029	436873.9	3763129	0.0006262	1.02E-04	4.75E-05
9030	436870.2	3763120	0.000635179	1.04E-04	4.81E-05
9031	436866.6	3763111	0.000643878	1.05E-04	4.88E-05
9032	436862.9	3763103	0.000652202	1.07E-04	4.94E-05
9033	436859.2	3763094	0.000660153	1.08E-04	5.00E-05
9034	436855.6	3763085	0.000667729	1.09E-04	5.06E-05
9035	436851.9	3763076	0.000675024	1.10E-04	5.12E-05
9036	436848.2	3763067	0.000682039	1.11E-04	5.17E-05
9037	436844.6	3763058	0.000688586	1.12E-04	5.22E-05
9038	436840.9	3763050	0.000694666	1.13E-04	5.26E-05
9039	436837.2	3763041	0.000700278	1.14E-04	5.31E-05
9040	436833.5	3763032	0.000705422	1.15E-04	5.35E-05
9041	436829.9	3763023	0.000710005	1.16E-04	5.38E-05
9042	436826.2	3763014	0.000714121	1.17E-04	5.41E-05

9043	436822.5	3763005	0.000717862	1.17E-04	5.44E-05
9044	436818.9	3762996	0.000720949	1.18E-04	5.46E-05
9045	436815.2	3762988	0.000723755	1.18E-04	5.48E-05
9046	436811.5	3762979	0.000725999	1.19E-04	5.50E-05
9047	436807.8	3762970	0.000727776	1.19E-04	5.51E-05
9048	436804.2	3762961	0.000729086	1.19E-04	5.52E-05
9049	436800.5	3762952	0.000729928	1.19E-04	5.53E-05
9050	436796.8	3762943	0.000730302	1.19E-04	5.53E-05
9051	436793.2	3762935	0.000730208	1.19E-04	5.53E-05
9052	436789.5	3762926	0.000729741	1.19E-04	5.53E-05
9053	436785.8	3762917	0.000728899	1.19E-04	5.52E-05
9054	436782.2	3762908	0.000727683	1.19E-04	5.51E-05
9055	437365	3763464	0.000347754	5.68E-05	2.64E-05
9056	437374.7	3763464	0.000350653	5.73E-05	2.66E-05
9057	437384.3	3763464	0.000353366	5.77E-05	2.68E-05
9058	437394	3763464	0.000356172	5.82E-05	2.70E-05
9059	437403.7	3763464	0.00035851	5.86E-05	2.72E-05
9060	437413.3	3763464	0.000360381	5.89E-05	2.73E-05
9061	437423	3763464	0.000362345	5.92E-05	2.75E-05
9062	437432.6	3763464	0.000364122	5.95E-05	2.76E-05
9063	437442.3	3763464	0.000365245	5.97E-05	2.77E-05
9064	437451.9	3763464	0.00036646	5.99E-05	2.78E-05
9065	437461.6	3763464	0.000367957	6.01E-05	2.79E-05
9066	437471.2	3763464	0.00037095	6.06E-05	2.81E-05
9067	437480.9	3763464	0.000373943	6.11E-05	2.83E-05
9068	437490.5	3763463	0.00037703	6.16E-05	2.86E-05
9069	437500.2	3763463	0.000380116	6.21E-05	2.88E-05
9070	437509.8	3763463	0.000383109	6.26E-05	2.90E-05
9071	437519.5	3763463	0.000386289	6.31E-05	2.93E-05
9072	437529.1	3763463	0.000389282	6.36E-05	2.95E-05
9073	437538.8	3763463	0.000392369	6.41E-05	2.97E-05
9074	437548.4	3763463	0.000395549	6.46E-05	3.00E-05
9075	437356.2	3763500	0.000308844	5.05E-05	2.34E-05
9076	437347.4	3763496	0.000309967	5.06E-05	2.35E-05
9077	437338.5	3763493	0.000311089	5.08E-05	2.36E-05
9078	437329.6	3763489	0.000312399	5.10E-05	2.37E-05
9079	437320.7	3763485	0.000314082	5.13E-05	2.38E-05
9080	437311.8	3763482	0.000316046	5.16E-05	2.39E-05
9081	437302.9	3763478	0.000318291	5.20E-05	2.41E-05
9082	437294	3763474	0.000320723	5.24E-05	2.43E-05
9083	437285.1	3763471	0.000323248	5.28E-05	2.45E-05
9084	437276.2	3763467	0.000325026	5.31E-05	2.46E-05
9085	437267.3	3763463	0.000326054	5.33E-05	2.47E-05
9086	437258.4	3763460	0.000327177	5.34E-05	2.48E-05
9087	437249.6	3763456	0.00032858	5.37E-05	2.49E-05
9088	437240.7	3763452	0.000328954	5.37E-05	2.49E-05
9089	437231.8	3763449	0.000329422	5.38E-05	2.50E-05
9090	437222.9	3763445	0.000329889	5.39E-05	2.50E-05
9091	437214	3763441	0.000328299	5.36E-05	2.49E-05
9092	437205.1	3763438	0.000329796	5.39E-05	2.50E-05
9093	437196.2	3763434	0.000331199	5.41E-05	2.51E-05
9094	437187.3	3763430	0.000333163	5.44E-05	2.52E-05

9095	437142.9	3763412	0.00034897	5.70E-05	2.64E-05
9096	437134	3763408	0.000351402	5.74E-05	2.66E-05
9097	437125.1	3763405	0.000353927	5.78E-05	2.68E-05
9098	437116.2	3763401	0.000356452	5.82E-05	2.70E-05
9099	437107.3	3763397	0.000358978	5.86E-05	2.72E-05
9100	437098.4	3763394	0.000361503	5.91E-05	2.74E-05
9101	437089.5	3763390	0.000363935	5.95E-05	2.76E-05
9102	437080.6	3763386	0.000366367	5.99E-05	2.78E-05
9103	437071.8	3763383	0.000368799	6.02E-05	2.79E-05
9104	437062.9	3763379	0.000371605	6.07E-05	2.82E-05
9105	437054	3763375	0.000374411	6.12E-05	2.84E-05
9106	437045.1	3763372	0.00037731	6.16E-05	2.86E-05
9107	437036.2	3763368	0.000379929	6.21E-05	2.88E-05
9108	437027.3	3763364	0.000382267	6.24E-05	2.90E-05
9109	437018.4	3763361	0.000384419	6.28E-05	2.91E-05
9110	437009.5	3763357	0.000386383	6.31E-05	2.93E-05
9111	437000.6	3763353	0.000388628	6.35E-05	2.94E-05
9112	436991.7	3763350	0.000390779	6.38E-05	2.96E-05
9113	436982.8	3763346	0.00039265	6.41E-05	2.98E-05
9114	436974	3763342	0.000394053	6.44E-05	2.99E-05
9115	436965.1	3763339	0.000395081	6.45E-05	2.99E-05
9116	436956.2	3763335	0.000395643	6.46E-05	3.00E-05
9117	436947.3	3763331	0.000395923	6.47E-05	3.00E-05
9118	436938.4	3763328	0.000396578	6.48E-05	3.01E-05
9119	436929.5	3763324	0.000397233	6.49E-05	3.01E-05
9120	436920.6	3763320	0.000397981	6.50E-05	3.02E-05
9121	436908	3763308	0.00040537	6.62E-05	3.07E-05
9122	436904.4	3763299	0.000413227	6.75E-05	3.13E-05
9123	436900.7	3763290	0.00042127	6.88E-05	3.19E-05
9124	436897	3763281	0.000429876	7.02E-05	3.26E-05
9125	436893.3	3763272	0.000438387	7.16E-05	3.32E-05
9126	436889.6	3763263	0.000446898	7.30E-05	3.39E-05
9127	436885.9	3763255	0.000455878	7.45E-05	3.45E-05
9128	436882.2	3763246	0.00046495	7.60E-05	3.52E-05
9129	436878.6	3763237	0.000474023	7.74E-05	3.59E-05
9130	436874.9	3763228	0.000482908	7.89E-05	3.66E-05
9131	436871.2	3763219	0.000491981	8.04E-05	3.73E-05
9132	436867.5	3763210	0.000501054	8.19E-05	3.80E-05
9133	436863.8	3763201	0.000510033	8.33E-05	3.86E-05
9134	436860.1	3763192	0.000519012	8.48E-05	3.93E-05
9135	436856.5	3763184	0.000528178	8.63E-05	4.00E-05
9136	436852.8	3763175	0.000537251	8.78E-05	4.07E-05
9137	436849.1	3763166	0.000546043	8.92E-05	4.14E-05
9138	436845.4	3763157	0.000554461	9.06E-05	4.20E-05
9139	436841.7	3763148	0.000562411	9.19E-05	4.26E-05
9140	436838	3763139	0.000570081	9.31E-05	4.32E-05
9141	436834.3	3763130	0.00057747	9.43E-05	4.38E-05
9142	436830.7	3763121	0.000584578	9.55E-05	4.43E-05
9143	436827	3763112	0.000591406	9.66E-05	4.48E-05
9144	436823.3	3763104	0.000597953	9.77E-05	4.53E-05
9145	436819.6	3763095	0.000604127	9.87E-05	4.58E-05
9146	436815.9	3763086	0.000609832	9.96E-05	4.62E-05

9147	436812.2	3763077	0.000615257	1.01E-04	4.66E-05
9148	436808.6	3763068	0.000620962	1.01E-04	4.71E-05
9149	436804.9	3763059	0.000625826	1.02E-04	4.74E-05
9150	436801.2	3763050	0.000630409	1.03E-04	4.78E-05
9151	436797.5	3763041	0.000634431	1.04E-04	4.81E-05
9152	436793.8	3763033	0.000638172	1.04E-04	4.84E-05
9153	436790.1	3763024	0.000641446	1.05E-04	4.86E-05
9154	436786.4	3763015	0.000644346	1.05E-04	4.88E-05
9155	436782.8	3763006	0.000646871	1.06E-04	4.90E-05
9156	436779.1	3762997	0.000649022	1.06E-04	4.92E-05
9157	436775.4	3762988	0.000650799	1.06E-04	4.93E-05
9158	437365.1	3763504	0.000307722	5.03E-05	2.33E-05
9159	437374.8	3763504	0.000309967	5.06E-05	2.35E-05
9160	437384.4	3763504	0.000312399	5.10E-05	2.37E-05
9161	437394.1	3763504	0.00031483	5.14E-05	2.39E-05
9162	437403.7	3763504	0.000317075	5.18E-05	2.40E-05
9163	437413.4	3763504	0.000319039	5.21E-05	2.42E-05
9164	437423	3763504	0.000321004	5.24E-05	2.43E-05
9165	437432.7	3763504	0.000322874	5.27E-05	2.45E-05
9166	437442.3	3763504	0.000324745	5.31E-05	2.46E-05
9167	437452	3763504	0.000326616	5.34E-05	2.47E-05
9168	437461.6	3763504	0.000328393	5.36E-05	2.49E-05
9169	437471.3	3763504	0.000330076	5.39E-05	2.50E-05
9170	437480.9	3763504	0.000331853	5.42E-05	2.51E-05
9171	437490.6	3763503	0.000333631	5.45E-05	2.53E-05
9172	437500.2	3763503	0.000335875	5.49E-05	2.55E-05
9173	437509.9	3763503	0.000338214	5.53E-05	2.56E-05
9174	437519.5	3763503	0.000340645	5.56E-05	2.58E-05
9175	437529.2	3763503	0.000343264	5.61E-05	2.60E-05
9176	437538.8	3763503	0.000345977	5.65E-05	2.62E-05
9177	437548.5	3763503	0.000348689	5.70E-05	2.64E-05
9178	437356.3	3763540	0.000277417	4.53E-05	2.10E-05
9179	437347.4	3763536	0.000278072	4.54E-05	2.11E-05
9180	437338.5	3763533	0.00027882	4.55E-05	2.11E-05
9181	437329.5	3763529	0.000279756	4.57E-05	2.12E-05
9182	437320.6	3763525	0.000280598	4.58E-05	2.13E-05
9183	437311.7	3763522	0.000281533	4.60E-05	2.13E-05
9184	437302.8	3763518	0.000282562	4.62E-05	2.14E-05
9185	437293.8	3763514	0.000283778	4.64E-05	2.15E-05
9186	437284.9	3763511	0.000285087	4.66E-05	2.16E-05
9187	437276	3763507	0.000286303	4.68E-05	2.17E-05
9188	437267.1	3763503	0.000286864	4.69E-05	2.17E-05
9189	437258.2	3763500	0.000287332	4.69E-05	2.18E-05
9190	437249.2	3763496	0.000287987	4.70E-05	2.18E-05
9191	437240.3	3763492	0.000288828	4.72E-05	2.19E-05
9192	437231.4	3763489	0.000289577	4.73E-05	2.19E-05
9193	437222.5	3763485	0.000290044	4.74E-05	2.20E-05
9194	437213.6	3763481	0.000291541	4.76E-05	2.21E-05
9195	437204.6	3763478	0.000293505	4.79E-05	2.22E-05
9196	437195.7	3763474	0.00029575	4.83E-05	2.24E-05
9197	437186.8	3763470	0.000297995	4.87E-05	2.26E-05
9198	437142.2	3763452	0.000311931	5.10E-05	2.36E-05

9199	437133.3	3763448	0.000313895	5.13E-05	2.38E-05
9200	437124.3	3763444	0.000315672	5.16E-05	2.39E-05
9201	437115.4	3763441	0.000313989	5.13E-05	2.38E-05
9202	437106.5	3763437	0.000315672	5.16E-05	2.39E-05
9203	437097.6	3763433	0.000317636	5.19E-05	2.41E-05
9204	437088.7	3763430	0.000320068	5.23E-05	2.43E-05
9205	437079.7	3763426	0.000322594	5.27E-05	2.44E-05
9206	437070.8	3763422	0.000324932	5.31E-05	2.46E-05
9207	437061.9	3763419	0.000329609	5.38E-05	2.50E-05
9208	437053	3763415	0.000332134	5.43E-05	2.52E-05
9209	437044.1	3763411	0.000334753	5.47E-05	2.54E-05
9210	437035.1	3763408	0.000337278	5.51E-05	2.56E-05
9211	437026.2	3763404	0.00033971	5.55E-05	2.57E-05
9212	437017.3	3763400	0.000342048	5.59E-05	2.59E-05
9213	437008.4	3763397	0.00034448	5.63E-05	2.61E-05
9214	436999.4	3763393	0.000346819	5.67E-05	2.63E-05
9215	436990.5	3763389	0.000349063	5.70E-05	2.65E-05
9216	436981.6	3763386	0.000351402	5.74E-05	2.66E-05
9217	436972.7	3763382	0.000353646	5.78E-05	2.68E-05
9218	436963.8	3763378	0.000355143	5.80E-05	2.69E-05
9219	436954.8	3763375	0.000356359	5.82E-05	2.70E-05
9220	436945.9	3763371	0.000357481	5.84E-05	2.71E-05
9221	436937	3763367	0.00035851	5.86E-05	2.72E-05
9222	436928.1	3763363	0.000359539	5.87E-05	2.72E-05
9223	436919.2	3763360	0.000360381	5.89E-05	2.73E-05
9224	436910.2	3763356	0.000361223	5.90E-05	2.74E-05
9225	436901.3	3763352	0.000360848	5.90E-05	2.73E-05
9226	436892.4	3763349	0.000360381	5.89E-05	2.73E-05
9227	436879.8	3763336	0.000366554	5.99E-05	2.78E-05
9228	436876.1	3763327	0.000373288	6.10E-05	2.83E-05
9229	436872.4	3763318	0.00038021	6.21E-05	2.88E-05
9230	436868.7	3763309	0.000387038	6.32E-05	2.93E-05
9231	436865	3763301	0.000393865	6.43E-05	2.98E-05
9232	436861.3	3763292	0.0004006	6.54E-05	3.04E-05
9233	436857.6	3763283	0.000408363	6.67E-05	3.09E-05
9234	436853.9	3763274	0.000416594	6.81E-05	3.16E-05
9235	436850.2	3763265	0.000424825	6.94E-05	3.22E-05
9236	436846.5	3763256	0.000432775	7.07E-05	3.28E-05
9237	436842.8	3763247	0.000440071	7.19E-05	3.33E-05
9238	436839.1	3763238	0.000447273	7.31E-05	3.39E-05
9239	436835.4	3763229	0.000454287	7.42E-05	3.44E-05
9240	436831.7	3763220	0.000462238	7.55E-05	3.50E-05
9241	436828	3763211	0.000470094	7.68E-05	3.56E-05
9242	436824.3	3763202	0.000477951	7.81E-05	3.62E-05
9243	436820.6	3763194	0.000485808	7.94E-05	3.68E-05
9244	436816.9	3763185	0.000493852	8.07E-05	3.74E-05
9245	436813.2	3763176	0.000501989	8.20E-05	3.80E-05
9246	436809.5	3763167	0.000508723	8.31E-05	3.85E-05
9247	436805.8	3763158	0.000515177	8.42E-05	3.90E-05
9248	436802.1	3763149	0.000521537	8.52E-05	3.95E-05
9249	436798.4	3763140	0.00052771	8.62E-05	4.00E-05
9250	436794.7	3763131	0.000533603	8.72E-05	4.04E-05

9251	436791	3763122	0.000539215	8.81E-05	4.09E-05
9252	436787.3	3763113	0.00054464	8.90E-05	4.13E-05
9253	436783.6	3763104	0.000549784	8.98E-05	4.17E-05
9254	436779.9	3763095	0.000554648	9.06E-05	4.20E-05
9255	436776.2	3763087	0.000559137	9.13E-05	4.24E-05
9256	436731.9	3762980	0.000584204	9.54E-05	4.43E-05
9257	436728.2	3762971	0.000584952	9.56E-05	4.43E-05
9258	436724.5	3762962	0.000585233	9.56E-05	4.43E-05
9259	436720.8	3762953	0.000586636	9.58E-05	4.45E-05
9260	436717.1	3762944	0.000587852	9.60E-05	4.45E-05
9261	436713.4	3762935	0.00058832	9.61E-05	4.46E-05
9262	436709.7	3762926	0.000588226	9.61E-05	4.46E-05
9263	436706	3762917	0.000587665	9.60E-05	4.45E-05
9264	436702.3	3762908	0.000586449	9.58E-05	4.44E-05
9265	437365.2	3763544	0.000276856	4.52E-05	2.10E-05
9266	437374.9	3763544	0.000279195	4.56E-05	2.12E-05
9267	437384.5	3763544	0.000281626	4.60E-05	2.13E-05
9268	437394.2	3763544	0.000284245	4.64E-05	2.15E-05
9269	437403.8	3763544	0.000286584	4.68E-05	2.17E-05
9270	437413.5	3763544	0.000288735	4.72E-05	2.19E-05
9271	437423.1	3763544	0.000290886	4.75E-05	2.20E-05
9272	437432.8	3763544	0.00029285	4.78E-05	2.22E-05
9273	437442.4	3763544	0.00029444	4.81E-05	2.23E-05
9274	437452.1	3763544	0.00029603	4.84E-05	2.24E-05
9275	437461.7	3763544	0.000297433	4.86E-05	2.25E-05
9276	437471.4	3763544	0.000298556	4.88E-05	2.26E-05
9277	437481	3763544	0.000299585	4.89E-05	2.27E-05
9278	437490.7	3763543	0.000300614	4.91E-05	2.28E-05
9279	437500.3	3763543	0.000301923	4.93E-05	2.29E-05
9280	437510	3763543	0.000303232	4.95E-05	2.30E-05
9281	437519.6	3763543	0.000304542	4.98E-05	2.31E-05
9282	437529.3	3763543	0.000306787	5.01E-05	2.32E-05
9283	437538.9	3763543	0.000309219	5.05E-05	2.34E-05
9284	437548.6	3763543	0.000311744	5.09E-05	2.36E-05
9285	437356.5	3763580	0.000252912	4.13E-05	1.92E-05
9286	437347.7	3763576	0.000253193	4.14E-05	1.92E-05
9287	437338.9	3763573	0.000253286	4.14E-05	1.92E-05
9288	437330.1	3763569	0.00025366	4.14E-05	1.92E-05
9289	437321.3	3763566	0.000254034	4.15E-05	1.92E-05
9290	437312.5	3763562	0.000254502	4.16E-05	1.93E-05
9291	437303.7	3763558	0.000255157	4.17E-05	1.93E-05
9292	437294.9	3763555	0.000255999	4.18E-05	1.94E-05
9293	437286.1	3763551	0.00025684	4.20E-05	1.95E-05
9294	437277.4	3763547	0.000257589	4.21E-05	1.95E-05
9295	437268.6	3763544	0.000258243	4.22E-05	1.96E-05
9296	437259.8	3763540	0.000258992	4.23E-05	1.96E-05
9297	437251	3763537	0.000259646	4.24E-05	1.97E-05
9298	437242.2	3763533	0.000260208	4.25E-05	1.97E-05
9299	437233.4	3763529	0.000260675	4.26E-05	1.98E-05
9300	437224.6	3763526	0.000261236	4.27E-05	1.98E-05
9301	437215.8	3763522	0.000262078	4.28E-05	1.99E-05
9302	437207	3763518	0.000263575	4.31E-05	2.00E-05

9303	437198.2	3763515	0.000265071	4.33E-05	2.01E-05
9304	437189.4	3763511	0.000266755	4.36E-05	2.02E-05
9305	437145.4	3763493	0.000276108	4.51E-05	2.09E-05
9306	437136.6	3763489	0.000277885	4.54E-05	2.11E-05
9307	437127.8	3763486	0.000279849	4.57E-05	2.12E-05
9308	437119.1	3763482	0.000282001	4.61E-05	2.14E-05
9309	437110.3	3763479	0.000286864	4.69E-05	2.17E-05
9310	437101.5	3763475	0.000288641	4.72E-05	2.19E-05
9311	437092.7	3763471	0.000290419	4.74E-05	2.20E-05
9312	437083.9	3763468	0.000292009	4.77E-05	2.21E-05
9313	437075.1	3763464	0.000293599	4.80E-05	2.22E-05
9314	437066.3	3763460	0.000292663	4.78E-05	2.22E-05
9315	437057.5	3763457	0.00029416	4.81E-05	2.23E-05
9316	437048.7	3763453	0.00029575	4.83E-05	2.24E-05
9317	437039.9	3763450	0.000297433	4.86E-05	2.25E-05
9318	437031.1	3763446	0.000300052	4.90E-05	2.27E-05
9319	437022.3	3763442	0.000303981	4.97E-05	2.30E-05
9320	437013.5	3763439	0.000306506	5.01E-05	2.32E-05
9321	437004.7	3763435	0.00030847	5.04E-05	2.34E-05
9322	436995.9	3763431	0.000310247	5.07E-05	2.35E-05
9323	436987.1	3763428	0.000312118	5.10E-05	2.37E-05
9324	436978.3	3763424	0.000314082	5.13E-05	2.38E-05
9325	436969.5	3763421	0.000316233	5.17E-05	2.40E-05
9326	436960.7	3763417	0.000318291	5.20E-05	2.41E-05
9327	436952	3763413	0.000320442	5.23E-05	2.43E-05
9328	436943.2	3763410	0.000322126	5.26E-05	2.44E-05
9329	436934.4	3763406	0.000323435	5.28E-05	2.45E-05
9330	436925.6	3763402	0.000324745	5.31E-05	2.46E-05
9331	436916.8	3763399	0.00032568	5.32E-05	2.47E-05
9332	436908	3763395	0.000325961	5.33E-05	2.47E-05
9333	436899.2	3763392	0.000326054	5.33E-05	2.47E-05
9334	436890.4	3763388	0.000326148	5.33E-05	2.47E-05
9335	436881.6	3763384	0.000326335	5.33E-05	2.47E-05
9336	436872.8	3763381	0.000326616	5.34E-05	2.47E-05
9337	436864	3763377	0.000326803	5.34E-05	2.48E-05
9338	436851.6	3763365	0.000332695	5.44E-05	2.52E-05
9339	436847.9	3763356	0.000338494	5.53E-05	2.56E-05
9340	436844.3	3763347	0.00034448	5.63E-05	2.61E-05
9341	436840.6	3763338	0.000350747	5.73E-05	2.66E-05
9342	436837	3763329	0.000357201	5.84E-05	2.71E-05
9343	436833.3	3763321	0.000363748	5.94E-05	2.76E-05
9344	436829.7	3763312	0.000370108	6.05E-05	2.80E-05
9345	436826.1	3763303	0.000376655	6.15E-05	2.85E-05
9346	436822.4	3763294	0.000383203	6.26E-05	2.90E-05
9347	436818.8	3763286	0.000389937	6.37E-05	2.95E-05
9348	436815.1	3763277	0.000396765	6.48E-05	3.01E-05
9349	436811.5	3763268	0.000403406	6.59E-05	3.06E-05
9350	436807.8	3763259	0.000409953	6.70E-05	3.11E-05
9351	436804.2	3763250	0.000416126	6.80E-05	3.15E-05
9352	436800.5	3763242	0.000422393	6.90E-05	3.20E-05
9353	436796.9	3763233	0.000428472	7.00E-05	3.25E-05
9354	436793.3	3763224	0.000434459	7.10E-05	3.29E-05

9355	436789.6	3763215	0.000440725	7.20E-05	3.34E-05
9356	436786	3763206	0.000447179	7.31E-05	3.39E-05
9357	436782.3	3763198	0.000453913	7.42E-05	3.44E-05
9358	436742.2	3763101	0.000507414	8.29E-05	3.84E-05
9359	436738.6	3763092	0.00051022	8.34E-05	3.87E-05
9360	436734.9	3763083	0.000513119	8.38E-05	3.89E-05
9361	436731.3	3763075	0.000516206	8.43E-05	3.91E-05
9362	436727.6	3763066	0.000519386	8.48E-05	3.94E-05
9363	436724	3763057	0.000522286	8.53E-05	3.96E-05
9364	436720.4	3763048	0.000525092	8.58E-05	3.98E-05
9365	436716.7	3763039	0.000528085	8.63E-05	4.00E-05
9366	436713.1	3763031	0.000530516	8.67E-05	4.02E-05
9367	436709.4	3763022	0.000532106	8.69E-05	4.03E-05
9368	436705.8	3763013	0.000533416	8.71E-05	4.04E-05
9369	436702.1	3763004	0.000534445	8.73E-05	4.05E-05
9370	436698.5	3762996	0.000535287	8.74E-05	4.06E-05
9371	436694.8	3762987	0.000535848	8.75E-05	4.06E-05
9372	436691.2	3762978	0.000536128	8.76E-05	4.06E-05
9373	436687.5	3762969	0.000536315	8.76E-05	4.06E-05
9374	436683.9	3762960	0.000536222	8.76E-05	4.06E-05
9375	436680.3	3762952	0.000535848	8.75E-05	4.06E-05
9376	436676.6	3762943	0.000535287	8.74E-05	4.06E-05
9377	436673	3762934	0.000534538	8.73E-05	4.05E-05
9378	436669.3	3762925	0.000533697	8.72E-05	4.04E-05
9379	436665.7	3762916	0.000532668	8.70E-05	4.04E-05
9380	437365.3	3763584	0.000252631	4.13E-05	1.91E-05
9381	437374.9	3763584	0.000254502	4.16E-05	1.93E-05
9382	437384.6	3763584	0.000256373	4.19E-05	1.94E-05
9383	437394.2	3763584	0.000258243	4.22E-05	1.96E-05
9384	437403.9	3763584	0.000260208	4.25E-05	1.97E-05
9385	437413.5	3763584	0.000262078	4.28E-05	1.99E-05
9386	437423.2	3763584	0.000264042	4.31E-05	2.00E-05
9387	437432.9	3763584	0.000265819	4.34E-05	2.01E-05
9388	437442.5	3763584	0.00026741	4.37E-05	2.03E-05
9389	437452.2	3763584	0.000269093	4.40E-05	2.04E-05
9390	437461.8	3763584	0.00027059	4.42E-05	2.05E-05
9391	437471.5	3763584	0.000271806	4.44E-05	2.06E-05
9392	437481.1	3763584	0.000272928	4.46E-05	2.07E-05
9393	437490.8	3763583	0.000274144	4.48E-05	2.08E-05
9394	437500.4	3763583	0.000274986	4.49E-05	2.08E-05
9395	437510.1	3763583	0.000275827	4.51E-05	2.09E-05
9396	437519.7	3763583	0.000276669	4.52E-05	2.10E-05
9397	437529.4	3763583	0.000278353	4.55E-05	2.11E-05
9398	437539	3763583	0.00028013	4.58E-05	2.12E-05
9399	437548.7	3763583	0.000282001	4.61E-05	2.14E-05
9400	437356.6	3763620	0.000232615	3.80E-05	1.76E-05
9401	437347.7	3763616	0.00023299	3.81E-05	1.77E-05
9402	437338.9	3763613	0.000233364	3.81E-05	1.77E-05
9403	437330.1	3763609	0.000233644	3.82E-05	1.77E-05
9404	437321.2	3763606	0.000233831	3.82E-05	1.77E-05
9405	437312.4	3763602	0.000233925	3.82E-05	1.77E-05
9406	437303.6	3763598	0.000234393	3.83E-05	1.78E-05

9407	437294.8	3763595	0.00023486	3.84E-05	1.78E-05
9408	437285.9	3763591	0.000235421	3.85E-05	1.78E-05
9409	437277.1	3763587	0.000236076	3.86E-05	1.79E-05
9410	437268.3	3763584	0.000236824	3.87E-05	1.79E-05
9411	437259.5	3763580	0.000237479	3.88E-05	1.80E-05
9412	437250.6	3763576	0.000238134	3.89E-05	1.80E-05
9413	437241.8	3763573	0.000238321	3.89E-05	1.81E-05
9414	437233	3763569	0.000238601	3.90E-05	1.81E-05
9415	437224.2	3763566	0.000238882	3.90E-05	1.81E-05
9416	437215.3	3763562	0.00023935	3.91E-05	1.81E-05
9417	437206.5	3763558	0.000239911	3.92E-05	1.82E-05
9418	437197.7	3763555	0.000240659	3.93E-05	1.82E-05
9419	437188.8	3763551	0.000241688	3.95E-05	1.83E-05
9420	437144.7	3763533	0.000247487	4.04E-05	1.88E-05
9421	437135.9	3763529	0.000248797	4.06E-05	1.89E-05
9422	437127.1	3763525	0.000250574	4.09E-05	1.90E-05
9423	437118.2	3763522	0.000252725	4.13E-05	1.92E-05
9424	437109.4	3763518	0.00025497	4.17E-05	1.93E-05
9425	437100.6	3763515	0.000257402	4.21E-05	1.95E-05
9426	437091.8	3763511	0.000259646	4.24E-05	1.97E-05
9427	437082.9	3763507	0.000264416	4.32E-05	2.00E-05
9428	437074.1	3763504	0.0002661	4.35E-05	2.02E-05
9429	437065.3	3763500	0.00026769	4.37E-05	2.03E-05
9430	437056.5	3763496	0.000269093	4.40E-05	2.04E-05
9431	437047.6	3763493	0.000270496	4.42E-05	2.05E-05
9432	437038.8	3763489	0.000269841	4.41E-05	2.04E-05
9433	437030	3763485	0.000271618	4.44E-05	2.06E-05
9434	437021.1	3763482	0.000274892	4.49E-05	2.08E-05
9435	437012.3	3763478	0.000276576	4.52E-05	2.10E-05
9436	437003.5	3763475	0.000278259	4.55E-05	2.11E-05
9437	436994.7	3763471	0.000280036	4.57E-05	2.12E-05
9438	436985.8	3763467	0.00028172	4.60E-05	2.13E-05
9439	436977	3763464	0.000283216	4.63E-05	2.15E-05
9440	436968.2	3763460	0.00028462	4.65E-05	2.16E-05
9441	436959.4	3763456	0.000286116	4.67E-05	2.17E-05
9442	436950.5	3763453	0.000287613	4.70E-05	2.18E-05
9443	436941.7	3763449	0.000288922	4.72E-05	2.19E-05
9444	436932.9	3763445	0.000290138	4.74E-05	2.20E-05
9445	436924.1	3763442	0.000291354	4.76E-05	2.21E-05
9446	436915.2	3763438	0.000292663	4.78E-05	2.22E-05
9447	436906.4	3763434	0.000293786	4.80E-05	2.23E-05
9448	436897.6	3763431	0.000294815	4.82E-05	2.23E-05
9449	436888.7	3763427	0.00029575	4.83E-05	2.24E-05
9450	436879.9	3763424	0.000296311	4.84E-05	2.25E-05
9451	436871.1	3763420	0.000296592	4.85E-05	2.25E-05
9452	436862.3	3763416	0.000296685	4.85E-05	2.25E-05
9453	436853.4	3763413	0.000297153	4.85E-05	2.25E-05
9454	436844.6	3763409	0.000297621	4.86E-05	2.26E-05
9455	436835.8	3763405	0.000298275	4.87E-05	2.26E-05
9456	436823.3	3763393	0.000303981	4.97E-05	2.30E-05
9457	436819.6	3763384	0.000309125	5.05E-05	2.34E-05
9458	436816	3763375	0.000314363	5.14E-05	2.38E-05

9459	436812.3	3763366	0.000319694	5.22E-05	2.42E-05
9460	436808.7	3763358	0.000325119	5.31E-05	2.46E-05
9461	436805	3763349	0.000330637	5.40E-05	2.51E-05
9462	436801.4	3763340	0.000336811	5.50E-05	2.55E-05
9463	436797.7	3763331	0.000343077	5.60E-05	2.60E-05
9464	436794	3763322	0.000349344	5.71E-05	2.65E-05
9465	436790.4	3763314	0.000355049	5.80E-05	2.69E-05
9466	436786.7	3763305	0.000360661	5.89E-05	2.73E-05
9467	436783.1	3763296	0.000366367	5.99E-05	2.78E-05
9468	436742.8	3763199	0.000424638	6.94E-05	3.22E-05
9469	436739.2	3763190	0.000430811	7.04E-05	3.26E-05
9470	436735.5	3763181	0.000436049	7.12E-05	3.30E-05
9471	436731.8	3763172	0.000440538	7.20E-05	3.34E-05
9472	436728.2	3763164	0.000444841	7.27E-05	3.37E-05
9473	436724.5	3763155	0.00044905	7.34E-05	3.40E-05
9474	436720.9	3763146	0.000453072	7.40E-05	3.43E-05
9475	436717.2	3763137	0.000456906	7.46E-05	3.46E-05
9476	436713.6	3763128	0.000460461	7.52E-05	3.49E-05
9477	436709.9	3763119	0.000463828	7.58E-05	3.51E-05
9478	436706.2	3763111	0.000467008	7.63E-05	3.54E-05
9479	436702.6	3763102	0.000470094	7.68E-05	3.56E-05
9480	436698.9	3763093	0.000472807	7.72E-05	3.58E-05
9481	436695.3	3763084	0.000475426	7.77E-05	3.60E-05
9482	436691.6	3763075	0.000477764	7.81E-05	3.62E-05
9483	436687.9	3763067	0.000479915	7.84E-05	3.64E-05
9484	436684.3	3763058	0.00048188	7.87E-05	3.65E-05
9485	436680.6	3763049	0.000483657	7.90E-05	3.66E-05
9486	436677	3763040	0.000485247	7.93E-05	3.68E-05
9487	436673.3	3763031	0.000486556	7.95E-05	3.69E-05
9488	436669.7	3763022	0.000487585	7.97E-05	3.69E-05
9489	436666	3763014	0.000488427	7.98E-05	3.70E-05
9490	436662.3	3763005	0.000488988	7.99E-05	3.71E-05
9491	436658.7	3762996	0.000489456	8.00E-05	3.71E-05
9492	436655	3762987	0.000489643	8.00E-05	3.71E-05
9493	436651.4	3762978	0.000489643	8.00E-05	3.71E-05
9494	436647.7	3762970	0.000489549	8.00E-05	3.71E-05
9495	436644	3762961	0.000489175	7.99E-05	3.71E-05
9496	436640.4	3762952	0.000488707	7.98E-05	3.70E-05
9497	436636.7	3762943	0.000488146	7.97E-05	3.70E-05
9498	436633.1	3762934	0.000487492	7.96E-05	3.69E-05
9499	436629.4	3762925	0.000486556	7.95E-05	3.69E-05
9500	436625.8	3762917	0.000485621	7.93E-05	3.68E-05
9501	437365.4	3763624	0.000232148	3.79E-05	1.76E-05
9502	437375	3763624	0.000233457	3.81E-05	1.77E-05
9503	437384.7	3763624	0.000234767	3.84E-05	1.78E-05
9504	437394.3	3763624	0.000236076	3.86E-05	1.79E-05
9505	437404	3763624	0.000237479	3.88E-05	1.80E-05
9506	437413.6	3763624	0.000238976	3.90E-05	1.81E-05
9507	437423.3	3763624	0.000240566	3.93E-05	1.82E-05
9508	437432.9	3763624	0.000242156	3.96E-05	1.83E-05
9509	437442.6	3763624	0.000243746	3.98E-05	1.85E-05
9510	437452.2	3763624	0.000245429	4.01E-05	1.86E-05

9511	437461.9	3763624	0.000247019	4.04E-05	1.87E-05
9512	437471.5	3763624	0.000248516	4.06E-05	1.88E-05
9513	437481.2	3763624	0.000250012	4.08E-05	1.89E-05
9514	437490.8	3763623	0.000251415	4.11E-05	1.91E-05
9515	437500.5	3763623	0.000252538	4.13E-05	1.91E-05
9516	437510.1	3763623	0.000253567	4.14E-05	1.92E-05
9517	437519.8	3763623	0.000254689	4.16E-05	1.93E-05
9518	437529.4	3763623	0.000256186	4.19E-05	1.94E-05
9519	437539.1	3763623	0.000257682	4.21E-05	1.95E-05
9520	437548.7	3763623	0.000259179	4.23E-05	1.96E-05
9521	437356.6	3763660	0.000214844	3.51E-05	1.63E-05
9522	437347.8	3763656	0.000215405	3.52E-05	1.63E-05
9523	437338.9	3763653	0.00021606	3.53E-05	1.64E-05
9524	437330	3763649	0.000216341	3.53E-05	1.64E-05
9525	437321.2	3763645	0.000216528	3.54E-05	1.64E-05
9526	437312.3	3763642	0.000216715	3.54E-05	1.64E-05
9527	437303.5	3763638	0.000217089	3.55E-05	1.65E-05
9528	437294.6	3763635	0.000217557	3.55E-05	1.65E-05
9529	437285.8	3763631	0.000218024	3.56E-05	1.65E-05
9530	437276.9	3763627	0.000218492	3.57E-05	1.66E-05
9531	437268.1	3763624	0.000219147	3.58E-05	1.66E-05
9532	437259.2	3763620	0.000219989	3.59E-05	1.67E-05
9533	437250.3	3763616	0.000220737	3.61E-05	1.67E-05
9534	437241.5	3763613	0.000220924	3.61E-05	1.67E-05
9535	437232.6	3763609	0.000221111	3.61E-05	1.68E-05
9536	437223.8	3763605	0.000221204	3.61E-05	1.68E-05
9537	437214.9	3763602	0.000221392	3.62E-05	1.68E-05
9538	437206.1	3763598	0.000221766	3.62E-05	1.68E-05
9539	437197.2	3763594	0.000222233	3.63E-05	1.68E-05
9540	437188.4	3763591	0.000222888	3.64E-05	1.69E-05
9541	437144.1	3763572	0.000227658	3.72E-05	1.73E-05
9542	437135.2	3763569	0.0002285	3.73E-05	1.73E-05
9543	437126.4	3763565	0.000229342	3.75E-05	1.74E-05
9544	437117.5	3763561	0.000230277	3.76E-05	1.74E-05
9545	437108.7	3763558	0.00023168	3.78E-05	1.76E-05
9546	437099.8	3763554	0.000233364	3.81E-05	1.77E-05
9547	437090.9	3763551	0.000235421	3.85E-05	1.78E-05
9548	437082.1	3763547	0.000237666	3.88E-05	1.80E-05
9549	437073.2	3763543	0.000242436	3.96E-05	1.84E-05
9550	437064.4	3763540	0.00024412	3.99E-05	1.85E-05
9551	437055.5	3763536	0.000245616	4.01E-05	1.86E-05
9552	437046.7	3763532	0.0002473	4.04E-05	1.87E-05
9553	437037.8	3763529	0.000248984	4.07E-05	1.89E-05
9554	437029	3763525	0.000250387	4.09E-05	1.90E-05
9555	437020.1	3763521	0.00025179	4.11E-05	1.91E-05
9556	437011.2	3763518	0.000253099	4.13E-05	1.92E-05
9557	437002.4	3763514	0.000254315	4.15E-05	1.93E-05
9558	436993.5	3763510	0.000255624	4.18E-05	1.94E-05
9559	436984.7	3763507	0.000256934	4.20E-05	1.95E-05
9560	436975.8	3763503	0.00025815	4.22E-05	1.96E-05
9561	436967	3763499	0.000259272	4.24E-05	1.96E-05
9562	436958.1	3763496	0.000260488	4.26E-05	1.97E-05

9563	436949.3	3763492	0.00026161	4.27E-05	1.98E-05
9564	436940.4	3763488	0.000262546	4.29E-05	1.99E-05
9565	436931.5	3763485	0.000263481	4.30E-05	2.00E-05
9566	436922.7	3763481	0.00026451	4.32E-05	2.00E-05
9567	436913.8	3763477	0.000265632	4.34E-05	2.01E-05
9568	436905	3763474	0.000266661	4.36E-05	2.02E-05
9569	436896.1	3763470	0.00026769	4.37E-05	2.03E-05
9570	436887.3	3763467	0.000268719	4.39E-05	2.04E-05
9571	436878.4	3763463	0.000269748	4.41E-05	2.04E-05
9572	436869.6	3763459	0.000270683	4.42E-05	2.05E-05
9573	436860.7	3763456	0.000271525	4.44E-05	2.06E-05
9574	436851.8	3763452	0.000272554	4.45E-05	2.07E-05
9575	436843	3763448	0.000273396	4.47E-05	2.07E-05
9576	436834.1	3763445	0.000274144	4.48E-05	2.08E-05
9577	436825.3	3763441	0.000274986	4.49E-05	2.08E-05
9578	436816.4	3763437	0.000275734	4.50E-05	2.09E-05
9579	436807.6	3763434	0.000276482	4.52E-05	2.10E-05
9580	436795	3763421	0.000281252	4.59E-05	2.13E-05
9581	436791.4	3763412	0.000285555	4.66E-05	2.16E-05
9582	436787.7	3763403	0.000289951	4.74E-05	2.20E-05
9583	436784	3763395	0.000294534	4.81E-05	2.23E-05
9584	436780.4	3763386	0.000299211	4.89E-05	2.27E-05
9585	436740	3763288	0.000354114	5.78E-05	2.68E-05
9586	436736.3	3763280	0.000358417	5.86E-05	2.72E-05
9587	436732.6	3763271	0.000362719	5.93E-05	2.75E-05
9588	436729	3763262	0.000366835	5.99E-05	2.78E-05
9589	436725.3	3763253	0.000371137	6.06E-05	2.81E-05
9590	436721.6	3763244	0.000375346	6.13E-05	2.84E-05
9591	436718	3763235	0.000379274	6.20E-05	2.87E-05
9592	436714.3	3763227	0.000383483	6.26E-05	2.91E-05
9593	436710.6	3763218	0.000388347	6.34E-05	2.94E-05
9594	436706.9	3763209	0.000393304	6.43E-05	2.98E-05
9595	436703.3	3763200	0.000398261	6.51E-05	3.02E-05
9596	436699.6	3763191	0.000403032	6.58E-05	3.05E-05
9597	436695.9	3763182	0.000407521	6.66E-05	3.09E-05
9598	436692.3	3763173	0.000411824	6.73E-05	3.12E-05
9599	436688.6	3763165	0.000415378	6.79E-05	3.15E-05
9600	436684.9	3763156	0.000418745	6.84E-05	3.17E-05
9601	436681.3	3763147	0.000422019	6.89E-05	3.20E-05
9602	436677.6	3763138	0.000425012	6.94E-05	3.22E-05
9603	436673.9	3763129	0.000427911	6.99E-05	3.24E-05
9604	436670.2	3763120	0.000430624	7.03E-05	3.26E-05
9605	436666.6	3763111	0.000433243	7.08E-05	3.28E-05
9606	436662.9	3763103	0.000435581	7.12E-05	3.30E-05
9607	436659.2	3763094	0.000437732	7.15E-05	3.32E-05
9608	436655.6	3763085	0.000439696	7.18E-05	3.33E-05
9609	436651.9	3763076	0.000441474	7.21E-05	3.35E-05
9610	436648.2	3763067	0.000443157	7.24E-05	3.36E-05
9611	436644.6	3763058	0.00044456	7.26E-05	3.37E-05
9612	436640.9	3763050	0.000445776	7.28E-05	3.38E-05
9613	436637.2	3763041	0.000446805	7.30E-05	3.39E-05
9614	436633.5	3763032	0.000447647	7.31E-05	3.39E-05

9615	436629.9	3763023	0.000448395	7.33E-05	3.40E-05
9616	436626.2	3763014	0.000448863	7.33E-05	3.40E-05
9617	436622.5	3763005	0.000449143	7.34E-05	3.40E-05
9618	436618.9	3762996	0.00044933	7.34E-05	3.40E-05
9619	436615.2	3762988	0.000449237	7.34E-05	3.40E-05
9620	436611.5	3762979	0.000449143	7.34E-05	3.40E-05
9621	436607.8	3762970	0.000448863	7.33E-05	3.40E-05
9622	436604.2	3762961	0.000448021	7.32E-05	3.39E-05
9623	436600.5	3762952	0.00044746	7.31E-05	3.39E-05
9624	436596.8	3762943	0.000446805	7.30E-05	3.39E-05
9625	436593.2	3762935	0.00044615	7.29E-05	3.38E-05
9626	436589.5	3762926	0.000445589	7.28E-05	3.38E-05
9627	436585.8	3762917	0.000444934	7.27E-05	3.37E-05
9628	437365.5	3763664	0.00021419	3.50E-05	1.62E-05
9629	437375.1	3763664	0.000215125	3.51E-05	1.63E-05
9630	437384.8	3763664	0.000216154	3.53E-05	1.64E-05
9631	437394.4	3763664	0.000217089	3.55E-05	1.65E-05
9632	437404.1	3763664	0.000218118	3.56E-05	1.65E-05
9633	437413.7	3763664	0.00021924	3.58E-05	1.66E-05
9634	437423.4	3763664	0.000220456	3.60E-05	1.67E-05
9635	437433	3763664	0.000221672	3.62E-05	1.68E-05
9636	437442.7	3763664	0.000222982	3.64E-05	1.69E-05
9637	437452.3	3763664	0.000224291	3.66E-05	1.70E-05
9638	437462	3763664	0.0002256	3.69E-05	1.71E-05
9639	437471.6	3763664	0.000227003	3.71E-05	1.72E-05
9640	437481.3	3763664	0.000228406	3.73E-05	1.73E-05
9641	437490.9	3763663	0.000229903	3.76E-05	1.74E-05
9642	437500.6	3763663	0.000230932	3.77E-05	1.75E-05
9643	437510.2	3763663	0.000231961	3.79E-05	1.76E-05
9644	437519.9	3763663	0.00023299	3.81E-05	1.77E-05
9645	437529.5	3763663	0.000234112	3.82E-05	1.77E-05
9646	437539.2	3763663	0.000235141	3.84E-05	1.78E-05
9647	437548.8	3763663	0.000236263	3.86E-05	1.79E-05
9648	437356.7	3763700	0.000199037	3.25E-05	1.51E-05
9649	437347.8	3763696	0.000199598	3.26E-05	1.51E-05
9650	437338.9	3763693	0.000200066	3.27E-05	1.52E-05
9651	437285.6	3763671	0.000202124	3.30E-05	1.53E-05
9652	437276.7	3763667	0.000202591	3.31E-05	1.54E-05
9653	437267.8	3763663	0.000203153	3.32E-05	1.54E-05
9654	437259	3763660	0.000203714	3.33E-05	1.54E-05
9655	437250.1	3763656	0.000204369	3.34E-05	1.55E-05
9656	437241.2	3763652	0.000204649	3.34E-05	1.55E-05
9657	437232.3	3763649	0.00020493	3.35E-05	1.55E-05
9658	437223.4	3763645	0.000205117	3.35E-05	1.55E-05
9659	437214.6	3763641	0.000205304	3.35E-05	1.56E-05
9660	437205.7	3763638	0.000205491	3.36E-05	1.56E-05
9661	437196.8	3763634	0.000205678	3.36E-05	1.56E-05
9662	437187.9	3763630	0.000206052	3.37E-05	1.56E-05
9663	437116.8	3763601	0.000214564	3.51E-05	1.63E-05
9664	437108	3763598	0.000215125	3.51E-05	1.63E-05
9665	437099.1	3763594	0.00021578	3.53E-05	1.64E-05
9666	437090.2	3763590	0.000216995	3.54E-05	1.64E-05

9667	437081.3	3763587	0.000218492	3.57E-05	1.66E-05
9668	437072.4	3763583	0.00022242	3.63E-05	1.69E-05
9669	437063.6	3763579	0.000223636	3.65E-05	1.69E-05
9670	437054.7	3763576	0.000224852	3.67E-05	1.70E-05
9671	437045.8	3763572	0.000225975	3.69E-05	1.71E-05
9672	437036.9	3763568	0.000227191	3.71E-05	1.72E-05
9673	437028	3763565	0.000228594	3.73E-05	1.73E-05
9674	437019.1	3763561	0.00023009	3.76E-05	1.74E-05
9675	437010.3	3763557	0.00023168	3.78E-05	1.76E-05
9676	437001.4	3763554	0.00023299	3.81E-05	1.77E-05
9677	436992.5	3763550	0.000234299	3.83E-05	1.78E-05
9678	436983.6	3763546	0.000235515	3.85E-05	1.78E-05
9679	436974.7	3763543	0.000236731	3.87E-05	1.79E-05
9680	436965.9	3763539	0.00023776	3.88E-05	1.80E-05
9681	436957	3763535	0.000238695	3.90E-05	1.81E-05
9682	436948.1	3763532	0.00023963	3.91E-05	1.82E-05
9683	436939.2	3763528	0.000240379	3.93E-05	1.82E-05
9684	436930.3	3763524	0.00024122	3.94E-05	1.83E-05
9685	436921.4	3763521	0.000241969	3.95E-05	1.83E-05
9686	436912.6	3763517	0.00024281	3.97E-05	1.84E-05
9687	436903.7	3763513	0.000243652	3.98E-05	1.85E-05
9688	436894.8	3763510	0.000244401	3.99E-05	1.85E-05
9689	436885.9	3763506	0.000245523	4.01E-05	1.86E-05
9690	436877	3763502	0.000246739	4.03E-05	1.87E-05
9691	436868.2	3763499	0.000247955	4.05E-05	1.88E-05
9692	436859.3	3763495	0.00024889	4.07E-05	1.89E-05
9693	436850.4	3763491	0.000249732	4.08E-05	1.89E-05
9694	436841.5	3763488	0.000250667	4.10E-05	1.90E-05
9695	436832.6	3763484	0.000251509	4.11E-05	1.91E-05
9696	436823.7	3763480	0.000252444	4.12E-05	1.91E-05
9697	436814.9	3763477	0.000253473	4.14E-05	1.92E-05
9698	436806	3763473	0.000254502	4.16E-05	1.93E-05
9699	436797.1	3763469	0.000255437	4.17E-05	1.94E-05
9700	436788.2	3763466	0.000255905	4.18E-05	1.94E-05
9701	436779.3	3763462	0.000256373	4.19E-05	1.94E-05
9702	436744.7	3763396	0.000284807	4.65E-05	2.16E-05
9703	436741	3763387	0.000289109	4.72E-05	2.19E-05
9704	436737.3	3763378	0.000293412	4.79E-05	2.22E-05
9705	436733.6	3763370	0.000297714	4.86E-05	2.26E-05
9706	436730	3763361	0.000302017	4.93E-05	2.29E-05
9707	436726.3	3763352	0.000306319	5.00E-05	2.32E-05
9708	436722.6	3763343	0.000310622	5.07E-05	2.35E-05
9709	436718.9	3763334	0.000314924	5.14E-05	2.39E-05
9710	436715.2	3763325	0.000319227	5.22E-05	2.42E-05
9711	436711.6	3763316	0.000323623	5.29E-05	2.45E-05
9712	436707.9	3763307	0.000328019	5.36E-05	2.49E-05
9713	436704.2	3763299	0.000332228	5.43E-05	2.52E-05
9714	436700.5	3763290	0.000336343	5.49E-05	2.55E-05
9715	436696.8	3763281	0.000339897	5.55E-05	2.58E-05
9716	436693.1	3763272	0.000343451	5.61E-05	2.60E-05
9717	436689.5	3763263	0.000347006	5.67E-05	2.63E-05
9718	436685.8	3763254	0.000350653	5.73E-05	2.66E-05

9719	436682.1	3763245	0.000354208	5.79E-05	2.68E-05
9720	436678.4	3763236	0.000357855	5.85E-05	2.71E-05
9721	436674.7	3763228	0.00036169	5.91E-05	2.74E-05
9722	436671.1	3763219	0.000365899	5.98E-05	2.77E-05
9723	436667.4	3763210	0.000370108	6.05E-05	2.80E-05
9724	436663.7	3763201	0.000374317	6.12E-05	2.84E-05
9725	436660	3763192	0.000378058	6.18E-05	2.86E-05
9726	436656.3	3763183	0.000381613	6.23E-05	2.89E-05
9727	436652.6	3763174	0.000385073	6.29E-05	2.92E-05
9728	436649	3763165	0.00038816	6.34E-05	2.94E-05
9729	436645.3	3763157	0.000390779	6.38E-05	2.96E-05
9730	436641.6	3763148	0.000393398	6.43E-05	2.98E-05
9731	436637.9	3763139	0.000395923	6.47E-05	3.00E-05
9732	436634.2	3763130	0.000397887	6.50E-05	3.02E-05
9733	436630.6	3763121	0.000399664	6.53E-05	3.03E-05
9734	436626.9	3763112	0.000401067	6.55E-05	3.04E-05
9735	436623.2	3763103	0.000402658	6.58E-05	3.05E-05
9736	436619.5	3763094	0.000404061	6.60E-05	3.06E-05
9737	436615.8	3763086	0.000405557	6.63E-05	3.07E-05
9738	436612.2	3763077	0.000407241	6.65E-05	3.09E-05
9739	436608.5	3763068	0.000409485	6.69E-05	3.10E-05
9740	436604.8	3763059	0.000411356	6.72E-05	3.12E-05
9741	436601.1	3763050	0.000412198	6.73E-05	3.12E-05
9742	436597.4	3763041	0.000412853	6.74E-05	3.13E-05
9743	436593.7	3763032	0.000413414	6.75E-05	3.13E-05
9744	436590.1	3763023	0.000413788	6.76E-05	3.14E-05
9745	436586.4	3763015	0.000414069	6.76E-05	3.14E-05
9746	436582.7	3763006	0.000414256	6.77E-05	3.14E-05
9747	436579	3762997	0.000414256	6.77E-05	3.14E-05
9748	436575.3	3762988	0.000414162	6.77E-05	3.14E-05
9749	436571.7	3762979	0.000413881	6.76E-05	3.14E-05
9750	436568	3762970	0.000413507	6.76E-05	3.13E-05
9751	436564.3	3762961	0.000413133	6.75E-05	3.13E-05
9752	436560.6	3762952	0.000412572	6.74E-05	3.13E-05
9753	436556.9	3762944	0.000411917	6.73E-05	3.12E-05
9754	436553.3	3762935	0.000411263	6.72E-05	3.12E-05
9755	436549.6	3762926	0.000410421	6.70E-05	3.11E-05
9756	436545.9	3762917	0.000409579	6.69E-05	3.10E-05
9757	437365.5	3763704	0.00019857	3.24E-05	1.50E-05
9758	437375.2	3763704	0.000199411	3.26E-05	1.51E-05
9759	437384.8	3763704	0.000200347	3.27E-05	1.52E-05
9760	437394.5	3763704	0.000201282	3.29E-05	1.53E-05
9761	437404.1	3763704	0.000202124	3.30E-05	1.53E-05
9762	437413.8	3763704	0.000202966	3.32E-05	1.54E-05
9763	437423.4	3763704	0.000203714	3.33E-05	1.54E-05
9764	437433.1	3763704	0.000204462	3.34E-05	1.55E-05
9765	437442.8	3763704	0.000205397	3.36E-05	1.56E-05
9766	437452.4	3763704	0.000206333	3.37E-05	1.56E-05
9767	437462.1	3763704	0.000207175	3.38E-05	1.57E-05
9768	437471.7	3763704	0.00020811	3.40E-05	1.58E-05
9769	437481.4	3763704	0.000209139	3.42E-05	1.58E-05
9770	437491	3763703	0.000210074	3.43E-05	1.59E-05

9771	437500.7	3763703	0.000211477	3.45E-05	1.60E-05
9772	437510.3	3763703	0.000212787	3.48E-05	1.61E-05
9773	437520	3763703	0.000214283	3.50E-05	1.62E-05
9774	437529.6	3763703	0.000215405	3.52E-05	1.63E-05
9775	437539.3	3763703	0.000216434	3.54E-05	1.64E-05
9776	437548.9	3763703	0.000217557	3.55E-05	1.65E-05
9777	437356.7	3763740	0.000185475	3.03E-05	1.41E-05
9778	437347.8	3763736	0.000185849	3.04E-05	1.41E-05
9779	437338.9	3763733	0.000186223	3.04E-05	1.41E-05
9780	437330	3763729	0.000186504	3.05E-05	1.41E-05
9781	437321.1	3763725	0.000186784	3.05E-05	1.42E-05
9782	437312.2	3763722	0.000187065	3.06E-05	1.42E-05
9783	437303.3	3763718	0.000187346	3.06E-05	1.42E-05
9784	437294.4	3763714	0.000187533	3.06E-05	1.42E-05
9785	437285.5	3763711	0.000187813	3.07E-05	1.42E-05
9786	437276.6	3763707	0.000188094	3.07E-05	1.43E-05
9787	437267.7	3763703	0.000188375	3.08E-05	1.43E-05
9788	437258.8	3763700	0.000188655	3.08E-05	1.43E-05
9789	437249.8	3763696	0.000189029	3.09E-05	1.43E-05
9790	437240.9	3763692	0.000189497	3.10E-05	1.44E-05
9791	437143	3763652	0.000195015	3.19E-05	1.48E-05
9792	437134.1	3763648	0.000196044	3.20E-05	1.49E-05
9793	437125.2	3763645	0.00019698	3.22E-05	1.49E-05
9794	437116.3	3763641	0.000197821	3.23E-05	1.50E-05
9795	437107.3	3763637	0.000198757	3.25E-05	1.51E-05
9796	437098.4	3763634	0.000199692	3.26E-05	1.51E-05
9797	437089.5	3763630	0.000200721	3.28E-05	1.52E-05
9798	437027.2	3763604	0.000207642	3.39E-05	1.57E-05
9799	437018.3	3763601	0.000208765	3.41E-05	1.58E-05
9800	437009.4	3763597	0.0002097	3.43E-05	1.59E-05
9801	437000.5	3763593	0.000211103	3.45E-05	1.60E-05
9802	436991.6	3763589	0.000212599	3.47E-05	1.61E-05
9803	436982.7	3763586	0.000215686	3.52E-05	1.63E-05
9804	436973.8	3763582	0.000216902	3.54E-05	1.64E-05
9805	436964.9	3763578	0.000218024	3.56E-05	1.65E-05
9806	436955.9	3763575	0.000219147	3.58E-05	1.66E-05
9807	436947	3763571	0.000220176	3.60E-05	1.67E-05
9808	436938.1	3763567	0.000221111	3.61E-05	1.68E-05
9809	436929.2	3763564	0.000221953	3.63E-05	1.68E-05
9810	436920.3	3763560	0.000222794	3.64E-05	1.69E-05
9811	436911.4	3763556	0.000223075	3.64E-05	1.69E-05
9812	436902.5	3763553	0.000223917	3.66E-05	1.70E-05
9813	436893.6	3763549	0.000224665	3.67E-05	1.70E-05
9814	436884.7	3763545	0.000225507	3.68E-05	1.71E-05
9815	436875.8	3763542	0.000226349	3.70E-05	1.72E-05
9816	436866.9	3763538	0.000227284	3.71E-05	1.72E-05
9817	436858	3763534	0.000228032	3.73E-05	1.73E-05
9818	436849.1	3763531	0.000228594	3.73E-05	1.73E-05
9819	436840.2	3763527	0.000229248	3.75E-05	1.74E-05
9820	436831.3	3763523	0.000229997	3.76E-05	1.74E-05
9821	436822.4	3763520	0.000230745	3.77E-05	1.75E-05
9822	436813.4	3763516	0.000231493	3.78E-05	1.75E-05

9823	436804.5	3763512	0.000232335	3.80E-05	1.76E-05
9824	436795.6	3763509	0.000233364	3.81E-05	1.77E-05
9825	436786.7	3763505	0.000234299	3.83E-05	1.78E-05
9826	436777.8	3763501	0.000235141	3.84E-05	1.78E-05
9827	436738.5	3763478	0.00024122	3.94E-05	1.83E-05
9828	436734.8	3763469	0.000244962	4.00E-05	1.86E-05
9829	436731.1	3763460	0.000248516	4.06E-05	1.88E-05
9830	436727.4	3763451	0.000252257	4.12E-05	1.91E-05
9831	436723.7	3763442	0.000256092	4.18E-05	1.94E-05
9832	436720	3763433	0.000259833	4.24E-05	1.97E-05
9833	436716.4	3763424	0.000263575	4.31E-05	2.00E-05
9834	436712.7	3763415	0.00026741	4.37E-05	2.03E-05
9835	436709	3763407	0.000271244	4.43E-05	2.06E-05
9836	436705.3	3763398	0.000275079	4.49E-05	2.08E-05
9837	436701.6	3763389	0.000278914	4.56E-05	2.11E-05
9838	436697.9	3763380	0.000282749	4.62E-05	2.14E-05
9839	436694.2	3763371	0.000286584	4.68E-05	2.17E-05
9840	436690.5	3763362	0.000290419	4.74E-05	2.20E-05
9841	436686.8	3763353	0.00029416	4.81E-05	2.23E-05
9842	436683.1	3763344	0.000297808	4.87E-05	2.26E-05
9843	436679.4	3763335	0.000301268	4.92E-05	2.28E-05
9844	436675.8	3763326	0.000304635	4.98E-05	2.31E-05
9845	436672.1	3763318	0.000308096	5.03E-05	2.33E-05
9846	436668.4	3763309	0.000311744	5.09E-05	2.36E-05
9847	436664.7	3763300	0.000315298	5.15E-05	2.39E-05
9848	436661	3763291	0.000318759	5.21E-05	2.42E-05
9849	436657.3	3763282	0.00032222	5.26E-05	2.44E-05
9850	436653.6	3763273	0.000325587	5.32E-05	2.47E-05
9851	436649.9	3763264	0.000328954	5.37E-05	2.49E-05
9852	436646.2	3763255	0.000332134	5.43E-05	2.52E-05
9853	436642.5	3763246	0.000335314	5.48E-05	2.54E-05
9854	436638.8	3763237	0.000338401	5.53E-05	2.56E-05
9855	436635.1	3763229	0.000341581	5.58E-05	2.59E-05
9856	436631.5	3763220	0.000345229	5.64E-05	2.62E-05
9857	436627.8	3763211	0.000348783	5.70E-05	2.64E-05
9858	436624.1	3763202	0.000352243	5.75E-05	2.67E-05
9859	436620.4	3763193	0.000355143	5.80E-05	2.69E-05
9860	436616.7	3763184	0.000357762	5.84E-05	2.71E-05
9861	436613	3763175	0.000360381	5.89E-05	2.73E-05
9862	436609.3	3763166	0.000363	5.93E-05	2.75E-05
9863	436605.6	3763157	0.000365619	5.97E-05	2.77E-05
9864	436601.9	3763148	0.000367957	6.01E-05	2.79E-05
9865	436598.2	3763140	0.000370108	6.05E-05	2.80E-05
9866	436594.5	3763131	0.000371418	6.07E-05	2.81E-05
9867	436590.9	3763122	0.000372634	6.09E-05	2.82E-05
9868	436587.2	3763113	0.000374037	6.11E-05	2.83E-05
9869	436583.5	3763104	0.000375627	6.14E-05	2.85E-05
9870	436579.8	3763095	0.00037731	6.16E-05	2.86E-05
9871	436576.1	3763086	0.000378807	6.19E-05	2.87E-05
9872	436572.4	3763077	0.000380303	6.21E-05	2.88E-05
9873	436568.7	3763068	0.000381145	6.23E-05	2.89E-05
9874	436565	3763060	0.000381893	6.24E-05	2.89E-05

9875	436561.3	3763051	0.000382455	6.25E-05	2.90E-05
9876	436557.6	3763042	0.000382922	6.26E-05	2.90E-05
9877	436553.9	3763033	0.000383296	6.26E-05	2.90E-05
9878	436550.2	3763024	0.000383483	6.26E-05	2.91E-05
9879	436546.6	3763015	0.000383483	6.26E-05	2.91E-05
9880	436542.9	3763006	0.000383483	6.26E-05	2.91E-05
9881	436539.2	3762997	0.000383296	6.26E-05	2.90E-05
9882	436535.5	3762988	0.000383109	6.26E-05	2.90E-05
9883	436531.8	3762979	0.000382829	6.25E-05	2.90E-05
9884	436528.1	3762971	0.000382361	6.25E-05	2.90E-05
9885	436524.4	3762962	0.000381893	6.24E-05	2.89E-05
9886	436520.7	3762953	0.000381426	6.23E-05	2.89E-05
9887	436517	3762944	0.000380771	6.22E-05	2.89E-05
9888	436513.3	3762935	0.000380116	6.21E-05	2.88E-05
9889	436509.6	3762926	0.000379368	6.20E-05	2.87E-05
9890	436506	3762917	0.000378526	6.18E-05	2.87E-05
9891	436502.3	3762908	0.000377684	6.17E-05	2.86E-05
9892	437365.6	3763744	0.000185101	3.02E-05	1.40E-05
9893	437375.3	3763744	0.000185943	3.04E-05	1.41E-05
9894	437384.9	3763744	0.000186691	3.05E-05	1.41E-05
9895	437394.6	3763744	0.000187533	3.06E-05	1.42E-05
9896	437404.2	3763744	0.000188281	3.08E-05	1.43E-05
9897	437413.9	3763744	0.000188936	3.09E-05	1.43E-05
9898	437423.5	3763744	0.000189497	3.10E-05	1.44E-05
9899	437433.2	3763744	0.000190058	3.10E-05	1.44E-05
9900	437442.8	3763744	0.000190713	3.12E-05	1.45E-05
9901	437452.5	3763744	0.00019118	3.12E-05	1.45E-05
9902	437462.1	3763744	0.000191742	3.13E-05	1.45E-05
9903	437471.8	3763744	0.00019249	3.14E-05	1.46E-05
9904	437481.4	3763744	0.000193332	3.16E-05	1.46E-05
9905	437491.1	3763743	0.000194174	3.17E-05	1.47E-05
9906	437500.7	3763743	0.000195577	3.20E-05	1.48E-05
9907	437510.4	3763743	0.00019698	3.22E-05	1.49E-05
9908	437520	3763743	0.00019857	3.24E-05	1.50E-05
9909	437529.7	3763743	0.000199505	3.26E-05	1.51E-05
9910	437539.3	3763743	0.00020044	3.27E-05	1.52E-05
9911	437549	3763743	0.000201282	3.29E-05	1.53E-05
9912	437356.9	3763780	0.000173409	2.83E-05	1.31E-05
9913	437348.1	3763776	0.00017369	2.84E-05	1.32E-05
9914	437339.3	3763773	0.000173971	2.84E-05	1.32E-05
9915	437330.5	3763769	0.000174251	2.85E-05	1.32E-05
9916	437321.7	3763766	0.000174532	2.85E-05	1.32E-05
9917	437312.9	3763762	0.000174906	2.86E-05	1.33E-05
9918	437304.1	3763758	0.000175093	2.86E-05	1.33E-05
9919	437295.2	3763755	0.000175374	2.86E-05	1.33E-05
9920	437286.4	3763751	0.000175561	2.87E-05	1.33E-05
9921	437277.6	3763747	0.000175654	2.87E-05	1.33E-05
9922	437268.8	3763744	0.000175748	2.87E-05	1.33E-05
9923	437260	3763740	0.000175841	2.87E-05	1.33E-05
9924	437251.2	3763737	0.000175935	2.87E-05	1.33E-05
9925	437242.4	3763733	0.000176215	2.88E-05	1.34E-05
9926	437233.6	3763729	0.000176589	2.88E-05	1.34E-05

9927	437224.8	3763726	0.000176964	2.89E-05	1.34E-05
9928	437216	3763722	0.000177338	2.90E-05	1.34E-05
9929	437207.2	3763718	0.000177712	2.90E-05	1.35E-05
9930	437198.4	3763715	0.000178179	2.91E-05	1.35E-05
9931	437189.6	3763711	0.000178647	2.92E-05	1.35E-05
9932	437180.7	3763707	0.000178928	2.92E-05	1.36E-05
9933	437101.5	3763675	0.000183791	3.00E-05	1.39E-05
9934	437092.7	3763671	0.00018454	3.01E-05	1.40E-05
9935	437083.9	3763668	0.000185381	3.03E-05	1.40E-05
9936	437075.1	3763664	0.000186223	3.04E-05	1.41E-05
9937	437066.2	3763660	0.000187159	3.06E-05	1.42E-05
9938	437057.4	3763657	0.000188094	3.07E-05	1.43E-05
9939	437048.6	3763653	0.000189029	3.09E-05	1.43E-05
9940	437039.8	3763649	0.000190058	3.10E-05	1.44E-05
9941	437031	3763646	0.000190993	3.12E-05	1.45E-05
9942	437022.2	3763642	0.000192116	3.14E-05	1.46E-05
9943	437013.4	3763638	0.000193332	3.16E-05	1.46E-05
9944	437004.6	3763635	0.000194641	3.18E-05	1.47E-05
9945	436925.3	3763602	0.000205304	3.35E-05	1.56E-05
9946	436916.5	3763598	0.000206146	3.37E-05	1.56E-05
9947	436907.7	3763595	0.000206333	3.37E-05	1.56E-05
9948	436898.9	3763591	0.000207081	3.38E-05	1.57E-05
9949	436890.1	3763588	0.000207829	3.40E-05	1.57E-05
9950	436881.3	3763584	0.000208765	3.41E-05	1.58E-05
9951	436872.5	3763580	0.000209606	3.42E-05	1.59E-05
9952	436863.7	3763577	0.000210448	3.44E-05	1.59E-05
9953	436854.9	3763573	0.000211103	3.45E-05	1.60E-05
9954	436846.1	3763569	0.000211664	3.46E-05	1.60E-05
9955	436837.2	3763566	0.000212038	3.46E-05	1.61E-05
9956	436828.4	3763562	0.000212319	3.47E-05	1.61E-05
9957	436819.6	3763559	0.000212693	3.47E-05	1.61E-05
9958	436810.8	3763555	0.000213254	3.48E-05	1.62E-05
9959	436802	3763551	0.000213722	3.49E-05	1.62E-05
9960	436793.2	3763548	0.000214283	3.50E-05	1.62E-05
9961	436784.4	3763544	0.000214938	3.51E-05	1.63E-05
9962	436775.6	3763540	0.000215686	3.52E-05	1.63E-05
9963	436740.4	3763526	0.000218773	3.57E-05	1.66E-05
9964	436731.6	3763522	0.000219427	3.58E-05	1.66E-05
9965	436722.7	3763519	0.000220456	3.60E-05	1.67E-05
9966	436710.3	3763506	0.000224385	3.67E-05	1.70E-05
9967	436706.6	3763497	0.000227752	3.72E-05	1.73E-05
9968	436703	3763489	0.000231025	3.77E-05	1.75E-05
9969	436699.3	3763480	0.000234393	3.83E-05	1.78E-05
9970	436695.7	3763471	0.000237666	3.88E-05	1.80E-05
9971	436692	3763462	0.000241033	3.94E-05	1.83E-05
9972	436688.4	3763453	0.000244307	3.99E-05	1.85E-05
9973	436684.7	3763445	0.000247487	4.04E-05	1.88E-05
9974	436681.1	3763436	0.000250761	4.10E-05	1.90E-05
9975	436677.4	3763427	0.000254315	4.15E-05	1.93E-05
9976	436673.8	3763418	0.000257776	4.21E-05	1.95E-05
9977	436670.1	3763409	0.00026133	4.27E-05	1.98E-05
9978	436666.5	3763401	0.000264697	4.32E-05	2.01E-05

9979	436662.8	3763392	0.000268158	4.38E-05	2.03E-05
9980	436659.2	3763383	0.000271618	4.44E-05	2.06E-05
9981	436655.5	3763374	0.000275079	4.49E-05	2.08E-05
9982	436651.9	3763365	0.000278353	4.55E-05	2.11E-05
9983	436648.2	3763357	0.00028172	4.60E-05	2.13E-05
9984	436644.6	3763348	0.000284994	4.66E-05	2.16E-05
9985	436640.9	3763339	0.00028808	4.71E-05	2.18E-05
9986	436637.3	3763330	0.000291167	4.76E-05	2.21E-05
9987	436633.6	3763321	0.00029416	4.81E-05	2.23E-05
9988	436630	3763313	0.000297153	4.85E-05	2.25E-05
9989	436626.3	3763304	0.000300052	4.90E-05	2.27E-05
9990	436622.7	3763295	0.000302858	4.95E-05	2.29E-05
9991	436619	3763286	0.000305571	4.99E-05	2.32E-05
9992	436615.4	3763277	0.00030847	5.04E-05	2.34E-05
9993	436611.7	3763269	0.000311276	5.09E-05	2.36E-05
9994	436608.1	3763260	0.000313989	5.13E-05	2.38E-05
9995	436604.4	3763251	0.000316888	5.18E-05	2.40E-05
9996	436600.8	3763242	0.000319694	5.22E-05	2.42E-05
9997	436597.1	3763233	0.0003225	5.27E-05	2.44E-05
9998	436593.5	3763225	0.000325587	5.32E-05	2.47E-05
9999	436589.8	3763216	0.00032886	5.37E-05	2.49E-05
10000	436586.2	3763207	0.00033204	5.42E-05	2.52E-05
10001	436582.5	3763198	0.000335034	5.47E-05	2.54E-05
10002	436578.9	3763189	0.000337185	5.51E-05	2.56E-05
10003	436575.2	3763181	0.000339242	5.54E-05	2.57E-05
10004	436571.6	3763172	0.000341207	5.57E-05	2.59E-05
10005	436567.9	3763163	0.000342984	5.60E-05	2.60E-05
10006	436564.3	3763154	0.000344667	5.63E-05	2.61E-05
10007	436560.6	3763145	0.000346257	5.66E-05	2.62E-05
10008	436557	3763137	0.000347754	5.68E-05	2.64E-05
10009	436553.3	3763128	0.000349157	5.70E-05	2.65E-05
10010	436549.7	3763119	0.000350373	5.72E-05	2.65E-05
10011	436546	3763110	0.000351495	5.74E-05	2.66E-05
10012	436542.4	3763101	0.000352524	5.76E-05	2.67E-05
10013	436538.7	3763093	0.000353366	5.77E-05	2.68E-05
10014	436535.1	3763084	0.000354114	5.78E-05	2.68E-05
10015	436531.4	3763075	0.000354769	5.80E-05	2.69E-05
10016	436527.8	3763066	0.00035533	5.80E-05	2.69E-05
10017	436524.1	3763057	0.000355704	5.81E-05	2.70E-05
10018	436520.5	3763049	0.000356078	5.82E-05	2.70E-05
10019	436516.8	3763040	0.000356265	5.82E-05	2.70E-05
10020	436513.2	3763031	0.000356359	5.82E-05	2.70E-05
10021	436509.5	3763022	0.000356359	5.82E-05	2.70E-05
10022	436505.9	3763013	0.000356265	5.82E-05	2.70E-05
10023	436502.2	3763005	0.000356078	5.82E-05	2.70E-05
10024	436498.6	3762996	0.000355891	5.81E-05	2.70E-05
10025	436494.9	3762987	0.000355517	5.81E-05	2.69E-05
10026	436491.3	3762978	0.000355237	5.80E-05	2.69E-05
10027	436487.6	3762969	0.000354769	5.80E-05	2.69E-05
10028	436484	3762961	0.000354301	5.79E-05	2.68E-05
10029	436480.3	3762952	0.00035374	5.78E-05	2.68E-05
10030	436476.7	3762943	0.000353179	5.77E-05	2.68E-05

10031	436473	3762934	0.000352524	5.76E-05	2.67E-05
10032	436469.4	3762925	0.000351776	5.75E-05	2.67E-05
10033	436465.7	3762917	0.000351121	5.74E-05	2.66E-05
10034	436462.1	3762908	0.000350373	5.72E-05	2.65E-05
10035	437365.7	3763784	0.000173129	2.83E-05	1.31E-05
10036	437375.4	3763784	0.000173877	2.84E-05	1.32E-05
10037	437385	3763784	0.000174532	2.85E-05	1.32E-05
10038	437394.7	3763784	0.000175186	2.86E-05	1.33E-05
10039	437404.3	3763784	0.000175841	2.87E-05	1.33E-05
10040	437414	3763784	0.000176402	2.88E-05	1.34E-05
10041	437423.6	3763784	0.000176964	2.89E-05	1.34E-05
10042	437433.3	3763784	0.000177431	2.90E-05	1.34E-05
10043	437442.9	3763784	0.000177899	2.91E-05	1.35E-05
10044	437452.6	3763784	0.000178367	2.91E-05	1.35E-05
10045	437462.2	3763784	0.000178834	2.92E-05	1.36E-05
10046	437471.9	3763784	0.000179676	2.94E-05	1.36E-05
10047	437481.5	3763784	0.000180611	2.95E-05	1.37E-05
10048	437491.2	3763783	0.000181547	2.97E-05	1.38E-05
10049	437500.8	3763783	0.000182576	2.98E-05	1.38E-05
10050	437510.5	3763783	0.000183698	3.00E-05	1.39E-05
10051	437520.1	3763783	0.000184914	3.02E-05	1.40E-05
10052	437529.8	3763783	0.000185475	3.03E-05	1.41E-05
10053	437539.4	3763783	0.000186036	3.04E-05	1.41E-05
10054	437549.1	3763783	0.000186597	3.05E-05	1.41E-05
10055	437357	3763820	0.00016284	2.66E-05	1.23E-05
10056	437348.1	3763816	0.000163121	2.66E-05	1.24E-05
10057	437339.3	3763813	0.000163308	2.67E-05	1.24E-05
10058	437330.5	3763809	0.000163588	2.67E-05	1.24E-05
10059	437321.6	3763806	0.000163775	2.68E-05	1.24E-05
10060	437312.8	3763802	0.000164056	2.68E-05	1.24E-05
10061	437304	3763798	0.000164337	2.68E-05	1.25E-05
10062	437295.1	3763795	0.000164617	2.69E-05	1.25E-05
10063	437286.3	3763791	0.000164804	2.69E-05	1.25E-05
10064	437277.5	3763787	0.000165085	2.70E-05	1.25E-05
10065	437268.6	3763784	0.000165272	2.70E-05	1.25E-05
10066	437259.8	3763780	0.000165459	2.70E-05	1.25E-05
10067	437251	3763776	0.000165553	2.70E-05	1.25E-05
10068	437242.1	3763773	0.00016574	2.71E-05	1.26E-05
10069	437233.3	3763769	0.000165833	2.71E-05	1.26E-05
10070	437224.5	3763765	0.00016602	2.71E-05	1.26E-05
10071	437215.6	3763762	0.000166207	2.72E-05	1.26E-05
10072	437206.8	3763758	0.000166394	2.72E-05	1.26E-05
10073	437198	3763755	0.000166675	2.72E-05	1.26E-05
10074	437189.1	3763751	0.000166956	2.73E-05	1.27E-05
10075	437180.3	3763747	0.000167236	2.73E-05	1.27E-05
10076	437153.8	3763736	0.000168172	2.75E-05	1.27E-05
10077	437145	3763733	0.000168639	2.75E-05	1.28E-05
10078	437136.1	3763729	0.000169107	2.76E-05	1.28E-05
10079	437127.3	3763725	0.000169481	2.77E-05	1.28E-05
10080	437118.5	3763722	0.000169855	2.77E-05	1.29E-05
10081	437109.6	3763718	0.000170229	2.78E-05	1.29E-05
10082	437100.8	3763714	0.000170697	2.79E-05	1.29E-05

10083	437092	3763711	0.000170977	2.79E-05	1.30E-05
10084	437083.2	3763707	0.000171352	2.80E-05	1.30E-05
10085	437012.5	3763678	0.000178273	2.91E-05	1.35E-05
10086	437003.7	3763674	0.000179489	2.93E-05	1.36E-05
10087	436994.8	3763671	0.000180798	2.95E-05	1.37E-05
10088	436986	3763667	0.000182108	2.98E-05	1.38E-05
10089	436977.2	3763663	0.000183417	3.00E-05	1.39E-05
10090	436968.3	3763660	0.000186223	3.04E-05	1.41E-05
10091	436959.5	3763656	0.000187159	3.06E-05	1.42E-05
10092	436950.7	3763653	0.000188	3.07E-05	1.42E-05
10093	436941.8	3763649	0.000188842	3.09E-05	1.43E-05
10094	436933	3763645	0.000189778	3.10E-05	1.44E-05
10095	436924.2	3763642	0.000190619	3.11E-05	1.44E-05
10096	436915.3	3763638	0.000191461	3.13E-05	1.45E-05
10097	436906.5	3763634	0.000192209	3.14E-05	1.46E-05
10098	436844.7	3763609	0.000197167	3.22E-05	1.49E-05
10099	436835.8	3763605	0.000197821	3.23E-05	1.50E-05
10100	436827	3763602	0.000198383	3.24E-05	1.50E-05
10101	436818.2	3763598	0.000198944	3.25E-05	1.51E-05
10102	436809.3	3763594	0.000199411	3.26E-05	1.51E-05
10103	436800.5	3763591	0.000199879	3.27E-05	1.51E-05
10104	436791.7	3763587	0.00020016	3.27E-05	1.52E-05
10105	436782.8	3763583	0.00020044	3.27E-05	1.52E-05
10106	436774	3763580	0.000200721	3.28E-05	1.52E-05
10107	436747.5	3763569	0.000202124	3.30E-05	1.53E-05
10108	436738.7	3763565	0.000202591	3.31E-05	1.54E-05
10109	436729.8	3763561	0.00020334	3.32E-05	1.54E-05
10110	436721	3763558	0.000204088	3.33E-05	1.55E-05
10111	436712.2	3763554	0.00020493	3.35E-05	1.55E-05
10112	436703.4	3763551	0.000206052	3.37E-05	1.56E-05
10113	436694.5	3763547	0.0002068	3.38E-05	1.57E-05
10114	436682	3763534	0.000210729	3.44E-05	1.60E-05
10115	436678.4	3763526	0.000213815	3.49E-05	1.62E-05
10116	436674.7	3763517	0.000216621	3.54E-05	1.64E-05
10117	436671	3763508	0.000219521	3.59E-05	1.66E-05
10118	436667.4	3763499	0.00022242	3.63E-05	1.69E-05
10119	436663.7	3763490	0.000225413	3.68E-05	1.71E-05
10120	436660.1	3763481	0.000228406	3.73E-05	1.73E-05
10121	436656.4	3763473	0.000231399	3.78E-05	1.75E-05
10122	436652.7	3763464	0.000234205	3.83E-05	1.77E-05
10123	436649.1	3763455	0.000237105	3.87E-05	1.80E-05
10124	436645.4	3763446	0.000240004	3.92E-05	1.82E-05
10125	436641.8	3763437	0.000242998	3.97E-05	1.84E-05
10126	436638.1	3763429	0.000246084	4.02E-05	1.86E-05
10127	436634.4	3763420	0.000249171	4.07E-05	1.89E-05
10128	436630.8	3763411	0.000252351	4.12E-05	1.91E-05
10129	436627.1	3763402	0.000255624	4.18E-05	1.94E-05
10130	436623.5	3763393	0.000258992	4.23E-05	1.96E-05
10131	436619.8	3763384	0.000262265	4.28E-05	1.99E-05
10132	436616.1	3763376	0.000265258	4.33E-05	2.01E-05
10133	436612.5	3763367	0.000268064	4.38E-05	2.03E-05
10134	436608.8	3763358	0.00027087	4.43E-05	2.05E-05

10135	436605.1	3763349	0.000273583	4.47E-05	2.07E-05
10136	436601.5	3763340	0.000276108	4.51E-05	2.09E-05
10137	436597.8	3763331	0.000278446	4.55E-05	2.11E-05
10138	436594.2	3763323	0.000280878	4.59E-05	2.13E-05
10139	436590.5	3763314	0.00028331	4.63E-05	2.15E-05
10140	436586.8	3763305	0.000285929	4.67E-05	2.17E-05
10141	436583.2	3763296	0.000288548	4.71E-05	2.19E-05
10142	436579.5	3763287	0.000291073	4.76E-05	2.21E-05
10143	436575.9	3763279	0.000293599	4.80E-05	2.22E-05
10144	436572.2	3763270	0.000296218	4.84E-05	2.24E-05
10145	436568.5	3763261	0.000298836	4.88E-05	2.26E-05
10146	436564.9	3763252	0.000301736	4.93E-05	2.29E-05
10147	436561.2	3763243	0.000304729	4.98E-05	2.31E-05
10148	436557.6	3763234	0.000307722	5.03E-05	2.33E-05
10149	436553.9	3763226	0.000310341	5.07E-05	2.35E-05
10150	436550.2	3763217	0.000312399	5.10E-05	2.37E-05
10151	436546.6	3763208	0.000314269	5.13E-05	2.38E-05
10152	436542.9	3763199	0.00031614	5.16E-05	2.40E-05
10153	436539.3	3763190	0.000317917	5.19E-05	2.41E-05
10154	436535.6	3763181	0.000319601	5.22E-05	2.42E-05
10155	436531.9	3763173	0.000321097	5.25E-05	2.43E-05
10156	436528.3	3763164	0.000322594	5.27E-05	2.44E-05
10157	436524.6	3763155	0.000323903	5.29E-05	2.45E-05
10158	436521	3763146	0.000325213	5.31E-05	2.46E-05
10159	436517.3	3763137	0.000326335	5.33E-05	2.47E-05
10160	436513.6	3763128	0.000327457	5.35E-05	2.48E-05
10161	436510	3763120	0.000328393	5.36E-05	2.49E-05
10162	436506.3	3763111	0.000329234	5.38E-05	2.49E-05
10163	436502.6	3763102	0.000329983	5.39E-05	2.50E-05
10164	436499	3763093	0.000330544	5.40E-05	2.50E-05
10165	436495.3	3763084	0.000331105	5.41E-05	2.51E-05
10166	436491.7	3763076	0.000331573	5.42E-05	2.51E-05
10167	436488	3763067	0.000331853	5.42E-05	2.51E-05
10168	436484.3	3763058	0.000332134	5.43E-05	2.52E-05
10169	436480.7	3763049	0.000332321	5.43E-05	2.52E-05
10170	436477	3763040	0.000332321	5.43E-05	2.52E-05
10171	436473.4	3763031	0.000332321	5.43E-05	2.52E-05
10172	436469.7	3763023	0.000332228	5.43E-05	2.52E-05
10173	436466	3763014	0.00033204	5.42E-05	2.52E-05
10174	436462.4	3763005	0.000331853	5.42E-05	2.51E-05
10175	436458.7	3762996	0.000331573	5.42E-05	2.51E-05
10176	436455.1	3762987	0.000331199	5.41E-05	2.51E-05
10177	436451.4	3762978	0.000330825	5.40E-05	2.51E-05
10178	436447.7	3762970	0.000330357	5.40E-05	2.50E-05
10179	436444.1	3762961	0.000329889	5.39E-05	2.50E-05
10180	436440.4	3762952	0.000329422	5.38E-05	2.50E-05
10181	436436.8	3762943	0.00032886	5.37E-05	2.49E-05
10182	436433.1	3762934	0.000328206	5.36E-05	2.49E-05
10183	436429.4	3762926	0.000327644	5.35E-05	2.48E-05
10184	436425.8	3762917	0.000326896	5.34E-05	2.48E-05
10185	436422.1	3762908	0.000326148	5.33E-05	2.47E-05
10186	437365.8	3763824	0.00016256	2.66E-05	1.23E-05

10187	437375.4	3763824	0.000163214	2.67E-05	1.24E-05
10188	437385.1	3763824	0.000163963	2.68E-05	1.24E-05
10189	437394.7	3763824	0.000164617	2.69E-05	1.25E-05
10190	437404.4	3763824	0.000165272	2.70E-05	1.25E-05
10191	437414	3763824	0.000165833	2.71E-05	1.26E-05
10192	437423.7	3763824	0.000166394	2.72E-05	1.26E-05
10193	437433.3	3763824	0.000166862	2.73E-05	1.26E-05
10194	437443	3763824	0.00016733	2.73E-05	1.27E-05
10195	437452.6	3763824	0.000167704	2.74E-05	1.27E-05
10196	437462.3	3763824	0.000168172	2.75E-05	1.27E-05
10197	437472	3763824	0.000168639	2.75E-05	1.28E-05
10198	437481.6	3763824	0.000169013	2.76E-05	1.28E-05
10199	437491.3	3763823	0.000169575	2.77E-05	1.28E-05
10200	437500.9	3763823	0.000170323	2.78E-05	1.29E-05
10201	437510.6	3763823	0.000171071	2.79E-05	1.30E-05
10202	437520.2	3763823	0.000171913	2.81E-05	1.30E-05
10203	437529.9	3763823	0.00017238	2.82E-05	1.31E-05
10204	437539.5	3763823	0.000172848	2.82E-05	1.31E-05
10205	437549.2	3763823	0.000173222	2.83E-05	1.31E-05
10206	437357	3763860	0.000153487	2.51E-05	1.16E-05
10207	437348.2	3763856	0.000153768	2.51E-05	1.17E-05
10208	437339.3	3763853	0.000153955	2.52E-05	1.17E-05
10209	437330.5	3763849	0.000154235	2.52E-05	1.17E-05
10210	437321.6	3763845	0.000154516	2.52E-05	1.17E-05
10211	437312.7	3763842	0.000154703	2.53E-05	1.17E-05
10212	437303.9	3763838	0.00015489	2.53E-05	1.17E-05
10213	437295	3763835	0.00015517	2.53E-05	1.18E-05
10214	437286.2	3763831	0.000155451	2.54E-05	1.18E-05
10215	437277.3	3763827	0.000155638	2.54E-05	1.18E-05
10216	437268.5	3763824	0.000155825	2.55E-05	1.18E-05
10217	437259.6	3763820	0.000156012	2.55E-05	1.18E-05
10218	437250.8	3763816	0.000156199	2.55E-05	1.18E-05
10219	437241.9	3763813	0.000156293	2.55E-05	1.18E-05
10220	437233	3763809	0.00015648	2.56E-05	1.19E-05
10221	437224.2	3763805	0.000156573	2.56E-05	1.19E-05
10222	437215.3	3763802	0.000156667	2.56E-05	1.19E-05
10223	437206.5	3763798	0.000156761	2.56E-05	1.19E-05
10224	437197.6	3763794	0.000156854	2.56E-05	1.19E-05
10225	437188.8	3763791	0.000156948	2.56E-05	1.19E-05
10226	437179.9	3763787	0.000157135	2.57E-05	1.19E-05
10227	437153.3	3763776	0.00015807	2.58E-05	1.20E-05
10228	437144.5	3763772	0.000158444	2.59E-05	1.20E-05
10229	437135.6	3763769	0.000158912	2.60E-05	1.20E-05
10230	437126.8	3763765	0.000159286	2.60E-05	1.21E-05
10231	437117.9	3763761	0.000159567	2.61E-05	1.21E-05
10232	437109.1	3763758	0.000159847	2.61E-05	1.21E-05
10233	437100.2	3763754	0.000160221	2.62E-05	1.21E-05
10234	437091.4	3763751	0.000160315	2.62E-05	1.21E-05
10235	437082.5	3763747	0.000160502	2.62E-05	1.22E-05
10236	437073.6	3763743	0.000160689	2.63E-05	1.22E-05
10237	437064.8	3763740	0.000161063	2.63E-05	1.22E-05
10238	437055.9	3763736	0.000161531	2.64E-05	1.22E-05

10239	437047.1	3763732	0.000162092	2.65E-05	1.23E-05
10240	437038.2	3763729	0.000162747	2.66E-05	1.23E-05
10241	437029.4	3763725	0.000163588	2.67E-05	1.24E-05
10242	437020.5	3763721	0.00016443	2.69E-05	1.25E-05
10243	437011.7	3763718	0.000165459	2.70E-05	1.25E-05
10244	437002.8	3763714	0.000166394	2.72E-05	1.26E-05
10245	436993.9	3763710	0.000167423	2.74E-05	1.27E-05
10246	436985.1	3763707	0.000168546	2.75E-05	1.28E-05
10247	436923.1	3763681	0.000175748	2.87E-05	1.33E-05
10248	436914.2	3763677	0.000176496	2.88E-05	1.34E-05
10249	436905.4	3763674	0.000177338	2.90E-05	1.34E-05
10250	436896.5	3763670	0.000178273	2.91E-05	1.35E-05
10251	436887.7	3763667	0.000179208	2.93E-05	1.36E-05
10252	436878.8	3763663	0.000180144	2.94E-05	1.37E-05
10253	436870	3763659	0.000180985	2.96E-05	1.37E-05
10254	436861.1	3763656	0.000181827	2.97E-05	1.38E-05
10255	436852.3	3763652	0.000182669	2.98E-05	1.38E-05
10256	436843.4	3763648	0.000183511	3.00E-05	1.39E-05
10257	436834.5	3763645	0.000184259	3.01E-05	1.40E-05
10258	436825.7	3763641	0.000185007	3.02E-05	1.40E-05
10259	436816.8	3763637	0.000185569	3.03E-05	1.41E-05
10260	436746	3763608	0.000189403	3.09E-05	1.44E-05
10261	436737.1	3763604	0.000189871	3.10E-05	1.44E-05
10262	436728.3	3763601	0.000190432	3.11E-05	1.44E-05
10263	436719.4	3763597	0.000191087	3.12E-05	1.45E-05
10264	436710.6	3763593	0.000191648	3.13E-05	1.45E-05
10265	436701.7	3763590	0.000192209	3.14E-05	1.46E-05
10266	436692.9	3763586	0.000192771	3.15E-05	1.46E-05
10267	436684	3763583	0.000193519	3.16E-05	1.47E-05
10268	436675.1	3763579	0.000194267	3.17E-05	1.47E-05
10269	436666.3	3763575	0.000194922	3.18E-05	1.48E-05
10270	436653.8	3763563	0.000198102	3.24E-05	1.50E-05
10271	436650.1	3763554	0.000200721	3.28E-05	1.52E-05
10272	436646.4	3763545	0.000203246	3.32E-05	1.54E-05
10273	436642.7	3763536	0.000205772	3.36E-05	1.56E-05
10274	436639.1	3763527	0.000208297	3.40E-05	1.58E-05
10275	436635.4	3763518	0.000211009	3.45E-05	1.60E-05
10276	436631.7	3763510	0.000213722	3.49E-05	1.62E-05
10277	436628.1	3763501	0.000216528	3.54E-05	1.64E-05
10278	436624.4	3763492	0.000219334	3.58E-05	1.66E-05
10279	436620.7	3763483	0.000222046	3.63E-05	1.68E-05
10280	436617.1	3763474	0.000224759	3.67E-05	1.70E-05
10281	436613.4	3763465	0.000227471	3.72E-05	1.72E-05
10282	436609.7	3763457	0.000230277	3.76E-05	1.74E-05
10283	436606	3763448	0.00023299	3.81E-05	1.77E-05
10284	436602.4	3763439	0.000235702	3.85E-05	1.79E-05
10285	436598.7	3763430	0.000238508	3.90E-05	1.81E-05
10286	436595	3763421	0.00024122	3.94E-05	1.83E-05
10287	436591.4	3763412	0.000243839	3.98E-05	1.85E-05
10288	436587.7	3763403	0.000246552	4.03E-05	1.87E-05
10289	436584	3763395	0.000249171	4.07E-05	1.89E-05
10290	436580.4	3763386	0.000251603	4.11E-05	1.91E-05

10291	436576.7	3763377	0.000254034	4.15E-05	1.92E-05
10292	436573	3763368	0.000256373	4.19E-05	1.94E-05
10293	436569.3	3763359	0.000258617	4.22E-05	1.96E-05
10294	436565.7	3763350	0.000260769	4.26E-05	1.98E-05
10295	436562	3763342	0.000263201	4.30E-05	1.99E-05
10296	436558.3	3763333	0.000265726	4.34E-05	2.01E-05
10297	436554.7	3763324	0.000268345	4.38E-05	2.03E-05
10298	436551	3763315	0.000270777	4.42E-05	2.05E-05
10299	436547.3	3763306	0.000273302	4.46E-05	2.07E-05
10300	436543.7	3763297	0.000275827	4.51E-05	2.09E-05
10301	436540	3763288	0.000278446	4.55E-05	2.11E-05
10302	436536.3	3763280	0.000281065	4.59E-05	2.13E-05
10303	436532.6	3763271	0.000283684	4.63E-05	2.15E-05
10304	436529	3763262	0.00028621	4.68E-05	2.17E-05
10305	436525.3	3763253	0.000288454	4.71E-05	2.19E-05
10306	436521.6	3763244	0.000290325	4.74E-05	2.20E-05
10307	436518	3763235	0.000292196	4.77E-05	2.21E-05
10308	436514.3	3763227	0.000293879	4.80E-05	2.23E-05
10309	436510.6	3763218	0.000295563	4.83E-05	2.24E-05
10310	436506.9	3763209	0.000297153	4.85E-05	2.25E-05
10311	436503.3	3763200	0.000298743	4.88E-05	2.26E-05
10312	436499.6	3763191	0.000300146	4.90E-05	2.27E-05
10313	436495.9	3763182	0.000301455	4.92E-05	2.28E-05
10314	436492.3	3763173	0.000302765	4.95E-05	2.29E-05
10315	436488.6	3763165	0.000303887	4.96E-05	2.30E-05
10316	436484.9	3763156	0.00030501	4.98E-05	2.31E-05
10317	436481.3	3763147	0.000305945	5.00E-05	2.32E-05
10318	436477.6	3763138	0.00030688	5.01E-05	2.33E-05
10319	436473.9	3763129	0.000307722	5.03E-05	2.33E-05
10320	436470.2	3763120	0.000308377	5.04E-05	2.34E-05
10321	436466.6	3763111	0.000309031	5.05E-05	2.34E-05
10322	436462.9	3763103	0.000309593	5.06E-05	2.35E-05
10323	436459.2	3763094	0.000309967	5.06E-05	2.35E-05
10324	436455.6	3763085	0.000310341	5.07E-05	2.35E-05
10325	436451.9	3763076	0.000310622	5.07E-05	2.35E-05
10326	436448.2	3763067	0.000310809	5.08E-05	2.36E-05
10327	436444.6	3763058	0.000310902	5.08E-05	2.36E-05
10328	436440.9	3763050	0.000310996	5.08E-05	2.36E-05
10329	436437.2	3763041	0.000310996	5.08E-05	2.36E-05
10330	436433.5	3763032	0.000310902	5.08E-05	2.36E-05
10331	436429.9	3763023	0.000310715	5.08E-05	2.35E-05
10332	436426.2	3763014	0.000310528	5.07E-05	2.35E-05
10333	436422.5	3763005	0.000310247	5.07E-05	2.35E-05
10334	436418.9	3762996	0.000309873	5.06E-05	2.35E-05
10335	436415.2	3762988	0.000309499	5.06E-05	2.35E-05
10336	436411.5	3762979	0.000309125	5.05E-05	2.34E-05
10337	436407.8	3762970	0.000308751	5.04E-05	2.34E-05
10338	436404.2	3762961	0.000308283	5.04E-05	2.34E-05
10339	436400.5	3762952	0.000307722	5.03E-05	2.33E-05
10340	436396.8	3762943	0.000307161	5.02E-05	2.33E-05
10341	436393.2	3762935	0.0003066	5.01E-05	2.32E-05
10342	436389.5	3762926	0.000306038	5.00E-05	2.32E-05

10343	436385.8	3762917	0.000305384	4.99E-05	2.31E-05
10344	436382.2	3762908	0.000304635	4.98E-05	2.31E-05
10345	437365.9	3763864	0.0001533	2.50E-05	1.16E-05
10346	437375.5	3763864	0.000153861	2.51E-05	1.17E-05
10347	437385.2	3763864	0.000154516	2.52E-05	1.17E-05
10348	437394.8	3763864	0.000155077	2.53E-05	1.18E-05
10349	437404.5	3763864	0.000155638	2.54E-05	1.18E-05
10350	437414.1	3763864	0.000156012	2.55E-05	1.18E-05
10351	437423.8	3763864	0.000156386	2.55E-05	1.19E-05
10352	437433.4	3763864	0.000156761	2.56E-05	1.19E-05
10353	437443.1	3763864	0.000157135	2.57E-05	1.19E-05
10354	437452.7	3763864	0.000157509	2.57E-05	1.19E-05
10355	437462.4	3763864	0.000157883	2.58E-05	1.20E-05
10356	437472	3763864	0.000158351	2.59E-05	1.20E-05
10357	437481.7	3763864	0.000158725	2.59E-05	1.20E-05
10358	437491.3	3763863	0.000159286	2.60E-05	1.21E-05
10359	437501	3763863	0.000159754	2.61E-05	1.21E-05
10360	437510.6	3763863	0.000160221	2.62E-05	1.21E-05
10361	437520.3	3763863	0.000160689	2.63E-05	1.22E-05
10362	437529.9	3763863	0.000161157	2.63E-05	1.22E-05
10363	437539.6	3763863	0.000161718	2.64E-05	1.23E-05
10364	437549.2	3763863	0.000162279	2.65E-05	1.23E-05
10365	437577.6	3763372	0.000575973	9.41E-05	4.36E-05
10366	437579.6	3763402	0.000508162	8.30E-05	3.85E-05
10367	437581.5	3763432	0.000454568	7.43E-05	3.44E-05
10368	437583.5	3763462	0.000410421	6.70E-05	3.11E-05
10369	437586.1	3763502	0.000363467	5.94E-05	2.75E-05
10370	437591.2	3763582	0.000295002	4.82E-05	2.24E-05
10371	437582.1	3763582	0.00029257	4.78E-05	2.22E-05
10372	437593.9	3763622	0.000267597	4.37E-05	2.03E-05
10373	437584.9	3763622	0.0002661	4.35E-05	2.02E-05
10374	437596.5	3763662	0.000241688	3.95E-05	1.83E-05
10375	437584.6	3763662	0.000240004	3.92E-05	1.82E-05
10376	437599.2	3763702	0.000221204	3.61E-05	1.68E-05
10377	437587.3	3763702	0.000219801	3.59E-05	1.67E-05
10378	437575.5	3763702	0.000218773	3.57E-05	1.66E-05
10379	437563.7	3763703	0.000218211	3.56E-05	1.65E-05
10380	437601.8	3763742	0.000205491	3.36E-05	1.56E-05
10381	437590.1	3763742	0.000204275	3.34E-05	1.55E-05
10382	437578.3	3763742	0.000203153	3.32E-05	1.54E-05
10383	437566.6	3763743	0.000202404	3.31E-05	1.53E-05
10384	437604.4	3763781	0.00019118	3.12E-05	1.45E-05
10385	437592.8	3763782	0.000189871	3.10E-05	1.44E-05
10386	437581.1	3763782	0.000188562	3.08E-05	1.43E-05
10387	437569.5	3763783	0.000187813	3.07E-05	1.42E-05
10388	437606.9	3763821	0.000178834	2.92E-05	1.36E-05
10389	437597.8	3763822	0.000177805	2.90E-05	1.35E-05
10390	437588.7	3763822	0.000176683	2.89E-05	1.34E-05
10391	437579.6	3763822	0.000175748	2.87E-05	1.33E-05
10392	437570.4	3763823	0.000174906	2.86E-05	1.33E-05
10393	437561.3	3763823	0.000174158	2.85E-05	1.32E-05
10394	437609.6	3763861	0.00016761	2.74E-05	1.27E-05

10395	437600.5	3763862	0.000166675	2.72E-05	1.26E-05
10396	437591.5	3763862	0.000165646	2.71E-05	1.26E-05
10397	437582.4	3763862	0.000164804	2.69E-05	1.25E-05
10398	437573.4	3763863	0.000163963	2.68E-05	1.24E-05
10399	437564.3	3763863	0.000163308	2.67E-05	1.24E-05
10400	438571.8	3763104	0.001562928	2.55E-04	1.18E-04
10401	439040.9	3762827	0.000651922	1.07E-04	4.94E-05
10402	439034.6	3762789	0.000634244	1.04E-04	4.81E-05
10403	439031.1	3762754	0.000615725	1.01E-04	4.67E-05
10404	439067.5	3762824	0.000629006	1.03E-04	4.77E-05
10405	439087.9	3762821	0.000612731	1.00E-04	4.64E-05
10406	439128.5	3762787	0.000566994	9.26E-05	4.30E-05
10407	439099.1	3762753	0.000568397	9.29E-05	4.31E-05
10408	439061.2	3762757	0.000595802	9.73E-05	4.51E-05
10409	438582.1	3763253	0.001417392	2.32E-04	1.07E-04
10410	438605.2	3763254	0.001370719	2.24E-04	1.04E-04
10411	438634	3763256	0.001316283	2.15E-04	9.97E-05
10412	438655	3763256	0.001279618	2.09E-04	9.70E-05
10413	438669	3763250	0.001255861	2.05E-04	9.52E-05
10414	438687.9	3763261	0.001214894	1.98E-04	9.21E-05
10415	438687.9	3763249	0.00122406	2.00E-04	9.28E-05
10416	438688.6	3763216	0.00124763	2.04E-04	9.45E-05
10417	438716.7	3763217	0.001196094	1.95E-04	9.06E-05
10418	438721.6	3763197	0.001195907	1.95E-04	9.06E-05
10419	438722.3	3763173	0.001201893	1.96E-04	9.11E-05
10420	438725.1	3763151	0.001201238	1.96E-04	9.10E-05
10421	438711.1	3763121	0.001229765	2.01E-04	9.32E-05
10422	438683	3763115	0.00128682	2.10E-04	9.75E-05
10423	438697.8	3763097	0.0012553	2.05E-04	9.51E-05
10424	438640.3	3763092	0.001383346	2.26E-04	1.05E-04

PM 10				
Tons/Yr	T2	T2L3	T4f	
Year 1	0.024575	0.003819	0.002057	0
Year 2	0.0838	0.01369	0.00635	0
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
Lbs /Yr	T2	T2L3	T4f	0
Year 1	49.15	7.637	4.114	0
Year 2	167.6	27.38	12.7	0
Year 3	0	0	0	0
Year 4	0	0	0	0

PM 10				
% Chng	T2	T2L3	T4f	0
Year 1	100%	16%	8%	0%
Year 2	100%	16%	8%	0%
Year 3	0%	0%	0%	0%
Year 4	0%	0%	0%	0%

HARP Adjustment Factor		Hours/Day		Days/Wk		Wk/Year
3.88	=	24 ÷ **9**	X	7 ÷ **5**	X	52 ÷ **50**

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 1/10/2025
** File: D:\LSA\2025\20241860\Construction\Construction.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2025\20241860\Construction\Construction.isc
   MODELOPT DFAULT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2035210
   POLLUTID OTHER
   RUNORNOT RUN
   ERRORFIL Construction.err
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION CONST        AREAPOLY   437373.542  3762861.254      217.240
** Source Parameters **
   SRCPARAM CONST        0.0000415876     3.048         6
   AREAVERT CONST        437373.542 3762861.254 437551.552 3762858.771
   AREAVERT CONST        437551.743 3762817.134 437551.361 3762725.073
   AREAVERT CONST        437443.638 3762725.264 437372.587 3762725.837
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Const"
** WeekDays:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT CONST        HRDOW 1.0 1.0 1.0 1.0 1.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT CONST        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP CONST    CONST
```

```
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED Construction.rou
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE ..\ChinoAirportADJU\KCNO_V9_ADJU\KCNO_v9.SFC
   PROFFILE ..\ChinoAirportADJU\KCNO_V9_ADJU\KCNO_v9.PFL
   SURFDATA 3179 2012
   UAIRDATA 3190 2012
   PROFBASE 198.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 CONST 1ST Construction.AD\01H1G001.PLT 31
   PLOTFILE PERIOD CONST Construction.AD\PE00G001.PLT 32
   SUMMFILE Construction.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186      84       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187      84       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

- -

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Assumes No FLAGPOLE Receptor Heights.
* The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 10424 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 1 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 198.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07

```
                 Output Units    = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      4.7 MB of RAM.

**Input Runstream File:          aermod.inp
**Output Print File:             aermod.out

**Detailed Error/Message File:   Construction.err
**File for Summary of Results:   Construction.sum
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	AIRCRAFT
CONST	0	0.41588E-04	437373.5	3762861.3	217.2	3.05	6	0.00	YES	HRDOW	NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
CONST	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	2035210.	CONST ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = CONST ; SOURCE TYPE = AREAPOLY :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
						DAY OF WEEK = WEEKDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.1000E+01	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
						DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

```
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\ChinoAirportADJU\KCNO_V9_ADJU\KCNO_v9.SFC Met Version: 16216
Profile file: ..\ChinoAirportADJU\KCNO_V9_ADJU\KCNO_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3179 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-2.3	0.067	-9.000	-9.000	-999.	41.	11.2	0.09	0.74	1.00	0.73	313.	7.9	279.2	2.0
12	01	01	1	02	-2.7	0.070	-9.000	-9.000	-999.	44.	11.3	0.09	0.74	1.00	0.80	342.	7.9	280.9	2.0
12	01	01	1	03	-5.6	0.098	-9.000	-9.000	-999.	73.	14.7	0.09	0.74	1.00	1.20	9.	7.9	281.4	2.0
12	01	01	1	04	-3.5	0.078	-9.000	-9.000	-999.	52.	11.9	0.09	0.74	1.00	0.94	21.	7.9	282.0	2.0
12	01	01	1	05	-8.4	0.119	-9.000	-9.000	-999.	99.	18.1	0.09	0.74	1.00	1.45	353.	7.9	279.9	2.0
12	01	01	1	06	-7.6	0.113	-9.000	-9.000	-999.	91.	17.0	0.09	0.74	1.00	1.38	325.	7.9	277.5	2.0
12	01	01	1	07	-8.0	0.117	-9.000	-9.000	-999.	96.	17.7	0.09	0.74	1.00	1.42	313.	7.9	281.4	2.0
12	01	01	1	08	-5.2	0.101	-9.000	-9.000	-999.	77.	17.5	0.09	0.74	0.53	1.23	19.	7.9	280.9	2.0
12	01	01	1	09	23.2	0.117	0.267	0.012	29.	97.	-6.2	0.09	0.74	0.31	0.96	318.	7.9	287.5	2.0
12	01	01	1	10	65.2	0.101	0.531	0.014	82.	77.	-1.4	0.09	0.74	0.24	0.63	244.	7.9	291.4	2.0
12	01	01	1	11	95.5	0.162	0.778	0.008	176.	156.	-4.0	0.09	0.74	0.21	1.23	91.	7.9	296.4	2.0
12	01	01	1	12	110.8	0.197	1.018	0.005	338.	209.	-6.1	0.09	0.74	0.20	1.60	90.	7.9	299.9	2.0
12	01	01	1	13	110.5	0.229	1.184	0.005	534.	262.	-9.6	0.09	0.74	0.20	1.98	92.	7.9	302.0	2.0
12	01	01	1	14	94.6	0.185	1.215	0.005	674.	191.	-5.9	0.09	0.74	0.21	1.50	73.	7.9	303.1	2.0
12	01	01	1	15	68.6	0.187	1.184	0.005	858.	194.	-8.4	0.09	0.74	0.25	1.59	64.	7.9	303.1	2.0
12	01	01	1	16	24.9	0.255	0.862	0.005	911.	308.	-58.8	0.09	0.74	0.34	2.61	92.	7.9	300.4	2.0
12	01	01	1	17	-13.7	0.168	-9.000	-9.000	-999.	168.	31.1	0.09	0.74	0.62	1.98	107.	7.9	295.4	2.0
12	01	01	1	18	-26.7	0.279	-9.000	-9.000	-999.	354.	85.6	0.09	0.74	1.00	3.22	134.	7.9	291.4	2.0
12	01	01	1	19	-8.0	0.118	-9.000	-9.000	-999.	120.	18.2	0.09	0.74	1.00	1.43	37.	7.9	290.4	2.0
12	01	01	1	20	-7.7	0.115	-9.000	-9.000	-999.	94.	17.6	0.09	0.74	1.00	1.40	49.	7.9	287.0	2.0
12	01	01	1	21	-9.7	0.130	-9.000	-9.000	-999.	113.	20.2	0.09	0.74	1.00	1.57	26.	7.9	288.8	2.0
12	01	01	1	22	-4.8	0.090	-9.000	-9.000	-999.	65.	13.6	0.09	0.74	1.00	1.11	56.	7.9	284.9	2.0
12	01	01	1	23	-11.5	0.141	-9.000	-9.000	-999.	127.	21.9	0.09	0.74	1.00	1.69	36.	7.9	282.0	2.0
12	01	01	1	24	-16.9	0.172	-9.000	-9.000	-999.	171.	32.4	0.09	0.74	1.00	2.03	33.	7.9	279.9	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	313.	0.73	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	1ST HIGHEST VALUE IS	17.08624 AT (437586.01, 3762808.05, 212.41, 212.41, 0.00)	DC	
	2ND HIGHEST VALUE IS	17.04720 AT (437586.00, 3762817.86, 212.66, 212.66, 0.00)	DC	
	3RD HIGHEST VALUE IS	17.02444 AT (437586.03, 3762798.24, 212.48, 212.48, 0.00)	DC	
	4TH HIGHEST VALUE IS	16.73080 AT (437586.04, 3762788.43, 212.54, 212.54, 0.00)	DC	
	5TH HIGHEST VALUE IS	16.19724 AT (437586.05, 3762778.62, 212.60, 212.60, 0.00)	DC	
	6TH HIGHEST VALUE IS	15.37307 AT (437586.07, 3762768.81, 212.60, 212.60, 0.00)	DC	
	7TH HIGHEST VALUE IS	14.25411 AT (437586.08, 3762759.00, 212.59, 212.59, 0.00)	DC	
	8TH HIGHEST VALUE IS	14.13258 AT (437596.01, 3762808.06, 211.43, 211.43, 0.00)	DC	
	9TH HIGHEST VALUE IS	14.12191 AT (437596.00, 3762817.87, 211.66, 211.66, 0.00)	DC	
	10TH HIGHEST VALUE IS	14.07415 AT (437596.03, 3762798.25, 211.61, 211.61, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
CONST	1ST HIGH VALUE IS	825.96196	ON 14020617: AT (437353.80, 3762824.96, 216.19, 216.19, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   1279 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   917 Calm Hours Identified

A Total of   362 Missing Hours Identified (0.83 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
ME W186   84   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used   0.50
ME W187   84   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

   ****
   *** AERMOD Finishes Successfully ***
   ****

HARP2 - HRACalc (dated 22118) 4/7/2025 3:38:01 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Sensitive_Year1_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Sensitive_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Sensitive_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Sensitive_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Sensitive_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Sensitive_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 4/7/2025 3:42:11 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 1
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 1
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Sensitive_Year2_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Sensitive_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Sensitive_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Sensitive_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Sensitive_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Sensitive_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 4/7/2025 3:52:43 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Worker_Year1_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Worker_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Worker_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Worker_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Worker_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 4/7/2025 4:03:09 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 17
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 1
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Worker_Year2_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Worker_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Worker_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Worker_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_Worker_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 4/7/2025 3:49:01 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 4
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_School_Year1_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_School_Year1_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_School_Year1_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_School_Year1_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_School_Year1_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_School_Year1_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 4/7/2025 3:46:34 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 5
Total Exposure Duration: 1

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 1
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_School_Year2_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_School_Year2_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_School_Year2_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_School_Year2_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_School_Year2_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_CONST\hra\Const_School_Year2_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP Project Summary Report 1/13/2025 2:09:05 PM

PROJECT INFORMATION
HARP Version: 22118
Project Name: HARP_CONST
Project Output Directory: D:\LSA\2025\20241860\HARP_CONST
HARP Database: NA

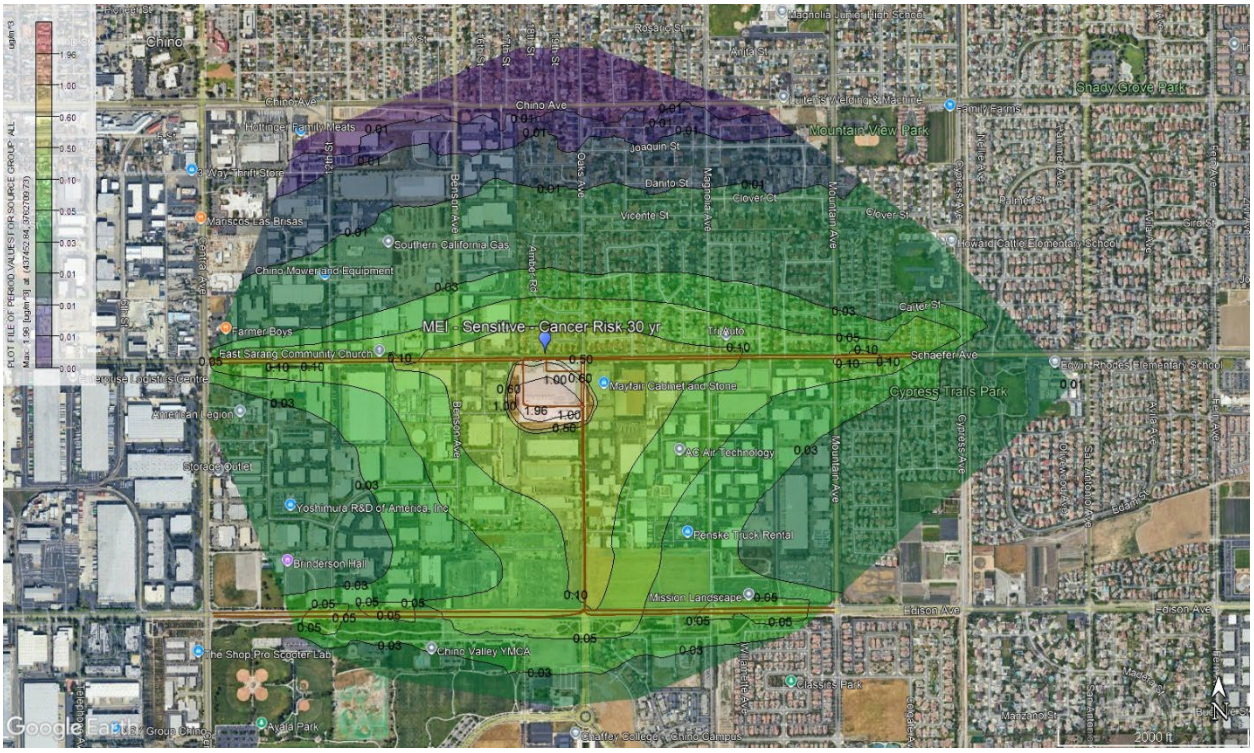
POLLUTANT HEALTH INFORMATION
Health Database: D:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH22013
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
9901	DieselExhPM	1.1			5		

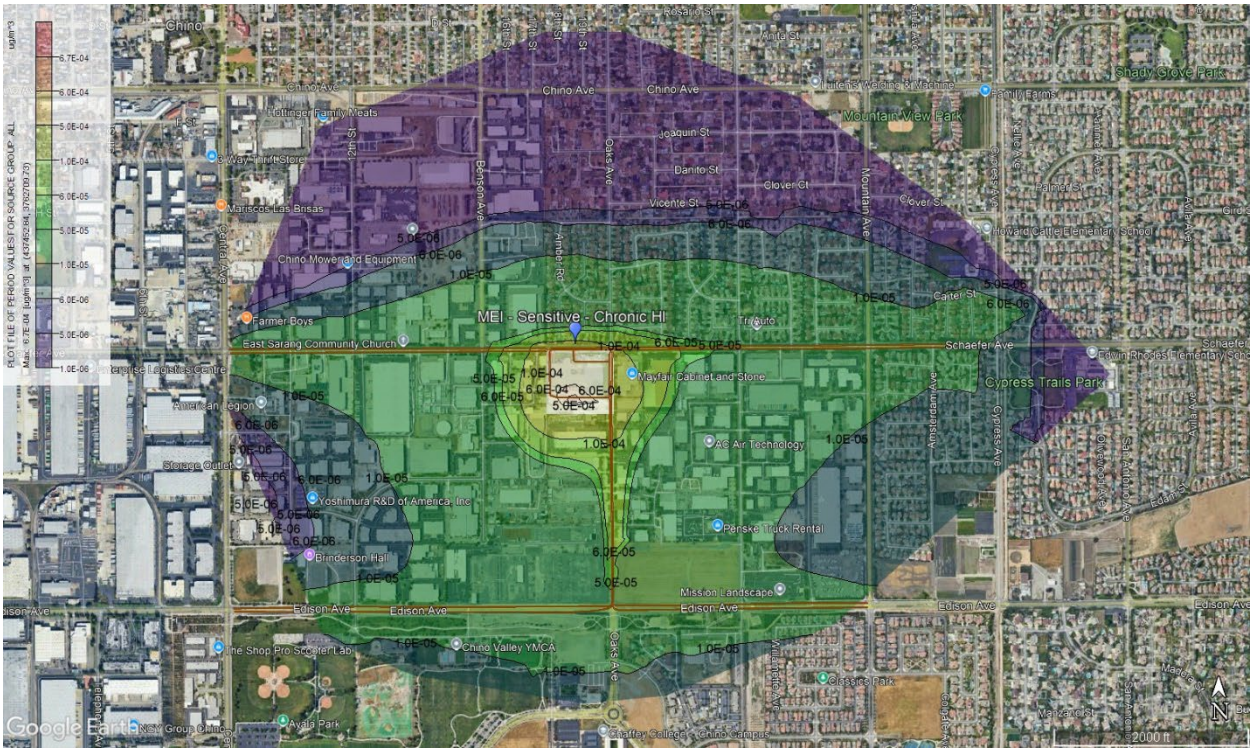
APPENDIX B

OPERATIONAL HRA MODEL

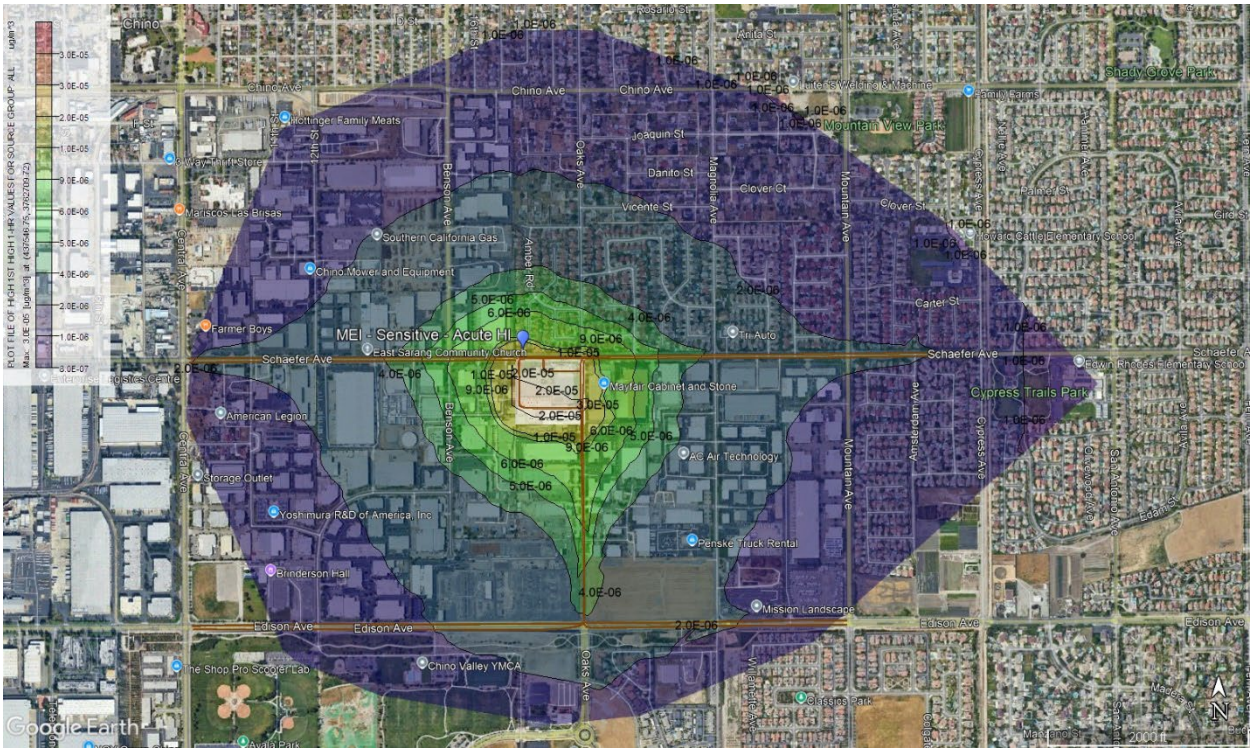
Operational Cancer Risk – Sensitive Receptor



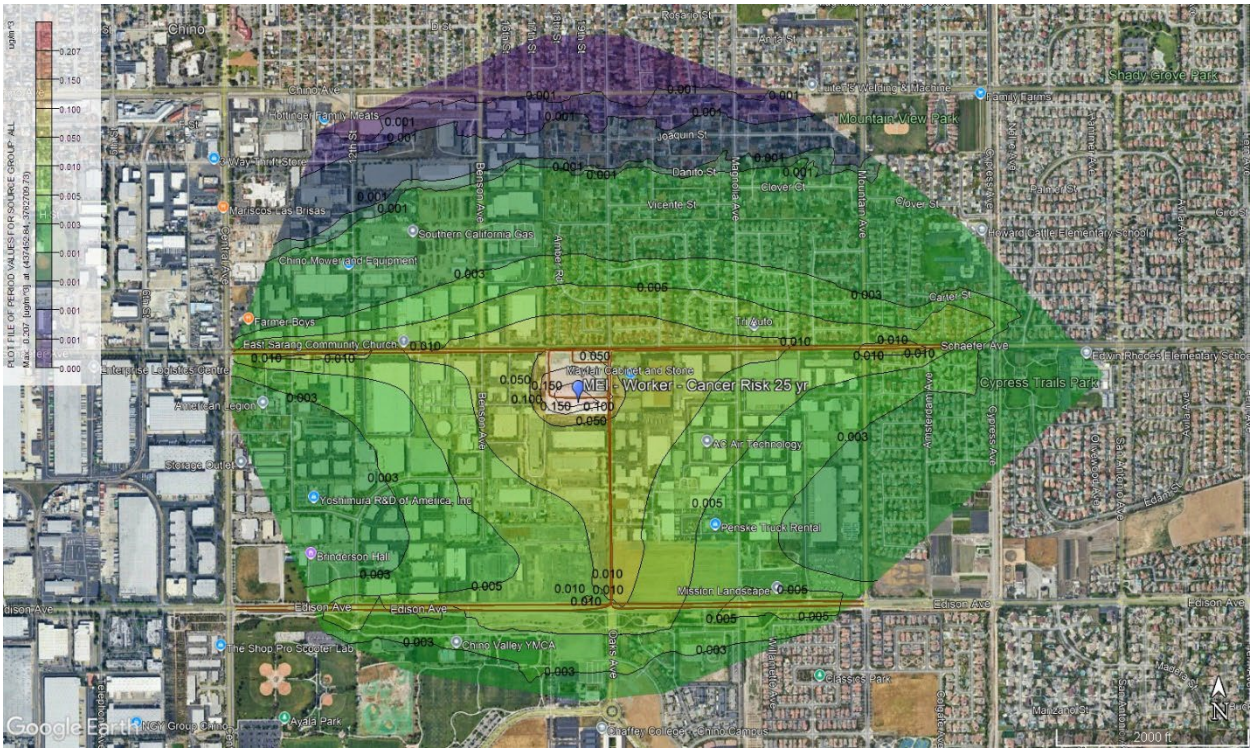
Operational Chronic Health Impact – Sensitive Receptor



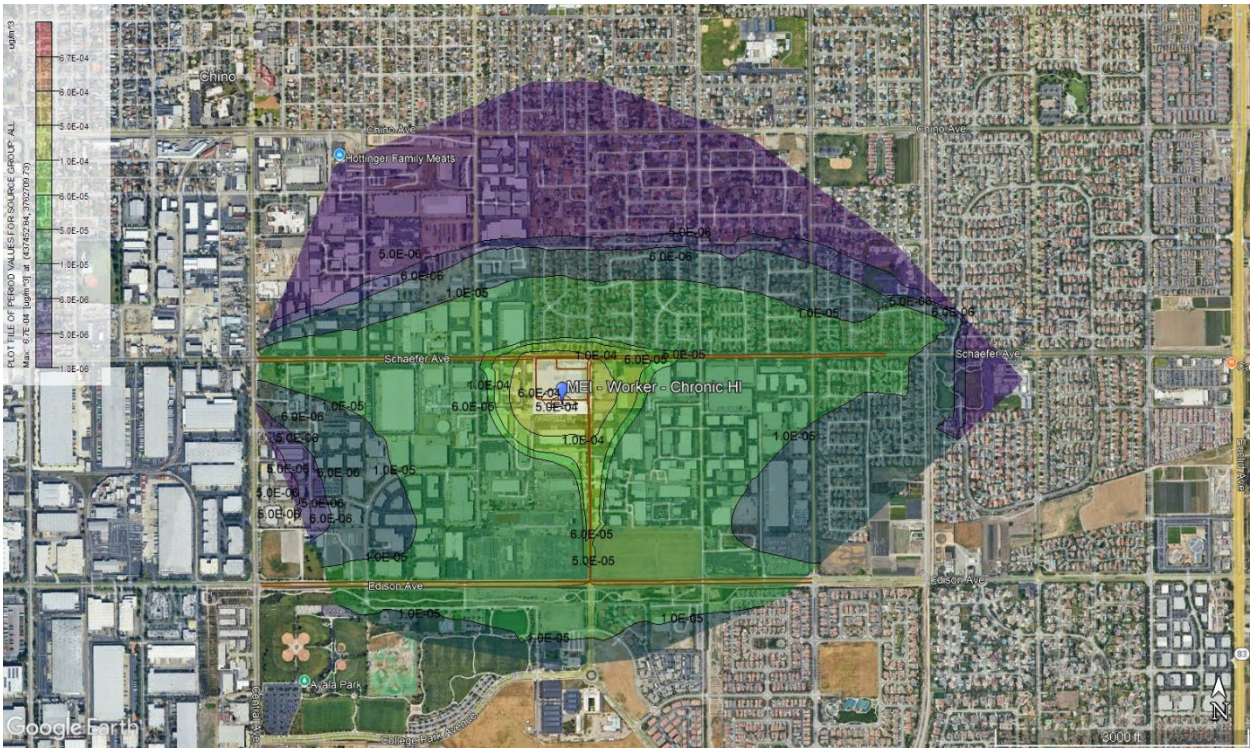
Operational Acute Health Index – Sensitive Receptor



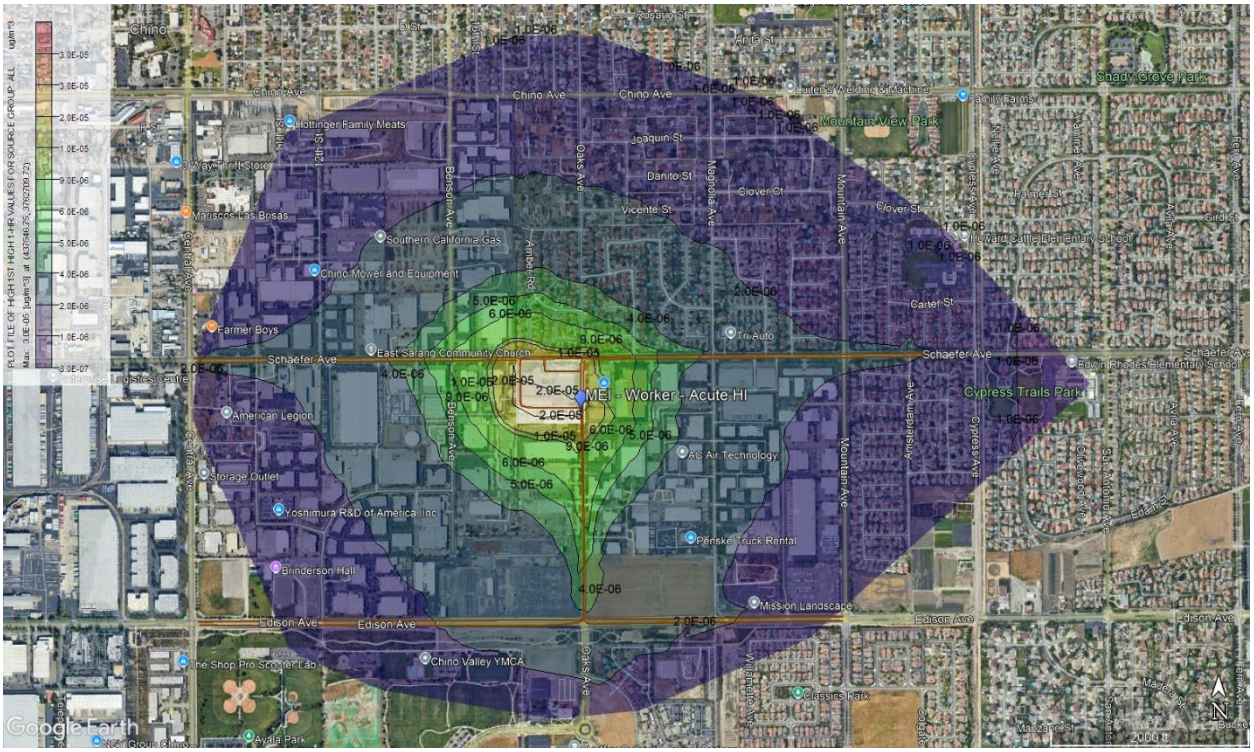
Operational Cancer Risk – Worker Receptor



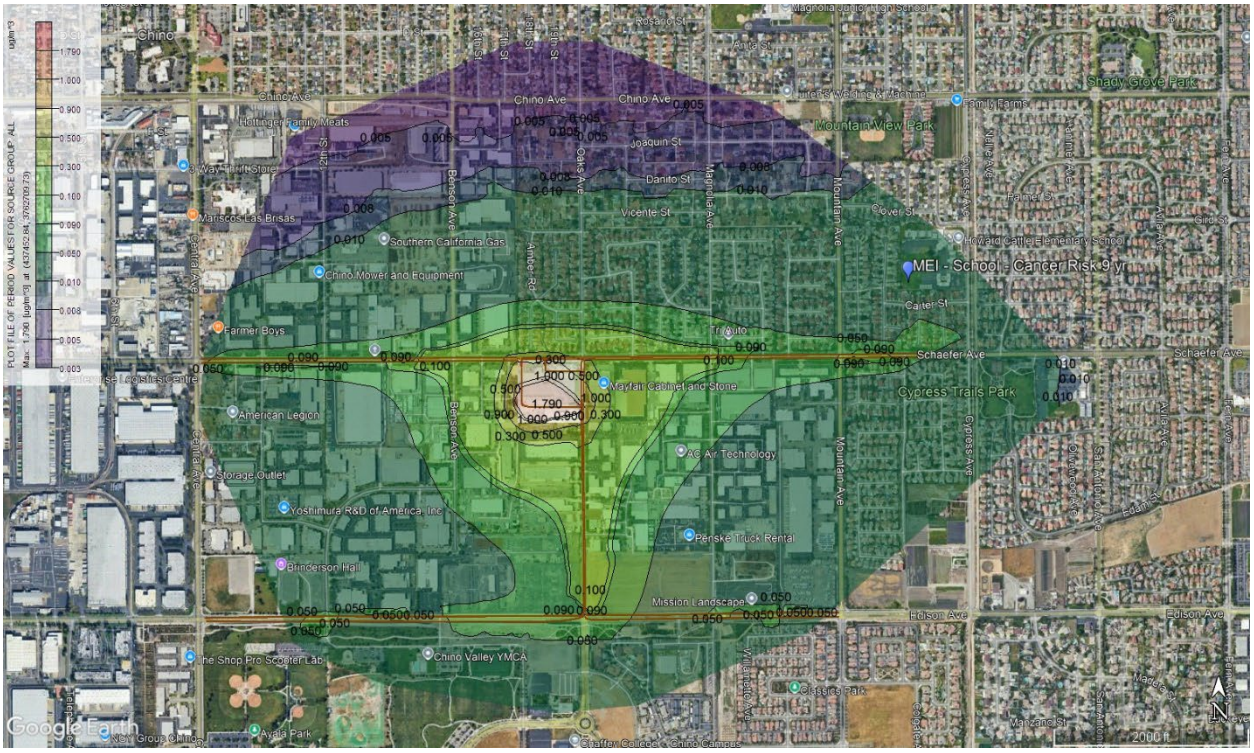
Operational Chronic Health Impact – Worker Receptor



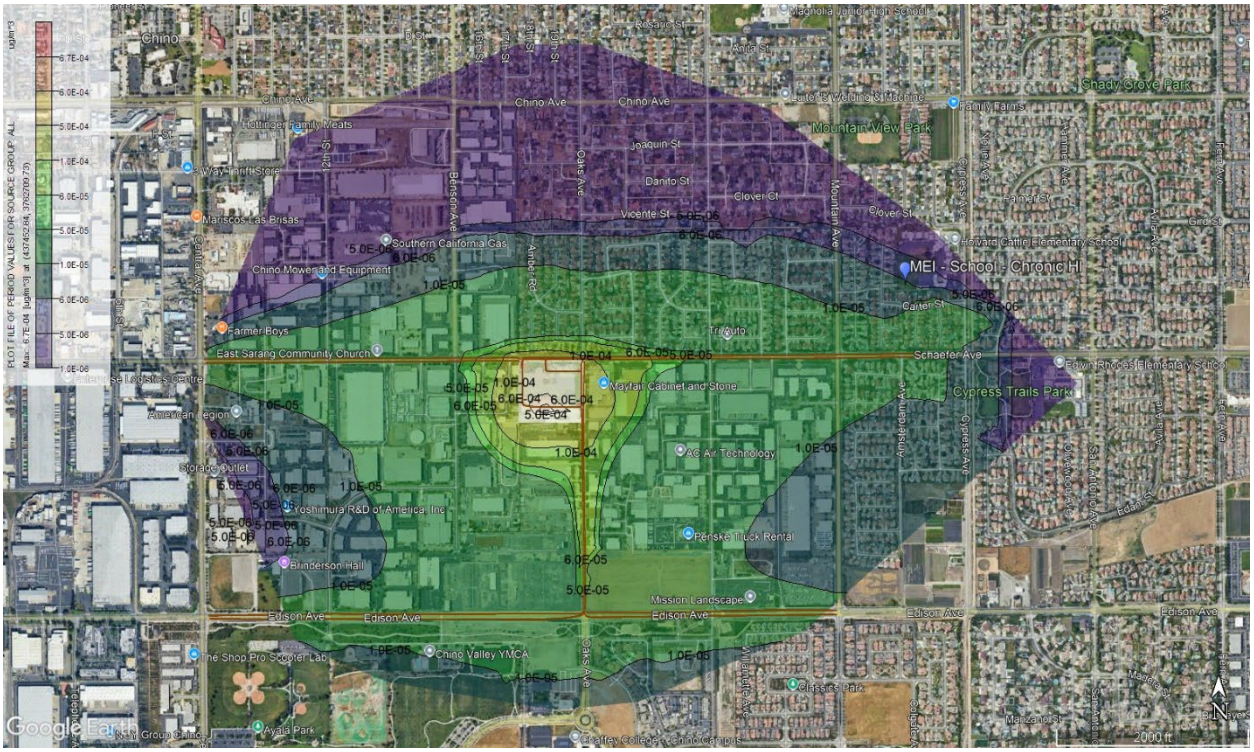
Operational Acute Health Index – Worker Receptor



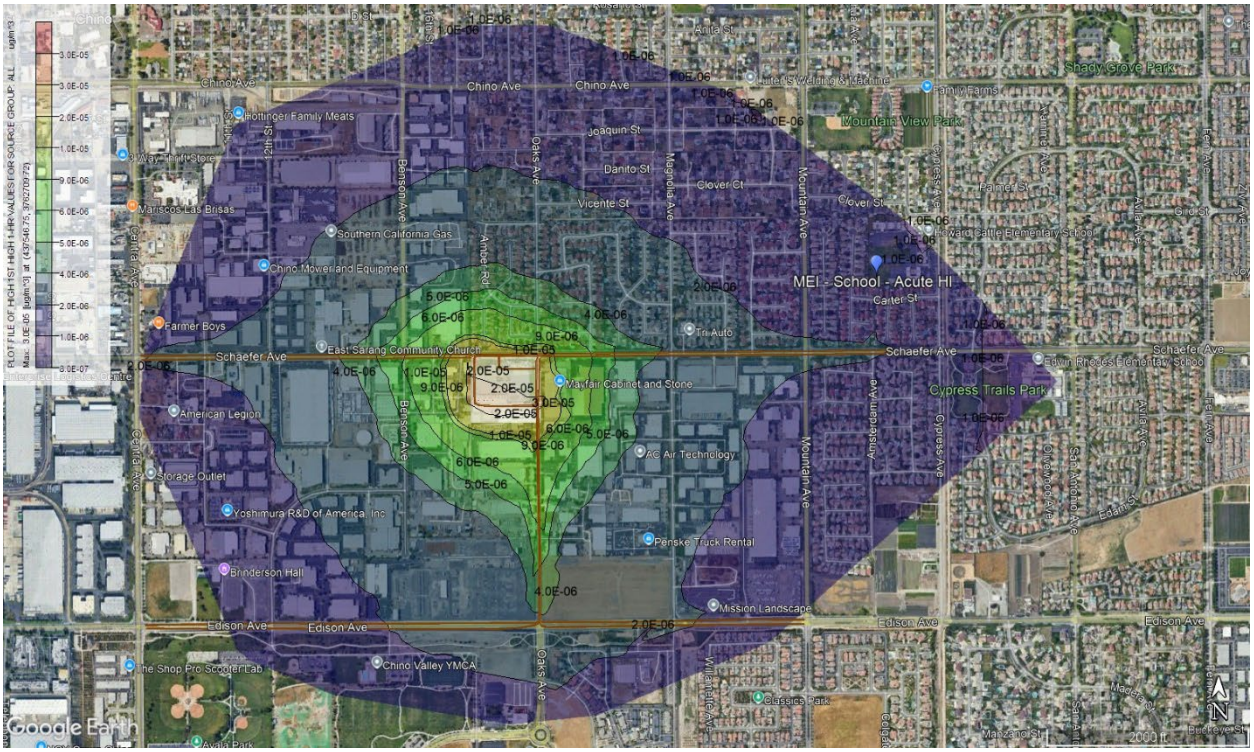
Operational Cancer Risk – School Receptor



Operational Chronic Health Impact – School Receptor



Operational Acute Health Index – School Receptor



Construction MEI (Sensitive) - Cancer Risk (in a Million) HARP Rec #: 7773 X: 437518.27 Y: 3762893.42			
T2	T2L3	T4f	0
13.12	2.12	1.02	0.00

MEI (Sensitive) - Chronic Hazard Index HARP Rec #: 7773 X: 437518.27 Y: 3762893.42			
T2	T2L3	T4f	0
1.43E-02	2.33E-03	1.08E-03	0.00E+00

MEI (Sensitive) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4f	0
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (Sensitive) - PM 2.5 HARP Rec #: 7773 X: 437518.27 Y: 3762893.42			
T2	T2L3	T4f	0
0.071	0.012	0.005	0.000

Construction MEI (Worker) - Cancer Risk (in a Million) HARP Rec #: 832 X: 437586.01 Y: 3762808.05			
T2	T2L3	T4f	0
0.53	0.09	0.04	0.00

MEI (Worker) - Chronic Hazard Index HARP Rec #: 832 X: 437586.01 Y: 3762808.05			
T2	T2L3	T4f	0
3.20E-02	5.22E-03	2.42E-03	0.00E+00

MEI (Worker) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4f	0
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (Worker) - PM 2.5 HARP Rec #: 832 X: 437586.01 Y: 3762808.05			
T2	T2L3	T4f	0
0.160	0.026	0.012	0.000

Construction MEI (School) - Cancer Risk (in a Million) HARP Rec #: 10400 X: 438571.82 Y: 3763103.62			
T2	T2L3	T4f	0
0.06	0.01	0.00	0.00

MEI (School) - Chronic Hazard Index HARP Rec #: 10400 X: 438571.82 Y: 3763103.62			
T2	T2L3	T4f	0
3.13E-04	5.11E-05	2.37E-05	0.00E+00

MEI (School) - Acute Hazard Index HARP Rec #: NA X: NA Y: NA			
T2	T2L3	T4f	0
0.00E+00	0.00E+00	0.00E+00	0.00E+00

MEI (School) - PM 2.5 HARP Rec #: 10400 X: 438571.82 Y: 3763103.62			
T2	T2L3	T4f	0
0.0016	0.0003	0.0001	0.0000

Operational Sensitive Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
30 Yr Cancer Risk (in a Million)	7764	437431.42 3762893.6	1.96
70 Yr Cancer Risk (in a Million)	0	0 0	0.00
Chronic HI	7765	437441.07 3762893.58	6.69E-04
Acute HI	7761	437373.51 3762893.72	3.02E-05
PM 2.5	7765	437441.07 3762893.58	0.0006

Operational Worker Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
25 Yr Cancer Risk (in a Million)	1881	437452.84 3762709.73	0.21
Chronic HI	1881	437452.84 3762709.73	6.69E-04
Acute HI	1871	437546.75 3762709.72	3.02E-05
PM 2.5	1881	437452.84 3762709.73	3.29E-03

Operational School Receptor			
Parameter	**HARP Rec #**	**X & Y Coordinate**	**Result**
9 Yr Cancer Risk (in a Million)	10400	438571.82 3763103.62	0.02
Chronic HI	10400	438571.82 3763103.62	6.20E-06
Acute HI	10400	438571.82 3763103.62	1.21E-06
PM 2.5	10400	438571.82 3763103.62	3.05E-05

Description	Receptor Type	Model Type	UTM X	UTM Y	Latitude	Longitude
Construction	Sensitive	Cancer Risk	437518.27	3762893.42	34.00479001	-117.6766232
Construction	Sensitive	Chronic HI	437518.27	3762893.42	34.00479001	-117.6766232
Construction	Sensitive	Acute HI	0	0		
Construction	Sensitive	PM 2.5	437518.27	3762893.42	34.00479001	-117.6766232
Construction	School	Cancer Risk	438571.82	3763103.62	34.00674788	-117.6652297
Construction	School	Chronic HI	438571.82	3763103.62	34.00674788	-117.6652297
Construction	School	Acute HI	0	0		
Construction	School	PM 2.5	438571.82	3763103.62	34.00674788	-117.6652297
Construction	Worker	Cancer Risk	437586.01	3762808.05	34.00402415	-117.6758836
Construction	Worker	Chronic HI	437586.01	3762808.05	34.00402415	-117.6758836
Construction	Worker	Acute HI	0	0		
Construction	Worker	PM 2.5	437586.01	3762808.05	34.00402415	-117.6758836
Operational	Sensitive	Cancer Risk 30 yr	437431.42	3762893.6	34.00478645	-117.6775637
Operational	Sensitive	Cancer Risk 70 yr	0	0		
Operational	Sensitive	Chronic HI	437441.07	3762893.58	34.00478685	-117.6774592
Operational	Sensitive	Acute HI	437373.51	3762893.72	34.00478408	-117.6781908
Operational	Sensitive	PM 2.5	437441.07	3762893.58	34.00478685	-117.6774592
Operational	Worker	Cancer Risk 25 yr	437452.84	3762709.73	34.00312954	-117.6773186
Operational	Worker	Chronic HI	437452.84	3762709.73	34.00312954	-117.6773186
Operational	Worker	Acute HI	437546.75	3762709.72	34.00313504	-117.6763017
Operational	Worker	PM 2.5	437452.84	3762709.73	34.00312954	-117.6773186
Operational	School	Cancer Risk 9 yr	438571.82	3763103.62	34.00674788	-117.6652297
Operational	School	Chronic HI	438571.82	3763103.62	34.00674788	-117.6652297
Operational	School	Acute HI	438571.82	3763103.62	34.00674788	-117.6652297
Operational	School	PM 2.5	438571.82	3763103.62	34.00674788	-117.6652297

General AERMOD Input Parameters

Project Boundary			
	Based on site plan		
Project Elevation Data			
	Source	**Lakes Environmental**	
	Link	http://www.webgis.com/terraindata.html	
	Evel Data Descr.	**SRTM1**	
Project Receptor Grid			
	Telescoping Grid	Spacing (m)	Distance (m)
	Grid 1	**10**	**200**
	Grid 2	**20**	**200**
	Grid 3	**30**	**300**
	Grid 4	**40**	**400**
	Comments	**Receptors on roads or parking lot areas have been removed.**	
Meteorological Dataset			
	Location	**Chino Arpt.**	
	Provided By	**South Coast AQMD**	
	Years	**2012 - 2016**	
	Elevation (m)	**198**	
	Link	https://www.aqmd.gov/docs/default-source/air-quality/meterorological-data/aermod-ready-meteorological-data/table-1-meteorological-sites/2017/ChinoAirportADJU.zip?sfvrsn=7	
Construction Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period & Hourly**	
	Dispersion Coefficient	**Urban**	
	County	**San Bernardino**	
	Urban Grouping / Pop	**Y**	**2,035,210**
	# of Worker Receptors	**10,424**	
	# of Sensitive Receptors		
	# of School Receptors		
Construction Area Parameters			
	Source Type	**Polygon Area**	
	Project Area (m^2)	**24045.6**	
	Ht. of Source (m)	**3.048**	
Operational Modeling Specific Inputs			
AERMOD Input Options			
	Regulatory Options	**Default**	
	Pollutant Type	**Other**	
	Averaging Period	**Period / Hourly**	
	Dispersion Coefficient	**Urban**	
	Urban Grouping / Pop	**Y**	**2,035,210**
	# Worker Receptors	**10,424**	
	# Sensitive Receptors		

	# of School Receptors	
Diesel Truck Idling Parameters		
	Source Type	**Point**
	Stack Ht. (m)	**3.658**
	Stack Dia (m)	**0.044**
	Stack Temp (k)	**388.7**
	Velocity (m/s)	**25**
Diesel Truck Travel Parameters		
	Source Type	**RLine**
	Initial Vertical (m)	**3.05**
	Width (m)	**3.05**
	Release Ht (m)	**Surface**
	Volume Length (m)	**Roadway Segment Specific**

General HARP Input Parameters		
Construction		
School Receptors		
School Scenario Parameters		
	Class Grade	**Elementary**
	Starting Age	**4**
	Age Range	**4 Year Old - 5 Years Old**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Merthod**
	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total esposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
School Pathway Parameters		
	Pathways	**SCAQMD Manadatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 2 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**RMP using the Derived Merthod**
	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total esposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Sensitive Pathway Parameters		
	Pathways	**SCAQMD Manadatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 17**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**1**
	Intake Rate	**OEHHA Derived Merthod**

	Comments	**Each year of construction is modeled seperately and the impact to each recepetor is summed to estimate the total esposure from construction emissions. Additionally, the starting age is increased for each year of construction.**
Worker Pathway Parameters		
	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**
Operational		
School Receptors		
School Scenario Parameters		
	Class Grade	**Elementary**
	Starting Age	**3rd Trimester**
	Age Range	**9 Years**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**9.25**
	Intake Rate	**RMP using the Derived Merthod**
	Comments	
School Pathway Parameters		
	Pathways	**SCAQMD Manadatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**
Sensitive Receptors		
Sensitive Scenario Parameters		
	Starting Age	**3rd Trimester**
	Age Range	**3rd Trimester - 30.25 Year**
	Receptor Type	**Individual Resident**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**30yr**
	Intake Rate	**RMP using the Derived Merthod**
	Comments	
Sensitive Pathway Parameters		
	Pathways	**SCAQMD Manadatory minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**Y**
	TAH ≥ 16 yrs	**Y**
Worker Receptors		
Worker Scenario Parameters		
	Starting Age	**16**
	Age Range	**16 - 41**
	Receptor Type	**Worker**
	Assessment Type	**Cancer / Chronic / Acute**
	Exposure Duration	**25**
	Intake Rate	**OEHHA Derived Merthod**
	Comments	
Worker Pathway Parameters		

	Pathways	**OEHHA minimum Pathways**
	Deposition Rate	**0.02**
	TAH < 16 yrs	**N**
	TAH ≥ 16 yrs	**N**

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	PM2.5_RUNEX	PM10_RUNEX
San Bernardino	2026	HHDT	Aggregate	5	Diesel	0.011290474	0.011800979
San Bernardino	2026	HHDT	Aggregate	10	Diesel	0.010610839	0.011090614
San Bernardino	2026	HHDT	Aggregate	15	Diesel	0.00810902	0.008475674
					Average	0.010003444	0.010455756
San Bernardino	2026	LDT1	Aggregate	5	Diesel	0.969698202	1.013543651
San Bernardino	2026	LDT1	Aggregate	10	Diesel	0.658152194	0.687910916
San Bernardino	2026	LDT1	Aggregate	15	Diesel	0.476791561	0.49834996
San Bernardino	2026	LDT2	Aggregate	5	Diesel	0.012008066	0.012551017
San Bernardino	2026	LDT2	Aggregate	10	Diesel	0.010147553	0.01060638
San Bernardino	2026	LDT2	Aggregate	15	Diesel	0.008487667	0.008871442
					Average	0.355880874	0.371972228
San Bernardino	2026	MHDT	Aggregate	5	Diesel	0.022808551	0.023839853
San Bernardino	2026	MHDT	Aggregate	10	Diesel	0.018203231	0.0190263
San Bernardino	2026	MHDT	Aggregate	15	Diesel	0.012076863	0.012622926
					Average	0.017696215	0.018496359

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	Diesel %	Trips	PM2.5_RUNEX	PM10_RUNEX	TOG_RUNEX	TOG_RUNLOSS
San Bernardino	2026	LDA	Aggregate	Aggregate	Gasoline	761744.3047	32623757.06	32623757.06	0%	3529647.278	0.001101279	0.001197741	0.010563251	0.227014642
San Bernardino	2026	LDA	Aggregate	Aggregate	Diesel	1794.717219	60373.32096	60373.32096	56%	7625.857357	0.013777747	0.014400716	0.026171004	0
							32684130.38	66.3%						
San Bernardino	2026	LDT1	Aggregate	Aggregate	Gasoline	68473.2208	2360625.339	2360625.339	0%	295060.0063	0.001800919	0.001958664	0.048265851	0.632794604
San Bernardino	2026	LDT1	Aggregate	Aggregate	Diesel	19.6200204	263.4543899	263.4543899	0.2%	54.12024122	0.233040708	0.243577775	0.340347651	0
San Bernardino	2026	LDT2	Aggregate	Aggregate	Gasoline	345101.6238	14233876.37	14233876.37	0%	1612601.466	0.00111527	0.001212958	0.014567031	0.233530086
San Bernardino	2026	LDT2	Aggregate	Aggregate	Diesel	1070.852635	47046.26633	47046.26633	44%	5147.755505	0.004240644	0.004432387	0.012911932	0
							16641811.43	33.7%	107683			Gasoline Avg EF	0.024465378	0.364446444
								Diesel Wt EF	0.010606293					

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	Trips	PM2.5_RUNEX	PM2.5_IDLEX	PM10_RUNEX	PM10_IDLEX
San Bernardino	2026	HHDT	Aggregate	Aggregate	Diesel	28687.06713	4602301.148	4602301.148	512839.4383	0.029819074	0.035135344	0.031167361	0.036724008
San Bernardino	2026	MHDT	Aggregate	Aggregate	Diesel	18552.93945	829396.681	829396.681	230801.5231	0.00849683	0.013605558	0.008881019	0.014220741
San Bernardino	2026	LHDT1	Aggregate	Aggregate	Diesel	22020.11291	823962.024	823962.024	276985.3191	0.024779555	0.026338499	0.025899976	0.027529409
San Bernardino	2026	LHDT2	Aggregate	Aggregate	Diesel	9596.461277	363650.851	363650.851	120711.4105	0.022571166	0.026404285	0.023591734	0.02759817
									Average	0.02367536	0.026371392	0.024745855	0.027563789

Daily Trips
466

	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	88.9%	2.4%	2.0%	6.7%	100%
# Daily Vehicles	414.08	11.26	9.38	31.28	466
# Annual Vehicles	151,140	4,110	3,425	11,415	170,090

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	4,110	21.7%	3.37E+00
3-Axle Trks	3,425	18.1%	1.40E-01
4-Axle Trks	11,415	60.2%	2.63E-01
Total	18,950	100%	---

DPM Lbs/ Yr	ONSITE	PARCEL2					Total
Distance (m)	320	129.8	0	0	0	0	449.8
%	90%	10%	0%	0%	0%	0%	100%
2-Axle Trks	6.03E-01	2.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-01
3-Axle Trks	2.50E-02	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-02
4-Axle Trks	4.71E-02	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-02
Total	6.75E-01	3.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-01

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	4,110	21.7%	2.24E-01
3-Axle Trks	3,425	18.1%	6.71E-02
4-Axle Trks	11,415	60.2%	7.84E-01
Total	18,950	100%	---

DPM Lbs/ Yr	SH_IN_E	SH_OUT_E	IN_E	OUT_E	SH_OUT_W	SH_IN_W	Total
Gas Only	N	N	N	N	N	N	
Distance (m)	1068.9	1067.8	190.1	190.1	997.9	988.8	4503.6
%	17%	17%	8%	8%	17%	17%	84%
2-Axle Trks	2.46E-02	2.45E-02	2.19E-03	2.19E-03	2.36E-02	2.34E-02	1.01E-01
3-Axle Trks	7.35E-03	7.34E-03	6.54E-04	6.54E-04	7.07E-03	7.00E-03	3.01E-02
4-Axle Trks	8.60E-02	8.59E-02	7.65E-03	7.65E-03	8.27E-02	8.19E-02	3.52E-01
Total	1.18E-01	1.18E-01	1.05E-02	1.05E-02	1.13E-01	1.12E-01	4.82E-01

Truck Idle

# of Idling Pts	10

Truck Idling						Idle						Total
Category	# of Trucks / Yr	Idle EF (lbs /Idle-Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	10	0	0	0	0	0	10
2-Axle Trks	4,110	6.08E-05	0.25	6.24E-02	6.24E-03	6.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-02
3-Axle Trks	3,425	3.14E-05	0.25	2.68E-02	2.68E-03	2.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-02
4-Axle Trks	11,415	8.10E-05	0.25	2.31E-01	2.31E-02	2.31E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-01
Total	18,950	--	--	3.20E-01	3.20E-02	3.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-01

TRUs

Percent of Trucks	0		# of Units	1

Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.50	4.19E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	151,140	66%	33.74%
# Vehicles		100,148	50,992

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	2.33E-05	5.00E-04
LDT	5.39E-05	8.03E-04

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	6.53E-03	7.70E-03
107028	Acrolein	1.30E-03	3.03E-03	3.58E-03
71432	Benzene	2.47E-02	5.76E-02	6.79E-02
106990	1,3-Butadiene	5.50E-03	1.28E-02	1.51E-02
100414	Ethylbenzene	1.05E-02	2.45E-02	2.89E-02
50000	Formaldehyde	1.58E-02	3.68E-02	4.35E-02
110543	Hexane	1.60E-02	3.73E-02	4.40E-02
67561	Methanol	1.20E-03	2.80E-03	3.30E-03
78933	Methyl Ethyl Ketone	2.00E-04	4.66E-04	5.50E-04
91203	Naphthalene	5.00E-04	1.17E-03	1.38E-03
115071	Propylene	3.06E-02	7.14E-02	8.42E-02
100425	Styrene	1.20E-03	2.80E-03	3.30E-03
108883	Toluene	5.76E-02	1.34E-01	1.58E-01
1330207	Xylenes	4.80E-02	1.12E-01	1.32E-01
9901	Diesel	1.06E-02	2.34E+00	1.19E+00

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	8.40E-03	9.90E-03
100414	Ethylbenzene	1.180E-03	2.75E-03	3.25E-03
110543	Hexane	1.540E-02	3.59E-02	4.24E-02
108883	Toluene	1.700E-02	3.96E-02	4.68E-02
1330207	Xylenes	5.780E-03	1.35E-02	1.59E-02

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1		2		3		4		5		6		7		8		9		10		11		12		Total Percentage	Total Distance
				Vehicles	ONSITE		PARCEL2		0		0		0		0		SH_IN_E		SH_OUT_E		IN_E		OUT_E		SH_OUT_W		SH_IN_W			
				Cars	28%		0%		0%		0%		0%		0%		17%		17%		8%		8%		17%		17%			
					27.95%		2.62%		0.00%		0.00%		0.00%		0.00%		16.50%		16.50%		8.25%		8.25%		17.00%		17.00%		114.07%	4953.4
				Trucks	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr		Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	4.74E-06	1.42E-02		1.33E-06	3.98E-03	1.24E-07	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-07	3.87E-04	1.29E-07	3.87E-04	3.23E-08	9.69E-05	3.23E-08	9.69E-05	1.37E-07	4.11E-04	1.37E-07	4.11E-04	2.05E-06	6.14E-03
107028	Acrolein	2.20E-06	6.61E-03		6.15E-07	1.85E-03	5.77E-08	1.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-08	1.80E-04	6.00E-08	1.80E-04	1.50E-08	4.50E-05	1.50E-08	4.50E-05	6.37E-08	1.91E-04	6.37E-08	1.91E-04	9.50E-07	2.85E-03
71432	Benzene	4.79E-05	1.44E-01		1.34E-05	4.02E-02	1.26E-06	3.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-06	3.92E-03	1.31E-06	3.92E-03	3.26E-07	9.79E-04	3.26E-07	9.79E-04	1.39E-06	4.16E-03	1.39E-06	4.16E-03	2.07E-05	6.21E-02
106990	1,3-Butadiene	9.32E-06	2.80E-02		2.60E-06	7.81E-03	2.44E-07	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-07	7.61E-04	2.54E-07	7.61E-04	6.34E-08	1.90E-04	6.34E-08	1.90E-04	2.69E-07	8.08E-04	2.69E-07	8.08E-04	4.02E-06	1.21E-02
100414	Ethylbenzene	1.98E-05	5.94E-02		5.53E-06	1.66E-02	5.19E-07	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-07	1.62E-03	5.39E-07	1.62E-03	1.35E-07	4.04E-04	1.35E-07	4.04E-04	5.72E-07	1.72E-03	5.72E-07	1.72E-03	8.54E-06	2.56E-02
50000	Formaldehyde	2.68E-05	8.03E-02		7.48E-06	2.24E-02	7.01E-07	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-07	2.19E-03	7.29E-07	2.19E-03	1.82E-07	5.47E-04	1.82E-07	5.47E-04	7.74E-07	2.32E-03	7.74E-07	2.32E-03	1.16E-05	3.47E-02
110543	Hexane	5.32E-05	1.60E-01		1.49E-05	4.46E-02	1.39E-06	4.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-06	4.34E-03	1.45E-06	4.34E-03	3.62E-07	1.09E-03	3.62E-07	1.09E-03	1.54E-06	4.61E-03	1.54E-06	4.61E-03	2.30E-05	6.89E-02
67561	Methanol	2.03E-06	6.10E-03		5.68E-07	1.70E-03	5.33E-08	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-08	1.66E-04	5.53E-08	1.66E-04	1.38E-08	4.15E-05	1.38E-08	4.15E-05	5.88E-08	1.76E-04	5.88E-08	1.76E-04	8.77E-07	2.63E-03
78933	Methyl Ethyl Ketone	3.39E-07	1.02E-03		9.47E-08	2.84E-04	8.88E-09	2.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.22E-09	2.77E-05	9.22E-09	2.77E-05	2.31E-09	6.92E-06	2.31E-09	6.92E-06	9.79E-09	2.94E-05	9.79E-09	2.94E-05	1.46E-07	4.39E-04
91203	Naphthalene	8.47E-07	2.54E-03		2.37E-07	7.10E-04	2.22E-08	6.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-08	6.92E-05	2.31E-08	6.92E-05	5.77E-09	1.73E-05	5.77E-09	1.73E-05	2.45E-08	7.34E-05	2.45E-08	7.34E-05	3.66E-07	1.10E-03
115071	Propylene	5.18E-05	1.56E-01		1.45E-05	4.35E-02	1.36E-06	4.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-06	4.23E-03	1.41E-06	4.23E-03	3.53E-07	1.06E-03	3.53E-07	1.06E-03	1.50E-06	4.49E-03	1.50E-06	4.49E-03	2.24E-05	6.71E-02
100425	Styrene	2.03E-06	6.10E-03		5.68E-07	1.70E-03	5.33E-08	1.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-08	1.66E-04	5.53E-08	1.66E-04	1.38E-08	4.15E-05	1.38E-08	4.15E-05	5.88E-08	1.76E-04	5.88E-08	1.76E-04	8.77E-07	2.63E-03
108883	Toluene	1.26E-04	3.79E-01		3.53E-05	1.06E-01	3.31E-06	9.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-06	1.03E-02	3.44E-06	1.03E-02	8.60E-07	2.58E-03	8.60E-07	2.58E-03	3.65E-06	1.10E-02	3.65E-06	1.10E-02	5.45E-05	1.64E-01
1330207	Xylenes	9.11E-05	2.73E-01		2.55E-05	7.64E-02	2.39E-06	7.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-06	7.44E-03	2.48E-06	7.44E-03	6.20E-07	1.86E-03	6.20E-07	1.86E-03	2.63E-06	7.90E-03	2.63E-06	7.90E-03	3.93E-05	1.18E-01
9901	Diesel	1.18E-03	3.53E+00		3.29E-04	1.66E+00	3.09E-05	1.23E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	2.14E-01	3.21E-05	2.14E-01	8.02E-06	3.45E-02	8.02E-06	3.45E-02	3.40E-05	2.16E-01	3.40E-05	2.15E-01	5.08E-04	2.71E+00

	Daily Trips				
	466				
	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	88.9%	2.4%	2.0%	6.7%	100%
# Daily Vehicles	414.08	11.26	9.38	31.28	466
# Annual Vehicles	151,140	4,110	3,425	11,415	170,090

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	4,110	21.7%	9.47E-02
3-Axle Trks	3,425	18.1%	2.81E+00
4-Axle Trks	11,415	60.2%	4.65E-01
Total	18,950	100%	---

DPM Lbs/ Yr							Total
Distance (m)	0	0	0	0	0	0	0
5	0%	100%	0%	0%	0%	0%	100%
2-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	4,110	21.7%	2.24E-01
3-Axle Trks	3,425	18.1%	6.71E-02
4-Axle Trks	11,415	60.2%	7.84E-01
Total	18,950	100%	---

DPM Lbs/ Yr	OA_N_IN	OA_N_OUT	OA_S_OUT	OA_S_IN	ED_E_IN	ED_E_OUT	Total
Gas Only	N	N	N	N	N	N	
Distance (m)	144.9	145.3	638.4	641.8	794.5	806.1	3171
%	8%	8%	17%	17%	8%	8%	66%
2-Axle Trks	1.67E-03	1.67E-03	1.47E-02	1.48E-02	9.13E-03	9.27E-03	5.12E-02
3-Axle Trks	4.98E-04	5.00E-04	4.39E-03	4.41E-03	2.73E-03	2.77E-03	1.53E-02
4-Axle Trks	5.83E-03	5.84E-03	5.13E-02	5.16E-02	3.20E-02	3.24E-02	1.79E-01
Total	7.99E-03	8.01E-03	7.04E-02	7.08E-02	4.38E-02	4.45E-02	2.45E-01

Truck Idle

# of Idling Pts	1											
Truck Idling						Idle						Total
Category	# of Trucks / Yr	Idle EF (lbs / Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	0	0	0	0	0	0	0
2-Axle Trks	4,110	6.08E-05	0.25	6.24E-02	6.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-Axle Trks	3,425	3.14E-05	0.25	2.68E-02	2.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-Axle Trks	11,415	8.10E-05	0.25	2.31E-01	2.31E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	18,950	--	--	3.20E-01	3.20E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TRUs

Percent of Trucks	0		# of Units	1

Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.25	2.09E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	151,140	66%	33.74%
# Vehicles		100,148	50,992

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	2.33E-05	5.00E-04
LDT	5.39E-05	8.03E-04

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	6.53E-03	7.70E-03
107028	Acrolein	1.30E-03	3.03E-03	3.58E-03
71432	Benzene	2.47E-02	5.76E-02	6.79E-02
106990	1,3-Butadiene	5.50E-03	1.28E-02	1.51E-02
100414	Ethylbenzene	1.05E-02	2.45E-02	2.89E-02
50000	Formaldehyde	1.58E-02	3.68E-02	4.35E-02
110543	Hexane	1.60E-02	3.73E-02	4.40E-02
67561	Methanol	1.20E-03	2.80E-03	3.30E-03
78933	Methyl Ethyl Ketone	2.00E-04	4.66E-04	5.50E-04
91203	Naphthalene	5.00E-04	1.17E-03	1.38E-03
115071	Propylene	3.06E-02	7.14E-02	8.42E-02
100425	Styrene	1.20E-03	2.80E-03	3.30E-03
108883	Toluene	5.76E-02	1.34E-01	1.58E-01
1330207	Xylenes	4.80E-02	1.12E-01	1.32E-01
9901	Diesel	1.06E-02	2.34E+00	1.19E+00

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	8.40E-03	9.90E-03
100414	Ethylbenzene	1.180E-03	2.75E-03	3.25E-03
110543	Hexane	1.540E-02	3.59E-02	4.24E-02
108883	Toluene	1.700E-02	3.96E-02	4.68E-02
1330207	Xylenes	5.780E-03	1.35E-02	1.59E-02

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1		2		3		4		5		6		7		8		9		10		11		12		Total Percentage	Total Distance
				Vehicles	0		0		0		0		0		0		OA_N_IN		OA_N_OUT		OA_S_OUT		OA_S_IN		ED_E_IN		ED_E_OUT			
				Cars	0%		0%		0%		0%		0%		0%		8%		8%		17%		17%		8%		8%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		8.25%		8.25%		16.50%		16.50%		8.25%		8.25%		66.00%	3171
				Trucks	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr		Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	4.74E-06	1.42E-02		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	9.69E-05	3.23E-08	9.69E-05	1.29E-07	3.87E-04	1.29E-07	3.87E-04	3.23E-08	9.69E-05	3.23E-08	9.69E-05	3.87E-07	1.16E-03
107028	Acrolein	2.20E-06	6.61E-03		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	4.50E-05	1.50E-08	4.50E-05	6.00E-08	1.80E-04	6.00E-08	1.80E-04	1.50E-08	4.50E-05	1.50E-08	4.50E-05	1.80E-07	5.40E-04
71432	Benzene	4.79E-05	1.44E-01		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	9.79E-04	3.26E-07	9.79E-04	1.31E-06	3.92E-03	1.31E-06	3.92E-03	3.26E-07	9.79E-04	3.26E-07	9.79E-04	3.92E-06	1.17E-02
106990	1,3-Butadiene	9.32E-06	2.80E-02		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-08	1.90E-04	6.34E-08	1.90E-04	2.54E-07	7.61E-04	2.54E-07	7.61E-04	6.34E-08	1.90E-04	6.34E-08	1.90E-04	7.61E-07	2.28E-03
100414	Ethylbenzene	1.98E-05	5.94E-02		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	4.04E-04	1.35E-07	4.04E-04	5.39E-07	1.62E-03	5.39E-07	1.62E-03	1.35E-07	4.04E-04	1.35E-07	4.04E-04	1.62E-06	4.85E-03
50000	Formaldehyde	2.68E-05	8.03E-02		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	5.47E-04	1.82E-07	5.47E-04	7.29E-07	2.19E-03	7.29E-07	2.19E-03	1.82E-07	5.47E-04	1.82E-07	5.47E-04	2.19E-06	6.56E-03
110543	Hexane	5.32E-05	1.60E-01		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	1.09E-03	3.62E-07	1.09E-03	1.45E-06	4.34E-03	1.45E-06	4.34E-03	3.62E-07	1.09E-03	3.62E-07	1.09E-03	4.34E-06	1.30E-02
67561	Methanol	2.03E-06	6.10E-03		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	4.15E-05	1.38E-08	4.15E-05	5.53E-08	1.66E-04	5.53E-08	1.66E-04	1.38E-08	4.15E-05	1.38E-08	4.15E-05	1.66E-07	4.98E-04
78933	Methyl Ethyl Ketone	3.39E-07	1.02E-03		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	6.92E-06	2.31E-09	6.92E-06	9.22E-09	2.77E-05	9.22E-09	2.77E-05	2.31E-09	6.92E-06	2.31E-09	6.92E-06	2.77E-08	8.30E-05
91203	Naphthalene	8.47E-07	2.54E-03		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-09	1.73E-05	5.77E-09	1.73E-05	2.31E-08	6.92E-05	2.31E-08	6.92E-05	5.77E-09	1.73E-05	5.77E-09	1.73E-05	6.92E-08	2.08E-04
115071	Propylene	5.18E-05	1.56E-01		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	1.06E-03	3.53E-07	1.06E-03	1.41E-06	4.23E-03	1.41E-06	4.23E-03	3.53E-07	1.06E-03	3.53E-07	1.06E-03	4.23E-06	1.27E-02
100425	Styrene	2.03E-06	6.10E-03		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	4.15E-05	1.38E-08	4.15E-05	5.53E-08	1.66E-04	5.53E-08	1.66E-04	1.38E-08	4.15E-05	1.38E-08	4.15E-05	1.66E-07	4.98E-04
108883	Toluene	1.26E-04	3.79E-01		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-07	2.58E-03	8.60E-07	2.58E-03	3.44E-06	1.03E-02	3.44E-06	1.03E-02	8.60E-07	2.58E-03	8.60E-07	2.58E-03	1.03E-05	3.10E-02
1330207	Xylenes	9.11E-05	2.73E-01		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-07	1.86E-03	6.20E-07	1.86E-03	2.48E-06	7.44E-03	2.48E-06	7.44E-03	6.20E-07	1.86E-03	6.20E-07	1.86E-03	7.44E-06	2.23E-02
9901	Diesel	1.18E-03	3.53E+00		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-06	3.20E-02	8.02E-06	3.21E-02	3.21E-05	1.67E-01	3.21E-05	1.67E-01	8.02E-06	6.79E-02	8.02E-06	6.85E-02	9.62E-05	5.34E-01

	Daily Trips				
	466				
	Passenger Vehicles	2-Axle Trks	3-Axle Trks	4-Axle Trks	Total
Percentage	88.9%	2.4%	2.0%	6.7%	100%
# Daily Vehicles	414.08	11.26	9.38	31.28	466
# Annual Vehicles	151,140	4,110	3,425	11,415	170,090

Truck Travel

Onsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	4,110	21.7%	9.47E-02
3-Axle Trks	3,425	18.1%	2.81E+00
4-Axle Trks	11,415	60.2%	4.65E-01
Total	18,950	100%	---

DPM Lbs/ Yr							Total
Distance (m)	0	0	0	0	0	0	0
5	0%	100%	0%	0%	0%	0%	100%
2-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-Axle Trks	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Offsite Truck Travel Emissions			
Category	# of Trucks / Yr	% of Total	DPM EF (lb/Mile)
2-Axle Trks	4,110	21.7%	2.24E-01
3-Axle Trks	3,425	18.1%	6.71E-02
4-Axle Trks	11,415	60.2%	7.84E-01
Total	18,950	100%	---

DPM Lbs/ Yr	ED_W_OUT	ED_W_IN					Total
Gas Only	N	N	N	N	N	N	
Distance (m)	1182.4	1187	0	0	0	0	2369.4
%	8%	8%	0%	0%	0%	0%	17%
2-Axle Trks	1.36E-02	1.36E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-02
3-Axle Trks	4.07E-03	4.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-03
4-Axle Trks	4.76E-02	4.77E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.53E-02
Total	6.52E-02	6.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-01

Truck Idle

# of Idling Pts	1											
Truck Idling						Idle						Total
Category	# of Trucks / Yr	Idle EF (lbs / Event)	Time (Hr)	Lbs/ Yr	Lbs / Yr /Unit	0	0	0	0	0	0	0
2-Axle Trks	4,110	6.08E-05	0.25	6.24E-02	6.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-Axle Trks	3,425	3.14E-05	0.25	2.68E-02	2.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4-Axle Trks	11,415	8.10E-05	0.25	2.31E-01	2.31E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total	18,950	--	--	3.20E-01	3.20E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TRUs

Percent of Trucks	0		# of Units	1	
Onsite TRU Emissions					
Category	Percentage	# of TRUs / Yr	Time (Hr)	*DPM EF (lbs/Event)	Emissions (lb/Yr)
2-Axle Trks	15.5	0	0.25	2.09E-03	0.00
3-Axle Trks	4.9	0			0.00
4-Axle Trks	24.3	0			0.00
Total	45	0	Emission/Unit		0.00

* TRU EF * BHP * Load factor * Time in hours

Vehicle Emissions

Vehicle Travel Percentage / Count			
Category	# of Vehicles / Yr	% LDA	% LDT
Passenger Vehicles	151,140	66%	33.74%
# Vehicles		100,148	50,992

Category	TOG Exhaust EF (lb/Mile)	TOG Runloss EF (lb/Mile)
LDA	2.33E-05	5.00E-04
LDT	5.39E-05	8.03E-04

CARB TOG Speciation Profile Run Exhaust			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
75070	Acetaldehyde	2.80E-03	6.53E-03	7.70E-03
107028	Acrolein	1.30E-03	3.03E-03	3.58E-03
71432	Benzene	2.47E-02	5.76E-02	6.79E-02
106990	1,3-Butadiene	5.50E-03	1.28E-02	1.51E-02
100414	Ethylbenzene	1.05E-02	2.45E-02	2.89E-02
50000	Formaldehyde	1.58E-02	3.68E-02	4.35E-02
110543	Hexane	1.60E-02	3.73E-02	4.40E-02
67561	Methanol	1.20E-03	2.80E-03	3.30E-03
78933	Methyl Ethyl Ketone	2.00E-04	4.66E-04	5.50E-04
91203	Naphthalene	5.00E-04	1.17E-03	1.38E-03
115071	Propylene	3.06E-02	7.14E-02	8.42E-02
100425	Styrene	1.20E-03	2.80E-03	3.30E-03
108883	Toluene	5.76E-02	1.34E-01	1.58E-01
1330207	Xylenes	4.80E-02	1.12E-01	1.32E-01
9901	Diesel	1.06E-02	2.34E+00	1.19E+00

CARB TOG Speciation Profile Evaporative Losses			Lbs/mi/yr	
CAS#	Chemical Name	Fraction	LDA	LDT
71432	Benzene	3.600E-03	8.40E-03	9.90E-03
100414	Ethylbenzene	1.180E-03	2.75E-03	3.25E-03
110543	Hexane	1.540E-02	3.59E-02	4.24E-02
108883	Toluene	1.700E-02	3.96E-02	4.68E-02
1330207	Xylenes	5.780E-03	1.35E-02	1.59E-02

Vehicle Emissions Travel Summary

Emissions Summary				Source Col	1		2		3		4		5		6		7		8		9		10		11		12		Total Percentage	Total Distance
				Vehicles	0		0		0		0		0		0		ED_W_OUT		ED_W_IN		0		0		0		0			
				Cars	0%		0%		0%		0%		0%		0%		8%		8%		0%		0%		0%		0%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		8.25%		8.25%		0.00%		0.00%		0.00%		0.00%		16.50%	2369.4
				Trucks	0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%		0%			
					0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%		0.00%			
CAS#	Chemical Name	Lbs/mi/Hr	Lbs/mi/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr	Lbs/ Hr	Lbs/ Yr
75070	Acetaldehyde	4.74E-06	1.42E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	9.69E-05	3.23E-08	9.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-08	1.94E-04
107028	Acrolein	2.20E-06	6.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-08	4.50E-05	1.50E-08	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-08	8.99E-05
71432	Benzene	4.79E-05	1.44E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-07	9.79E-04	3.26E-07	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-07	1.96E-03
106990	1,3-Butadiene	9.32E-06	2.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-08	1.90E-04	6.34E-08	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-07	3.81E-04
100414	Ethylbenzene	1.98E-05	5.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-07	4.04E-04	1.35E-07	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-07	8.08E-04
50000	Formaldehyde	2.68E-05	8.03E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-07	5.47E-04	1.82E-07	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-07	1.09E-03
110543	Hexane	5.32E-05	1.60E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-07	1.09E-03	3.62E-07	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-07	2.17E-03
67561	Methanol	2.03E-06	6.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	4.15E-05	1.38E-08	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-08	8.30E-05
78933	Methyl Ethyl Ketone	3.39E-07	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-09	6.92E-06	2.31E-09	6.92E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-09	1.38E-05
91203	Naphthalene	8.47E-07	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-09	1.73E-05	5.77E-09	1.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-08	3.46E-05
115071	Propylene	5.18E-05	1.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-07	1.06E-03	3.53E-07	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-07	2.12E-03
100425	Styrene	2.03E-06	6.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-08	4.15E-05	1.38E-08	4.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-08	8.30E-05
108883	Toluene	1.26E-04	3.79E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-07	2.58E-03	8.60E-07	2.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-06	5.16E-03
1330207	Xylenes	9.11E-05	2.73E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-07	1.86E-03	6.20E-07	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-06	3.72E-03
9901	Diesel	1.18E-03	3.53E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-06	8.93E-02	8.02E-06	8.95E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	1.79E-01

```
** Lakes Environmental AERMOD MPI
**
****************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 13.0.0
** Lakes Environmental Software Inc.
** Date: 4/7/2025
** File: D:\LSA\2025\20241860 - Revised 04062025\Operational\Operational.ADI
**
****************************************
**
**
****************************************
** AERMOD Control Pathway
****************************************
**
**
CO STARTING
   TITLEONE D:\LSA\2025\20241860\Operational\Operational.isc
   MODELOPT CONC
   AVERTIME 1 PERIOD
   URBANOPT 2035210
   POLLUTID OTHER
   RUNORNOT RUN
CO FINISHED
**
****************************************
** AERMOD Source Pathway
****************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Multi-Segment RLine Source Represented by RLine Sources
** RLINE Source ID = SH_IN_E
** DESCRSRC
** Width = 3.05
** Vertical Dimension = 3.05
** Emission Rate = 0.0000936
** Nodes = 5
** 438633.210, 3762883.150, 218.15, 0.00
** 438390.260, 3762881.100, 219.02, 0.00
** 438253.410, 3762881.100, 219.98, 0.00
** 437980.140, 3762880.690, 219.00, 0.00
** 437564.290, 3762877.820, 217.14, 0.00
** ------------------------------------------------------------------------
   LOCATION SH_IN_E_1    RLINE      438633.210  3762883.150   438390.260  3762881.100       218.59
   LOCATION SH_IN_E_2    RLINE      438390.260  3762881.100   438253.410  3762881.100       219.50
   LOCATION SH_IN_E_3    RLINE      438253.410  3762881.100   437980.140  3762880.690       219.49
   LOCATION SH_IN_E_4    RLINE      437980.140  3762880.690   437564.290  3762877.820       218.07
** End of RLINE Source ID = SH_IN_E
** ------------------------------------------------------------------------
```

```
** Multi-Segment RLine Source Represented by RLine Sources□
** RLINE Source ID = IN_E□
** DESCRSRC□
** Width = 3.05□
** Vertical Dimension = 3.05□
** Emission Rate = 0.000526□
** Nodes = 3□
** 437562.650, 3762878.230, 217.16, 0.00□
** 437379.920, 3762878.230, 219.63, 0.00□
** 437373.770, 3762874.130, 217.56, 0.00□
** ------------------------------------------------------------------□
   LOCATION IN_E_1       RLINE      437562.650  3762878.230   437379.920  3762878.230       218.39□
   LOCATION IN_E_2       RLINE      437379.920  3762878.230   437373.770  3762874.130       218.59□
** End of RLINE Source ID = IN_E□
** ------------------------------------------------------------------□
** Multi-Segment RLine Source Represented by RLine Sources□
** RLINE Source ID = OUT_E□
** DESCRSRC□
** Width = 3.05□
** Vertical Dimension = 3.05□
** Emission Rate = 0.000526□
** Nodes = 3□
** 437375.000, 3762869.630, 218.31, 0.00□
** 437381.560, 3762872.900, 218.61, 0.00□
** 437564.290, 3762873.310, 216.85, 0.00□
** ------------------------------------------------------------------□
   LOCATION OUT_E_1      RLINE      437375.000  3762869.630   437381.560  3762872.900       218.46□
   LOCATION OUT_E_2      RLINE      437381.560  3762872.900   437564.290  3762873.310       217.73□
** End of RLINE Source ID = OUT_E□
** ------------------------------------------------------------------□
** Multi-Segment RLine Source Represented by RLine Sources□
** RLINE Source ID = SH_OUT_E□
** DESCRSRC□
** Width = 3.05□
** Vertical Dimension = 3.05□
** Emission Rate = 0.0000937□
** Nodes = 6□
** 437565.080, 3762873.440, 216.84, 0.00□
** 437607.170, 3762871.760, 214.81, 0.00□
** 437831.450, 3762871.740, 215.12, 0.00□
** 437985.100, 3762871.740, 218.63, 0.00□
** 438355.740, 3762870.850, 219.71, 0.00□
** 438632.830, 3762873.510, 217.85, 0.00□
** ------------------------------------------------------------------□
   LOCATION SH_OUT_E_1   RLINE      437565.080  3762873.440   437607.170  3762871.760       215.82□
   LOCATION SH_OUT_E_2   RLINE      437607.170  3762871.760   437831.450  3762871.740       214.97□
   LOCATION SH_OUT_E_3   RLINE      437831.450  3762871.740   437985.100  3762871.740       216.88□
   LOCATION SH_OUT_E_4   RLINE      437985.100  3762871.740   438355.740  3762870.850       219.17□
   LOCATION SH_OUT_E_5   RLINE      438355.740  3762870.850   438632.830  3762873.510       218.78□
** End of RLINE Source ID = SH_OUT_E□
** ------------------------------------------------------------------□
** Multi-Segment RLine Source Represented by RLine Sources□
** RLINE Source ID = SH_OUT_W□
** DESCRSRC□
** Width = 3.05□
```

```
** Vertical Dimension = 3.05□
** Emission Rate = 0.0001□
** Nodes = 7□
** 437370.750, 3762873.850, 217.40, 0.00□
** 437359.200, 3762878.000, 217.94, 0.00□
** 437176.820, 3762878.590, 217.98, 0.00□
** 437023.450, 3762879.180, 216.71, 0.00□
** 436770.890, 3762879.770, 212.80, 0.00□
** 436459.110, 3762880.660, 214.00, 0.00□
** 436373.540, 3762880.990, 211.25, 0.00□
** ------------------------------------------------------------------□
   LOCATION SH_OUT_W_1   RLINE      437370.750  3762873.850   437359.200  3762878.000       217.67□
   LOCATION SH_OUT_W_2   RLINE      437359.200  3762878.000   437176.820  3762878.590       217.96□
   LOCATION SH_OUT_W_3   RLINE      437176.820  3762878.590   437023.450  3762879.180       217.34□
   LOCATION SH_OUT_W_4   RLINE      437023.450  3762879.180   436770.890  3762879.770       214.75□
   LOCATION SH_OUT_W_5   RLINE      436770.890  3762879.770   436459.110  3762880.660       213.40□
   LOCATION SH_OUT_W_6   RLINE      436459.110  3762880.660   436373.540  3762880.990       212.63□
** End of RLINE Source ID = SH_OUT_W□
** ------------------------------------------------------------------□
** Multi-Segment RLine Source Represented by RLine Sources□
** RLINE Source ID = OA_N_IN□
** DESCRSRC□
** Width = 3.05□
** Vertical Dimension = 3.05□
** Emission Rate = 0.00069□
** Nodes = 3□
** 437566.930, 3762872.300, 216.78, 0.00□
** 437561.190, 3762857.540, 216.97, 0.00□
** 437559.970, 3762728.440, 214.02, 0.00□
** ------------------------------------------------------------------□
   LOCATION OA_N_IN_1    RLINE      437566.930  3762872.300   437561.190  3762857.540       216.88□
   LOCATION OA_N_IN_2    RLINE      437561.190  3762857.540   437559.970  3762728.440       215.50□
** End of RLINE Source ID = OA_N_IN□
** ------------------------------------------------------------------□
** Multi-Segment RLine Source Represented by RLine Sources□
** RLINE Source ID = OA_N_OUT□
** DESCRSRC□
** Width = 3.05□
** Vertical Dimension = 3.05□
** Emission Rate = 0.000688□
** Nodes = 3□
** 437559.970, 3762725.980, 214.02, 0.00□
** 437566.930, 3762729.670, 213.98, 0.00□
** 437571.440, 3762866.970, 216.56, 0.00□
** ------------------------------------------------------------------□
   LOCATION OA_N_OUT_1   RLINE      437559.970  3762725.980   437566.930  3762729.670       214.00□
   LOCATION OA_N_OUT_2   RLINE      437566.930  3762729.670   437571.440  3762866.970       215.27□
** End of RLINE Source ID = OA_N_OUT□
** ------------------------------------------------------------------□
** Multi-Segment RLine Source Represented by RLine Sources□
** RLINE Source ID = OA_S_OUT□
** DESCRSRC□
** Width = 3.05□
** Vertical Dimension = 3.05□
** Emission Rate = 0.000157□
```

```
** Nodes = 5
** 437559.780, 3762721.240, 213.78, 0.00
** 437561.520, 3762715.450, 213.52, 0.00
** 437562.100, 3762592.100, 213.34, 0.00
** 437566.150, 3762291.570, 206.92, 0.00
** 437564.990, 3762083.100, 210.62, 0.00
** ----------------------------------------------------------------------
   LOCATION OA_S_OUT_1   RLINE      437559.780  3762721.240   437561.520  3762715.450       213.65
   LOCATION OA_S_OUT_2   RLINE      437561.520  3762715.450   437562.100  3762592.100       213.43
   LOCATION OA_S_OUT_3   RLINE      437562.100  3762592.100   437566.150  3762291.570       210.13
   LOCATION OA_S_OUT_4   RLINE      437566.150  3762291.570   437564.990  3762083.100       208.77
** End of RLINE Source ID = OA_S_OUT
** ----------------------------------------------------------------------
** Multi-Segment RLine Source Represented by RLine Sources
** RLINE Source ID = OA_S_IN
** DESCRSRC
** Width = 3.05
** Vertical Dimension = 3.05
** Emission Rate = 0.000156
** Nodes = 6
** 437568.110, 3762085.660, 210.04, 0.00
** 437568.980, 3762207.550, 207.91, 0.00
** 437569.200, 3762301.470, 207.24, 0.00
** 437567.670, 3762408.500, 209.80, 0.00
** 437567.020, 3762556.380, 212.24, 0.00
** 437566.800, 3762727.410, 213.95, 0.00
** ----------------------------------------------------------------------
   LOCATION OA_S_IN_1    RLINE      437568.110  3762085.660   437568.980  3762207.550       208.97
   LOCATION OA_S_IN_2    RLINE      437568.980  3762207.550   437569.200  3762301.470       207.57
   LOCATION OA_S_IN_3    RLINE      437569.200  3762301.470   437567.670  3762408.500       208.52
   LOCATION OA_S_IN_4    RLINE      437567.670  3762408.500   437567.020  3762556.380       211.02
   LOCATION OA_S_IN_5    RLINE      437567.020  3762556.380   437566.800  3762727.410       213.09
** End of RLINE Source ID = OA_S_IN
** ----------------------------------------------------------------------
** Multi-Segment RLine Source Represented by RLine Sources
** RLINE Source ID = ED_E_IN
** DESCRSRC
** Width = 3.05
** Vertical Dimension = 3.05
** Emission Rate = 0.000126
** Nodes = 5
** 437568.510, 3762081.830, 209.78, 0.00
** 437573.320, 3762077.820, 208.18, 0.00
** 437812.240, 3762076.220, 207.94, 0.00
** 438177.020, 3762081.830, 207.00, 0.00
** 438361.450, 3762079.690, 209.06, 0.00
** ----------------------------------------------------------------------
   LOCATION ED_E_IN_1    RLINE      437568.510  3762081.830   437573.320  3762077.820       208.98
   LOCATION ED_E_IN_2    RLINE      437573.320  3762077.820   437812.240  3762076.220       208.06
   LOCATION ED_E_IN_3    RLINE      437812.240  3762076.220   438177.020  3762081.830       207.47
   LOCATION ED_E_IN_4    RLINE      438177.020  3762081.830   438361.450  3762079.690       208.03
** End of RLINE Source ID = ED_E_IN
** ----------------------------------------------------------------------
** Multi-Segment RLine Source Represented by RLine Sources
** RLINE Source ID = ED_E_OUT
```

```
** DESCRSRC
** Width = 3.05
** Vertical Dimension = 3.05
** Emission Rate = 0.000124
** Nodes = 6
** 438361.110, 3762066.710, 208.71, 0.00
** 438140.070, 3762065.500, 206.89, 0.00
** 437977.670, 3762065.210, 207.49, 0.00
** 437588.410, 3762062.320, 205.24, 0.00
** 437572.190, 3762066.370, 206.07, 0.00
** 437562.920, 3762080.280, 210.61, 0.00
** ----------------------------------------------------------------------
   LOCATION ED_E_OUT_1   RLINE      438361.110  3762066.710   438140.070  3762065.500       207.80
   LOCATION ED_E_OUT_2   RLINE      438140.070  3762065.500   437977.670  3762065.210       207.19
   LOCATION ED_E_OUT_3   RLINE      437977.670  3762065.210   437588.410  3762062.320       206.37
   LOCATION ED_E_OUT_4   RLINE      437588.410  3762062.320   437572.190  3762066.370       205.66
   LOCATION ED_E_OUT_5   RLINE      437572.190  3762066.370   437562.920  3762080.280       208.34
** End of RLINE Source ID = ED_E_OUT
** ----------------------------------------------------------------------
** Multi-Segment RLine Source Represented by RLine Sources
** RLINE Source ID = ED_W_OUT
** DESCRSRC
** Width = 3.05
** Vertical Dimension = 3.05
** Emission Rate = 0.0000846
** Nodes = 6
** 437563.820, 3762080.200, 210.52, 0.00
** 437553.990, 3762074.960, 209.97, 0.00
** 437448.680, 3762075.610, 206.61, 0.00
** 437118.410, 3762075.520, 206.35, 0.00
** 436774.890, 3762078.990, 202.20, 0.00
** 436382.710, 3762076.090, 202.31, 0.00
** ----------------------------------------------------------------------
   LOCATION ED_W_OUT_1   RLINE      437563.820  3762080.200   437553.990  3762074.960       210.25
   LOCATION ED_W_OUT_2   RLINE      437553.990  3762074.960   437448.680  3762075.610       208.29
   LOCATION ED_W_OUT_3   RLINE      437448.680  3762075.610   437118.410  3762075.520       206.48
   LOCATION ED_W_OUT_4   RLINE      437118.410  3762075.520   436774.890  3762078.990       204.27
   LOCATION ED_W_OUT_5   RLINE      436774.890  3762078.990   436382.710  3762076.090       202.25
** End of RLINE Source ID = ED_W_OUT
** ----------------------------------------------------------------------
** Multi-Segment RLine Source Represented by RLine Sources
** RLINE Source ID = ED_W_IN
** DESCRSRC
** Width = 3.05
** Vertical Dimension = 3.05
** Emission Rate = 0.0000842
** Nodes = 9
** 436385.100, 3762066.150, 203.25, 0.00
** 436602.320, 3762062.800, 206.76, 0.00
** 436748.400, 3762063.630, 202.00, 0.00
** 437062.310, 3762060.700, 204.60, 0.00
** 437439.850, 3762056.520, 206.05, 0.00
** 437515.190, 3762061.960, 208.33, 0.00
** 437548.620, 3762067.390, 207.26, 0.00
** 437564.100, 3762074.090, 208.70, 0.00
```

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** 437568.290, 3762078.270, 209.45, 0.00
** ----------------------------------------------------------------------
   LOCATION ED_W_IN_1    RLINE      436385.100  3762066.150   436602.320  3762062.800       205.00
   LOCATION ED_W_IN_2    RLINE      436602.320  3762062.800   436748.400  3762063.630       204.38
   LOCATION ED_W_IN_3    RLINE      436748.400  3762063.630   437062.310  3762060.700       203.30
   LOCATION ED_W_IN_4    RLINE      437062.310  3762060.700   437439.850  3762056.520       205.32
   LOCATION ED_W_IN_5    RLINE      437439.850  3762056.520   437515.190  3762061.960       207.19
   LOCATION ED_W_IN_6    RLINE      437515.190  3762061.960   437548.620  3762067.390       207.80
   LOCATION ED_W_IN_7    RLINE      437548.620  3762067.390   437564.100  3762074.090       207.98
   LOCATION ED_W_IN_8    RLINE      437564.100  3762074.090   437568.290  3762078.270       209.07
** End of RLINE Source ID = ED_W_IN
   LOCATION STCK1        POINT      437386.170  3762741.320      214.630
   LOCATION STCK2        POINT      437394.422  3762741.540      214.090
   LOCATION STCK3        POINT      437402.675  3762741.317      213.800
   LOCATION STCK4        POINT      437412.712  3762741.317      214.130
   LOCATION STCK5        POINT      437421.189  3762741.317      214.420
   LOCATION STCK6        POINT      437429.442  3762740.871      214.680
   LOCATION STCK7        POINT      437404.013  3762713.658      213.110
   LOCATION STCK8        POINT      437410.705  3762713.435      213.280
   LOCATION STCK9        POINT      437406.913  3762693.137      213.020
   LOCATION STCK10       POINT      437414.274  3762692.690      213.040
** ----------------------------------------------------------------------
** Multi-Segment RLine Source Represented by RLine Sources
** RLINE Source ID = SH_IN_W
** DESCRSRC
** Width = 3.05
** Vertical Dimension = 3.05
** Emission Rate = 0.000101
** Nodes = 5
** 436377.350, 3762868.684, 208.67, 0.00
** 436683.421, 3762868.922, 215.98, 0.00
** 437144.887, 3762868.677, 219.68, 0.00
** 437361.461, 3762869.589, 216.99, 0.00
** 437365.565, 3762867.309, 217.14, 0.00
** ----------------------------------------------------------------------
   LOCATION SH_IN_W_1    RLINE      436377.350  3762868.684   436683.421  3762868.922       212.32
   LOCATION SH_IN_W_2    RLINE      436683.421  3762868.922   437144.887  3762868.677       217.83
   LOCATION SH_IN_W_3    RLINE      437144.887  3762868.677   437361.461  3762869.589       218.34
   LOCATION SH_IN_W_4    RLINE      437361.461  3762869.589   437365.565  3762867.309       217.06
** End of RLINE Source ID = SH_IN_W
** ----------------------------------------------------------------------
** Multi-Segment RLine Source Represented by RLine Sources
** RLINE Source ID = ONSITE
** DESCRSRC
** Width = 3.05
** Vertical Dimension = 3.05
** Emission Rate = 0.000313
** Nodes = 7
** 437374.715, 3762867.477, 217.79, 0.00
** 437375.007, 3762741.430, 214.23, 0.00
** 437376.655, 3762731.216, 214.12, 0.00
** 437387.528, 3762727.263, 213.98, 0.00
** 437397.741, 3762725.286, 213.65, 0.00
** 437428.054, 3762723.968, 213.72, 0.00
** 437559.516, 3762723.638, 213.86, 0.00
```

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** ----------------------------------------------------------------------
   LOCATION ONSITE_1     RLINE      437374.715  3762867.477   437375.007  3762741.430       216.01
   LOCATION ONSITE_2     RLINE      437375.007  3762741.430   437376.655  3762731.216       214.18
   LOCATION ONSITE_3     RLINE      437376.655  3762731.216   437387.528  3762727.263       214.05
   LOCATION ONSITE_4     RLINE      437387.528  3762727.263   437397.741  3762725.286       213.81
   LOCATION ONSITE_5     RLINE      437397.741  3762725.286   437428.054  3762723.968       213.69
   LOCATION ONSITE_6     RLINE      437428.054  3762723.968   437559.516  3762723.638       213.79
** End of RLINE Source ID = ONSITE
** ----------------------------------------------------------------------
** Multi-Segment RLine Source Represented by RLine Sources
** RLINE Source ID = PARCEL2
** DESCRSRC
** Width = 3.05
** Vertical Dimension = 3.05
** Emission Rate = 0.00077
** Nodes = 5
** 437448.802, 3762869.438, 218.47, 0.00
** 437449.542, 3762838.339, 218.30, 0.00
** 437451.949, 3762836.488, 216.45, 0.00
** 437458.243, 3762835.007, 216.26, 0.00
** 437558.205, 3762834.637, 215.62, 0.00
** ----------------------------------------------------------------------
   LOCATION PARCEL2_1    RLINE      437448.802  3762869.438   437449.542  3762838.339       218.38
   LOCATION PARCEL2_2    RLINE      437449.542  3762838.339   437451.949  3762836.488       217.38
   LOCATION PARCEL2_3    RLINE      437451.949  3762836.488   437458.243  3762835.007       216.35
   LOCATION PARCEL2_4    RLINE      437458.243  3762835.007   437558.205  3762834.637       215.94
** End of RLINE Source ID = PARCEL2
** Source Parameters **
   SRCPARAM SH_IN_E_1    0.0000936     0.000     3.048     3.048
   SRCPARAM SH_IN_E_2    0.0000936     0.000     3.048     3.048
   SRCPARAM SH_IN_E_3    0.0000936     0.000     3.048     3.048
   SRCPARAM SH_IN_E_4    0.0000936     0.000     3.048     3.048
   SRCPARAM IN_E_1        0.000526     0.000     3.048     3.048
   SRCPARAM IN_E_2        0.000526     0.000     3.048     3.048
   SRCPARAM OUT_E_1       0.000526     0.000     3.048     3.048
   SRCPARAM OUT_E_2       0.000526     0.000     3.048     3.048
   SRCPARAM SH_OUT_E_1   0.0000937     0.000     3.048     3.048
   SRCPARAM SH_OUT_E_2   0.0000937     0.000     3.048     3.048
   SRCPARAM SH_OUT_E_3   0.0000937     0.000     3.048     3.048
   SRCPARAM SH_OUT_E_4   0.0000937     0.000     3.048     3.048
   SRCPARAM SH_OUT_E_5   0.0000937     0.000     3.048     3.048
   SRCPARAM SH_OUT_W_1      0.0001     0.000     3.048     3.048
   SRCPARAM SH_OUT_W_2      0.0001     0.000     3.048     3.048
   SRCPARAM SH_OUT_W_3      0.0001     0.000     3.048     3.048
   SRCPARAM SH_OUT_W_4      0.0001     0.000     3.048     3.048
   SRCPARAM SH_OUT_W_5      0.0001     0.000     3.048     3.048
   SRCPARAM SH_OUT_W_6      0.0001     0.000     3.048     3.048
   SRCPARAM OA_N_IN_1      0.00069     0.000     3.048     3.048
   SRCPARAM OA_N_IN_2      0.00069     0.000     3.048     3.048
   SRCPARAM OA_N_OUT_1    0.000688     0.000     3.048     3.048
   SRCPARAM OA_N_OUT_2    0.000688     0.000     3.048     3.048
   SRCPARAM OA_S_OUT_1    0.000157     0.000     3.048     3.048
   SRCPARAM OA_S_OUT_2    0.000157     0.000     3.048     3.048
   SRCPARAM OA_S_OUT_3    0.000157     0.000     3.048     3.048
   SRCPARAM OA_S_OUT_4    0.000157     0.000     3.048     3.048
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SRCPARAM OA_S_IN_1     0.000156     0.000     3.048     3.048□
SRCPARAM OA_S_IN_2     0.000156     0.000     3.048     3.048□
SRCPARAM OA_S_IN_3     0.000156     0.000     3.048     3.048□
SRCPARAM OA_S_IN_4     0.000156     0.000     3.048     3.048□
SRCPARAM OA_S_IN_5     0.000156     0.000     3.048     3.048□
SRCPARAM ED_E_IN_1     0.000126     0.000     3.048     3.048□
SRCPARAM ED_E_IN_2     0.000126     0.000     3.048     3.048□
SRCPARAM ED_E_IN_3     0.000126     0.000     3.048     3.048□
SRCPARAM ED_E_IN_4     0.000126     0.000     3.048     3.048□
SRCPARAM ED_E_OUT_1    0.000124     0.000     3.048     3.048□
SRCPARAM ED_E_OUT_2    0.000124     0.000     3.048     3.048□
SRCPARAM ED_E_OUT_3    0.000124     0.000     3.048     3.048□
SRCPARAM ED_E_OUT_4    0.000124     0.000     3.048     3.048□
SRCPARAM ED_E_OUT_5    0.000124     0.000     3.048     3.048□
SRCPARAM ED_W_OUT_1   0.0000846     0.000     3.048     3.048□
SRCPARAM ED_W_OUT_2   0.0000846     0.000     3.048     3.048□
SRCPARAM ED_W_OUT_3   0.0000846     0.000     3.048     3.048□
SRCPARAM ED_W_OUT_4   0.0000846     0.000     3.048     3.048□
SRCPARAM ED_W_OUT_5   0.0000846     0.000     3.048     3.048□
SRCPARAM ED_W_IN_1    0.0000842     0.000     3.048     3.048□
SRCPARAM ED_W_IN_2    0.0000842     0.000     3.048     3.048□
SRCPARAM ED_W_IN_3    0.0000842     0.000     3.048     3.048□
SRCPARAM ED_W_IN_4    0.0000842     0.000     3.048     3.048□
SRCPARAM ED_W_IN_5    0.0000842     0.000     3.048     3.048□
SRCPARAM ED_W_IN_6    0.0000842     0.000     3.048     3.048□
SRCPARAM ED_W_IN_7    0.0000842     0.000     3.048     3.048□
SRCPARAM ED_W_IN_8    0.0000842     0.000     3.048     3.048□
SRCPARAM STCK1              1.0     3.658   388.700        25     0.044□
SRCPARAM STCK2              1.0     3.658   388.700        25     0.044□
SRCPARAM STCK3              1.0     3.658   388.700        25     0.044□
SRCPARAM STCK4              1.0     3.658   388.700        25     0.044□
SRCPARAM STCK5              1.0     3.658   388.700        25     0.044□
SRCPARAM STCK6              1.0     3.658   388.700        25     0.044□
SRCPARAM STCK7              1.0     3.658   388.700        25     0.044□
SRCPARAM STCK8              1.0     3.658   388.700        25     0.044□
SRCPARAM STCK9              1.0     3.658   388.700        25     0.044□
SRCPARAM STCK10             1.0     3.658   388.700        25     0.044□
SRCPARAM SH_IN_W_1     0.000101     0.000     3.048     3.048□
SRCPARAM SH_IN_W_2     0.000101     0.000     3.048     3.048□
SRCPARAM SH_IN_W_3     0.000101     0.000     3.048     3.048□
SRCPARAM SH_IN_W_4     0.000101     0.000     3.048     3.048□
SRCPARAM ONSITE_1      0.000313     0.000     3.048     3.048□
SRCPARAM ONSITE_2      0.000313     0.000     3.048     3.048□
SRCPARAM ONSITE_3      0.000313     0.000     3.048     3.048□
SRCPARAM ONSITE_4      0.000313     0.000     3.048     3.048□
SRCPARAM ONSITE_5      0.000313     0.000     3.048     3.048□
SRCPARAM ONSITE_6      0.000313     0.000     3.048     3.048□
SRCPARAM PARCEL2_1      0.00077     0.000     3.048     3.048□
SRCPARAM PARCEL2_2      0.00077     0.000     3.048     3.048□
SRCPARAM PARCEL2_3      0.00077     0.000     3.048     3.048□
SRCPARAM PARCEL2_4      0.00077     0.000     3.048     3.048□
URBANSRC ALL□
SRCGROUP ED_E_IN  ED_E_IN_1 ED_E_IN_2 ED_E_IN_3 ED_E_IN_4□
SRCGROUP ED_E_OUT ED_E_OUT_1 ED_E_OUT_2 ED_E_OUT_3 ED_E_OUT_4 ED_E_OUT_5□
SRCGROUP ED_W_IN  ED_W_IN_1 ED_W_IN_2 ED_W_IN_3 ED_W_IN_4 ED_W_IN_5 ED_W_IN_6□
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   SRCGROUP ED_W_IN  ED_W_IN_7 ED_W_IN_8□
   SRCGROUP ED_W_OUT ED_W_OUT_1 ED_W_OUT_2 ED_W_OUT_3 ED_W_OUT_4 ED_W_OUT_5□
   SRCGROUP IN_E     IN_E_1 IN_E_2□
   SRCGROUP OA_N_IN  OA_N_IN_1 OA_N_IN_2□
   SRCGROUP OA_N_OUT OA_N_OUT_1 OA_N_OUT_2□
   SRCGROUP OA_S_IN  OA_S_IN_1 OA_S_IN_2 OA_S_IN_3 OA_S_IN_4 OA_S_IN_5□
   SRCGROUP OA_S_OUT OA_S_OUT_1 OA_S_OUT_2 OA_S_OUT_3 OA_S_OUT_4□
   SRCGROUP ONSITE   ONSITE_1 ONSITE_2 ONSITE_3 ONSITE_4 ONSITE_5 ONSITE_6□
   SRCGROUP OUT_E    OUT_E_1 OUT_E_2□
   SRCGROUP SH_IN_E  SH_IN_E_1 SH_IN_E_2 SH_IN_E_3 SH_IN_E_4□
   SRCGROUP SH_IN_W  SH_IN_W_1 SH_IN_W_2 SH_IN_W_3 SH_IN_W_4□
   SRCGROUP SH_OUT_E SH_OUT_E_1 SH_OUT_E_2 SH_OUT_E_3 SH_OUT_E_4 SH_OUT_E_5□
   SRCGROUP SH_OUT_W SH_OUT_W_1 SH_OUT_W_2 SH_OUT_W_3 SH_OUT_W_4 SH_OUT_W_5□
   SRCGROUP SH_OUT_W SH_OUT_W_6□
   SRCGROUP STCK1    STCK1□
   SRCGROUP STCK10   STCK10□
   SRCGROUP STCK2    STCK2□
   SRCGROUP STCK3    STCK3□
   SRCGROUP STCK4    STCK4□
   SRCGROUP STCK5    STCK5□
   SRCGROUP STCK6    STCK6□
   SRCGROUP STCK7    STCK7□
   SRCGROUP STCK8    STCK8□
   SRCGROUP STCK9    STCK9□
   SRCGROUP PARCEL2  PARCEL2_1 PARCEL2_2 PARCEL2_3 PARCEL2_4□
SO FINISHED□
**□
**************************************□
** AERMOD Receptor Pathway□
**************************************□
**□
**□
RE STARTING□
   INCLUDED Operational.rou□
RE FINISHED□
**□
**************************************□
** AERMOD Meteorology Pathway□
**************************************□
**□
**□
ME STARTING□
   SURFFILE ..\ChinoAirportADJU\KCNO_V9_ADJU\KCNO_v9.SFC□
   PROFFILE ..\ChinoAirportADJU\KCNO_V9_ADJU\KCNO_v9.PFL□
   SURFDATA 3179 2012□
   UAIRDATA 3190 2012□
   PROFBASE 198.0 METERS□
ME FINISHED□
**□
**************************************□
** AERMOD Output Pathway□
**************************************□
**□
**□
OU STARTING□
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   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ED_E_IN 1ST OPERATIONAL.AD\01H1G001.PLT 31
   PLOTFILE 1 ED_E_OUT 1ST OPERATIONAL.AD\01H1G002.PLT 32
   PLOTFILE 1 ED_W_IN 1ST OPERATIONAL.AD\01H1G003.PLT 33
   PLOTFILE 1 ED_W_OUT 1ST OPERATIONAL.AD\01H1G004.PLT 34
   PLOTFILE 1 IN_E 1ST OPERATIONAL.AD\01H1G005.PLT 35
   PLOTFILE 1 OA_N_IN 1ST OPERATIONAL.AD\01H1G006.PLT 36
   PLOTFILE 1 OA_N_OUT 1ST OPERATIONAL.AD\01H1G007.PLT 37
   PLOTFILE 1 OA_S_IN 1ST OPERATIONAL.AD\01H1G008.PLT 38
   PLOTFILE 1 OA_S_OUT 1ST OPERATIONAL.AD\01H1G009.PLT 39
   PLOTFILE 1 ONSITE 1ST OPERATIONAL.AD\01H1G010.PLT 40
   PLOTFILE 1 OUT_E 1ST OPERATIONAL.AD\01H1G011.PLT 41
   PLOTFILE 1 SH_IN_E 1ST OPERATIONAL.AD\01H1G012.PLT 42
   PLOTFILE 1 SH_IN_W 1ST OPERATIONAL.AD\01H1G013.PLT 43
   PLOTFILE 1 SH_OUT_E 1ST OPERATIONAL.AD\01H1G014.PLT 44
   PLOTFILE 1 SH_OUT_W 1ST OPERATIONAL.AD\01H1G015.PLT 45
   PLOTFILE 1 STCK1 1ST OPERATIONAL.AD\01H1G016.PLT 46
   PLOTFILE 1 STCK10 1ST OPERATIONAL.AD\01H1G017.PLT 47
   PLOTFILE 1 STCK2 1ST OPERATIONAL.AD\01H1G018.PLT 48
   PLOTFILE 1 STCK3 1ST OPERATIONAL.AD\01H1G019.PLT 49
   PLOTFILE 1 STCK4 1ST OPERATIONAL.AD\01H1G020.PLT 50
   PLOTFILE 1 STCK5 1ST OPERATIONAL.AD\01H1G021.PLT 51
   PLOTFILE 1 STCK6 1ST OPERATIONAL.AD\01H1G022.PLT 52
   PLOTFILE 1 STCK7 1ST OPERATIONAL.AD\01H1G023.PLT 53
   PLOTFILE 1 STCK8 1ST OPERATIONAL.AD\01H1G024.PLT 54
   PLOTFILE 1 STCK9 1ST OPERATIONAL.AD\01H1G025.PLT 55
   PLOTFILE 1 PARCEL2 1ST OPERATIONAL.AD\01H1G026.PLT 56
   PLOTFILE PERIOD ED_E_IN OPERATIONAL.AD\PE00G001.PLT 57
   PLOTFILE PERIOD ED_E_OUT OPERATIONAL.AD\PE00G002.PLT 58
   PLOTFILE PERIOD ED_W_IN OPERATIONAL.AD\PE00G003.PLT 59
   PLOTFILE PERIOD ED_W_OUT OPERATIONAL.AD\PE00G004.PLT 60
   PLOTFILE PERIOD IN_E OPERATIONAL.AD\PE00G005.PLT 61
   PLOTFILE PERIOD OA_N_IN OPERATIONAL.AD\PE00G006.PLT 62
   PLOTFILE PERIOD OA_N_OUT OPERATIONAL.AD\PE00G007.PLT 63
   PLOTFILE PERIOD OA_S_IN OPERATIONAL.AD\PE00G008.PLT 64
   PLOTFILE PERIOD OA_S_OUT OPERATIONAL.AD\PE00G009.PLT 65
   PLOTFILE PERIOD ONSITE OPERATIONAL.AD\PE00G010.PLT 66
   PLOTFILE PERIOD OUT_E OPERATIONAL.AD\PE00G011.PLT 67
   PLOTFILE PERIOD SH_IN_E OPERATIONAL.AD\PE00G012.PLT 68
   PLOTFILE PERIOD SH_IN_W OPERATIONAL.AD\PE00G013.PLT 69
   PLOTFILE PERIOD SH_OUT_E OPERATIONAL.AD\PE00G014.PLT 70
   PLOTFILE PERIOD SH_OUT_W OPERATIONAL.AD\PE00G015.PLT 71
   PLOTFILE PERIOD STCK1 OPERATIONAL.AD\PE00G016.PLT 72
   PLOTFILE PERIOD STCK10 OPERATIONAL.AD\PE00G017.PLT 73
   PLOTFILE PERIOD STCK2 OPERATIONAL.AD\PE00G018.PLT 74
   PLOTFILE PERIOD STCK3 OPERATIONAL.AD\PE00G019.PLT 75
   PLOTFILE PERIOD STCK4 OPERATIONAL.AD\PE00G020.PLT 76
   PLOTFILE PERIOD STCK5 OPERATIONAL.AD\PE00G021.PLT 77
   PLOTFILE PERIOD STCK6 OPERATIONAL.AD\PE00G022.PLT 78
   PLOTFILE PERIOD STCK7 OPERATIONAL.AD\PE00G023.PLT 79
   PLOTFILE PERIOD STCK8 OPERATIONAL.AD\PE00G024.PLT 80
   PLOTFILE PERIOD STCK9 OPERATIONAL.AD\PE00G025.PLT 81
   PLOTFILE PERIOD PARCEL2 OPERATIONAL.AD\PE00G026.PLT 82
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   SUMMFILE Operational.sum
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ******** 
               ***  NONE  ***         


    ********   WARNING MESSAGES   ******** 
 ME W186     487       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     487       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET            

 **********************************
 *** SETUP Finishes Successfully ***
 **********************************
```

*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

- -

** Model Options Selected:
* Model Allows User-Specified Options
* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 78 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Assumes No FLAGPOLE Receptor Heights.
* The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 78 Source(s); 26 Source Group(s); and 10424 Receptor(s)

with: 10 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 68 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                m for Missing Hours
                                                                b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   198.00 ; Decay Coef. =   0.000   ; Rot. Angle =   0.0
                 Emission Units = GRAMS/SEC   ; Emission Rate Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =   16.2 MB of RAM.

**Input Runstream File: aermod.inp
**Output Print File: aermod.out

**File for Summary of Results: Operational.sum

*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.10000E+01	437386.2	3762741.3	214.6	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK2	0	0.10000E+01	437394.4	3762741.5	214.1	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK3	0	0.10000E+01	437402.7	3762741.3	213.8	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK4	0	0.10000E+01	437412.7	3762741.3	214.1	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK5	0	0.10000E+01	437421.2	3762741.3	214.4	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK6	0	0.10000E+01	437429.4	3762740.9	214.7	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK7	0	0.10000E+01	437404.0	3762713.7	213.1	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK8	0	0.10000E+01	437410.7	3762713.4	213.3	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK9	0	0.10000E+01	437406.9	3762693.1	213.0	3.66	388.70	25.00	0.04	NO	YES	NO	
STCK10	0	0.10000E+01	437414.3	3762692.7	213.0	3.66	388.70	25.00	0.04	NO	YES	NO	

*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** RLINE/RLINEXT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER)	FIRST COORD X (M)	FIRST COORD Y (M)	FIRST COORD Z (M)	SECOND COORD X (M)	SECOND COORD Y (M)	SECOND COORD Z (M)	BASE ELEV. (M)	INIT. DCL (M)	INIT. SZ (M)	WIDTH (M)	URBAN SOURCE	EMIS RATE SCALAR VARY BY
SH_IN_E_1	0	0.28529E-03	438633.2	3762883.1	0.0	438390.3	3762881.1	0.0	218.6	0.0	3.05	3.05	YES	
SH_IN_E_2	0	0.28529E-03	438390.3	3762881.1	0.0	438253.4	3762881.1	0.0	219.5	0.0	3.05	3.05	YES	
SH_IN_E_3	0	0.28529E-03	438253.4	3762881.1	0.0	437980.1	3762880.7	0.0	219.5	0.0	3.05	3.05	YES	
SH_IN_E_4	0	0.28529E-03	437980.1	3762880.7	0.0	437564.3	3762877.8	0.0	218.1	0.0	3.05	3.05	YES	
IN_E_1	0	0.16032E-02	437562.6	3762878.2	0.0	437379.9	3762878.2	0.0	218.4	0.0	3.05	3.05	YES	
IN_E_2	0	0.16032E-02	437379.9	3762878.2	0.0	437373.8	3762874.1	0.0	218.6	0.0	3.05	3.05	YES	
OUT_E_1	0	0.16032E-02	437375.0	3762869.6	0.0	437381.6	3762872.9	0.0	218.5	0.0	3.05	3.05	YES	
OUT_E_2	0	0.16032E-02	437381.6	3762872.9	0.0	437564.3	3762873.3	0.0	217.7	0.0	3.05	3.05	YES	
SH_OUT_E_1	0	0.28560E-03	437565.1	3762873.4	0.0	437607.2	3762871.8	0.0	215.8	0.0	3.05	3.05	YES	
SH_OUT_E_2	0	0.28560E-03	437607.2	3762871.8	0.0	437831.5	3762871.7	0.0	215.0	0.0	3.05	3.05	YES	
SH_OUT_E_3	0	0.28560E-03	437831.5	3762871.7	0.0	437985.1	3762871.7	0.0	216.9	0.0	3.05	3.05	YES	
SH_OUT_E_4	0	0.28560E-03	437985.1	3762871.7	0.0	438355.7	3762870.8	0.0	219.2	0.0	3.05	3.05	YES	
SH_OUT_E_5	0	0.28560E-03	438355.7	3762870.8	0.0	438632.8	3762873.5	0.0	218.8	0.0	3.05	3.05	YES	
SH_OUT_W_1	0	0.30480E-03	437370.8	3762873.8	0.0	437359.2	3762878.0	0.0	217.7	0.0	3.05	3.05	YES	
SH_OUT_W_2	0	0.30480E-03	437359.2	3762878.0	0.0	437176.8	3762878.6	0.0	218.0	0.0	3.05	3.05	YES	
SH_OUT_W_3	0	0.30480E-03	437176.8	3762878.6	0.0	437023.5	3762879.2	0.0	217.3	0.0	3.05	3.05	YES	
SH_OUT_W_4	0	0.30480E-03	437023.5	3762879.2	0.0	436770.9	3762879.8	0.0	214.8	0.0	3.05	3.05	YES	
SH_OUT_W_5	0	0.30480E-03	436770.9	3762879.8	0.0	436459.1	3762880.7	0.0	213.4	0.0	3.05	3.05	YES	
SH_OUT_W_6	0	0.30480E-03	436459.1	3762880.7	0.0	436373.5	3762881.0	0.0	212.6	0.0	3.05	3.05	YES	
OA_N_IN_1	0	0.21031E-02	437566.9	3762872.3	0.0	437561.2	3762857.5	0.0	216.9	0.0	3.05	3.05	YES	
OA_N_IN_2	0	0.21031E-02	437561.2	3762857.5	0.0	437560.0	3762728.4	0.0	215.5	0.0	3.05	3.05	YES	
OA_N_OUT_1	0	0.20970E-02	437560.0	3762726.0	0.0	437566.9	3762729.7	0.0	214.0	0.0	3.05	3.05	YES	
OA_N_OUT_2	0	0.20970E-02	437566.9	3762729.7	0.0	437571.4	3762867.0	0.0	215.3	0.0	3.05	3.05	YES	
OA_S_OUT_1	0	0.47854E-03	437559.8	3762721.2	0.0	437561.5	3762715.4	0.0	213.7	0.0	3.05	3.05	YES	
OA_S_OUT_2	0	0.47854E-03	437561.5	3762715.4	0.0	437562.1	3762592.1	0.0	213.4	0.0	3.05	3.05	YES	
OA_S_OUT_3	0	0.47854E-03	437562.1	3762592.1	0.0	437566.1	3762291.6	0.0	210.1	0.0	3.05	3.05	YES	
OA_S_OUT_4	0	0.47854E-03	437566.1	3762291.6	0.0	437565.0	3762083.1	0.0	208.8	0.0	3.05	3.05	YES	
OA_S_IN_1	0	0.47549E-03	437568.1	3762085.7	0.0	437569.0	3762207.5	0.0	209.0	0.0	3.05	3.05	YES	
OA_S_IN_2	0	0.47549E-03	437569.0	3762207.5	0.0	437569.2	3762301.5	0.0	207.6	0.0	3.05	3.05	YES	
OA_S_IN_3	0	0.47549E-03	437569.2	3762301.5	0.0	437567.7	3762408.5	0.0	208.5	0.0	3.05	3.05	YES	
OA_S_IN_4	0	0.47549E-03	437567.7	3762408.5	0.0	437567.0	3762556.4	0.0	211.0	0.0	3.05	3.05	YES	
OA_S_IN_5	0	0.47549E-03	437567.0	3762556.4	0.0	437566.8	3762727.4	0.0	213.1	0.0	3.05	3.05	YES	
ED_E_IN_1	0	0.38405E-03	437568.5	3762081.8	0.0	437573.3	3762077.8	0.0	209.0	0.0	3.05	3.05	YES	
ED_E_IN_2	0	0.38405E-03	437573.3	3762077.8	0.0	437812.2	3762076.2	0.0	208.1	0.0	3.05	3.05	YES	
ED_E_IN_3	0	0.38405E-03	437812.2	3762076.2	0.0	438177.0	3762081.8	0.0	207.5	0.0	3.05	3.05	YES	
ED_E_IN_4	0	0.38405E-03	438177.0	3762081.8	0.0	438361.5	3762079.7	0.0	208.0	0.0	3.05	3.05	YES	
ED_E_OUT_1	0	0.37795E-03	438361.1	3762066.7	0.0	438140.1	3762065.5	0.0	207.8	0.0	3.05	3.05	YES	
ED_E_OUT_2	0	0.37795E-03	438140.1	3762065.5	0.0	437977.7	3762065.2	0.0	207.2	0.0	3.05	3.05	YES	
ED_E_OUT_3	0	0.37795E-03	437977.7	3762065.2	0.0	437588.4	3762062.3	0.0	206.4	0.0	3.05	3.05	YES	
ED_E_OUT_4	0	0.37795E-03	437588.4	3762062.3	0.0	437572.2	3762066.4	0.0	205.7	0.0	3.05	3.05	YES	

*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** RLINE/RLINEXT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC /METER)	FIRST COORD X (M)	FIRST COORD Y (M)	FIRST COORD Z (M)	SECOND COORD X (M)	SECOND COORD Y (M)	SECOND COORD Z (M)	BASE ELEV. (M)	INIT. DCL (M)	INIT. SZ (M)	WIDTH (M)	URBAN SOURCE	EMIS RATE SCALAR VARY BY
ED_E_OUT_5	0	0.37795E-03	437572.2	3762066.4	0.0	437562.9	3762080.3	0.0	208.3	0.0	3.05	3.05	YES	
ED_W_OUT_1	0	0.25786E-03	437563.8	3762080.2	0.0	437554.0	3762075.0	0.0	210.2	0.0	3.05	3.05	YES	
ED_W_OUT_2	0	0.25786E-03	437554.0	3762075.0	0.0	437448.7	3762075.6	0.0	208.3	0.0	3.05	3.05	YES	
ED_W_OUT_3	0	0.25786E-03	437448.7	3762075.6	0.0	437118.4	3762075.5	0.0	206.5	0.0	3.05	3.05	YES	
ED_W_OUT_4	0	0.25786E-03	437118.4	3762075.5	0.0	436774.9	3762079.0	0.0	204.3	0.0	3.05	3.05	YES	
ED_W_OUT_5	0	0.25786E-03	436774.9	3762079.0	0.0	436382.7	3762076.1	0.0	202.2	0.0	3.05	3.05	YES	
ED_W_IN_1	0	0.25664E-03	436385.1	3762066.1	0.0	436602.3	3762062.8	0.0	205.0	0.0	3.05	3.05	YES	
ED_W_IN_2	0	0.25664E-03	436602.3	3762062.8	0.0	436748.4	3762063.6	0.0	204.4	0.0	3.05	3.05	YES	
ED_W_IN_3	0	0.25664E-03	436748.4	3762063.6	0.0	437062.3	3762060.7	0.0	203.3	0.0	3.05	3.05	YES	
ED_W_IN_4	0	0.25664E-03	437062.3	3762060.7	0.0	437439.8	3762056.5	0.0	205.3	0.0	3.05	3.05	YES	
ED_W_IN_5	0	0.25664E-03	437439.8	3762056.5	0.0	437515.2	3762062.0	0.0	207.2	0.0	3.05	3.05	YES	
ED_W_IN_6	0	0.25664E-03	437515.2	3762062.0	0.0	437548.6	3762067.4	0.0	207.8	0.0	3.05	3.05	YES	
ED_W_IN_7	0	0.25664E-03	437548.6	3762067.4	0.0	437564.1	3762074.1	0.0	208.0	0.0	3.05	3.05	YES	
ED_W_IN_8	0	0.25664E-03	437564.1	3762074.1	0.0	437568.3	3762078.3	0.0	209.1	0.0	3.05	3.05	YES	
SH_IN_W_1	0	0.30785E-03	436377.3	3762868.7	0.0	436683.4	3762868.9	0.0	212.3	0.0	3.05	3.05	YES	
SH_IN_W_2	0	0.30785E-03	436683.4	3762868.9	0.0	437144.9	3762868.7	0.0	217.8	0.0	3.05	3.05	YES	
SH_IN_W_3	0	0.30785E-03	437144.9	3762868.7	0.0	437361.5	3762869.6	0.0	218.3	0.0	3.05	3.05	YES	
SH_IN_W_4	0	0.30785E-03	437361.5	3762869.6	0.0	437365.6	3762867.3	0.0	217.1	0.0	3.05	3.05	YES	
ONSITE_1	0	0.95402E-03	437374.7	3762867.5	0.0	437375.0	3762741.4	0.0	216.0	0.0	3.05	3.05	YES	
ONSITE_2	0	0.95402E-03	437375.0	3762741.4	0.0	437376.7	3762731.2	0.0	214.2	0.0	3.05	3.05	YES	
ONSITE_3	0	0.95402E-03	437376.7	3762731.2	0.0	437387.5	3762727.3	0.0	214.1	0.0	3.05	3.05	YES	
ONSITE_4	0	0.95402E-03	437387.5	3762727.3	0.0	437397.7	3762725.3	0.0	213.8	0.0	3.05	3.05	YES	
ONSITE_5	0	0.95402E-03	437397.7	3762725.3	0.0	437428.1	3762724.0	0.0	213.7	0.0	3.05	3.05	YES	
ONSITE_6	0	0.95402E-03	437428.1	3762724.0	0.0	437559.5	3762723.6	0.0	213.8	0.0	3.05	3.05	YES	
PARCEL2_1	0	0.23470E-02	437448.8	3762869.4	0.0	437449.5	3762838.3	0.0	218.4	0.0	3.05	3.05	YES	
PARCEL2_2	0	0.23470E-02	437449.5	3762838.3	0.0	437451.9	3762836.5	0.0	217.4	0.0	3.05	3.05	YES	
PARCEL2_3	0	0.23470E-02	437451.9	3762836.5	0.0	437458.2	3762835.0	0.0	216.4	0.0	3.05	3.05	YES	
PARCEL2_4	0	0.23470E-02	437458.2	3762835.0	0.0	437558.2	3762834.6	0.0	215.9	0.0	3.05	3.05	YES	

*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ED_E_IN	ED_E_IN_1 , ED_E_IN_2 , ED_E_IN_3 , ED_E_IN_4 ,
ED_E_OUT	ED_E_OUT_1 , ED_E_OUT_2 , ED_E_OUT_3 , ED_E_OUT_4 , ED_E_OUT_5 ,
ED_W_IN	ED_W_IN_1 , ED_W_IN_2 , ED_W_IN_3 , ED_W_IN_4 , ED_W_IN_5 , ED_W_IN_6 , ED_W_IN_7 , ED_W_IN_8 ,
ED_W_OUT	ED_W_OUT_1 , ED_W_OUT_2 , ED_W_OUT_3 , ED_W_OUT_4 , ED_W_OUT_5 ,
IN_E	IN_E_1 , IN_E_2 ,
OA_N_IN	OA_N_IN_1 , OA_N_IN_2 ,
OA_N_OUT	OA_N_OUT_1 , OA_N_OUT_2 ,
OA_S_IN	OA_S_IN_1 , OA_S_IN_2 , OA_S_IN_3 , OA_S_IN_4 , OA_S_IN_5 ,
OA_S_OUT	OA_S_OUT_1 , OA_S_OUT_2 , OA_S_OUT_3 , OA_S_OUT_4 ,
ONSITE	ONSITE_1 , ONSITE_2 , ONSITE_3 , ONSITE_4 , ONSITE_5 , ONSITE_6 ,
OUT_E	OUT_E_1 , OUT_E_2 ,
SH_IN_E	SH_IN_E_1 , SH_IN_E_2 , SH_IN_E_3 , SH_IN_E_4 ,
SH_IN_W	SH_IN_W_1 , SH_IN_W_2 , SH_IN_W_3 , SH_IN_W_4 ,
SH_OUT_E	SH_OUT_E_1 , SH_OUT_E_2 , SH_OUT_E_3 , SH_OUT_E_4 , SH_OUT_E_5 ,
SH_OUT_W	SH_OUT_W_1 , SH_OUT_W_2 , SH_OUT_W_3 , SH_OUT_W_4 , SH_OUT_W_5 , SH_OUT_W_6 ,
STCK1	STCK1 ,
STCK10	STCK10 ,
STCK2	STCK2 ,
STCK3	STCK3 ,
STCK4	STCK4 ,

*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
STCK5	STCK5 ,
STCK6	STCK6 ,
STCK7	STCK7 ,
STCK8	STCK8 ,
STCK9	STCK9 ,
PARCEL2	PARCEL2_1 , PARCEL2_2 , PARCEL2_3 , PARCEL2_4 ,

*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	2035210.	SH_IN_E_1 , SH_IN_E_2 , SH_IN_E_3 , SH_IN_E_4 , IN_E_1 , IN_E_2 , OUT_E_1 , OUT_E_2 ,
		SH_OUT_E_1 , SH_OUT_E_2 , SH_OUT_E_3 , SH_OUT_E_4 , SH_OUT_E_5 , SH_OUT_W_1 , SH_OUT_W_2 , SH_OUT_W_3 ,
		SH_OUT_W_4 , SH_OUT_W_5 , SH_OUT_W_6 , OA_N_IN_1 , OA_N_IN_2 , OA_N_OUT_1 , OA_N_OUT_2 , OA_S_OUT_1 ,
		OA_S_OUT_2 , OA_S_OUT_3 , OA_S_OUT_4 , OA_S_IN_1 , OA_S_IN_2 , OA_S_IN_3 , OA_S_IN_4 , OA_S_IN_5 ,
		ED_E_IN_1 , ED_E_IN_2 , ED_E_IN_3 , ED_E_IN_4 , ED_E_OUT_1 , ED_E_OUT_2 , ED_E_OUT_3 , ED_E_OUT_4 ,
		ED_E_OUT_5 , ED_W_OUT_1 , ED_W_OUT_2 , ED_W_OUT_3 , ED_W_OUT_4 , ED_W_OUT_5 , ED_W_IN_1 , ED_W_IN_2 ,
		ED_W_IN_3 , ED_W_IN_4 , ED_W_IN_5 , ED_W_IN_6 , ED_W_IN_7 , ED_W_IN_8 , STCK1 , STCK2 ,
		STCK3 , STCK4 , STCK5 , STCK6 , STCK7 , STCK8 , STCK9 , STCK10 ,
		SH_IN_W_1 , SH_IN_W_2 , SH_IN_W_3 , SH_IN_W_4 , ONSITE_1 , ONSITE_2 , ONSITE_3 , ONSITE_4 ,
		ONSITE_5 , ONSITE_6 , PARCEL2_1 , PARCEL2_2 , PARCEL2_3 , PARCEL2_4 ,

*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

1 1 1

*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\ChinoAirportADJU\KCNO_V9_ADJU\KCNO_v9.SFC Met Version: 16216
Profile file: ..\ChinoAirportADJU\KCNO_V9_ADJU\KCNO_v9.PFL
Surface format: FREE
Profile format: FREE
Surface station no.: 3179 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2012 Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
12	01	01	1	01	-2.3	0.067	-9.000	-9.000	-999.	41.	11.2	0.09	0.74	1.00	0.73	313.	7.9	279.2	2.0
12	01	01	1	02	-2.7	0.070	-9.000	-9.000	-999.	44.	11.3	0.09	0.74	1.00	0.80	342.	7.9	280.9	2.0
12	01	01	1	03	-5.6	0.098	-9.000	-9.000	-999.	73.	14.7	0.09	0.74	1.00	1.20	9.	7.9	281.4	2.0
12	01	01	1	04	-3.5	0.078	-9.000	-9.000	-999.	52.	11.9	0.09	0.74	1.00	0.94	21.	7.9	282.0	2.0
12	01	01	1	05	-8.4	0.119	-9.000	-9.000	-999.	99.	18.1	0.09	0.74	1.00	1.45	353.	7.9	279.9	2.0
12	01	01	1	06	-7.6	0.113	-9.000	-9.000	-999.	91.	17.0	0.09	0.74	1.00	1.38	325.	7.9	277.5	2.0
12	01	01	1	07	-8.0	0.117	-9.000	-9.000	-999.	96.	17.7	0.09	0.74	1.00	1.42	313.	7.9	281.4	2.0
12	01	01	1	08	-5.2	0.101	-9.000	-9.000	-999.	77.	17.5	0.09	0.74	0.53	1.23	19.	7.9	280.9	2.0
12	01	01	1	09	23.2	0.117	0.267	0.012	29.	97.	-6.2	0.09	0.74	0.31	0.96	318.	7.9	287.5	2.0
12	01	01	1	10	65.2	0.101	0.531	0.014	82.	77.	-1.4	0.09	0.74	0.24	0.63	244.	7.9	291.4	2.0
12	01	01	1	11	95.5	0.162	0.778	0.008	176.	156.	-4.0	0.09	0.74	0.21	1.23	91.	7.9	296.4	2.0
12	01	01	1	12	110.8	0.197	1.018	0.005	338.	209.	-6.1	0.09	0.74	0.20	1.60	90.	7.9	299.9	2.0
12	01	01	1	13	110.5	0.229	1.184	0.005	534.	262.	-9.6	0.09	0.74	0.20	1.98	92.	7.9	302.0	2.0
12	01	01	1	14	94.6	0.185	1.215	0.005	674.	191.	-5.9	0.09	0.74	0.21	1.50	73.	7.9	303.1	2.0
12	01	01	1	15	68.6	0.187	1.184	0.005	858.	194.	-8.4	0.09	0.74	0.25	1.59	64.	7.9	303.1	2.0
12	01	01	1	16	24.9	0.255	0.862	0.005	911.	308.	-58.8	0.09	0.74	0.34	2.61	92.	7.9	300.4	2.0
12	01	01	1	17	-13.7	0.168	-9.000	-9.000	-999.	168.	31.1	0.09	0.74	0.62	1.98	107.	7.9	295.4	2.0
12	01	01	1	18	-26.7	0.279	-9.000	-9.000	-999.	354.	85.6	0.09	0.74	1.00	3.22	134.	7.9	291.4	2.0
12	01	01	1	19	-8.0	0.118	-9.000	-9.000	-999.	120.	18.2	0.09	0.74	1.00	1.43	37.	7.9	290.4	2.0
12	01	01	1	20	-7.7	0.115	-9.000	-9.000	-999.	94.	17.6	0.09	0.74	1.00	1.40	49.	7.9	287.0	2.0
12	01	01	1	21	-9.7	0.130	-9.000	-9.000	-999.	113.	20.2	0.09	0.74	1.00	1.57	26.	7.9	288.8	2.0
12	01	01	1	22	-4.8	0.090	-9.000	-9.000	-999.	65.	13.6	0.09	0.74	1.00	1.11	56.	7.9	284.9	2.0
12	01	01	1	23	-11.5	0.141	-9.000	-9.000	-999.	127.	21.9	0.09	0.74	1.00	1.69	36.	7.9	282.0	2.0
12	01	01	1	24	-16.9	0.172	-9.000	-9.000	-999.	171.	32.4	0.09	0.74	1.00	2.03	33.	7.9	279.9	2.0

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	7.9	1	313.	0.73	279.3	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ED_E_IN	1ST HIGHEST VALUE IS	28.21349 AT	(438205.78, 3762102.43, 207.41, 207.41, 0.00)	DC	
	2ND HIGHEST VALUE IS	27.56270 AT	(438166.16, 3762103.35, 207.24, 207.24, 0.00)	DC	
	3RD HIGHEST VALUE IS	27.52109 AT	(438090.21, 3762101.16, 205.63, 205.63, 0.00)	DC	
	4TH HIGHEST VALUE IS	27.36158 AT	(437993.54, 3762101.08, 208.45, 208.45, 0.00)	DC	
	5TH HIGHEST VALUE IS	27.27661 AT	(438260.30, 3762101.59, 206.80, 206.80, 0.00)	DC	
	6TH HIGHEST VALUE IS	26.43771 AT	(438221.28, 3762103.91, 207.09, 207.09, 0.00)	DC	
	7TH HIGHEST VALUE IS	25.50398 AT	(438126.58, 3762104.34, 205.85, 205.85, 0.00)	DC	
	8TH HIGHEST VALUE IS	24.91223 AT	(438182.39, 3762106.55, 207.55, 207.55, 0.00)	DC	
	9TH HIGHEST VALUE IS	24.65947 AT	(438002.12, 3762104.64, 208.45, 208.45, 0.00)	DC	
	10TH HIGHEST VALUE IS	24.61504 AT	(438098.82, 3762104.73, 205.51, 205.51, 0.00)	DC	
ED_E_OUT	1ST HIGHEST VALUE IS	30.58921 AT	(438147.16, 3762044.77, 207.00, 207.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	27.68031 AT	(438138.59, 3762041.22, 207.00, 207.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	25.26773 AT	(438130.02, 3762037.66, 207.00, 207.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	24.71396 AT	(438179.38, 3762038.85, 206.02, 206.02, 0.00)	DC	
	5TH HIGHEST VALUE IS	23.71155 AT	(438274.43, 3762039.00, 206.79, 206.79, 0.00)	DC	
	6TH HIGHEST VALUE IS	23.23984 AT	(438121.46, 3762034.11, 207.00, 207.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	23.20684 AT	(438226.83, 3762037.80, 205.85, 205.85, 0.00)	DC	
	8TH HIGHEST VALUE IS	21.54278 AT	(438218.23, 3762034.23, 205.96, 205.96, 0.00)	DC	
	9TH HIGHEST VALUE IS	21.50487 AT	(438112.89, 3762030.56, 207.00, 207.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	21.46747 AT	(438136.03, 3762030.80, 207.00, 207.00, 0.00)	DC	
ED_W_IN	1ST HIGHEST VALUE IS	30.46482 AT	(436730.14, 3762054.73, 202.12, 202.12, 0.00)	DC	
	2ND HIGHEST VALUE IS	16.39877 AT	(437200.16, 3762085.81, 206.77, 206.77, 0.00)	DC	
	3RD HIGHEST VALUE IS	15.24383 AT	(437166.32, 3762088.83, 206.89, 206.89, 0.00)	DC	
	4TH HIGHEST VALUE IS	14.86028 AT	(437191.31, 3762089.53, 206.97, 206.97, 0.00)	DC	
	5TH HIGHEST VALUE IS	14.68482 AT	(436639.75, 3762029.72, 205.64, 205.64, 0.00)	DC	
	6TH HIGHEST VALUE IS	14.54871 AT	(436965.58, 3762092.52, 201.96, 209.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	14.48648 AT	(437289.19, 3762088.55, 207.63, 207.63, 0.00)	DC	
	8TH HIGHEST VALUE IS	14.31117 AT	(436993.91, 3762092.18, 201.46, 208.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	13.76927 AT	(437253.32, 3762092.55, 206.20, 206.20, 0.00)	DC	
	10TH HIGHEST VALUE IS	13.63175 AT	(437182.46, 3762093.25, 206.97, 206.97, 0.00)	DC	
ED_W_OUT	1ST HIGHEST VALUE IS	30.02194 AT	(437200.16, 3762085.81, 206.77, 206.77, 0.00)	DC	
	2ND HIGHEST VALUE IS	26.03295 AT	(437289.19, 3762088.55, 207.63, 207.63, 0.00)	DC	
	3RD HIGHEST VALUE IS	26.00068 AT	(437166.32, 3762088.83, 206.89, 206.89, 0.00)	DC	
	4TH HIGHEST VALUE IS	25.33288 AT	(437191.31, 3762089.53, 206.97, 206.97, 0.00)	DC	
	5TH HIGHEST VALUE IS	23.56049 AT	(437355.23, 3762090.06, 208.49, 208.49, 0.00)	DC	
	6TH HIGHEST VALUE IS	22.74651 AT	(437280.37, 3762092.25, 207.10, 207.10, 0.00)	DC	
	7TH HIGHEST VALUE IS	22.60246 AT	(437253.32, 3762092.55, 206.20, 206.20, 0.00)	DC	
	8TH HIGHEST VALUE IS	22.19301 AT	(436965.58, 3762092.52, 201.96, 209.00, 0.00)	DC	

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 9TH HIGHEST VALUE IS      21.93799 AT (  437182.46,  3762093.25,   206.97,   206.97,    0.00)  DC          □
10TH HIGHEST VALUE IS      21.60032 AT (  436993.91,  3762092.18,   201.46,   208.00,    0.00)  DC          □
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*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)				OF TYPE	NETWORK GRID-ID
IN_E	1ST HIGHEST VALUE IS	120.87762 AT	(437498.97,	3762893.46,	218.30,	218.30, 0.00)	DC	
	2ND HIGHEST VALUE IS	120.39213 AT	(437489.32,	3762893.48,	218.00,	218.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	120.30470 AT	(437508.62,	3762893.44,	218.62,	218.62, 0.00)	DC	
	4TH HIGHEST VALUE IS	119.76723 AT	(437479.67,	3762893.50,	218.00,	218.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	118.63891 AT	(437518.27,	3762893.42,	218.94,	218.94, 0.00)	DC	
	6TH HIGHEST VALUE IS	118.58709 AT	(437470.02,	3762893.52,	218.00,	218.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	116.92627 AT	(437460.37,	3762893.54,	218.00,	218.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	114.98297 AT	(437450.72,	3762893.56,	218.31,	218.31, 0.00)	DC	
	9TH HIGHEST VALUE IS	111.79694 AT	(437441.07,	3762893.58,	218.63,	218.63, 0.00)	DC	
	10TH HIGHEST VALUE IS	107.27500 AT	(437431.42,	3762893.60,	218.95,	218.95, 0.00)	DC	
OA_N_IN	1ST HIGHEST VALUE IS	107.13149 AT	(437586.04,	3762788.43,	212.54,	212.54, 0.00)	DC	
	2ND HIGHEST VALUE IS	106.77962 AT	(437586.03,	3762798.24,	212.48,	212.48, 0.00)	DC	
	3RD HIGHEST VALUE IS	106.65559 AT	(437586.05,	3762778.62,	212.60,	212.60, 0.00)	DC	
	4TH HIGHEST VALUE IS	105.99913 AT	(437586.00,	3762817.86,	212.66,	212.66, 0.00)	DC	
	5TH HIGHEST VALUE IS	105.66587 AT	(437586.01,	3762808.05,	212.41,	212.41, 0.00)	DC	
	6TH HIGHEST VALUE IS	104.61485 AT	(437586.07,	3762768.81,	212.60,	212.60, 0.00)	DC	
	7TH HIGHEST VALUE IS	100.75670 AT	(437586.08,	3762759.00,	212.59,	212.59, 0.00)	DC	
	8TH HIGHEST VALUE IS	93.51451 AT	(437586.10,	3762749.19,	212.57,	212.57, 0.00)	DC	
	9TH HIGHEST VALUE IS	81.16111 AT	(437596.04,	3762788.44,	211.78,	211.78, 0.00)	DC	
	10TH HIGHEST VALUE IS	80.89220 AT	(437596.05,	3762778.63,	211.93,	211.93, 0.00)	DC	
OA_N_OUT	1ST HIGHEST VALUE IS	137.91871 AT	(437586.00,	3762817.86,	212.66,	212.66, 0.00)	DC	
	2ND HIGHEST VALUE IS	137.62450 AT	(437586.04,	3762788.43,	212.54,	212.54, 0.00)	DC	
	3RD HIGHEST VALUE IS	137.53363 AT	(437586.03,	3762798.24,	212.48,	212.48, 0.00)	DC	
	4TH HIGHEST VALUE IS	136.97548 AT	(437586.05,	3762778.62,	212.60,	212.60, 0.00)	DC	
	5TH HIGHEST VALUE IS	136.62109 AT	(437586.01,	3762808.05,	212.41,	212.41, 0.00)	DC	
	6TH HIGHEST VALUE IS	134.88688 AT	(437586.07,	3762768.81,	212.60,	212.60, 0.00)	DC	
	7TH HIGHEST VALUE IS	131.74381 AT	(437586.08,	3762759.00,	212.59,	212.59, 0.00)	DC	
	8TH HIGHEST VALUE IS	126.91724 AT	(437586.10,	3762749.19,	212.57,	212.57, 0.00)	DC	
	9TH HIGHEST VALUE IS	115.48216 AT	(437586.11,	3762739.38,	212.31,	212.31, 0.00)	DC	
	10TH HIGHEST VALUE IS	99.90623 AT	(437596.05,	3762778.63,	211.93,	211.93, 0.00)	DC	
OA_S_IN	1ST HIGHEST VALUE IS	47.86408 AT	(437581.58,	3762310.28,	209.12,	209.12, 0.00)	DC	
	2ND HIGHEST VALUE IS	47.80494 AT	(437581.92,	3762280.42,	207.43,	207.43, 0.00)	DC	
	3RD HIGHEST VALUE IS	45.75531 AT	(437581.59,	3762430.28,	211.00,	211.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	45.54666 AT	(437581.58,	3762370.28,	210.00,	210.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	45.22170 AT	(437581.96,	3762450.43,	211.00,	211.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	43.96799 AT	(437582.06,	3762400.48,	210.35,	210.35, 0.00)	DC	
	7TH HIGHEST VALUE IS	42.89888 AT	(437581.98,	3762340.45,	211.04,	211.04, 0.00)	DC	
	8TH HIGHEST VALUE IS	39.08688 AT	(437581.61,	3762670.28,	212.04,	212.04, 0.00)	DC	

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 9TH HIGHEST VALUE IS      37.45928 AT (  437590.53,  3762283.99,   207.98,   207.98,    0.00)  DC
10TH HIGHEST VALUE IS      36.67049 AT (  437590.07,  3762313.80,   209.90,   209.90,    0.00)  DC
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*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
OA_S_OUT	1ST HIGHEST VALUE IS	43.21598 AT	(437581.58,	3762310.28,	209.12,	209.12,	0.00)	DC	
	2ND HIGHEST VALUE IS	43.13863 AT	(437581.58,	3762370.28,	210.00,	210.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	42.61667 AT	(437581.98,	3762340.45,	211.04,	211.04,	0.00)	DC	
	4TH HIGHEST VALUE IS	41.97953 AT	(437582.06,	3762400.48,	210.35,	210.35,	0.00)	DC	
	5TH HIGHEST VALUE IS	41.52035 AT	(437581.59,	3762430.28,	211.00,	211.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	41.21816 AT	(437581.92,	3762280.42,	207.43,	207.43,	0.00)	DC	
	7TH HIGHEST VALUE IS	40.69537 AT	(437581.96,	3762450.43,	211.00,	211.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	35.30679 AT	(437590.07,	3762313.80,	209.90,	209.90,	0.00)	DC	
	9TH HIGHEST VALUE IS	34.69272 AT	(437590.08,	3762373.80,	210.00,	210.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	34.13608 AT	(437590.60,	3762344.02,	211.19,	211.19,	0.00)	DC	
ONSITE	1ST HIGHEST VALUE IS	87.62959 AT	(437462.23,	3762709.73,	214.05,	214.05,	0.00)	DC	
	2ND HIGHEST VALUE IS	87.62151 AT	(437471.62,	3762709.73,	214.25,	214.25,	0.00)	DC	
	3RD HIGHEST VALUE IS	87.22393 AT	(437452.84,	3762709.73,	213.92,	213.92,	0.00)	DC	
	4TH HIGHEST VALUE IS	87.21606 AT	(437481.01,	3762709.73,	214.46,	214.46,	0.00)	DC	
	5TH HIGHEST VALUE IS	86.44355 AT	(437490.40,	3762709.73,	214.66,	214.66,	0.00)	DC	
	6TH HIGHEST VALUE IS	85.72674 AT	(437499.79,	3762709.73,	214.66,	214.66,	0.00)	DC	
	7TH HIGHEST VALUE IS	84.56430 AT	(437509.18,	3762709.72,	214.66,	214.66,	0.00)	DC	
	8TH HIGHEST VALUE IS	82.85869 AT	(437518.58,	3762709.72,	214.66,	214.66,	0.00)	DC	
	9TH HIGHEST VALUE IS	80.71670 AT	(437527.97,	3762709.72,	214.39,	214.39,	0.00)	DC	
	10TH HIGHEST VALUE IS	76.87454 AT	(437537.36,	3762709.72,	214.08,	214.08,	0.00)	DC	
OUT_E	1ST HIGHEST VALUE IS	95.68584 AT	(437498.97,	3762893.46,	218.30,	218.30,	0.00)	DC	
	2ND HIGHEST VALUE IS	95.67841 AT	(437489.32,	3762893.48,	218.00,	218.00,	0.00)	DC	
	3RD HIGHEST VALUE IS	94.93708 AT	(437508.62,	3762893.44,	218.62,	218.62,	0.00)	DC	
	4TH HIGHEST VALUE IS	94.86639 AT	(437479.67,	3762893.50,	218.00,	218.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	93.55650 AT	(437470.02,	3762893.52,	218.00,	218.00,	0.00)	DC	
	6TH HIGHEST VALUE IS	93.32604 AT	(437518.27,	3762893.42,	218.94,	218.94,	0.00)	DC	
	7TH HIGHEST VALUE IS	91.72319 AT	(437460.37,	3762893.54,	218.00,	218.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	88.97909 AT	(437450.72,	3762893.56,	218.31,	218.31,	0.00)	DC	
	9TH HIGHEST VALUE IS	85.29234 AT	(437441.07,	3762893.58,	218.63,	218.63,	0.00)	DC	
	10TH HIGHEST VALUE IS	80.52799 AT	(437431.42,	3762893.60,	218.95,	218.95,	0.00)	DC	
SH_IN_E	1ST HIGHEST VALUE IS	28.03296 AT	(437904.97,	3762893.75,	218.55,	218.55,	0.00)	DC	
	2ND HIGHEST VALUE IS	27.41219 AT	(437874.88,	3762894.01,	218.37,	218.37,	0.00)	DC	
	3RD HIGHEST VALUE IS	27.28032 AT	(438424.60,	3762895.74,	219.15,	219.15,	0.00)	DC	
	4TH HIGHEST VALUE IS	26.89278 AT	(438464.73,	3762895.37,	220.42,	220.42,	0.00)	DC	
	5TH HIGHEST VALUE IS	26.67250 AT	(437844.77,	3762894.33,	218.31,	218.31,	0.00)	DC	
	6TH HIGHEST VALUE IS	26.39962 AT	(437934.57,	3762895.10,	219.36,	219.36,	0.00)	DC	
	7TH HIGHEST VALUE IS	26.02088 AT	(438504.65,	3762895.68,	220.86,	220.86,	0.00)	DC	
	8TH HIGHEST VALUE IS	25.13065 AT	(437744.77,	3762894.19,	217.71,	217.71,	0.00)	DC	

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 9TH HIGHEST VALUE IS      24.96364 AT (  437764.60,  3762894.78,   217.95,   217.95,    0.00)  DC
10TH HIGHEST VALUE IS      24.39438 AT (  438544.58,  3762895.98,   221.60,   221.60,    0.00)  DC
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*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
SH_IN_W	1ST HIGHEST VALUE IS	29.89596	436603.80,	3762854.04,	212.40,	212.40,	0.00)	DC	
	2ND HIGHEST VALUE IS	29.00939	436523.80,	3762854.04,	212.03,	212.03,	0.00)	DC	
	3RD HIGHEST VALUE IS	28.85835	436643.80,	3762854.04,	214.10,	216.00,	0.00)	DC	
	4TH HIGHEST VALUE IS	27.94297	436483.80,	3762854.04,	212.98,	212.98,	0.00)	DC	
	5TH HIGHEST VALUE IS	27.59683	436683.80,	3762854.04,	214.75,	214.75,	0.00)	DC	
	6TH HIGHEST VALUE IS	26.02464	436443.80,	3762854.04,	213.06,	213.06,	0.00)	DC	
	7TH HIGHEST VALUE IS	25.32709	436723.80,	3762854.04,	212.79,	212.79,	0.00)	DC	
	8TH HIGHEST VALUE IS	24.54313	436763.80,	3762854.04,	212.42,	212.42,	0.00)	DC	
	9TH HIGHEST VALUE IS	24.18256	436793.80,	3762854.04,	212.11,	212.11,	0.00)	DC	
	10TH HIGHEST VALUE IS	21.92725	437003.80,	3762844.35,	216.00,	216.00,	0.00)	DC	
SH_OUT_E	1ST HIGHEST VALUE IS	31.02566	438395.94,	3762858.27,	219.00,	219.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	30.38662	438435.94,	3762858.33,	219.32,	219.32,	0.00)	DC	
	3RD HIGHEST VALUE IS	29.76867	438475.94,	3762858.39,	219.28,	219.28,	0.00)	DC	
	4TH HIGHEST VALUE IS	28.96809	438515.94,	3762858.45,	219.31,	219.31,	0.00)	DC	
	5TH HIGHEST VALUE IS	27.66197	438555.94,	3762858.51,	219.62,	219.62,	0.00)	DC	
	6TH HIGHEST VALUE IS	22.27450	438395.95,	3762848.46,	219.00,	219.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	21.90952	438435.95,	3762848.52,	219.15,	219.15,	0.00)	DC	
	8TH HIGHEST VALUE IS	21.48362	438475.95,	3762848.58,	218.67,	218.67,	0.00)	DC	
	9TH HIGHEST VALUE IS	21.31233	437945.95,	3762847.81,	217.05,	217.05,	0.00)	DC	
	10TH HIGHEST VALUE IS	21.26236	437915.95,	3762847.76,	217.00,	217.00,	0.00)	DC	
SH_OUT_W	1ST HIGHEST VALUE IS	24.34792	437098.10,	3762898.21,	217.17,	220.00,	0.00)	DC	
	2ND HIGHEST VALUE IS	24.23020	436958.31,	3762898.72,	215.70,	215.70,	0.00)	DC	
	3RD HIGHEST VALUE IS	24.10958	437197.89,	3762897.72,	217.42,	217.42,	0.00)	DC	
	4TH HIGHEST VALUE IS	24.07588	436838.55,	3762899.30,	214.52,	214.52,	0.00)	DC	
	5TH HIGHEST VALUE IS	23.63741	436868.41,	3762898.96,	216.45,	216.45,	0.00)	DC	
	6TH HIGHEST VALUE IS	23.61421	437078.48,	3762899.13,	217.02,	217.02,	0.00)	DC	
	7TH HIGHEST VALUE IS	23.52979	437118.34,	3762898.79,	218.32,	218.32,	0.00)	DC	
	8TH HIGHEST VALUE IS	23.33215	436928.48,	3762899.13,	216.65,	216.65,	0.00)	DC	
	9TH HIGHEST VALUE IS	22.82830	436898.26,	3762898.59,	217.55,	217.55,	0.00)	DC	
	10TH HIGHEST VALUE IS	22.29401	437218.26,	3762898.59,	216.11,	216.11,	0.00)	DC	
STCK1	1ST HIGHEST VALUE IS	245.38879	437353.80,	3762737.69,	216.13,	216.13,	0.00)	DC	
	2ND HIGHEST VALUE IS	241.89805	437353.80,	3762728.00,	215.81,	215.81,	0.00)	DC	
	3RD HIGHEST VALUE IS	228.67794	437353.80,	3762747.39,	216.45,	216.45,	0.00)	DC	
	4TH HIGHEST VALUE IS	218.75436	437353.80,	3762718.30,	215.54,	215.54,	0.00)	DC	
	5TH HIGHEST VALUE IS	199.75628	437353.80,	3762757.09,	216.65,	216.65,	0.00)	DC	
	6TH HIGHEST VALUE IS	184.90372	437353.80,	3762708.61,	215.54,	215.54,	0.00)	DC	
	7TH HIGHEST VALUE IS	184.68417	437343.80,	3762737.69,	216.46,	216.46,	0.00)	DC	
	8TH HIGHEST VALUE IS	183.34528	437343.80,	3762728.00,	216.14,	216.14,	0.00)	DC	

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 9TH HIGHEST VALUE IS     173.63510 AT (  437343.80,  3762747.39,   216.79,   216.79,    0.00)  DC
10TH HIGHEST VALUE IS     170.27695 AT (  437343.80,  3762718.30,   215.87,   215.87,    0.00)  DC
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*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
STCK10	1ST HIGHEST VALUE IS	422.81417 AT	(437452.84,	3762699.73,	213.84,	213.84,	0.00)	DC	
	2ND HIGHEST VALUE IS	395.77688 AT	(437452.84,	3762689.73,	213.76,	213.76,	0.00)	DC	
	3RD HIGHEST VALUE IS	369.16407 AT	(437452.84,	3762709.73,	213.92,	213.92,	0.00)	DC	
	4TH HIGHEST VALUE IS	331.65257 AT	(437462.23,	3762699.73,	214.02,	214.02,	0.00)	DC	
	5TH HIGHEST VALUE IS	317.63288 AT	(437452.84,	3762679.73,	213.84,	213.84,	0.00)	DC	
	6TH HIGHEST VALUE IS	312.13177 AT	(437462.23,	3762689.73,	214.00,	214.00,	0.00)	DC	
	7TH HIGHEST VALUE IS	304.63083 AT	(437462.23,	3762709.73,	214.05,	214.05,	0.00)	DC	
	8TH HIGHEST VALUE IS	292.32451 AT	(437413.73,	3762664.76,	213.84,	213.84,	0.00)	DC	
	9TH HIGHEST VALUE IS	284.76347 AT	(437403.84,	3762664.80,	213.84,	213.84,	0.00)	DC	
	10TH HIGHEST VALUE IS	282.55046 AT	(437423.62,	3762664.73,	213.84,	213.84,	0.00)	DC	
STCK2	1ST HIGHEST VALUE IS	192.07320 AT	(437353.80,	3762737.69,	216.13,	216.13,	0.00)	DC	
	2ND HIGHEST VALUE IS	190.32482 AT	(437353.80,	3762728.00,	215.81,	215.81,	0.00)	DC	
	3RD HIGHEST VALUE IS	180.42648 AT	(437353.80,	3762747.39,	216.45,	216.45,	0.00)	DC	
	4TH HIGHEST VALUE IS	176.09823 AT	(437353.80,	3762718.30,	215.54,	215.54,	0.00)	DC	
	5TH HIGHEST VALUE IS	160.24945 AT	(437353.80,	3762757.09,	216.65,	216.65,	0.00)	DC	
	6TH HIGHEST VALUE IS	157.37380 AT	(437383.98,	3762690.76,	214.07,	214.07,	0.00)	DC	
	7TH HIGHEST VALUE IS	154.24608 AT	(437353.80,	3762708.61,	215.54,	215.54,	0.00)	DC	
	8TH HIGHEST VALUE IS	145.88839 AT	(437452.84,	3762709.73,	213.92,	213.92,	0.00)	DC	
	9TH HIGHEST VALUE IS	145.21023 AT	(437343.80,	3762728.00,	216.14,	216.14,	0.00)	DC	
	10TH HIGHEST VALUE IS	145.13472 AT	(437343.80,	3762737.69,	216.46,	216.46,	0.00)	DC	
STCK3	1ST HIGHEST VALUE IS	166.12364 AT	(437452.84,	3762709.73,	213.92,	213.92,	0.00)	DC	
	2ND HIGHEST VALUE IS	152.10347 AT	(437353.80,	3762728.00,	215.81,	215.81,	0.00)	DC	
	3RD HIGHEST VALUE IS	152.04449 AT	(437353.80,	3762737.69,	216.13,	216.13,	0.00)	DC	
	4TH HIGHEST VALUE IS	149.95186 AT	(437383.98,	3762690.76,	214.07,	214.07,	0.00)	DC	
	5TH HIGHEST VALUE IS	145.16722 AT	(437462.23,	3762709.73,	214.05,	214.05,	0.00)	DC	
	6TH HIGHEST VALUE IS	143.88938 AT	(437353.80,	3762718.30,	215.54,	215.54,	0.00)	DC	
	7TH HIGHEST VALUE IS	143.51416 AT	(437353.80,	3762747.39,	216.45,	216.45,	0.00)	DC	
	8TH HIGHEST VALUE IS	132.00493 AT	(437452.84,	3762699.73,	213.84,	213.84,	0.00)	DC	
	9TH HIGHEST VALUE IS	129.82720 AT	(437353.80,	3762708.61,	215.54,	215.54,	0.00)	DC	
	10TH HIGHEST VALUE IS	129.60470 AT	(437353.80,	3762757.09,	216.65,	216.65,	0.00)	DC	
STCK4	1ST HIGHEST VALUE IS	188.09026 AT	(437452.84,	3762709.73,	213.92,	213.92,	0.00)	DC	
	2ND HIGHEST VALUE IS	166.99456 AT	(437462.23,	3762709.73,	214.05,	214.05,	0.00)	DC	
	3RD HIGHEST VALUE IS	146.55246 AT	(437471.62,	3762709.73,	214.25,	214.25,	0.00)	DC	
	4TH HIGHEST VALUE IS	146.49287 AT	(437452.84,	3762699.73,	213.84,	213.84,	0.00)	DC	
	5TH HIGHEST VALUE IS	134.74422 AT	(437383.98,	3762690.76,	214.07,	214.07,	0.00)	DC	
	6TH HIGHEST VALUE IS	132.43454 AT	(437462.23,	3762699.73,	214.02,	214.02,	0.00)	DC	
	7TH HIGHEST VALUE IS	127.83477 AT	(437481.01,	3762709.73,	214.46,	214.46,	0.00)	DC	
	8TH HIGHEST VALUE IS	119.93341 AT	(437353.80,	3762728.00,	215.81,	215.81,	0.00)	DC	

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 9TH HIGHEST VALUE IS     119.54265 AT (  437353.80,  3762737.69,   216.13,   216.13,    0.00)  DC
10TH HIGHEST VALUE IS     118.84164 AT (  437471.62,  3762699.73,   214.13,   214.13,    0.00)  DC
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*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC		RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
STCK5	1ST HIGHEST VALUE IS	204.24385	AT (	437452.84,	3762709.73,	213.92,	213.92,	0.00)	DC	
	2ND HIGHEST VALUE IS	184.08219	AT (	437462.23,	3762709.73,	214.05,	214.05,	0.00)	DC	
	3RD HIGHEST VALUE IS	164.15107	AT (	437471.62,	3762709.73,	214.25,	214.25,	0.00)	DC	
	4TH HIGHEST VALUE IS	158.43863	AT (	437452.84,	3762699.73,	213.84,	213.84,	0.00)	DC	
	5TH HIGHEST VALUE IS	144.62811	AT (	437481.01,	3762709.73,	214.46,	214.46,	0.00)	DC	
	6TH HIGHEST VALUE IS	144.19089	AT (	437462.23,	3762699.73,	214.02,	214.02,	0.00)	DC	
	7TH HIGHEST VALUE IS	130.04224	AT (	437471.62,	3762699.73,	214.13,	214.13,	0.00)	DC	
	8TH HIGHEST VALUE IS	126.16950	AT (	437490.40,	3762709.73,	214.66,	214.66,	0.00)	DC	
	9TH HIGHEST VALUE IS	125.35356	AT (	437452.84,	3762689.73,	213.76,	213.76,	0.00)	DC	
	10TH HIGHEST VALUE IS	119.14256	AT (	437383.98,	3762690.76,	214.07,	214.07,	0.00)	DC	
STCK6	1ST HIGHEST VALUE IS	220.59256	AT (	437452.84,	3762709.73,	213.92,	213.92,	0.00)	DC	
	2ND HIGHEST VALUE IS	202.02377	AT (	437462.23,	3762709.73,	214.05,	214.05,	0.00)	DC	
	3RD HIGHEST VALUE IS	182.79800	AT (	437471.62,	3762709.73,	214.25,	214.25,	0.00)	DC	
	4TH HIGHEST VALUE IS	171.59328	AT (	437452.84,	3762699.73,	213.84,	213.84,	0.00)	DC	
	5TH HIGHEST VALUE IS	162.84113	AT (	437481.01,	3762709.73,	214.46,	214.46,	0.00)	DC	
	6TH HIGHEST VALUE IS	157.44817	AT (	437462.23,	3762699.73,	214.02,	214.02,	0.00)	DC	
	7TH HIGHEST VALUE IS	143.46193	AT (	437490.40,	3762709.73,	214.66,	214.66,	0.00)	DC	
	8TH HIGHEST VALUE IS	142.74197	AT (	437471.62,	3762699.73,	214.13,	214.13,	0.00)	DC	
	9TH HIGHEST VALUE IS	134.68166	AT (	437452.84,	3762689.73,	213.76,	213.76,	0.00)	DC	
	10TH HIGHEST VALUE IS	128.69656	AT (	437481.01,	3762699.73,	214.23,	214.23,	0.00)	DC	
STCK7	1ST HIGHEST VALUE IS	303.12292	AT (	437452.84,	3762709.73,	213.92,	213.92,	0.00)	DC	
	2ND HIGHEST VALUE IS	279.75625	AT (	437383.98,	3762690.76,	214.07,	214.07,	0.00)	DC	
	3RD HIGHEST VALUE IS	254.33575	AT (	437452.84,	3762699.73,	213.84,	213.84,	0.00)	DC	
	4TH HIGHEST VALUE IS	241.05567	AT (	437462.23,	3762709.73,	214.05,	214.05,	0.00)	DC	
	5TH HIGHEST VALUE IS	208.63115	AT (	437462.23,	3762699.73,	214.02,	214.02,	0.00)	DC	
	6TH HIGHEST VALUE IS	202.52760	AT (	437452.84,	3762689.73,	213.76,	213.76,	0.00)	DC	
	7TH HIGHEST VALUE IS	196.66428	AT (	437373.98,	3762682.80,	214.77,	214.77,	0.00)	DC	
	8TH HIGHEST VALUE IS	195.68547	AT (	437383.98,	3762674.84,	214.30,	214.30,	0.00)	DC	
	9TH HIGHEST VALUE IS	194.29342	AT (	437471.62,	3762709.73,	214.25,	214.25,	0.00)	DC	
	10TH HIGHEST VALUE IS	172.67419	AT (	437471.62,	3762699.73,	214.13,	214.13,	0.00)	DC	
STCK8	1ST HIGHEST VALUE IS	360.51280	AT (	437452.84,	3762709.73,	213.92,	213.92,	0.00)	DC	
	2ND HIGHEST VALUE IS	294.52536	AT (	437452.84,	3762699.73,	213.84,	213.84,	0.00)	DC	
	3RD HIGHEST VALUE IS	284.94211	AT (	437462.23,	3762709.73,	214.05,	214.05,	0.00)	DC	
	4TH HIGHEST VALUE IS	250.70401	AT (	437383.98,	3762690.76,	214.07,	214.07,	0.00)	DC	
	5TH HIGHEST VALUE IS	241.61295	AT (	437462.23,	3762699.73,	214.02,	214.02,	0.00)	DC	
	6TH HIGHEST VALUE IS	227.98002	AT (	437452.84,	3762689.73,	213.76,	213.76,	0.00)	DC	
	7TH HIGHEST VALUE IS	226.84435	AT (	437471.62,	3762709.73,	214.25,	214.25,	0.00)	DC	
	8TH HIGHEST VALUE IS	198.61964	AT (	437471.62,	3762699.73,	214.13,	214.13,	0.00)	DC	

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 9TH HIGHEST VALUE IS     194.26737 AT (  437462.23,  3762689.73,   214.00,   214.00,    0.00)  DC
10TH HIGHEST VALUE IS     183.63100 AT (  437481.01,  3762709.73,   214.46,   214.46,    0.00)  DC
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*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID		AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)					OF TYPE	NETWORK GRID-ID
STCK9	1ST HIGHEST VALUE IS	351.11188 AT	(437452.84,	3762699.73,	213.84,	213.84,	0.00)	DC	
	2ND HIGHEST VALUE IS	328.65605 AT	(437452.84,	3762689.73,	213.76,	213.76,	0.00)	DC	
	3RD HIGHEST VALUE IS	321.31994 AT	(437452.84,	3762709.73,	213.92,	213.92,	0.00)	DC	
	4TH HIGHEST VALUE IS	294.91539 AT	(437383.98,	3762690.76,	214.07,	214.07,	0.00)	DC	
	5TH HIGHEST VALUE IS	289.61557 AT	(437403.84,	3762664.80,	213.84,	213.84,	0.00)	DC	
	6TH HIGHEST VALUE IS	283.60397 AT	(437413.73,	3762664.76,	213.84,	213.84,	0.00)	DC	
	7TH HIGHEST VALUE IS	281.08066 AT	(437383.98,	3762674.84,	214.30,	214.30,	0.00)	DC	
	8TH HIGHEST VALUE IS	275.42660 AT	(437462.23,	3762699.73,	214.02,	214.02,	0.00)	DC	
	9TH HIGHEST VALUE IS	273.49021 AT	(437393.94,	3762664.84,	214.07,	214.07,	0.00)	DC	
	10TH HIGHEST VALUE IS	272.03342 AT	(437452.84,	3762679.73,	213.84,	213.84,	0.00)	DC	
PARCEL2	1ST HIGHEST VALUE IS	49.57364 AT	(437586.00,	3762817.86,	212.66,	212.66,	0.00)	DC	
	2ND HIGHEST VALUE IS	39.64872 AT	(437596.00,	3762817.87,	211.66,	211.66,	0.00)	DC	
	3RD HIGHEST VALUE IS	39.56377 AT	(437586.01,	3762808.05,	212.41,	212.41,	0.00)	DC	
	4TH HIGHEST VALUE IS	39.41988 AT	(437489.32,	3762893.48,	218.00,	218.00,	0.00)	DC	
	5TH HIGHEST VALUE IS	39.34248 AT	(437498.97,	3762893.46,	218.30,	218.30,	0.00)	DC	
	6TH HIGHEST VALUE IS	38.65016 AT	(437508.62,	3762893.44,	218.62,	218.62,	0.00)	DC	
	7TH HIGHEST VALUE IS	38.54194 AT	(437479.67,	3762893.50,	218.00,	218.00,	0.00)	DC	
	8TH HIGHEST VALUE IS	37.61344 AT	(437518.27,	3762893.42,	218.94,	218.94,	0.00)	DC	
	9TH HIGHEST VALUE IS	37.21974 AT	(437605.98,	3762827.69,	210.99,	216.00,	0.00)	DC	
	10TH HIGHEST VALUE IS	36.80888 AT	(437470.02,	3762893.52,	218.00,	218.00,	0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ED_E_IN	HIGH 1ST HIGH VALUE IS 139.23625	ON 13041207:	AT (438205.78, 3762102.43, 207.41, 207.41, 0.00)	DC	
ED_E_OUT	HIGH 1ST HIGH VALUE IS 120.45749	ON 12100607:	AT (438147.16, 3762044.77, 207.00, 207.00, 0.00)	DC	
ED_W_IN	HIGH 1ST HIGH VALUE IS 117.90167	ON 12122516:	AT (436730.14, 3762054.73, 202.12, 202.12, 0.00)	DC	
ED_W_OUT	HIGH 1ST HIGH VALUE IS 134.57326	ON 13041207:	AT (437200.16, 3762085.81, 206.77, 206.77, 0.00)	DC	
IN_E	HIGH 1ST HIGH VALUE IS 673.08669	ON 13041207:	AT (437508.62, 3762893.44, 218.62, 218.62, 0.00)	DC	
OA_N_IN	HIGH 1ST HIGH VALUE IS 482.14228	ON 13041207:	AT (437586.00, 3762817.86, 212.66, 212.66, 0.00)	DC	
OA_N_OUT	HIGH 1ST HIGH VALUE IS 583.34347	ON 13041207:	AT (437586.00, 3762817.86, 212.66, 212.66, 0.00)	DC	
OA_S_IN	HIGH 1ST HIGH VALUE IS 173.93997	ON 16072506:	AT (437581.58, 3762310.28, 209.12, 209.12, 0.00)	DC	
OA_S_OUT	HIGH 1ST HIGH VALUE IS 156.86299	ON 16072506:	AT (437581.58, 3762310.28, 209.12, 209.12, 0.00)	DC	
ONSITE	HIGH 1ST HIGH VALUE IS 372.12501	ON 12122516:	AT (437546.75, 3762709.72, 213.77, 213.77, 0.00)	DC	
OUT_E	HIGH 1ST HIGH VALUE IS 556.12718	ON 13041207:	AT (437508.62, 3762893.44, 218.62, 218.62, 0.00)	DC	
SH_IN_E	HIGH 1ST HIGH VALUE IS 131.09251	ON 13041207:	AT (437904.97, 3762893.75, 218.55, 218.55, 0.00)	DC	
SH_IN_W	HIGH 1ST HIGH VALUE IS 110.74640	ON 12122516:	AT (436603.80, 3762854.04, 212.40, 212.40, 0.00)	DC	
SH_OUT_E	HIGH 1ST HIGH VALUE IS 120.27033	ON 12122516:	AT (438395.94, 3762858.27, 219.00, 219.00, 0.00)	DC	
SH_OUT_W	HIGH 1ST HIGH VALUE IS 119.73659	ON 13041207:	AT (437373.51, 3762893.72, 218.02, 218.02, 0.00)	DC	
STCK1	HIGH 1ST HIGH VALUE IS 1372.27248	ON 15092803:	AT (437353.80, 3762747.39, 216.45, 216.45, 0.00)	DC	
STCK10	HIGH 1ST HIGH VALUE IS 1523.60452	ON 14100307:	AT (437413.73, 3762664.76, 213.84, 213.84, 0.00)	DC	
STCK2	HIGH 1ST HIGH VALUE IS 1222.06016	ON 15092803:	AT (437353.80, 3762747.39, 216.45, 216.45, 0.00)	DC	
STCK3	HIGH 1ST HIGH VALUE IS 1050.89246	ON 15092803:	AT (437353.80, 3762747.39, 216.45, 216.45, 0.00)	DC	
STCK4	HIGH 1ST HIGH VALUE IS 894.27198	ON 15062822:	AT (437452.84, 3762709.73, 213.92, 213.92, 0.00)	DC	
STCK5	HIGH 1ST HIGH VALUE IS 1004.73501	ON 15081621:	AT (437452.84, 3762709.73, 213.92, 213.92, 0.00)	DC	

STCK6 HIGH 1ST HIGH VALUE IS 1103.80586 ON 16070906: AT (437452.84, 3762709.73, 213.92, 213.92, 0.00) DC

STCK7 HIGH 1ST HIGH VALUE IS 1473.84390 ON 15101207: AT (437383.98, 3762690.76, 214.07, 214.07, 0.00) DC

STCK8 HIGH 1ST HIGH VALUE IS 1301.07915 ON 16101919: AT (437383.98, 3762690.76, 214.07, 214.07, 0.00) DC

STCK9 HIGH 1ST HIGH VALUE IS 1526.65134 ON 15060806: AT (437403.84, 3762664.80, 213.84, 213.84, 0.00) DC

*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
PARCEL2	1ST HIGH VALUE IS 557.31162	ON 12122516:	AT (437586.00, 3762817.86, 212.66, 212.66, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

--------- Summary of Total Messages --------

A Total of 0 Fatal Error Message(s)
A Total of 2 Warning Message(s)
A Total of 1279 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 917 Calm Hours Identified

A Total of 362 Missing Hours Identified (0.83 Percent)

******** FATAL ERROR MESSAGES ********
*** NONE ***

******** WARNING MESSAGES ********
ME W186 487 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 487 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

****
*** AERMOD Finishes Successfully ***
****

HARP2 - HRACalc (dated 22118) 4/8/2025 3:24:25 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_CancerRisk_30yr_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_CancerRisk_30yr_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_CancerRisk_30yr_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_CancerRisk_30yr_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_CancerRisk_30yr_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_CancerRisk_30yr_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 4/8/2025 3:18:52 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 25

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 25

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_Worker _CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_Worker _CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_Worker _NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_Worker _NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_Worker _NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_Worker _NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP2 - HRACalc (dated 22118) 4/8/2025 3:29:32 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 9

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 7
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS
Tier2 not used.

****

Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_School_9yr_CancerRisk.csv
Cancer risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_School_9yr_CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_School_9yr_NCChronicRisk.csv
Chronic risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_School_9yr_NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_School_9yr_NCAcuteRisk.csv
Acute risk total by receptor saved to: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP\hra\Op_School_9yr_NCAcuteRiskSumByRec.csv
HRA ran successfully

HARP Project Summary Report 4/8/2025 3:33:28 PM

PROJECT INFORMATION
HARP Version: 22118
Project Name: HARP_OP
Project Output Directory: D:\LSA\2025\20241860 - Revised 04062025\HARP_OP
HARP Database: NA

POLLUTANT HEALTH INFORMATION
Health Database: D:\HARP2\Tables\HEALTH17320.mdb
Health Table Version: HEALTH22013
Official: True

PolID	PolAbbrev	InhCancer	OralCancer	AcuteREL	InhChronicREL	OralChronicREL	InhChronic8HRREL
75070	Acetaldehyde	0.01		470	140		300
107028	Acrolein			2.5	0.35		0.7
71432	Benzene	0.1		27	3		3
106990	1,3-Butadiene	0.6		660	2		9
100414	Ethyl Benzene	0.0087			2000		
50000	Formaldehyde	0.021		55	9		9
110543	Hexane				7000		
67561	Methanol			28000	4000		
78933	MEK			13000			
91203	Naphthalene	0.12			9		
115071	Propylene				3000		
100425	Styrene			21000	900		
108883	Toluene			5000	420		830
1330207	Xylenes			22000	700		
9901	DieselExhPM	1.1			5		